JIPMER
ANNUAL REPORT

2014-2015

Jawaharlal Institute of Postgraduate Medical Education & Research
Puducherry – 605 006.
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Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER)

Jawaharlal Institute of Postgraduate Medical Education and Research originated as École de Médecine de Pondichéry established by the French Government in the year 1823. This medical school was converted into Dhanvantari Medical College at the time of de facto transfer of Pondicherry to Government of India. This Medical College was later upgraded into Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER). JIPMER was declared an Institution of National Importance by an Act of Parliament on 14th July 2008.

JIPMER is well known for its undergraduate and postgraduate medical courses and its alumni have excelled in different disciplines all over the world. JIPMER runs a popular MBBS course. Postgraduate programs (MD/MS) are offered in 24 disciplines. Super Speciality programs (DM/MCh) are conducted in 16 disciplines. There are PhD programs in 6 disciplines and Fellowship courses in 4 disciplines. JIPMER also conducts other courses including MSc (Medical Biochemistry), BSc (MLT), BSc Allied Medical Sciences courses, MSc MLT (Microbiology), MSc Cytopathology, MSc Medical Physiology and Master of Public Health (MPH). College of Nursing conducts BSc Nursing and MSc Nursing programs.

JIPMER conducts a nationally acclaimed ten day National Course on Educational Science for Teachers of Health Professionals. This is the only ten day residential course on Educational Science for Teachers of Health Professionals organized in India. JIPMER has been conducting this course twice a year without interruption since the year 1976. JIPMER has been undertaking research in various pre-clinical, para-clinical and clinical disciplines. The JIPMER Scientific Advisory Committee and Institute Ethics Committees (Human Studies and Animal Studies) closely monitor all the research activities.

There are forty five academic departments and one academic division which directly or indirectly take part in rendering high quality medical care to patients and most of the patients treated at JIPMER belong to low socioeconomic group. In addition to main Hospital, Super Speciality Block, Regional Cancer Centre and Women and Children Hospital provide state of the art medical care in different areas largely to poor patients from in and around Puducherry.

As part of its extension programmes, JIPMER has been involved in running its Rural Health Centre at Ramanathapuram and Urban Health Centre at Kurusukuppam in Puducherry and outreach Centre in Karaikal region of Puducherry.
CONTENTS

Executive Summary By Director............................................................................................................. 9
The Institute Body and its Committees................................................................................................. 13
General Administration.......................................................................................................................... 19
Developmental Projects ......................................................................................................................... 21
Academic Section .................................................................................................................................. 33
Examination Wing Office of The Dean, JIPMER..................................................................................... 60
Division of Research, JIPMER................................................................................................................ 73
JIPMER Scientific Advisory Committee (JSAC).................................................................................... 78
JIPMER Scientific Advisory Sub-Committee (JSASC) ......................................................................... 82
Institute Ethics Committee (Human Studies) ....................................................................................... 85
JIPMER Institutional Animal Ethics Committee (JIAEC).................................................................... 89
JIPMER Undergraduate Research Monitoring Committee (UGRMC).................................................. 91
Postgraduate Research Monitoring Committee (PGRMC).................................................................. 94
Ph.D / Doctoral Research Monitoring Committee............................................................................... 96
Institutional Bio-Safety Committee (IBSC)........................................................................................... 99
Institutional Committee for Stem Cell Research (IC-SCR)................................................................. 102
The Sponsored Clinical Trial Research Committee......................................................................... 104
Hospital Wing, JIPMER....................................................................................................................... 105
JIPMER Urban Health Centre - Vazhaikulam ..................................................................................... 120
JIPMER Rural Health Center - Ramanathapuram .............................................................................. 124
Out Reach Centre, Karaikal ................................................................................................................. 128
JIPMER Quality Council .................................................................................................................... 130

Jawaharlal Institute of Postgraduate Medical Education and Research
Department of Anesthesiology & Critical Care .......................................................... 131
Department of Anatomy ......................................................................................... 144
Department of Biochemistry .................................................................................. 159
Department of Cardiology ...................................................................................... 185
Department of Cardiothoracic & Vascular Surgery ................................................. 195
Department of Clinical Hematology ....................................................................... 204
Department of Clinical Immunology ....................................................................... 207
Department of Clinical Pharmacology ...................................................................... 216
Department of Dentistry ......................................................................................... 223
Department of Dermatology & STD ........................................................................ 228
Department of Emergency Medicine and Trauma ................................................... 242
Department of Endocrinology .................................................................................. 248
Department of ENT ................................................................................................ 252
Department of Forensic Medicine and Toxicology .................................................. 260
Department of Medical Biometrics & Informatics (Biostatistics) ......................... 266
Department of Medical Education ......................................................................... 271
Department of Medical Gastroenterology ............................................................... 283
Department of Medical Oncology .......................................................................... 287
Department of Medicine ......................................................................................... 295
Department of Microbiology ................................................................................... 310
Department of Neonatology .................................................................................... 338
Department of Nephrology ...................................................................................... 346
Department of Neurology ......................................................................................... 355
Department of Neurosurgery ................................................................................... 365
Department of Nuclear Medicine ............................................................................ 375
Department of Obstetrics & Gynaecology ................................................................. 380
Department of Ophthalmology ............................................................................... 393
Department of Orthopaedics
Department of Pediatric Surgery
Department of Pediatrics
Department of Pathology
Department of Pharmacology
Department of Physical Medicine and Rehabilitation
Department of Physiology
Department of Plastic Surgery
Department of Preventive and Social Medicine
Department of Psychiatry
Department of Pulmonary Medicine
Department of Radio-Diagnosis
Department of Radiotherapy
Department of Surgery
Department of Surgical Gastroenterology
Department of Surgical Oncology
Department of Transfusion Medicine
Department of Urology
College of Nursing
Advanced Centre for Yoga Therapy Education and Research (ACYTER)
Biomedical Waste Management
JIPMER Departmental Canteen
Central Animal House
Central Library
Central Sterile Supplies Department (CSSD)
Central Stores
Central Workshop
Department of Dietetics ................................................................. 657
Engineering Division ................................................................. 662
Hindi Cell and Official Language Implementation ..................... 664
Department of Horticulture .......................................................... 669
Hostels ............................................................................................. 672
JIPMER Healthy Lifestyle Center ..................................................... 682
JIPMER Information Technology Services (JITS) ......................... 685
Linen and Laundry ......................................................................... 691
Medical Illustration Division (MID) ................................................. 694
Medico-Social Services Wing ......................................................... 696
Medical Records Department (MRD) ............................................... 698
Nursing Section ............................................................................. 705
Department of Pharmacy ............................................................... 707
Printing and Stationery ................................................................ 714
Report on the Benefit for the Persons with Disabilities ................ 715
Sanitary Unit .................................................................................. 716
Security ............................................................................................ 719
Telehealth Programme JIPMER (Telemedicine Services) .......... 720
Disciplinary Cell & Court Cases Cell ............................................ 727
Vigilance Cell ................................................................................ 728
Finance Wing .................................................................................. 729
EXECUTIVE SUMMARY BY DIRECTOR

It gives me immense pleasure to report the summary of the activities undertaken by JIPMER in the preceding year.

JIPMER has emerged as one among the top best five medical institutes in the country and is poised to become the global giant in health sector. JIPMER is unique in providing best health care facilities of all broad specialties and super specialties free of cost to the community. It caters to the need of all strata of the society, from the poorest of the poor to the most affordable one. JIPMER is the number one center in the country in medical education and training and has been recognized by MCI as the center of excellence in medical education. We also wish to make JIPMER the top most institutes in medical research.

JIPMER has celebrated Golden Jubilee last year and is well equipped to march to the pinnacle of its glory. The highlight of this yearlong Golden Jubilee Celebrations was the visit by Honorable President of India as Chief Guest on September 26th, 2014. He delivered the Golden Jubilee address and released Golden Jubilee Souvenir. Minister of Health & Family Welfare, Government of India presided over the function. Other dignitaries in attendance included Lt. Governor and Chief Minister of UT Puducherry and Secretary, Minister of Health & Family Welfare.

The Golden Jubilee celebrations of this Institute commenced on January of this year with an international conference on Regional Anaesthesia, workshop on Scientific writing and the inauguration of JIPMER as WHO Collaborating Centre for Training and Research in Pharmaceutical Policy, essential medicines & rational use of medicines. This was followed by an International Summit on Emergency Medicine & Trauma (ISEMT) and the launch of Apex/Trauma/Emergency Disaster Management Centre at JIPMER in February. A 10 day Workshop on Education Technology for Health professionals was organized by the Dept of Medical Education. The 6th Indo-French Radial Intervention course was organized by the Dept of Cardiology in May 2014 followed by a National Conference on Research Methodology for Medical students and workshop on Communication skills. In July the Foundation day of the 14th July 2014 was celebrated in a grand manner with a Marathon focusing on Eradication of TB, Scientific program by our Alumni, visit of Public Health Expert Team from the University of Michigan. The cultural program of the students - an All India Intercollegiate sport, literary & Debating & Fine Arts called SPANDAN was held in August. JIPMER held a Medical Mela (camp), Medical Exhibition and Public & Community interaction programmes to complete the yearlong celebrations up to Dec 2014.

A) Academic Highlights

JIPMER is committed to provide high quality medical care to all sections of society; it conducts undergraduate, postgraduate, super specialty and Ph.D. courses in various disciplines to train competent, caring and ethical medical professionals.

The 5th Convocation 2014 was held on 26.04.2014 (Saturday). The Chief Guest was His Excellency Shri. Bharat Suresh Joshi, British Deputy High Commissioner. Degrees awarded include Ph.D – 06, M.Ch – 08, D.M. – 08, M.D. – 80, M.S. – 36, MBBS – 86, M.Sc. – 12, B.Sc. (Nursing) – 75, B.Sc. (AMS) – 41. Endowment Prizes were awarded for UG – 38, Para Medical Courses – 03, Post Graduates 20.
Master of Public Health (MPH) course was started under the aegis of JIPMER International school of Public Health in January 2014 with annual intake of 30 trainees. The focus of the MPH programme is to strengthen the health systems of the country by providing high quality trained manpower in health management.

We invested Rs. 2.5 crores in our library last year, including addition of journals & 1409 new books, to add to our collection of 41,650 books in the central library & 6556 in the book bank. Our library has recently completed set up of second Computer lab with Wi Fi connectivity and additional journals at the cost of Rs.1.25 crores. The total budget allocation for 2013-14 is Rs. 4 crores for print/online journals and Rs.1 crore for books.

B) Research Highlights

While as of April 2012, we had Rs.1.75 crores of external research funding, the total value of peer reviewed research grants funded and approved for funding currently is in excess of Rs.20 crores – a phenomenal increase and unprecedented in JIPMER’s history! This includes funding from overseas to the tune of $1.65 million. The funding agencies include ICMR, DBT, DST, INSERM, Indo-US Research Programme, World Diabetic Foundation among many others. The projects receiving funding in excess of Rs.1 crore each include: Grade I ICMR virology network laboratory, establishment of center for Surveillance of Antibiotic resistance, Diabetes research and Biomarkers of drug resistant TB. In order to maintain this trajectory for enhancing extramural funding, we intend to at least double our intramural grants to above Rs. 2 crores in the coming year and set up an office of grants & contracts under Dean for Research. In order to bring in a central resource for basic and translational research, a new Multi-disciplinary Advanced Researched Centre (MARC) will be built during the coming year.

C) Achievements in Patient Care

Our average outpatient & emergency room attendance exceeds 6000 patients per day, and the total annual OPD attendance is 1,08,000 more compared to the prior year. We admit over 70,000 patients and perform over 39 lakhs investigations annually. About 36,000 operations are performed annually, an increase of 1200 operations over the previous year.

JIPMER established a Comprehensive Breast Care Center. The departments of Surgery, Surgical Oncology, Medical Oncology and Radiation Oncology have all been involved in providing a rational treatment for women breast cancer. In order to make this care comprehensive, these specialties will work along with experts from plastic and reconstructive Surgery and support staff such as a patient navigator, a genetic counselor and a physiotherapist, all in one location. This much awaited facility at JIPMER has had an impetus towards its establishment by a generous donation received from the JIPMER alumni Batch of 1970.

Our Telemedicine Programme is growing rapidly during the last year; JIPMER is the nodal site for Medical College network for South India under National Knowledge Network. Ministry of Health & family Welfare (MoHFW), Government of India designated Telemedicine Centre of JIPMER, Puducherry as Regional Resource Centre (RRC) & Mentor Institution for Medical Colleges of South India (Andhra Pradesh, Karnataka, Kerala, Tamil Nadu & Pondicherry) under National Medical College Network (NMCN) Project of MOHFW. JIPMER Telemedicine received BMJ Award in 2014 for its Telemedicine activities. On 19th March 2015, to support JIPMER financially & upgrade existing Telemedicine Services a MOU was signed by Director JIPMER with MoHFW, Govt. of India. With this support from MoHFW, JIPMER will be able to upgrade its Tele-Education and Tele-Patient care services.
D) Initiatives for Population Health

JIPMER is always keen on health education to the patients and the general public. Medico-Social Services Wing is continuously organizing health education sessions on various areas. JIPMER initiated holistic health care workshops for the chronic illness patients. The workshops were conducted for cancer, diabetes, hypertension patients and their caregivers. A team of multidisciplinary health care professionals including physicians, psychologists, medical social workers, dieticians, physiotherapists, occupational therapists, yoga therapists were deputed for this purpose.

JIPMER organised a Well Women Workshop for women employees of JIPMER on 21st August 2014 under JIPMER Staff Wellness Programme. More than 300 women employees of JIPMER participated in this workshop in which the Breast Cancer education pamphlets and Self Breast Examination Teaching CDs was released.

JIPMER deputed a group of doctors from the Departments of Preventive & Social Medicine and Microbiology to assist with the medical team embarked in the flood relief measures at Jammu & Kashmir.

E) Campus

1. Community Hall – A new & improved facility is opened, after completion of renovations in JIPMER campus. This will be used for various family functions & community activities. The facility is among the least expensive in all of India! This is part of JIPMER staff well-being amenities.

2. JIPMER is also unveiling “Student Cafeteria Expansion’ – to enable additional outdoor umbrella seating with a beautiful garden ambience. The area is Wi-Fi enabled.

3. JIPMER Auxiliary – This will provide complimentary & supportive services for patients, families & other public, seeking help & care at JIPMER. Setting up information booths, helping with directions, providing guidance in navigating the patient care areas and assisting with various types of needs such as movement between buildings etc.

4. Every year, the bustling JIPMER campus opens its gates to students from all across the country to experience its annual fest. This 7 day extravaganza called Spandan, is the biggest medical college fest in South India. With a footfall of over 7000 last year, Spandan is a calendar event in the diary of every college student in India.

F) Future Priority areas

1. Establishment of JIPMER-2 at Karaikal
2. Development of an innovative and forward looking undergraduate curriculum
3. Infrastructure development for JIPMER International School of Public Heath
4. NABH/ NABL Accreditation of Laboratory services
5. To expand Organ Transplant Programme
6. Up-gradation of various specialties and super specialties
7. Development of signage system, parking facilities and security services

The following infrastructure and project works have been considered under JIPMER Phase IV expansion.

1. Construction of Public Utility Medical Mart with a cost of INR 2.31 crores
2. Establishment of Wellness centre including modern swimming pool (INR 5.95 Crores)
3. Establishment of Drug Testing laboratory (INR 15.02 crores)
4. Establishment of Pneumatic Tube Conveyer System (INR 9.00 crores)
5. Establishment of Multi-disciplinary Endoscopy Laboratory (INR 9.83 crores)
6. Establishment of Information Technology Wing (INR 9.35 crores)
7. Up-gradation of Trauma centre and Burns Unit (INR 50 crore)
8. Establishment of Centre for Health Profession Education (INR 35 crores)
9. Setting up of Institute of Allied Health Sciences including Pharmacology (INR 55 crores)
10. Modernization and expansion of Administrative Block (INR 20 crores)
11. Multi-Level Parking Facility (INR 10 crores)

It’s my distinct privilege to submit this annual report focusing our goal to attain better health care services for all sections of the community. It’s my pleasure to say that JIPMER continues to be the leader in comprehensive health care in the region for the poor and the underprivileged.

Dr. Subhash Chandra Parija
Director, JIPMER.
# THE INSTITUTE BODY AND ITS COMMITTEES

## INSTITUTE BODY

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<tr>
<th>S.No.</th>
<th>Name &amp; Designation</th>
<th>Role</th>
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<tr>
<td>1</td>
<td>Dr. M K Bhan, President, JIPMER</td>
<td>Chairman</td>
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<td>2</td>
<td>Shri. P. Kannan, MP (RS)</td>
<td>Member</td>
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<td>3</td>
<td>Dr. K. Kamaraj, M.P. (LS),</td>
<td>Member</td>
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<td>4</td>
<td>Shri. P. Radhakrishnan, M.P. (LS),</td>
<td>Member</td>
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<td>5</td>
<td>Shri Lov Verma, I.A.S, Secretary to the Government of India</td>
<td>Member</td>
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<td>(Till 31-01-2015)</td>
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<td>6</td>
<td>Shri. Bhanu Pradap Sharma, I.A.S, Secretary to the Government of India</td>
<td>Member</td>
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<td>(From 01-02-2015)</td>
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<td>7</td>
<td>Prof Mrs Chandra Krishnamurthy, Vice-Chancellor, Pondicherry University</td>
<td>Member</td>
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<td>8</td>
<td>Prof. D. Shantharam, Vice-Chancellor, Tamil Nadu Dr. M.G.R Medical University, Chennai</td>
<td>Member</td>
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<td>9</td>
<td>Dr. Jagdish Prasad, Director General of Health Services, Govt. of India</td>
<td>Member</td>
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<td>10</td>
<td>Shri. Chetan B. Sanghi, I.A.S., Chief Secretary, Government of Puducherry</td>
<td>Member</td>
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<td>11</td>
<td>Shri Gautam Guha, IA&amp;AS, Additional Secretary &amp; Financial Adviser Ministry of Health &amp; Family Welfare.</td>
<td>Member</td>
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<td>12</td>
<td>Secretary to the Govt. of India or his nominee, (not below the rank of Joint Secretary), Department of Higher Education Ministry of Human Resource Development. Ashok Thakur Secretary</td>
<td>Member</td>
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<td>13</td>
<td>Dr. T. S. Ravikumar, Director, JIPMER</td>
<td>Member Secretary</td>
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<td>(Till 11-03-2015) F.N</td>
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<td>14</td>
<td>Dr. S. C. Parija, Director, JIPMER</td>
<td>Member Secretary</td>
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<td>(From 11-03-2015) A.N</td>
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<tr>
<td>15</td>
<td>Prof Ramakrishna Ramaswamy, Vice-Chancellor, University of Hyderabad.</td>
<td>Member</td>
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<tr>
<td>16</td>
<td>Dr. V. Mohan, Chairman &amp; Chief of Diabetology, Dr. Mohan’s Diabetes Specialties Centre.</td>
<td>Member</td>
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### GOVERNING BODY

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<th>S.No.</th>
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<tr>
<td>1</td>
<td>Dr. M.K. Bhan, President, JIPMER.</td>
<td>Chairman</td>
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<tr>
<td>2</td>
<td>Shri. Lov Verma, I.A.S. Secretary to the GOI, Ministry of Health &amp; Family Welfare.</td>
<td>Member (Till 31-01-2015)</td>
</tr>
<tr>
<td>3</td>
<td>Shri. Bhanu Pradap Sharma, I.A.S, Secretary to the GOI, Ministry of Health &amp; Family Welfare.</td>
<td>Member (From 01-02-2015)</td>
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<td>4</td>
<td>Dr. Jagdish Prasad, Director General of Health Services, GOI.</td>
<td>Member</td>
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<td>5</td>
<td>Secretary or his Nominee (not below the rank of Joint Secretary) in the Department of Expenditure Ministry of Finance</td>
<td>Member</td>
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<td>6</td>
<td>Shri. Chetan B. Sanghi, IAS, Chief Secretary, Govt. of Puducherry.</td>
<td>Member</td>
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<td>7</td>
<td>Dr. S. Mahadevan, Dean, JIPMER</td>
<td>Member</td>
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<td>8</td>
<td>Prof. Ramakrishna Ramaswamy, Vice-Chancellor, University of Hyderabad, Andhra Pradesh.</td>
<td>Member</td>
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<td>9</td>
<td>Prof. (Dr.) Faizan Mustafa, Vice-Chancellor, NALSAR, University of Law, Hyderabad.</td>
<td>Member</td>
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<td>10</td>
<td>Dr. Santa Singh, Principal Medical College, NEIGRIHMS, Shillong.</td>
<td>Member</td>
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17. Shri S.M. Mehendale, Scientist Director, National Institute of Epidemiology, (ICMR) - Member

18. Smt. Neela Gangadharan, IAS (Rtd), Former Secretary to Government of India, Ministry of Women & Child Development - Member

19. Dr. Raman Kataria, Jan Swasthya Sahyog, Chhattisgarh - Member

20. Prof. (Dr) Faizan Mustafa, Vice-Chancellor, NALSAR University of Law, Hyderabad - Member

21. Prof. (Dr.) K.L.N., Rao, Professor & Head (Paediatric Surgery), PGIMER - Member

22. Dr. Santa Singh, Principal Medical College, NEIGRIHMS, Shillong. - Member

23. Dr. K.H. Kenchappa, MBBS, MS, Orthopaedic Surgeon, Bangalore - Member

24. Prof. (Dr.) K. Ponraj, Prof of Neurosurgery, Goa Medical College, Goa - Member
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<tr>
<td>11</td>
<td>Dr. Renuka Srinivasan, Prof. (Senior-Scale) and HOD of Ophthalmology, JIPMER.</td>
<td>Member (Till 06-12-2014)</td>
</tr>
<tr>
<td>12</td>
<td>Dr. T.K. Dutta, Prof. (Senior-Scale) Prof. of Medicine</td>
<td>Member (From 22-01-2015)</td>
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<td>13</td>
<td>Dr. C. Adithan, Prof. (Senior-Scale) and Head of Clinical Pharmacology</td>
<td>Member (Till 17-05-2015)</td>
</tr>
<tr>
<td>14</td>
<td>Dr. Vishnu Bhat, Prof (Senior –Scale) &amp; Head of Pediatrics</td>
<td>Member (From 22-08-2015)</td>
</tr>
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<td>15</td>
<td>Dr. A. Rajasekaran, Emeritus Chair, National Board of Medical Examinations.</td>
<td>Member</td>
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<tr>
<td>16</td>
<td>Dr. T.S. Ravikumar, Director, JIPMER</td>
<td>Member-Secretary</td>
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**STANDING FINANCE COMMITTEE**

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<td>7</td>
<td>Smt. Neela Gangadharan, IAS (Rtd), BENGALURU 560102</td>
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### HOSPITAL AFFAIRS COMMITTEE

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<td>Hon’ble MP, (LS)</td>
<td>Member</td>
</tr>
<tr>
<td>3</td>
<td>Smt. Neela Gangadharan, IAS (Rtd), Former Secretary to Government of India, Ministry of Women &amp; Child Development.</td>
<td>Member</td>
</tr>
<tr>
<td>4</td>
<td>Prof. (Dr.) K.L.N., Rao, Professor &amp; Head (Paediatric Surgery) PGIMER,</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Santa Singh, Principal Medical College, NEIGRIHMS, Shillong.</td>
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<tr>
<td>7</td>
<td>Prof.(Dr.) K. Ponnraj, Prof of Neurosurgery, Goa Medical College.</td>
<td>Member</td>
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<tr>
<td>8</td>
<td>Dr. Balachander, Medical Superintendent, JIPMER</td>
<td>Member</td>
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<tr>
<td>9</td>
<td>Prof. A.K. Gupta, Medical Superintendent, PGIMER, Chandigarh</td>
<td>Member</td>
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<tr>
<td>10</td>
<td>Dr. T.S. Ravikumar, Director, JIPMER</td>
<td>Member Secretary (Till 11-03-2015) F.N</td>
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<tr>
<td>11</td>
<td>Dr. Subhash Chandra Parija, Director, JIPMER</td>
<td>Member Secretary (From 11-03-2015) A.N</td>
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</tbody>
</table>

### STANDING SELECTION COMMITTEE

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name &amp; Designation</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Prof. D. Shantharam, Vice-Chancellor, Tamil Nadu Dr. M.G.R Medical University, Chennai</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Jagdish Prasad, Director General of Health Services, Govt. of India</td>
<td>Member</td>
</tr>
<tr>
<td>3</td>
<td>Dr. V. Mohan, Chairman &amp; Chief of Diabetology, Dr. Mohan’s Diabetes Specialties Centre, Chennai</td>
<td>Member</td>
</tr>
<tr>
<td>4</td>
<td>Dr. S. M. Mehendale, Scientist Director, National Institute of Epidemiology, (ICMR), Chennai.</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Smt. Neela Gangadharan, IAS (Rtd), Former Secretary to Government of India, Ministry of Women &amp; Child Dev.</td>
<td>Member</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Raman Kataria, Jan Swasthya Sahyog, Chhattisgarh</td>
<td>Member</td>
</tr>
<tr>
<td>S.No.</td>
<td>Name &amp; Designation</td>
<td>Position</td>
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<td>Member</td>
</tr>
<tr>
<td>9</td>
<td>Dr. J.S.N. Murthy, Vice-Chancellor Sri Ramachandra Medical College, Chennai.</td>
<td>Member</td>
</tr>
<tr>
<td>10</td>
<td>Prof (Dr.) M.S. Ramachandran, (Former Professor &amp; HOD, Department of Medicine, Madras Medical College),</td>
<td>Member</td>
</tr>
<tr>
<td>11</td>
<td>Prof. Nikhil Tandon, Endocrinologist, AIIMS, New Delhi.</td>
<td>Member</td>
</tr>
<tr>
<td>12</td>
<td>Dr. T.S. Ravikumar, Director, JIPMER</td>
<td>Member Secretary (Till 11-03-2015) F.N</td>
</tr>
<tr>
<td>13</td>
<td>Dr. Subhash Chandra Parija, Director, JIPMER</td>
<td>Member Secretary (From 11-03-2015) A.N</td>
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**STANDING ESTATE COMMITTEE**

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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Prof Mrs Chandra Krishnamurthy, Vice-Chancellor, Pondicherry University</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Prof (Dr) Faizan Mustafa, Vice-Chancellor, NALSAR University of Law, Hyderabad</td>
<td>Member</td>
</tr>
<tr>
<td>3</td>
<td>Hon’ble MP (LS)</td>
<td>Member</td>
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<tr>
<td>4</td>
<td>Shri. Chetan B. Sanghi, I.A.S., Chief Secretary Government of Puducherry</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Prof Ramakrishna Ramaswamy, J.N. University, New Delhi</td>
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<td>7</td>
<td>Prof. (Dr.) K. Ponraj, Prof of Neurosurgery, Goa Medical College. Bambolim, Goa – 403 202</td>
<td>Member</td>
</tr>
<tr>
<td>8</td>
<td>Dr. S. Badrinath, Project Consultant, JIPMER</td>
<td>Member</td>
</tr>
<tr>
<td>9</td>
<td>Prof. D. Viswanathan, (Former Vice-Chancellor, Anna University), Chennai.</td>
<td>Member</td>
</tr>
<tr>
<td>10</td>
<td>Dr. T.S. Ravikumar, Director, JIPMER</td>
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<td>Dr. Subhash Chandra Parija, Director, JIPMER</td>
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# STANDING ACADEMIC COMMITTEE

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<tbody>
<tr>
<td>1</td>
<td>Prof Ramakrishna Ramaswamy, Professor, Jawaharlal Nehru University, New Delhi</td>
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</tr>
<tr>
<td>2</td>
<td>Shri Kannan, Rajya Sabha, Hon’ble MP (R.S) Pondicherry</td>
<td>Member</td>
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<tr>
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<td>Member</td>
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<tr>
<td>9</td>
<td>Dr. S. Mahadevan, Dean (Academic), JIPMER</td>
<td>Member</td>
</tr>
<tr>
<td>10</td>
<td>Dr. V. I. Mathan, Ex Director, CMC, Vellore.</td>
<td>Member</td>
</tr>
<tr>
<td>11</td>
<td>Dr. V. Ravi, Registrar, NIMHANS, Bangalore.</td>
<td>Member</td>
</tr>
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<td>Dr. T. S. Ravikumar, Director, JIPMER</td>
<td>Member Secretary</td>
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<td>(Till 11-03-2015) F.N</td>
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<tr>
<td>13</td>
<td>Dr. Subhash Chandra Parija, Director, JIPMERv</td>
<td>Member Secretary</td>
</tr>
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<td></td>
<td>(From 11-03-2015) A.N</td>
</tr>
</tbody>
</table>
GENERAL ADMINISTRATION

FACULTY (ADMINISTRATION)* : Dr. R.P. Swaminathan, Prof & Head Dept. of Medicine

DY.DIRECTOR (ADMINISTRATION) : (Vacant)

*DD (A) (SR. ADMIN. OFFICER) : J. Sankar

SENIOR ADMINISTRATIVE OFFICER : (R. Sathyaranayanan) [upto 7.3.2015]

*Administrative Officers : C.B. Unnikrishnan, S. Kottor Swamy

*In accordance with the powers conferred on the Director as CEO of the Institute by Section 26(3) of the Regulations of JIPMER Act, 2008, ad-hoc arrangements were made to entrust the job of overseeing the administration, especially recruitment processes to one of the senior faculties and the faculty assigned this job is designated as Faculty (Administration). Since the post of Deputy Director (Administration) in the higher Pay Band created by the Ministry during 2013 is yet to be filled up, the existing status quo of one post of Sr. Admin. Officer being operated as Deputy Director (Admn.) is being continued and he has been given the charge of Head of Office. Out of 4 posts of Administrative Officers, two are created in the next higher PB & GP. These two posts have to be filled up for which steps are being taken.

The Institute has three major administrative wings namely, “General Administration & Finance”, “Academic, Teaching & Research” and “Hospital & Patient Care”.

The General Administration consists of Four Administrative Sections, Disciplinary and Court Cases Cell, General and Estate Sections. All the matters relating to the Administration, including creation of posts, recruitments, promotions, arranging meetings of Statutory committees, estate management, arrangement of vehicles, security, matters related to discipline and employees welfare are coming under the purview of the General Administration.

Administration Section –I is bifurcated into Admn. I (Recruitment Cell) and Admn. I (Promotion Cell) These Cells deal with creation of posts, recruitment, promotions ( including APS), financial upgradations (MACP, DACP), Leave Salary / Pension Contribution / APARs/ Policy matters of all categories of staff members & Appointment of Contract employees, formulation of draft Recruitment Rules, their amendments & notifications.

Admin – II Section deals with permissions for Conferences, permission for studies, issue of orders of delegation of powers, transfers of charge, Study leave, Acquiring and disposal of property, NOC for Passport for all categories, foreign visits & Pension related matters. It also includes the Pension Cell which takes care of pension, family pension and gratuity of all superannuation and VRS cases.
Admin –III (A) Section deals with sanction of leave, maintenance of Service Books and personal file entries, Pay fixation and Increments to all categories of staff members up to and including Grade Pay of Rs. 4600.

Admin –III (B) Section deals with sanction of leave, maintenance of Service Books and personal file entries, Pay fixation and Increments to all categories of Faculty and staff members whose Grade Pay is above Rs. 4600.

The Disciplinary & Court Cases Cell deals with court matters, disciplinary proceedings and undertakes Inquiries and Vigilance cases.

The Estate Section undertakes the responsibility of the buildings and estates of Institute including construction and maintenance (Civil & Electrical works) of all the buildings and roads as well as all project works.

The General Section is in charge of the arrangement of vehicles and all miscellaneous works.

### Incumbency position

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Category</th>
<th>Sanctioned Strength</th>
<th>Existing Strength</th>
<th>No. of Vacant Posts</th>
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<tr>
<td>01</td>
<td>Faculty</td>
<td>361</td>
<td>288</td>
<td>73</td>
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<tr>
<td>02</td>
<td>Group ‘A’</td>
<td>145</td>
<td>118</td>
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<tr>
<td>03</td>
<td>Group ‘B’</td>
<td>1727</td>
<td>1555</td>
<td>172</td>
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<tr>
<td>04</td>
<td>Group ‘C’</td>
<td>1744</td>
<td>1286</td>
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<td>Total</td>
<td>3977</td>
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<tr>
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<th>Existing Strength</th>
<th>No. of Vacant Posts</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Senior Resident</td>
<td>375</td>
<td>272</td>
<td>103</td>
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<tr>
<td>2</td>
<td>Junior Resident (NPG)</td>
<td>93</td>
<td>69</td>
<td>24</td>
</tr>
<tr>
<td>3</td>
<td>Junior Resident (PG) [ Upto January Session of 2015]</td>
<td>118</td>
<td>110</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>586</td>
<td>451</td>
<td>135</td>
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### Major achievements:

06 Additional Professors & 17 Assistant Professors were recruited during the year 2014-15. The cases of 14 Assistant Professors and 1 Additional Professor were also considered and cleared for promotion under ACPS Scheme. Further, the recruitment to the remaining posts of Professor and Assistant Professor is in process. Recruitment to Residents is being conducted on regular basis as and when sufficient vacancies are available.

96 more Staff Nurses were recruited and 186 Multi-Tasking Staff were recruited during 2014-15.

Recruitment to fill up the various posts in Group B & C categories (25 categories) was over during the year 2014-15.

In accordance with the latest guidelines received from Government of India, a number of cases were considered for grant of promotions to the employees in various categories, by conducting DPC meetings as per schedule. Screening Committee meetings were also held to consider the cases of the employees for financial upgradation under MACP Scheme.
DEVELOPMENTAL PROJECTS

JIPMER PHASE III works:


1. a) Modernization Of Old Hospital & Institute Buildings, b) Expansion Of Super Specialty Block, c) Screening OPD With Geriatric & Dental Units

The meeting of the EFC on (i) Modernization of JIPMER hospital (ii) Expansion of Super-specialty block with provision for private & semi-private wards and (iii) Establishment of screening OPD including Geriatric Block & MRD block, was held on Wednesday 29th February 2012 at NirmanBhawan at 2.30 PM under the Chairmanship of the Secretary (H&FW).

After detailed deliberations the EFC approved the proposal for modernization of existing hospital, expansion of Super-specialty Block, Screening OPD with MRD and Geriatric Block proposed at a tentative non-recurring cost of Rs.227.98 Crores.

The LOA (Letter of Acceptance) was issued to the lowest bidder M/s L&T for Rs 237.68 crores on 15.10.13. The work started on 29.10.2013.

a) Modernization:

Construction & Services - Rs 54.83 crore
Medical equipment & Furniture - Rs 16.51 crore

The hospital and institute buildings which were constructed/completed between 1964 and 1972 do not conform to the current hospital standards though they still house the main department of medicine, surgery etc. The present general condition of the hospital is not satisfactory in that the roof in many places are leaking, electrical wiring and service lines are old needing heavy repairs. Floors in toilets and common areas are to be re-laid; windows, doors, lifts are to be repaired/replaced. The wiring done in 1964 requires to be redone particularly when a number of equipment for various departments under up-gradation are under installation as the existing wiring may not be able to take the additional load and cause damage to the equipment.

The buildings constructed some 40 to 50 years ago do not have auto fire alarm system & sprinklers which now, are statutory requirements. These are to be provided now as per NBC Standards.
The old electrical wiring needs replacement. Also the additional load requirements of new equipment and services will need re-engineering of the entire LT distribution system, DBs etc. The scope includes procurement and installation of the new system.

Further, the wards have to conform to the standards of regulatory authorities and the medical furniture like cots etc. are to be replaced. The scope of work will extend mainly to the following works in the Old Hospital & Institute buildings:

- Rewiring of electrical system (concealed) & providing additional points, fitting/CCTV/Nurses’ calling system etc.
- Auto fire detection & Alarm system and sprinklers (statutory requirement)
- Internal sanitary & water supply arrangements,
- Re-plastering damaged wall surfaces & interior and exterior painting.
- Water proof treatment of entire roof.
- Renovation of all the toilets in institute, hospital, OPD, library etc
- Replacements of doors windows including MS grills.
- Vitrified tiled re flooring in selected corridor rooms etc.
- Re polishing of terrazzo tiled flooring inside the rooms wherever required.
- Providing false ceiling in the corridors.
- Providing extra storage space / cup boards wherever necessary
- Renovation of the OTs (2 nos.) & Renovation of 4 labs (internal work)
- Conversion of ward 47 into ICU.
- Replacement of medical & office furniture
- Split AC units in HOD rooms.

**Present status :**

The contractor M/s L&T has started the works and the works are under progress.

1.b) Expansion of Super Specialty Block:
PROPOSED VIEW OF ANNEXE TO SUPER SPECIALTY BLOCK

Construction & Services - Rs 70.97 crore
Medical equipment & Furniture - Rs 54.23 crore
BUILT UP AREA - 17327 sqm
NO OF FLOORS - G+ 4

The proposed additional Block for expansion of the Super Specialty Hospital shall be constructed behind the existing SSB and to the west of the Mother & Child Hospital. The proposed block shall be four storied building and accommodate the following.

1. Set up the following new super specialty departments:
   i) Department of vascular surgery
   ii) Super specialty department anaesthesiology
   iii) Super specialty department of imaging science
   iv) Cardiac electrophysiology unit
   v) Transplantations unit
   vi) Neuro-vascular stroke unit/Functional Neuro-surgery unit
   vii) Advanced Minimally Invasive Surgery Unit
   viii) Department of Molecular medicine
   ix) Department of Regenerative Medicine

2. Private / semi private pay wards (93 rooms / 166 beds) which will have the following configuration:
   i) VIP suites 5 rooms
   ii) A class beds with A/c single occupancy rooms 35 rooms
   iii) B class beds Non A/c double occupancy rooms 33 rooms
   iv) C class beds Non A/c triple occupancy rooms 20 rooms

   General ward beds totaling 100 beds for various newly created Super Specialty Departments.

   State of the Art OT Complex with 4 Modular OTs and two multi-functional operating theatres fully equipped with Navigation, Imaging, Tele-station and interactive Video capabilities.

MEDICAL EQUIPMENT:

The major medical equipment include:

- CT Scan
- MRI
- DSA
- Digital CR systems
- Ultrasound systems
- Integrated OT
Present status:
The contractor M/s L&T has started the works and the works are under progress.

C. SETTING UP OF SCREENING OPD WITH MRD, GERIATRIC UNIT & DENTAL SETUP

Construction & Services        - Rs 33.71 crore, Area – 9735 sq. m
Medical equipment & Furniture   - Rs 7.43 crore

1.c) Screening OPD with MRD, Geriatric Unit & Dental set up:
The proposed building for screening OPD including medical records department and geriatric unit shall have a built up area of 9735 sq. mts. with a basement and two upper floors. In the basement of 3870 sq. mts, 1000 sq. mts. shall be earmarked for the storage of medical records and 2850 sq. mts. for parking of the cars (50 cars). In the ground and first floor, one wing of the building shall be for the screening OPD with the middle portion for patient registration / medical records department and the other wing of the building shall be for the geriatric unit.

The screening OPD, services in the speciality of medicine, surgery, ENT, Ophthalmology, orthopaedics & dentistry shall be provided. In addition, consultations for surgery, orthopaedics and medicine specialities along with the laboratory & radiological services shall also be provided in the ground floor (X-ray, ECG, ECHO, ultrasound etc). In the first floor of OPD block, ENT, ophthalmology out-patient departments shall be housed. The dentistry department is proposed to be housed above the geriatrics unit with consultation area, treatment area etc.

Present status:
The contractor M/s L&T has started the works and the works are under progress.

2. Modernization of Admin Block
Project cost - Rs 91 lakhs

The turnkey work includes the following:

Supply, installation and commissioning of the work station, modular furniture, painting, vinyl flooring, false ceiling etc at the Administrative block.
The scope of work is to renovate the Administrative block of JIPMER by installing modular furniture in various sections so as to give more working and storage space and to renovate the toilets in the block with replacement by WC Cisterns, floor and wall tiles including repainting of walls and ceiling to create more hygienic working atmosphere in the block.

**Present status**:

The work completed.

3. Setting up of a Multi-disciplinary Advanced Research Centre at JIPMER, Puducherry

JIPMER faculty and research scholars are carrying out research work in the field of pharmacogenomics, microbiology, genetics, yoga, clinical immunology, sleep studies etc. It also provides regular annual training programmes in pharmacogenomics, microbiology, and safe laboratory techniques in HIV etc. Further growth and research activity of the institute is hampered by limitations of space, equipment and resources. There is a need to create state of art facilities in areas of stem cell & regenerative medicine, clinical research, genomics, proteomics, bio-informatics and bio-analytics. Therefore, it is proposed to establish a multidisciplinary advanced research center (MARC) with state of art equipment for advanced research.

The building will house the following laboratories:

1. Stem cell and regenerative laboratory
2. Genomics laboratory,
3. Proteomic laboratory,
4. Analytical laboratory, and
5. Clinical research division

**Present status**:

DPR (Detailed Project Report) prepared for 42.40 crores and the same has been approved by Standing Finance Committee.

4. Construction Of Urban Health Centre At Kuruchikkupam

The Department of PSM caters to the training needs of MBBS, MD, Nursing and other courses. Besides providing family-based health services to the community, the Rural and Urban Health Centers (RHC, UHC) serve as field-based training posts for all these courses.

The UHC building is of vintage French make and was acquired in by JIPMER in 1963. It is now in a very dilapidated state. Because of this the UHC has vacated the building and is now functioning from a temporary building nearby, which has been provided rent-free till November 2013. There was urgent need to demolish the existing structure and build a new one with modern facilities keeping in view the Indian Public Health Standards for Primary Health Centers.

**Present status**:

Retendering work under progress.

5. Construction Of 27 Type II, 27 Type IV & 12 Type V Staff Quarters

JIPMER was converted into an Institute of National Importance by an Act of Parliament in 2008. Subsequently a total of 128 posts have been filled at the level of Assistant Professor and Additional
Professors. With the joining of a large number of Faculty and other Staff the campus with its existing quarters are inadequate for their accommodation. Moreover many posts had been created in the various Super-Specialties and other branches which need these Faculties to be present on call duty outside office hours. Hence it has become necessary to build Additional Quarters for Faculty in the existing campus. In addition, a large number of paramedical staff have also been recruited and they provide round the clock services for the patients.

The existing Staff Quarters were built in 1963. These are Group-A C-II/13, Type VA-14, Type VB-14, DII-24, E Type-44, Type IV-8, F Type -32, Type III-24, G Type -100, Type II-36 and H Type -92 and Type I 44 totaling 445. A total of 147 persons have been appointed as Assistant Professors. The existing Staff are 106. Thus for 253 Group-A Staff the number of existing quarters is only 117 which is grossly inadequate.

The objective is to provide accommodation for Faculty and other Staff. Constructing a total of 66 Units - Type V(12), Type IV(27) and Type II (27) to partially fulfill the need for accommodation within the campus.

The proposed staff quarters have been planned as below:

There will be two blocks of 6 Quarters each of Type V Quarters. Each block will be Ground + six floors. GF will have only stilts which would be used for car parking. The upper six floors will accommodate 6 units in 2 wings i.e 3 units in each wing. Each unit accommodating in two floors consist of living room, one bed room with attached toilet, one common toilet, kitchen, dining and utility room, one balcony in one floor and 2 bedrooms with attached toilets, 1 family room with a balcony in the floor above. Each unit will have an internal staircase. Servants’ quarters are planned as a separate block as Ground+2 Floors, each floor having 4 quarters. A lift for 8 passengers along with a common staircase with a lobby in front in each floor is also being catered.

27 Units of Type IV quarters are planned in one block as Ground floor + 6 floors. The ground floor with stilts will cater for scooter parking. Each of the 6 upper floors will have 4 units each. Each unit will consist of a living room, 2 bedrooms, a dining, kitchen, utility room and 2 toilets. A lift for 8 passengers along with a common staircase with a lobby is provisioned.

Another block of 27 units of Type II quarters is planned in the similar way with stilts in the GF for parking and 6 upper floors having 4 units in each floor. Each unit is having a bedroom, living cum dining, kitchen, bath, WC separately. A lift for 8 passengers with staircase with a lobby in front is located centrally.

Project cost – 21.39 Crores

**Present status :**

The contractor M/s NAPC has started the works and 80% works have been completed.

### 6. Construction of Compound Wall, JIPMER

JIPMER campus is 195 acres. The boundary of this 195 acres is surrounded by a compound wall of low height and is in damaged condition. Now proper compound wall is only in the front portion of the campus and the compound wall surrounding the rear area is not in good condition. Hence there is public intervention and entry of criminals into the campus in day and night which is a safety issue for the campus. In order to avoid these and to improve the security of the campus a compound wall is to be provided to the entire boundary of the campus other than the front area where compound wall is in good condition.
The objective is to provide compound wall to a length of 2445m. The compound wall consists of 23cm brick work and RCC (reinforced Cement Concrete) pillars of size 30 x 30 cm at an interval of 2.4 m. The height of the proposed compound wall is 2.4m from the existing ground level and 0.6m concertina barbed wire fencing above. The overall height of the compound wall will be 3 m from the existing ground level. Concertina barbed wire fencing is of circular shape with 0.6 m diameter supported with poles at 3 meter intervals. The wall will be finished with 12 mm cement plastering and exterior grade painting will be done above that.

Present status:

The work completed.

7. Augmentation of Casualty Services In JIPMER

JIPMER Hospital is a tertiary care hospital catering to large number of rural and semi urban population in around Pondicherry and adjacent area of Tamilnadu. It is main referral centre for many District hospitals and Medical colleges in and around Pondicherry UT. Basing on the requirement, emergency medical services as an independent department was commissioned in the year 2000, with emergency ICYU, OT services and inpatient of 60 beds subsequently dedicated Trauma care services and burn units were added in 2009-10.

The daily attendance in the casualty has increased threefold during the last decade. The average daily attendance which used to be about 150 in the year 2000 has increased to about 350 in 2010. This includes 20 patients requiring resuscitative support to requiring admission / specialty care, trauma, acute poisoning, non-infection medical emergencies, and non-trauma / surgical emergencies. Trauma care units’ beds are insufficient to handle these numbers and they occupy casualty beds for long time congesting the casualty services area. Most of the patients are being kept in triage area resulting in acute shortage of space which compounds the patient flow. The increasing volume & complexity of non-trauma casualty attendance requires augmentation of infrastructure, equipment, staff & process flow. JIPMER’s long range objective is to become a resource centre for capacity building for national workforce development at all levels (emergency medicine physicians, nurses, technicians, training) and setting standards for trauma & non trauma emergency care.

The final objectives to be achieved at the end of this are to provide patient centered care, achieve operational efficiency, improve stakeholder satisfaction and serve as a model for trauma and non-trauma capacity building. Hence this process has been undertaken to augment the casualty both in terms of infrastructure and equipment. The current casualty area has ground floor plus five floors.

Project cost – 9.25 Crores

MEDICAL EQUIPMENT:

PART A – Medical Equipment

<table>
<thead>
<tr>
<th>S.No</th>
<th>Description</th>
<th>Unit</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Defibrillator monitor</td>
<td>Each</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>Multichannel Monitors with Transport Capability</td>
<td>Each</td>
<td>36</td>
</tr>
<tr>
<td>3</td>
<td>Infusion Pumps</td>
<td>Each</td>
<td>22</td>
</tr>
<tr>
<td>4</td>
<td>Portable Ventilators</td>
<td>Each</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>High End Ventilators</td>
<td>Each</td>
<td>16</td>
</tr>
<tr>
<td>6</td>
<td>Mobile ECG</td>
<td>Each</td>
<td>5</td>
</tr>
</tbody>
</table>
### Part A – Medical Equipment

<table>
<thead>
<tr>
<th>S.No</th>
<th>Description</th>
<th>Unit</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Minor OT Tables</td>
<td>Each</td>
<td>6</td>
</tr>
<tr>
<td>8</td>
<td>Main OT Tables</td>
<td>Each</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>Ceiling Mounted Theatre Lights</td>
<td>Each</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Portable Theatre Lights</td>
<td>Each</td>
<td>2</td>
</tr>
<tr>
<td>11</td>
<td>Ceiling Mounted Lights for Minor OT</td>
<td>Each</td>
<td>6</td>
</tr>
<tr>
<td>12</td>
<td>High End USG Machine</td>
<td>Each</td>
<td>2</td>
</tr>
<tr>
<td>13</td>
<td>Medium End USG</td>
<td>Each</td>
<td>4</td>
</tr>
<tr>
<td>14</td>
<td>Portable USG Machine</td>
<td>Each</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>Digital Mobile X ray Unit (Portable)</td>
<td>Each</td>
<td>5</td>
</tr>
<tr>
<td>16</td>
<td>Portable C Arm</td>
<td>Each</td>
<td>3</td>
</tr>
<tr>
<td>17</td>
<td>Anaesthesia Shifting Trolley</td>
<td>Each</td>
<td>4</td>
</tr>
<tr>
<td>18</td>
<td>Auto analyzer</td>
<td>Each</td>
<td>2</td>
</tr>
<tr>
<td>19</td>
<td>Cell Counter</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>Blood Gas Analyser, With Electrolytes</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>21</td>
<td>Laparoscopy Set</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>22</td>
<td>Endoscopy Set</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>23</td>
<td>Electrodiathermy</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>24</td>
<td>Anaesthesia Machines</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>25</td>
<td>AED</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

### Part B – Non Medical Equipment

<table>
<thead>
<tr>
<th>S.No</th>
<th>Description</th>
<th>Unit</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hospital Beds</td>
<td>Each</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>Variable Height Trolleys</td>
<td>Each</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>ICU Beds</td>
<td>Each</td>
<td>25</td>
</tr>
</tbody>
</table>

**Present status:**

The work completed.

### 8. Augmentation Of Nuclear Medicine With PET-CT & Dual Head Gamma Camera

The proposal is for augmentation of the Department of Nuclear Medicine with PET-CT and Dual Head Gamma camera considering the long waiting time for patients requiring investigation with gamma cameras and also for providing state-of-the-art cancer imaging services. The work load is high and patient waiting list is 1-3 months for different Nuclear medicine studies hence another dual head gamma camera is essential for smooth functioning. Another proposal is to augment the Nuclear Medicine Department with PET-CT facility as JIPMER being RCC has large number of cancer patients, most of them can be accurately evaluated by PET-CT facility. The amount sanctioned vide fifth SFC for non-recurring expenditure is 16.529 crores which includes the cost of:

1. Construction
2. Supply of PET-CT
3. Dual Head Gamma Camera.
Present status:

Bid opened on 01.09.2015 and Techno commercial evaluation completed report submitted to JIPMER by HLL and the further action is under process.

9. Establishment of Jipmer International School of Public Heath (JISPH) And Upgradation of Jipmer Rural Health Centre (JRHC) at Ramanathapuram

a. Jipmer International School Of Public Heath (JISPH)

The proposed building for JISPH will have a built up area of 12625 Sq.mts. and will have a stilt floor with four upper floors. The concept plans are provided in Chapter 5 of the DPR. In the stilt floor, provisions have been made for entrance lobby, Dean’s office, cafeteria and electrical room and the remaining area will be used for parking of cars of faculty and officers of JIPMER. The total built up area of the stilt floor is 1765 sq.mts, out of which 835 sq.mts is earmarked for the lobby, Dean’s office, cafeteria and electrical room and 930 sq.mts for parking of the cars. The common facilities like Lecture Halls, Library, Multi-purpose Hall, Museum, Auditorium and Cafeteria are located in the middle of the block so that all the divisions of the school will have easy access.

In the first floor of the proposed building, Maternal and Child Health, Public Health Nutrition, Health Communication Behavioral Science and Medical Sociology divisions are proposed to be housed. The second floor will house Divisions of Epidemiology, Biostatics, Health Policy & Management, Health Economics and International health. The third floor will house Divisions of Environmental Health, Disaster Management and Non-communicable Disease. The fourth floor will house Divisions of communicable Disease and UG Labs.

The total constructed area of the building will be 12,625 sq.mts. The projected cost of construction along with the DG back-up, lifts, etc., is Rs. 53.90 Crores. The list of equipment costing 7.30 crores.

**MEDICAL EQUIPMENT:**

**LIST OF EQUIPMENT**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Equipment</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Disease Surveillance Laboratory</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>UV light, Slides, container, Reagent</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Binocular microscope</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>Autoclave</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Hot air oven</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Bio safety hood</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>ELISA reader/system</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>ELISA washer</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Freezer (-20º C)</td>
<td>2*</td>
</tr>
<tr>
<td>9</td>
<td>Mosquito Aspirator</td>
<td>5</td>
</tr>
<tr>
<td>10</td>
<td>Pipettes (various volumes)</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td><strong>Audio-visual Laboratory</strong></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Adobe full package (Photoshop, Flash, Indesign, Premiere Pro, Dreamweaver, AfterEffects)</td>
<td>1</td>
</tr>
<tr>
<td>31</td>
<td>Autodesk Software Package (Combustion, 3DXmax, Maya)</td>
<td>1</td>
</tr>
</tbody>
</table>
### Public health nutrition

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>Electronic Balance</td>
<td>1</td>
</tr>
<tr>
<td>33</td>
<td>Gas Chromatography</td>
<td>1</td>
</tr>
<tr>
<td>34</td>
<td>HPLC</td>
<td>1</td>
</tr>
<tr>
<td>35</td>
<td>Fluorimeter</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>SUB TOTAL</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Environmental health laboratory

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>Digital Balance</td>
<td>1</td>
</tr>
<tr>
<td>37</td>
<td>Centrifuge</td>
<td>1</td>
</tr>
<tr>
<td>38</td>
<td>Cell Phone &amp; Tower RF meter</td>
<td>2</td>
</tr>
<tr>
<td>39</td>
<td>Sound level meter</td>
<td>1</td>
</tr>
<tr>
<td>40</td>
<td>Respirable Dust Sampler</td>
<td>1</td>
</tr>
<tr>
<td>41</td>
<td>High volume Sampler</td>
<td>1</td>
</tr>
<tr>
<td>42</td>
<td>Fine Dust Particulate Matter Sampler</td>
<td>1</td>
</tr>
<tr>
<td>E</td>
<td>Information technology</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Models &amp; specimens</td>
<td></td>
</tr>
</tbody>
</table>

#### b. Up-gradation of Rural Health Centre (RHC), Ramanathapuram

In line with JISPH, the JIPMER Rural Health Centre at Ramanathapuram needs to be upgraded as a model training centre that provides holistic care as per the contemporary community needs. The old block of JRHC need to be demolished completely and a new building has to be constructed.

With increase in number of MBBS students to 150 per year, around 12-15 interns are expected to stay at the centre during their compulsory rotatory internship. Additionally hostel facilities have to be provided for foreign graduates, postgraduate residents and senior residents from community medicine and other departments. With introduction of newer courses in the department (PGDPHM, MPH, DrPH), additional hostels and up-gradation of training facilities need to be undertaken at the centre.

The buildings in connection with up-gradation of facilities are as follows.

New hospital block: It is proposed that the ground floor complex houses the OPD (with modular partition) and patient waiting area, Nursing station, Medical Records Room (space for family records), Pharmacy, Dressing room, Observation room, Counselling room, Cold chain room, Minor OT, Laboratory Facility, Office room, and rooms for Medical Officers and Consultants. The first floor of this block will have the multipurpose hall, rooms for staff and residents, and IDSP/ Data entry room. The existing building will have the inpatient wards, X-Ray room, Ultrasonogram Room, Physiotherapy Room, room for Telemedicine facility and other facilities.

Hostel block: Hostel for the Interns and residents is proposed behind the existing hospital block.

Quarters for faculty and staff: The quarters for the As existing quarters assistant Professor (2 unit of type 4 quarters) are proposed in the space adjacent to the existing quarters. The existing quarters for Medical Officer will be renovated and 4 additional unit (type 2 quarters) will be constructed adjacent to the existing facility.

- Other structural changes proposed:
- Internal Modification of the existing OT complex
- Relocation of existing security cabin and broadening of the road.
- Cementing of the walkway
- Additional space for parking
- Strengthen perimeter wall of the RHC
- Landscaping
- Mini Sewage Treatment Plant (for 100 residents)

**Present status:**

The SFC of the Ministry cleared this proposal and the work has been awarded to L&T. The site has been handed over to M/s. L&T. The soil test was completed by M/s. L&T and the works will start soon.

**JIPMER Phase IV Works:**

1. **Construction Of Public Utility Medical Mart:**
   Project cost – 2.31 Crores

2. **Establishment Of Wellness Centre Including A Modern Swimming Pool**
   Project cost – 5.95 Crores

3. **Establishment Of Drug Testing Laboratory**
   Project cost – 15.02 Crores

4. **Establishment Of Pneumatic Tube Conveyor System**
   Project cost – 9.00 Crores

5. **Establishment Of Multi-Disciplinary Endoscopy Laboratory**
   Project cost – 9.83 Crores

6. **Establishment Of Information Technology Wing**
   Project cost – 9.35 Crores

7. **Up Gradation of Trauma Centre and Burns Unit**
   Project cost – 50 Crores

8. **Establishment of Centre for Health Profession, Education**
   Project cost – 35 Crores
9. **Setting up of Institute of Allied Health Sciences including Pharmacology**
   Project cost – 55 Crores

10. **Modernization and expansion of Administrative Block**
    Project cost – 20 Crores

11. **Multi-Level Parking facility**
    Project cost – 10 Crores

12. **Upgradation of Regional Cancer Centre (RCC)**
    Civil works Rs.10.500 Crores
    Equipement Rs. 11.995 crores
    Total Rs. 22.495 crores

    Total Project value of Phase IV work = 243.955 Crores

**Present status :**
SFC has approved the proposals. The financial sanction is awaited from the Ministry.
1. FUNCTION OVERVIEW

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), with a deep commitment to excel in areas of medical education, patient care and research, has its academic atmosphere nurtured, disciplined and promoted by the Dean and his team under the expert guidance of the Standing Academic Committee.

Academic Section executes admission and certification formalities, it integrates curricular planning, teaching – learning activities and relevant research for timely transfer to patient’s needs. The Section supervises and ensures strict adherence to curriculum in all the courses. The notification, conduct of Entrance Examinations at All India level and allotment of seats in various courses as per statutory norms are a ‘round – the year’ responsibility of the Academic Section.

2. UNDERGRADUATE EDUCATION

M.B.B.S. (Bachelor of Medicine, Bachelor of Surgery)

Admission to first year MBBS course in JIPMER is based on Entrance Examination. Application for Entrance Examination is only through online process. The Entrance Examination consists of multiple choice type questions totaling 200 in the subjects of English, Physics, Chemistry, Biology. Entrance Examination for admission to the first year MBBS course 2014-15 was conducted on 08.06.2014 in 36 centers, Delhi, Faridabad, Ghaziabad, Greater Noida, Gurgaon, Lucknow, Meerut, Bengaluru, Chennai, Cochin, Coimbatore, Hyderabad, Mangalore, Mysore, Nagercoil, Namakkal, Puducherry, Salem, Tirunelveli, Thiruvananthapuram, Trichy, Trivendrum, Vijayawada,Visakhapatnam, Asansol, Bhubaneswar, Durgapur, Guwahati, Hoogly, Howrah, Kalyani, Kolkata, Bhopal, Gandhi Nagar (Gujarat) Mumbai, Pune. A total 93334 applications were received, 58298 candidates appeared.

The details of admission are as under:-

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Category</th>
<th>Period (2014-15)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unreserved (UR) including 2 UR OPH</td>
<td>50</td>
</tr>
<tr>
<td>2</td>
<td>Other Backward Classes (OBC) Non-Creamy Layer (including 2 OBC OPH)</td>
<td>28</td>
</tr>
<tr>
<td>3</td>
<td>Scheduled Caste (SC)</td>
<td>16</td>
</tr>
<tr>
<td>4</td>
<td>Scheduled Tribe (ST)</td>
<td>11</td>
</tr>
<tr>
<td>5</td>
<td>Puducherry Unreserved (P-UR)</td>
<td>23</td>
</tr>
<tr>
<td>6</td>
<td>Puducherry Other Backward Classes (P-OBC) Non-Creamy Layer</td>
<td>11</td>
</tr>
<tr>
<td>7</td>
<td>Puducherry Scheduled Caste (P-SC)</td>
<td>06</td>
</tr>
</tbody>
</table>
Three candidates belonging to the differently able category were admitted to the first year MBBS course against the 3% seats reserved. The details of the highest marks obtained in the various categories under which admission was granted are as under:-

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Categories</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unreserved (UR)</td>
<td>172</td>
</tr>
<tr>
<td>2</td>
<td>Other Backward Classes (OBC)</td>
<td>167</td>
</tr>
<tr>
<td>3</td>
<td>Scheduled Caste (SC)</td>
<td>168</td>
</tr>
<tr>
<td>4</td>
<td>Scheduled Tribe (ST)</td>
<td>156</td>
</tr>
<tr>
<td>5</td>
<td>Puducherry Unreserved (P-UR)</td>
<td>149</td>
</tr>
<tr>
<td>6</td>
<td>Puducherry Other Backward Classes (P-OBC)</td>
<td>143</td>
</tr>
<tr>
<td>7</td>
<td>Puducherry Scheduled Caste (P-SC)</td>
<td>145</td>
</tr>
<tr>
<td>8</td>
<td>OPH</td>
<td>149</td>
</tr>
<tr>
<td>9</td>
<td>NRI/OCI</td>
<td>167</td>
</tr>
</tbody>
</table>

The duration of the course is 4 years and 6 months followed by one year Compulsory Rotatory Residency Internship. During the period of internship, the intern is paid ` 15,120/- as stipend. The details of postings of the intern are as under:-

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Discipline</th>
<th>Duration of Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>General Medicine</td>
<td>1 ½ Months</td>
</tr>
<tr>
<td>1 (a)</td>
<td>Psychiatry</td>
<td>15 Days</td>
</tr>
<tr>
<td>2</td>
<td>Surgery</td>
<td>1 ½ Months</td>
</tr>
<tr>
<td>2 (a)</td>
<td>Anaesthesiology</td>
<td>15 Days</td>
</tr>
<tr>
<td>3</td>
<td>Obst. &amp; Gynaec.</td>
<td>2 Months</td>
</tr>
<tr>
<td>4</td>
<td>Paediatrics</td>
<td>1 Month</td>
</tr>
<tr>
<td>5</td>
<td>Ophthalmology</td>
<td>15 Days</td>
</tr>
<tr>
<td>6</td>
<td>E.N.T.</td>
<td>15 Days</td>
</tr>
<tr>
<td>7</td>
<td>Orthopaedics</td>
<td>1 Month</td>
</tr>
<tr>
<td>8</td>
<td>Emergency Triaging</td>
<td>07 Days</td>
</tr>
<tr>
<td>9</td>
<td>Emergency Neuro Trauma</td>
<td>08 Days</td>
</tr>
<tr>
<td>10</td>
<td>Elective Posting (Blood Bank / Dermatology / Forensic Medicine / Psychiatry / Radio – Diagnosis / TB &amp; CD / Neuro Surgery Trauma / Emergency Medicine.)</td>
<td>15 Days</td>
</tr>
</tbody>
</table>

**M.D. (Emergency Medicine)**

M.D. Course in Emergency Medicine was started during the academic year 2014-15, with an annual intake of 6 students of which 3 seats are reserved for Sponsored Candidates from JIPMER and
admission was based on Entrance Examination. M.D program is now being offered in 19 disciplines & M.S program in 5 disciplines.

**M.Sc. (NURSING)**

During the academic year 2014-15, 25 students were admitted to M.Sc. course in Nursing in 5 disciplines (five students in each discipline), based on Entrance Examination.

**B.Sc. (NURSING)**

Nursing college was started by JIPMER during the year 2006 with an annual intake of 75 students. Admission to Nursing is based on Entrance Examination. The Entrance Examination for admission to the first year Nursing course, 2014-15 was conducted on 27.07.2014. The Entrance Examination was conducted in Chennai & Puducherry centers. The course is of 4 years duration with 1 year optional stipendiary internship at JIPMER on completion of the course. The course comprises the study of Nursing principles, Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Psychology, Sociology, Management, Education, English, Research Biostatistics, Medical and Surgical Nursing, Child Health Nursing, Maternity Nursing, Mental Health Nursing, Community Health Nursing and Midwifery.

**B.Sc. (MLT) - BACHELOR OF SCIENCE IN MEDICAL LABORATORY TECHNOLOGY**

The B.Sc.(MLT) course was started by JIPMER in the year 1985 with the objectives to integrated basic scientific knowledge with diagnostic services, to facilitate skills needed in all branches of laboratory technology and to assess competency-based learning after specified period. The course is of 3 years duration with an annual intake of 30 students per year. The candidates are eligible for 1 year optional stipendiary internship at JIPMER and admission is based on Entrance Examination. On successful completion of the course, the candidates are eligible for admission to M.Sc. (Medical Biochemistry), and other Post Graduate Courses in Biotechnology and Research Fellowship Programs. During the Academic year 2014-15, 30 candidates were admitted to the course.

**B.Sc. Allied Medical Sciences Courses**

B.Sc. (Allied Medical Sciences) Courses offered in the 7 disciplines of (Perfusion Technology, Dialysis Technology, Operation Theatre Technology, Radiotherapy Technology, Neuro Technology, Cardiac Lab Technology and Nuclear Medicine Technology) 4 students in each discipline with an annual intake of 28 students for the academic year 2014-2015.

**Emergency Medical Technician Certificate Course**

Emergency Medical Technician Certificate course with an annual intake of 20 students and duration of 12 months is offered with the objectives to build a group of trained personnel to handle effectively trauma victims in the field / accident site, to learn skills for safe transportation in specialized ambulances to nearest hospitals and to impart skill based training and relevant knowledge regarding golden hour of pre-hospitalization. The course of study consists of various resuscitation methods and details of safe transportation of victim taught by the Faculty of Anaesthesiology, Surgery and Nursing Sciences. The admission is through Entrance Examination with Higher Secondary qualification. During the period of study, the candidates are paid stipend of ₹300/- per month. 20 students were admitted during the year 2014-15.

**Post Basic Diploma in Nursing**

Post Basic Diploma in Nursing, with the objective to prepare registered nurses with specialized knowledge, skill and attitude in providing advanced quality care to patients, was started in five
disciplines of Critical Care Nursing, Cardio-Thoracic Nursing, Operation Theatre Nursing, Oncology Nursing and Neonatal Nursing, with an annual intake of 50 students, during the academic year 2014-15. The duration of course is one year and the intake is 10 students per discipline. During the period of study, the students are paid stipend of ` 10,000/- per month and also provided free accommodation.

**MODULAR PROJECTS (VI & VII – Semester MBBS Students)**

Modular teaching and projects on common clinical problems were carried out by the 6th and 7th semester MBBS students. Screening for cancer, Nutrition in Health and diseases, Family planning, First aid, Peptic Ulcer, Counseling and communication strategies in hospital module focus on Anemia, Jaundice, Dyspnea, Febrile Patient, Burn were among the topics covered. Pre-test & Post-test was also conducted. The hands-on training for first aid and communication strategies were evaluated.

**4. POST-GRADUATE COURSES**

Admission to the Postgraduate (M.D./M.S.), Super Specialty (D.M./M.Ch.) Fellowship Course, M.Sc. (Medical Biochemistry), M.Sc.(MLT-Microbiology), M.Sc.(MLT-Cytopathology), M.Sc. (Medical Physiology) and Ph. D Programs are based on Entrance Examination. During the Academic year 2014-15, 147 candidates were admitted to the Postgraduate (MD/MS) courses, 32 candidates were admitted to the Super Specialty courses, 11 candidates were admitted to the Fellowship courses, 15 candidates were admitted to the Ph.D programs, 31 seats at the Postgraduate level (MD/MS) are reserved for Institute candidates, 13 candidates were admitted to the M.Sc. Courses. (Excluding M.Sc. Nursing) The details of admission are as under:

**P.G. Programs (M.D./M.S.)**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Course</th>
<th>No. of Students admitted</th>
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<tr>
<td>1</td>
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<td>2</td>
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<tr>
<td>3</td>
<td>M.D. Microbiology</td>
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<td>4</td>
<td>M.D. Physiology</td>
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<td>5</td>
<td>M.D. Psychiatry</td>
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<td>M.D. Pharmacology</td>
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</tr>
<tr>
<td>7</td>
<td>M.D. Transfusion Medicine</td>
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<tr>
<td>8</td>
<td>M.D. Paediatrics</td>
<td>15</td>
</tr>
<tr>
<td>9</td>
<td>M.D. Radio-Diagnosis</td>
<td>6</td>
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<tr>
<td>10</td>
<td>M.D. Radiotherapy</td>
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<tr>
<td>11</td>
<td>M.D. Anaesthesiology</td>
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<tr>
<td>12</td>
<td>M.D. Dermatology, Venereology &amp; Leprosy</td>
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<td>13</td>
<td>M.D. Biochemistry</td>
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<td>14</td>
<td>M.D. Community Medicine</td>
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<td>15</td>
<td>M.D. Pulmonary Medicine</td>
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<tr>
<td>16</td>
<td>M.D. Anatomy</td>
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<td>17</td>
<td>M.D. Forensic Medicine</td>
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<tr>
<td>18</td>
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<td>M.S. General Surgery</td>
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<tr>
<td>20</td>
<td>M.S. Obstetrics &amp; Gynaecology</td>
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<tr>
<td>21</td>
<td>M.S. Orthopaedics</td>
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<td>M.S. Ophthalmology</td>
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<td>23</td>
<td>M.S. Oto-Rhino Laryngology (E.N.T.)</td>
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<td>24</td>
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<td><strong>Total</strong></td>
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**Highest mark obtained category wise in Entrance Examination 2014**

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<tr>
<td>OBC</td>
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<td>INSTITUTE</td>
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<tr>
<td>OPH</td>
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<tr>
<td>SC</td>
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<tr>
<td>ST</td>
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**Super Specialty Programs (D.M./MCh)**

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<td>D.M. Neurology</td>
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<tr>
<td>4</td>
<td>D.M. Nephrology</td>
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<td>D.M. Clinical Immunology</td>
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<td>6</td>
<td>D.M. Clinical Pharmacology</td>
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<td>7</td>
<td>D.M. Clinical Haematology</td>
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<tr>
<td>8</td>
<td>D.M. Endocrinology</td>
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<td>9</td>
<td>D.M. Medical Oncology</td>
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<tr>
<td>10</td>
<td>M.Ch. Urology</td>
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<td>11</td>
<td>M.Ch. CT &amp; VS</td>
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<td>M.Ch. Surgical Gastroenterology</td>
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Ph.D. Programs

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<td>Ph.D. Pharmacology</td>
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<td>Ph.D. Microbiology</td>
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<tr>
<td>4</td>
<td>Ph.D. Paediatrics</td>
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<td>Ph.D. Physiology</td>
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<td></td>
<td><strong>Total</strong></td>
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</tbody>
</table>

**FELLOWSHIP COURSES STUDENT ADMITTED**

- Fellowship Cardiac & Neuro Anaesthesiology - 4 seats
- Fellowship Paediatric Critical & Emergency Care - 2 seats
- Fellowship Critical Care Anaesthesiology - 4 seats
- Fellowship Diabetology - 1 seat

**M.Sc. (MEDICAL BIOCHEMISTRY)**

The course is being run for the last 33 years. The course is of 3 years duration. The objectives of the course are to learn judicious use of various biochemical laboratory tests, to facilitate skills needed for performing various biochemical tests, to integrate basic scientific knowledge for biochemical diagnosis and monitoring and to develop skilled human resources in Medical Bio-Chemistry for teaching and research. The annual intake for the year 2014-15 was 9 students and admission was made on the basis of the Entrance Examination.

**M.Sc. MLT (Microbiology)**

The course was started during the academic year 2010-11 with an annual intake of 4 students. The course duration is of 2 years. The selection is based on the Entrance Examination. During the academic year 2014-15, 4 students were admitted.

**7. APPROVAL FOR LECTURES BY DISTINGUISHED FACULTY/INVITED SPEAKERS**

The following Guest Faculties in various disciplines were invited by the Academic Section.

- Dr. C. Sundaram - Pathology
  Sr. Prof. of Pathology,
  Dean, Nizams’ Institute of Medical Sciences,
  Punjagutta, Hyderabad.

- Dr. D.K. Srinivas - Medical Education
  (Former Dean & Former Consultant of JIPMER)
  Curriculam Development Cell,
  Rajiv Gandhi University of Health Sciences,
  Bangalore.
Dr. Samir Malhotra - Pharmacology,
Addl. Professor, Dept. of Pharmacology,
PGIMER, Chandigarh.

Dr. K.L.N. Rao - Paediatric Surgery
Professor
Dept. of Paediatric Surgery
PGIMER, Chandigarh

Dr. Srinivsa N. Raja - Anaesthesiology
Professor
Dept. of Anaesthesiology / CCM / Neurology,
Director, Division of Pain Medicine
John Hopkin’s University, Baltimore, USA.

Dr. George Krimundackal - Surgical Oncology
Consultant Surgical Oncologist,
Thoracic Services, Tata Memorial Hospital,
Mumbai.

Prof. Robert I, Fox, - Paediatrics
Chief Rheumatologist,
Scripps Memorial Hospital & Research Foundation
La Jolla, California.

Prof. S.S. Dhara, - Anaesthesiology
Royal Hobart Hospital, Hobart
Tasmania, Australia.

8. SHORT TERM AND LONG TERM TRAINING PROGRAMMES.

Students from various Government colleges are imparted training for a period of two to three months in various departments of this Institute on payment of requisite fees.

The following Foreign students also were provided Elective Training in JIPMER.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the student</th>
<th>Dept</th>
<th>Duration of Elective Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ms. Harriet Ann Heath Emmerson, University of Birmingham, College of Medical &amp; Dental Sciences, Edgbaston, Birmingham, B 15 2TT, U.K</td>
<td>Obst. &amp; Gynaecology</td>
<td>05.05.2014 to 30.05.2015</td>
</tr>
<tr>
<td>2</td>
<td>Ms. Diane Masket III Year MBBS University of Michigan, USA.</td>
<td>Emergency Medicine</td>
<td>01.07.2014 to 10.08.2014</td>
</tr>
<tr>
<td>3</td>
<td>Ms. Kelly MC Donald, III Year MBBS University of Michigan, USA.</td>
<td>P&amp;SM</td>
<td>01.07.2014 to 10.08.2014</td>
</tr>
<tr>
<td>4</td>
<td>Ms. Carre Anais, Faculte de Medicine Denis Diderot, 10, Avenue de Verdun 75010, PARIS</td>
<td>Neurology</td>
<td>07.07.2014 to 01.08.2014</td>
</tr>
</tbody>
</table>
M.R.T. (Medical Record Technician)

15 Sponsored Government Servants from various Institutions are imparted training in the department of Medical Records of this Institute for a period of 6 months. Examination is conducted at the end of the course certificates were issued.

M.R.O. (Medical Records Officer)

15 Sponsored Governments Servants from various Institutions are imparted training in the department of Medical Records of this Institute for a period of 6 months. Examination is conducted at end of the course certificates were issued.

EDUCATIONAL ACTIVITIES, CLINICAL MEETINGS / CONFERENCE / SYMPOSIUM / WORKSHOP CONDUCTED IN JIPMER.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Program</th>
<th>Sponsor / Organizer</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>CME cum Workshop on “Fetal Medicine for the Practicing Obstetrician”.</td>
<td>Obst. &amp; Gynecology</td>
<td>06.04.2014</td>
</tr>
<tr>
<td>2.</td>
<td>Sixth Indo-French Radial Intervention Course, 2014.</td>
<td>Cardiology</td>
<td>08.05.2014 to 10.05.2014</td>
</tr>
<tr>
<td>8.</td>
<td>CME on “Update in Pediatric Dermatology”.</td>
<td>Dermatology &amp; STD</td>
<td>01.03.2015</td>
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</tbody>
</table>

10. CONVOCATION

The Fifth Convocation of JIPMER was held on 26th April 2014. His Excellency Shri Bharat Joshi, British Deputy High Commissioner was the Chief Guest, delivered the convocation address. Degrees were awarded to the MBBS, PG (MD/MS) and Super Speciality graduates who had successfully completed the courses. The President, JIPMER and the Chief Guest distributed the degrees and the awards. The names of the candidates who received their degrees in person and the degrees awarded are detailed below:-

A total of 368 Degrees and 66 Medals were awarded. (In-Person - 287, In-Absentia – 81)

LIST OF CANDIDATES WHO ARE ELIGIBLE FOR THE AWARD OF DEGREE

1 Doctor of Philosophy Ph.D
   1 SMITHA AMRIAM KOSHY  Medical Biochemistry  1
   2 BAHUBALI D GANE   Paediatrics   1
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name</th>
<th>Specialty</th>
<th>Degree</th>
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<tr>
<td>1</td>
<td>KRISHNA KUMAR D</td>
<td>Medical Pharmacology</td>
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</tr>
<tr>
<td>2</td>
<td>Dr. SUNIL K NARAYAN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K SARAVANAN</td>
<td>Medical Physics</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>N VIJAYAPRABHU</td>
<td></td>
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<tr>
<td>2</td>
<td>Magister Chirurgiae (M.Ch.)</td>
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</tr>
<tr>
<td>1</td>
<td>KUMMARI MADHUSUDHAN</td>
<td>Cardio Thoracic &amp; Vascular Surgery</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>HEMACHANDREN M</td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>PLEASANT SUNNY</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td>Magister Chirurgiae (M.Ch.)</td>
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<tr>
<td>1</td>
<td>SUDHEER KUMAR G</td>
<td>Neurosurgery</td>
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<td>4</td>
<td>Magister Chirurgiae (M.Ch.)</td>
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<tr>
<td>1</td>
<td>AVIJIT KUMAR</td>
<td>Urology</td>
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<td>RAHUL GUPTA</td>
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<td>SHAILENDRA PRATAP SINGH</td>
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<td>YASHDEEP RUSTAGI</td>
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<td>Doctor of Medicine (D.M.)</td>
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<tr>
<td>1</td>
<td>PRADEEP KUMAR K</td>
<td>Cardiology</td>
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<td>RAHUL BUDHARAM RAMTEKE</td>
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<td>RAVI SHANKAR S</td>
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<td>ROJO JOY</td>
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<td>SANDHIYA S</td>
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<td>SANDEEP KUMAR AGARWAL</td>
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<tr>
<td>1</td>
<td>RAMESH V</td>
<td>Cardiac &amp; Neuro Anaesthsiology</td>
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<td>BALACHANDAR B V</td>
<td>Paediatric Critical &amp; Emergency Care</td>
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<td>GITIKA PANT</td>
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<td>DIVYA SINGH</td>
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4 ALOK KUMAR AGRAWAL
1 JEREMIAH S S Tropical Parasitology
1 ASHA V Critical Care (Anaesthesiology)
2 MOHD SAIF KHAN
3 NIYAZ CHANNANATH ASHRAF
1 DINESAN M Medical Oncology

11 Doctor of Medicine (M.D.) Anaesthesiology
1 AJITHKUMAR PILLAI
2 ARUN SEKAR.G
3 ASWINI L
4 KANCHAN V BILGI
5 MANISH S
6 MOHAMMAD NAWAZ
7 PRABU G
8 RAMYavel T
9 RAVI SHANKAR K
10 SENTHILNATHAN M

12 Doctor of Medicine (M.D.) Anatomy
1 BROOKLYIN S
2 N.A PRIYADHARSHINI
3 RAJPRASATH R
4 VIDYA G

13 Doctor of Medicine (M.D.)
1 ARCHANA NIMESH
2 BALASUBRAMANIAN A
3 PRERNA SINGH
4 ARUL VIJAYA VANI S

14 Doctor of Medicine (M.D.) Community Medicine
1 ARCHANA R
2 BIJAYA NANDA NAIK
3 ISWARYA S
4 SUMAN SAURABH
5 VINAYAGAMOORTHY V
6 PRASANNA T

15 Doctor of Medicine (M.D.) Dermatology, Venereology & Leprology
1 BISWANATH BEHERA
2 DEEPTHI KONDA
3 LAKSHMI BHUVANESWARAN KARTHA
4 NAVA KUMAR M
5 SIVASHANKARI K
6 GHODAKE NISHANT BAPU
7 LAXMAN BESRA
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<td>MAYA G</td>
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   6 NANDISH KUMAR K C
31 Master of Surgery (M.S.)  Otorhinolaryngology  3
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   3 SHILPA DIVAKARAN
32 Master of Science (M.Sc.)  Medical Biochemistry  9
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   3 MANJUSHA JANGAM
   4 RATHIKA S
   5 SHERIN JACOB
   6 SITHARA THOMAS
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   8 SREENIVASULU REDDY B
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33 Master of Science (M.Sc.)  MLT-Microbiology  3
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34 Bachelor of Medicine and  Bachelor of Surgery M.B.B.S.  86
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35 Bachelor of Science Nursing

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### Bachelor of Science Medical Laboratory Technology

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Award of Endowment Prize / Medals during the 5th Convocation, 2014

### UNDERGRADUATES

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<td>Anatomy</td>
<td>Dr. S. C. Mitra and Mrs. Geetha Mitra Endowment Prize</td>
<td>Student who Secures highest mark in the Annual Examination in Anatomy Subject in MBBS Course</td>
<td>Ms. Ramyasree Bade</td>
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<td>Physiology</td>
<td>Smt. Nishamani Parija Endowment Prize</td>
<td>Student who Secures highest mark in the Annual Examination in Physiology in MBBS Course</td>
<td>Mr. Bayye Rajkumar</td>
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<td>Biochemistry</td>
<td>Dr. M.K. Ramanathan Memorial prize</td>
<td>Student who secures highest marks in all notified Internal Assessment tests (practical and theory) including send up in the subject of Biochemistry.</td>
<td>Mr. Saurav Das</td>
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<td>Best Student of First year MBBS</td>
<td>Mr. Ajay J Mathews Memorial Prize</td>
<td>Student who secures the highest IA mark in all pre-clinical subjects viz. Anatomy, Physiology &amp; Biochemistry</td>
<td>Ms. Anubha Dev</td>
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<td>Mr. Pradosh Kumar Sarangi</td>
<td>Interns who secure highest marks based on single common examination on theory.</td>
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<td>Student who secures the highest mark in all the notified IA tests including send up (in case of tie/attendance is taken into consideration) in the subject of Pathology.</td>
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<td>Ms. Shreyashi Jha</td>
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<td>Best student of second MBBS</td>
<td>Nomination Not Received</td>
<td>Student who secures the highest mark in all the notified IA tests in III to V semester (II MBBS) viz. Pathology, Microbiology, Forensic Medicine and Pharmacology including send up examination.</td>
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<td>Ophthalmology</td>
<td>M/S South Arcot District Co-operative Supply and Marketing Society Ltd, Prize</td>
<td>Student who secures the highest mark in all the notified IA tests including send up in the subject of Ophthalmology.</td>
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<td>A) Sri.N. Selvaradjalou Chettiar Memorial Prize and B) Sri.V.Manicassamy Endowment Prize</td>
<td>Student who secures the highest mark in all the notified IA tests including send up from I to VII semesters in the subject of P&amp;SM. Based on the record of Comments Posting, Presentation, Attendance plus Expression of Faculties.</td>
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<td>Dr.S. Lakshmanan Memorial Endowment Prize</td>
<td>Student who secures highest mark in the Internal, Assessment in P&amp;SM, E.N.T, and Ophthalmology of pre-final year MBBS course</td>
<td>Ms. Garikapati Vranda ha</td>
</tr>
<tr>
<td>14</td>
<td>Medicine</td>
<td>A) Dr. V. Murali Memorial Endowment Prize and B) Dr.V. Udayaraj Gold Medal</td>
<td>Best student of MBBS in the subject of medicine. 75% weightage for send up examination and 25% weightage for other notified tests only in the Final year MBBS. The prize is awarded to First Rank holder in Medicine in annual Exam among Final MBBS students.</td>
<td>Mr. Jude Ernest Dileep A Mr. Jude Ernest Dileep A</td>
</tr>
</tbody>
</table>
| 15 | Surgery | A) Mrs. S. Santoshwati Memorial Prize and  
B) Smt. Nishamani Parija Endowment Prize | Student who secures the highest mark in all the notified IA tests including send up in the subject of Surgery. Student who Secures highest mark in the annual Examination in Surgery in MBBS Course | Ms. Divya Bharathi S  
Mr. Aswin Chandran C  
Ms. Sabia Handa |
| 16 | Obstetrics and Gynaecology | A) Dr. (Mrs). S. N. Mukherjee Gold Medal and  
B) Dr. Uvathy Memorial Endowment Prize | Student who secures highest mark in all the notified IA tests including send up in the subject of Obstetrics and Gynaecology. Student who secures Second highest mark in all the notified IA tests including send up in the subject of Obstetrics and Gynaecology. | Ms. Sabia Handa  
Ms. Divya Bharathi S |
<p>| 17 | Pediatrics | Mrs. Susheela Selvaradjoulou Memorial Prize | Student who secures the highest mark in all the notified IA tests including send up in the subject of Pediatrics. | Ms. Sabia Handa |
| 18 | Psychiatry | Indian Psychiatric Society (South Zone) Endowment Prize | Student who secures based on a single examination of 20 T/P items of 80 marks and 2 SAQs of 20 marks in the subject of Psychiatry. | Mr. Rajanarayanan S |
| 19 | Dermatology And STD | Indian Association of Dermatologists and Venereologists &amp; Leprologists Medal (IADVL) | Student who secures the highest mark in a single common examination, theory only (SAQs) in the subject of Dermatology and STD | Mr. Ramanathan V |
| 20 | Anesthesiology | A) ISA and B) Dr. Chakravarthy Memorial prize | Single notified prize exam, (theory only) | Mr. Dhaya Guruvasan M |</p>
<table>
<thead>
<tr>
<th>No.</th>
<th>Department</th>
<th>Endowment Prize</th>
<th>Criteria</th>
<th>Award Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Orthopedics</td>
<td>Dr. Vijay Kumar Moorthy Endowment Prize</td>
<td>MBBS Student who secures the highest mark in internal assessment in the subject of Orthopedics.</td>
<td>Ms. Jyoti Baghel</td>
</tr>
<tr>
<td>22</td>
<td>Cardiology</td>
<td>MOH Hassan Kuthoose Marikar Endowment Prize</td>
<td>Student who secures the highest mark based on Single common exam (theory only) (SAQs) among Interns in the subject of Cardiology.</td>
<td>Mr. Pradosh Kumar Sarangi</td>
</tr>
<tr>
<td>23</td>
<td>Neurology</td>
<td>Dr. K.G.S. Nanda Endowment prize</td>
<td>Student who secures the highest mark based on Single common exam (theory only) (SAQs) among Interns in the subject of Neurology.</td>
<td>Mr. Shri Varthan R</td>
</tr>
<tr>
<td>24</td>
<td>Radiotherapy (ONCOLOGY)</td>
<td>b) Mrs. Subhadra Devi &amp; Dr. K.V.K. Rao</td>
<td>Best UG student in ONCOLOGY (based on a test involving Medical, Surgical &amp; Radiation oncology)</td>
<td>Mr. Shri Varthan R</td>
</tr>
<tr>
<td>25</td>
<td>Best Student of final MBBS</td>
<td>Brigadier A. Nilakantan Memorial Prize</td>
<td>Best Student of final MBBS based on the cumulative total marks of all four subjects of final MBBS in the annual Examinations</td>
<td>Mr. Jude Ernest Dileep A</td>
</tr>
<tr>
<td>26</td>
<td>Best Intern</td>
<td>Dr. S.C. Mitra and Mrs. Geetha Mitra Endowment Prize</td>
<td>1) As per the Scores on the Intern diary. 2) Belong to the Regular Batch. 3) Should have joined Internship at least on 1st January and completed on 31st December</td>
<td>Ms. G. Amirtha</td>
</tr>
<tr>
<td>27</td>
<td>Best all rounder among outgoing MBBS Students</td>
<td>Dr. K.S. Sridhar Memorial JIPMER Alumni Association Prize and Sri. M.C. Rama Varma Valia Raja Memorial Gold Medal</td>
<td>Criteria Circulated Separately.</td>
<td>Mr. Jigish Arvind Ruparelia</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>SUBJECT</td>
<td>NAME OF ENDOWMENT PRIZE</td>
<td>Criteria for selection</td>
<td>STUDENT NAME</td>
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<tr>
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<td>----------------------------------</td>
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<td>----------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>1</td>
<td>M.Sc. Medical Biochemistry</td>
<td>Satya Bhama Murali Endowment Prize</td>
<td>M.Sc. student who secures highest mark in all notified test for IA in the subject of M.Sc. Medical Biochemistry.</td>
<td>Ms. Sithara Thomas</td>
</tr>
<tr>
<td>2</td>
<td>Best outgoing B.Sc. (MLT) student</td>
<td>Institute</td>
<td>Based on the aggregate of total in all the annual Exam marks from first to final semester without any failure</td>
<td>Ms. T Subulakshmi</td>
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### POST GRADUATES

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>SUBJECT</th>
<th>NAME OF ENDOWMENT PRIZE</th>
<th>Criteria for selection</th>
<th>STUDENT NAME</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Medicine</td>
<td>Thaiyal Nayaki Gold Medal</td>
<td>The prize is awarded to best PG Thesis in MD (General Medicine)</td>
<td>Dr. Maya G</td>
</tr>
<tr>
<td>2</td>
<td>MD General Medicine</td>
<td>Dr.S.C.Mitra and Mrs.Geetha Mitra Endowment Prize</td>
<td>Scoring highest mark in the annual Examination in MD General Medicine</td>
<td>Dr. Arunkumar S</td>
</tr>
<tr>
<td>3</td>
<td>MD Paediatrics</td>
<td>Dr.Balakrishnan Prize</td>
<td>Scoring highest mark in the annual Examination in MD Paediatrics</td>
<td>Dr. Banupriya B</td>
</tr>
<tr>
<td>4</td>
<td>Obstetrics and Gynecology</td>
<td>Dr. A.V.Umachigui Memorial Gold Medal</td>
<td>The student who secures First rank in IA, plus a pass in MD in first attempt in the subject of Obst. &amp; Gynae.</td>
<td>Dr. Maya S</td>
</tr>
<tr>
<td>5</td>
<td>Anesthesiology</td>
<td>Dr.Sunitha Shorey Memorial Gold Medal</td>
<td>The award is based on a Single notified prize exam, clinical and theory in the subject of Anesthesiology.</td>
<td>Dr. Manish S</td>
</tr>
<tr>
<td>6</td>
<td>Dermatology and STD</td>
<td>Indian Association of Dermatologists and Venereologists &amp; Leprologists Medal (IADVL)</td>
<td>PG student who secures First rank in Final MD.</td>
<td>Dr. Deepthi Konda</td>
</tr>
<tr>
<td>7</td>
<td>Biochemistry</td>
<td>K.Chudiwala Endowment prize</td>
<td>The student who secures highest mark in all the notified IA tests in the subject of Biochemistry.</td>
<td>Dr. Balasubramanian A</td>
</tr>
<tr>
<td></td>
<td>MS General Surgery</td>
<td>A) Dr. S.C.Mitra and Mrs. Geetha Mitra Endowment Prize</td>
<td>Scoring highest mark in the annual Examination in MS General Surgery</td>
<td>Dr. Hemant Kumar Singh</td>
</tr>
<tr>
<td>---</td>
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<td>------------------------------------------------------</td>
<td>---------------------------------------------------------------</td>
<td>-----------------------</td>
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<tr>
<td></td>
<td>B) Prof. B.N. Balakrishna Rao</td>
<td>Scoring highest marks in internal assessment marks</td>
<td></td>
<td>Dr. Hemant Kumar Singh</td>
</tr>
<tr>
<td></td>
<td>Orthopedics</td>
<td>Dr. Vijay Kumar Endowment Prize</td>
<td>The Post graduate student who secures the highest marks or the first rank in the subject of Orthopedics in the annual Examination among JIPMER Students.</td>
<td>Dr. Gayadhar Behera</td>
</tr>
<tr>
<td>10</td>
<td>Ophthalmology</td>
<td>a) XVIII Madras Ophthalmologic Conference Medal and Mr. K.S.V. Sivaram</td>
<td>PG student who secures First Rank in the University examination. Best PG student in Ophthalmology (to be judged by conducting an examination by the department)</td>
<td>Dr. Greeshma M G Dr. Rouksana E</td>
</tr>
<tr>
<td></td>
<td>CTVS</td>
<td>Dr. P S Narayanan Memorial Prize</td>
<td>The award is based in the performance in University examination, not awarded every year unless a standard is reached and recommended by the examiners</td>
<td>NIL</td>
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<tr>
<td></td>
<td>Neurology</td>
<td>Dr. S. Chandrasekar Endowment Prize</td>
<td>Based on a single common Exam. Theory final year PG Residents in the Dept. of Medicine, Paediatrics, Psychology, Surgery and Anaesthesiology.</td>
<td>Dr. Mritunjai Kumar</td>
</tr>
<tr>
<td>13</td>
<td>Surgery</td>
<td>JIPMER Alumni Association Dr. S.B. Sen Memorial Prize</td>
<td>Best Post Graduate in Surgery</td>
<td>Dr. Hemant Kumar Singh</td>
</tr>
</tbody>
</table>
### Pathology
- **JIPMER Alumni Association Dr. D.J. Reddy Memorial Prize**
  - Best Post Graduate in Pathology
  - Dr. Chitra C

### Pharmacology
- **Prof. M.N. Ghosh Gold Medal**
  - Outstanding performance in MD Pharmacology Course
  - Dr. Saranya V

### Cardiology
- **Dr. D.B. Bisht Endowment Prize – Prize in cardiology for PG’s in MD Medicine**
  - For the subject of Cardiology conducted by the department of medicine
  - Dr. Arunkumar S

### Microbiology
- **Dr. Srirangam Sitharam Shreeram Memorial Fund**
  - PG student who secures first rank in annual examination in MD Microbiology
  - Dr. Shamanta D

### Biochemistry
- **Dr. Srirangam Sitharam Shreeram Memorial Fund**
  - PG student who secures first rank in University examination in MD Biochemistry
  - Dr. Balasubramanian A

### P&SM
- **Prof. R.K. Kar Best Postgraduate Resident in Community Medicine**
  - Best PG RESIDENT IN COMMUNITY MEDICINE
  - Dr. Archana R

### RESEARCH

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Subject</th>
<th>Name of Endowment Prize</th>
<th>Criteria for Selection</th>
<th>Selected Candidates</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Three Annual Institute Awards for Research</td>
<td>Dr. D.B. Bisht Endowment Prize</td>
<td>JIPMER SCIENTIFIC SOCIETY Prof. &amp; Head Associate Prof. Senior Resident</td>
<td>Dr. R.V. Roopesh Kumar Dr. Venkatesh Shankar Madhugiri Dr. D. Ram</td>
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## ENTRANCE EXAMINATIONS – DATES

<table>
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<tr>
<th>Course</th>
<th>Date</th>
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<tbody>
<tr>
<td>MBBS</td>
<td>08.06.2014</td>
</tr>
<tr>
<td>M.Ch. – CTVS/Neuro Surgery/Urology</td>
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<tr>
<td>DM – Cardiology/Neurology/Neonatology/Cl. Immunology/ Cl. Pharmacology</td>
<td>27.07.2014</td>
</tr>
<tr>
<td>Post Doctoral Fellowship/Ph.D/M.Sc – Medical Biochemistry/ MLT Microbiology, M.Sc Courses</td>
<td></td>
</tr>
<tr>
<td>B.Sc – Nursing/MLT/Dialysys Technology/Medical Radiation Technology/Operation Technology/Perfusion Technology</td>
<td></td>
</tr>
<tr>
<td>Post Graduare (MD/MS Courses)</td>
<td>23.02.2014</td>
</tr>
<tr>
<td>Post Basic Diploma in Nursing</td>
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</tr>
<tr>
<td>M.Sc Medical Physics</td>
<td>22.12.2013</td>
</tr>
</tbody>
</table>

## COMMITTEE MEMBERS FOR THE YEAR 2014-2015

### STANDING ACADEMIC COMMITTEE

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prof. Ramakrishna Ramaswamy, Vice-Chancellor, University of Hyderabad, Andhra Pradesh.</td>
<td>Chairman</td>
</tr>
<tr>
<td>2.</td>
<td>Hon’ble MP (RS)</td>
<td>Member</td>
</tr>
<tr>
<td>3.</td>
<td>Prof. (Dr.) Chandra Krishnamurthy, Vice-Chancellor Pondicherry University.</td>
<td>Member</td>
</tr>
<tr>
<td>4.</td>
<td>Prof. D. Shantharam, Vice-Chancellor, Tamil Nadu Dr. M.G.R. Medical University, Chennai.</td>
<td>Member</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. V. Mohan, Chairman &amp; Chief of Diabetology, Dr. Mohan’s Diabetes Specialities Centre, Chennai.</td>
<td>Member</td>
</tr>
<tr>
<td>6.</td>
<td>Dr. Sanjay Mehendale, Director, National Institute of Epidemiology (ICMR), Chennai.</td>
<td>Member</td>
</tr>
<tr>
<td>7.</td>
<td>Prof. (Dr.) K.L.N. Rao, Professor &amp; Head (Paediatric Surgery), PGIMER, Chandigarh.</td>
<td>Member</td>
</tr>
<tr>
<td>8.</td>
<td>Prof. (Dr.) K. Ponraj, Professor of Neurosurgery.</td>
<td>Member</td>
</tr>
<tr>
<td>9.</td>
<td>Dr. S. Mahadevan, Dean (Academic), JIPMER.</td>
<td>Member</td>
</tr>
<tr>
<td>10.</td>
<td>Dr. V.I. Mathan, Former Director, CMC, Vellore.</td>
<td>Member</td>
</tr>
<tr>
<td>11.</td>
<td>Dr. Ravi, Registrar, NIMHANS, Bangalore.</td>
<td>Member</td>
</tr>
<tr>
<td>12.</td>
<td>Dr. T.S. Ravikumar, Director, JIPMER.</td>
<td>Member-Secretary</td>
</tr>
</tbody>
</table>
EXAMINATION WING
OFFICE OF THE DEAN, JIPMER

Dr. S. VIVEKANANDAM
Professor of Examinations

K. MAHESH
Assistant Controller of Examinations (upto September 2014)

Background Information:

Examination wing is part of Academic Section till the year 2010. Since then the Examination Wing is separated from Academic Section and is functioning independently under Professor Examinations.

Examination Wing is not involved in the conduct of the Professional Entrance Examinations for both UG & PG and also B.Sc., Nursing and other courses. Except the entrance examinations all other examinations in JIPMER are conducted by the Examination Wing only.

The Examination Wing conducts Annual / Semester / Supplementary Professional Examinations for all the below courses during the month of January, March/June, July, August (Supplementary), October, November/December in every year:

Under Graduate Courses

- MBBS
- B.Sc., (Nursing)
- B.Sc., (MLT)
- BASLP
- B.Sc., (Allied Medical Courses)
  - Cardiac Laboratory Technology
  - Dialysis Technology
  - Radiotherapy Technology
  - Nuclear Medicine Technology
  - Neuro Technology
  - Operation theatre Technology
  - Perfusion Technology
  - Blood Transfusion Medicine Technology
  - Optometry and Ophthalmic Techniques
  - Anesthesia Technology
  - Medical Technology – Radiodiagnosis.
**Post Graduate Courses**

- **MD**
  - Anaesthesiology
  - Anatomy
  - Biochemistry
  - Community Medicine
  - Dermatology, Venereology & Leprosy
  - Forensic Medicine
  - General Medicine
  - Microbiology
  - Pathology
  - Paediatrics
  - Pharmacology
  - Physiology
  - Psychiatry
  - Radiodiagnosis
  - Radiotherapy
  - Pulmonary Medicine
  - Immunohematology & Blood Transfusion

- **MS**
  - Oto-Rhino-Laryngology
  - General Surgery
  - Ophthalmology
  - Orthopaedics
  - Obstetrics & Gynaecology

- **M.Sc., (Nursing)**
  - Medical Surgical Nursing
    - Cardio Vascular 7 Thoracic Nursing
    - Critical Care Nursing
  - Psychiatric Nursing
  - Community Health Nursing
  - Obstetrical & Gynecological Nursing
  - Paediatric Nursing

- **M.Sc., (Medical Biochemistry)**
- M.Sc., (Medical Physiology)
- M.Sc., (Medical Physics)
- M.Sc., (MLT) Microbiology
- M.Sc., (MLT) Cytopathology
- MPH (Master of Public Health)

**Super Specialty Courses**

- DM
  - Cardiology
  - Clinical Immunology
  - Clinical Pharmacology
  - Neonatology
  - Neurology
  - Clinical Haematology
  - Medical Oncology
  - Nephrology

- M.Ch
  - Cardio Vascular & Thoracic Surgery
  - Urology
  - Neuro Surgery
  - Surgical Gastroenterology
  - Plastic Surgery
  - Paediatric Surgery

- Doctor of Philosophy
  - Pharmacology
  - Pharmacology & Neurology
  - Paediatrics
  - Medical Physics
  - Medical Anatomy
  - Medical Physiology

- Post Doctoral Fellowship Courses
  - Diabetology
  - Pediatric Critical & Emergency Care
  - Tropical Parasitology
  - Critical Care (Anaesthesiology)
Cardiac Neuro Anesthesiology
- Post Basic Diploma in Nursing Courses
  - Operation Room Nursing
  - Critical Care Nursing
  - Cardio Thoracic Nursing
  - Oncology Nursing
  - Neonatal Nursing
- Medical Record Officer
- Medical Record Technician
- PGDPHM (Post Graduate Diploma in Public Health Management)

**Duties of Examination Wing**
- Pre Exam
- During Exam
- Post Exam

**Pre – Exam**
- Preparing Time Table (Theory & Practical)
- Collection of Data from various sources viz., Academic Section, Nursing College, Concerned Departments.
- Compiling and checking of all data received.
- Preparing List of Examiners for Question Paper Setting
- Contacting the Examiners for their Willingness / Acceptance
- Sending offer Letters with supporting documents
- Receiving Question Papers from Examiners and follow ups.
- Opening and filing of question papers
- Calling for question paper vetting
- Preparing List of Examiners (Internal & External) for practical Examinations
- Contacting the External Examiners over phone & E-Mail and informing the date of practical examinations and fixing them for the practical examination.
- Sending offer letters with supporting documents.
- Organizing all data to upload in SBI collect for online payment of examination fees and get approved from SBI competent Authority.
- Issuing examination applications to students (Approx. 700 application for each session).
- Collection of filled application along with online payment receipt from student and verified with the SBI collect statement.
- Organizing of application and preparing list as per courses and forwarding to academic section and nursing college.
Preparing statement of revenue and forwarding statement and challan to Finance Wing, JIPMER.
Preparing Attendance sheet for all courses.
Preparing packing slips for all courses.
Arranging accommodation for the external examiners in JIPMER Guest House.
Preparing packing covers of the answer sheets.
Entering the name of examiners who have conducted the practical examinations in the year wise practical examiners list.
Entering the name of the examiners who have sent the question paper in the year wise question paper setters list.
Giving the list of internal & external examiners for the valuation of theory papers and for remuneration to the concerned dealing assistant.

**During Examination**
- Exam Hall & Seating arrangements on the previous day of each examination.
- Conduct of Examination
- Posting staff for Invigilation of examinations
- Getting Signature from the Invigilators & candidates in the Attendance Sheet
- Packing and sealing of answer scripts and kept under the custody of Professor (Examinations).

**After Examinations:**
- The answer papers are bundled and brought to Examination Wing for Safe Custody.
- Same day afternoon dummy numbers are given for each answer book.
- The dummy number with original hall ticket number at the bottom quarter of the answer booklet will be torn and kept safely in separate cover and sealed.
- Answer books are distributed to examiners for valuation.
- During valuation - page totals are verified and any error found it will be corrected.
- After page total correction, the examiners will enter the marks in separate sheet with dummy numbers only.
- Next day the dummy number slips with original hall ticket number are stapled back to each answer book with matching the dummy numbers.
- The marks are entered in computer excel sheet against the hall ticket number.
- After entering the marks, complete printout is taken and marks are manually verified with each answer book by two persons.
- Later the practical & viva voice marks are entered.
- Again a manual verification and correction of any mistakes will be done in the excel sheet.
- Finally, the provisional result copy is generated and verified by Professor of Examinations.
- If any candidate is falls in the category for moderation, the case will be shown to Dean and after verification Dean will carry out the moderation.
Only after moderation is given, the final result copy will be generated.

After generating the final result copy:

- For UG courses a meeting of the result committee comprising of all the HOD’s of that particular year along with Dean and Professor Examination will be convened and after the result is verified by all the HOD’s the result sheet will be signed by the concerned HODs, Dean & Professor Examinations.

- Then the file will be sent for Director Signature for displaying in the notice board.

After Displaying the result:

- The exam wing has to prepare.
  - Provisional pass certificates
  - Statement of Marks
  - Consolidated Statement of Marks
  - Provisional Degree Certificates

The entire process is time bound.

From March 2015 (MD/MS) Professional Examination onwards

- Examinations Fees are collected through online mode (SBI Collect).
- Payment of honorarium, Travelling Allowance and Dearness Allowances to Internal & External Examiners are also made online transfer via bank account.

The entire process has to be repeated twice a year for each examiantions.

**QUESTION PAPERS**

**TO BE PREPARED FOR EACH EXAMINATION SESSION**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>COURSE NAME</th>
<th>NO. OF PAPERS</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>M.B.B.S.</td>
<td>24</td>
</tr>
<tr>
<td>2</td>
<td>B.Sc. (Nursing)</td>
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<tr>
<td>3</td>
<td>B.Sc. (MLT)</td>
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<td>B.Sc. (AMS)</td>
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<td>5</td>
<td>BASLP</td>
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<td>6</td>
<td>M.Sc. (Nursing)</td>
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<td>7</td>
<td>M.Sc. (Medical Biochemistry)</td>
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<td>M.Sc. (Medical Physics)</td>
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<td>M.Sc. (MLT) Microbiology</td>
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<td>Superspeciality</td>
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<td>MBBS</td>
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<td>MSC. MEDICAL BIOCHEMISTRY</td>
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| GRAND TOTAL                           | 1476       | 240          | 100               | 430               | 2246

- In addition to the above duplicate certificate will be issued as and when requested by the student after paying Rs.1000/- Per certificate.
- Marksheet for md/ms and superspeciality courses were issued as and when requested.
- From this year onwards marksheet will be issued to all md/ms/dm/mch students immediately after completing the course.

* Two Sessions in a Year *
STATISTICS OF THE EXAMINATION WING FOR THE YEAR 2014 – 2015
RESULT REPORT

MAY / JUNE 2014

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**MARCH 2014**

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Jawaharlal Institute of Postgraduate Medical Education and Research
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Jawaharlal Institute of Postgraduate Medical Education and Research
DIVISION OF RESEARCH, JIPMER

Director : Dr. T.S. Ravi Kumar (Till 11.03.2015)
           Dr. S.C. Parija (From 12.03.2015 till date)

Dean Research : Dr. S.C. Parija

A New era for research has begun after JIPMER was declared as an Institution of National Importance (an autonomous body) under the Ministry of Health and Family Welfare, Government of India in 2008.

The previous structure has been redesigned for rapid turnaround and critical review of research projects. An exclusive division for research headed by Dean (Research) has been formed along with various committees that support and facilitate good research practices. The funds allocated for research has been increased considerably. As research is the key to excellence in academic medicine, JIPMER inculcates the attitude of inquiry, acquisition of knowledge and the conduct of research in faculty and students. The office of the Dean of Research, is striving to focus on applied research, development and training across all disciplines on the JIPMER and complements existing JIPMER strengths in basic research and outreach.

JIPMER RESEARCH MISSION

To utilize the intellectual, scientific and administrative resources of the JIPMER for the generation and dis-semination of new knowledge to understand the basis of various diseases and improve diagnostic and therapeutic modalities.

JIPMER RESEARCH VALUES

The students, faculty and staff and their dreams, ambitions and talents are the Institute’s most treasured assets.

All disciplines of scholarly endeavor are valued Contributors to research and innovation.

Integrity, ethical conduct, and mutual respect are uncompromising principles by which research and innovation is being pursued.

Unencumbered exchange and debate of competing ideas and perspectives expands understanding, facilities innovation and ultimately leads to excellence.

Intradisciplinary and interdisciplinary collaboration among individuals involving scholars across multiple departments, institutions and organizations is treasured as a means for performing research and innovation.

Education and Research are inextricably intertwined and together represent the foundation of knowledge upon which the Institute’s endeavor for unsurpassable patient care rests.

The faculty of JIPMER publish a substantial number of research papers every year. The number of publications is one of the metrics by which research can be quantified and the increase in the number indicates the positive trend. Last year, JIPMER researchers published over 450 articles in journals. The total number of research projects has more than doubled in the last three years.
The institute has sanctioned about one crore rupees to junior researchers for carrying out research projects in their area of interest and the intramural grants for junior researchers have been progressively increased in recent years. This was done in order to leverage extramural grants. This policy has paid off and senior researchers in JIPMER have brought in nearly thirty crore rupees as grants for research.

**Intramural research grants 2011-2015**

JIPMER has well equipped laboratories and a considerable portion of yearly budget is allocated for the purchase of equipment and maintenance of the same. These laboratories are used not only for research but also for diagnostic tests to support the clinical decisions of physicians. Undergraduate and postgraduate students including doctoral students conduct research under the supervision of faculty members. A sizeable number of undergraduate students get research studentship grants from ICMR annually. Many students attend national and international conferences in India and abroad and bring laurels to the institute by winning prizes for their research presentations. In order to inculcate
sound research practices and develop ethical attitudes to research, JIPMER conducts regular training sessions in research methodology including sessions in ethics, biostatistics and scientific writing for students and faculty members. Some of its faculty members are invited by colleges all over India to train their faculty members and students in research.

**Workshop on Epidemiology**

As part of Workshop Series for Capacity Building in Research for faculty and PhD candidates, “Orientation Workshops on Epidemiology” was held for newly joined faculty in two batches in May and June 2014. About 80 faculty from JIPMER attended these orientation workshops. In continuation to that, an orientation workshop was held for PhD candidates on 23rd and 24th July 2014 at Mini Auditorium, 4th Floor, JAC. The workshop was inaugurated by Dr SC Parija, Dean Research. The Session was attended by 53 PhD scholars from various departments.

**Workshop on Clinical Research Methodology**

Dean, Research and Department of Anaesthesiology & CC, JIPMER, jointly organized two orientation work-shops on clinical research methodology, for the young faculty in JIPMER. It was conducted on 27th July 2014 and 10th November 2014 at the Academic Block, JIPMER. Dr. S.C. Parija, Dean (Research), inaugurated the work shop and delivered the inaugural speech. Dr Anusha Cherian, Assistant Professor, Department of Anaesthesiology & CC coordinated the workshop under the leadership of Dr Pankaj Kundra, Head of Department of Anaesthesiology & CC, JIPMER. Nearly 29 young faculty in JIPMER were benefited by the orientation workshop on clinical research.

**Workshop on Animal and Lab Experimentation**

The Research Division of JIPMER in collaboration with Department of Physiology organized two Workshops on Animal and Lab Experimentation for newly joined Assistant Professors and other faculty members of JIPMER, on 30th June (Monday), 2014, and on 31st July (Thursday), 2014.. The workshops were inaugurated by Dr. S. C. Parija, Dean (Research). In his inaugural address Dr. Parija emphasized the importance and need of animal research in clinical medicine and for building research career of faculty members. Dr. G. K. Pal, Professor and Head of Physiology Department was the programme coordinator for the workshops.

**Workshop on Research Grant Proposal Writing**

The office of the Dean Research, in coordination with the Department of Paediatrics organized a workshop on Research Grant Proposal writing, for one batch of JIPMER faculty on 10th and 11th October, 2014; in the NTTTC Hall, JIPMER The same workshop was conducted for the second batch of JIPMER faculty on 24th and 25th October, 2014.

**Workshop on Book Writing**

JIPMER research and JIPMER scientific Society held a “workshop on book writing” on the 7th November 2014. It was attended by 75 delegates and industry members (Ms Springer and Jaypee Publishers).
Research Committees

The following committees have been functional to monitor research activities being carried out by faculty, residents PhD scholars and both postgraduate and undergraduate students.

1. JIPMER Scientific Advisory Committee (JSAC)
2. Institutional Committee for Stem Cell Research & Therapy (IC-SCRT)
3. Institute Ethics Committee (Human Studies)
4. JIPMER Institute Animal Ethics Committee(JIAEC)
5. Institutional Bio-Safety Committee(IBSC)
6. JIPMER Sponsored Clinical Trial Research Committee
7. PhD Research Monitoring Committee
8. Postgraduate Research Monitoring Committee (PGRMC)
9. Undergraduate Research Monitoring Committee (JUGRMC)
Innovations towards Alternatives to Use of Animals — JIPMER Leads the Way
Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) has been promoting research activities in medical sciences since its inception. With upgradation of JIPMER as an “Institution of National Importance” and consequent increase in faculty members and postgraduate and postdoctoral students and increased availability of funds there has been a significant and continuing increase in research activity at all levels. The JIPMER Scientific Advisory Committee (JSAC) was constituted in 2009 by inclusion of external experts to replace the JIPMER Institute Research Council. The purpose of JIPMER Scientific Advisory Committee (JSAC) is to increase the quality of research which is undertaken in JIPMER.

**Composition**

**JIPMER Scientific Advisory Committee**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Name and Designation</th>
<th>Position in Committee</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. T.S. Ravikumar, Director, JIPMER (Till 11.03.2015) Dr. Subhash Chandra Parija, Director, JIPMER (From 11.03.2015)</td>
<td>Chairperson</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Subhash Chandra Parija, Dean (Research), JIPMER</td>
<td>Vice-Chairperson</td>
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<tr>
<td>3</td>
<td>Dr. Santosh Kumar, Professor, Urology, JIPMER</td>
<td>Member Secretary</td>
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<tr>
<td>4</td>
<td>Dr. C. Adithan, Professor &amp; Head, Clinical Pharmacology, JIPMER</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Ajit Sahai, Professor &amp; Head, Biometrics &amp; Medical Informatics, JIPMER</td>
<td>Member</td>
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</tbody>
</table>
Dr. Gautam Roy, Professor & Head, Community Medicine, JIPMER  
Dr. D. M. Thappa, Professor, Dermatology & STD, JIPMER  
Dr. R. Raveendran, Professor, Pharmacology, JIPMER  
Dr. G. K. Pal, Professor, Physiology, JIPMER  
Dr. P. Jambulingam, Director, VCRC, Puducherry  
Dr. Jayaprakash Muliyil, Former Professor, Community Medicine, CMC, Vellore  
Dr. Hannah Rachel Vasanthi, Associate Professor, Biotechnology, Pondicherry University  
Two Special Invitees [As per the requirements of proposals, subject experts from the JIPMER will be invited]

### Activities

The following meetings of the JIPMER Scientific Advisory Committee (JSAC) were held.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Date and Meeting</th>
<th>No. of Proposals Received</th>
<th>No. of Proposals Discussed</th>
<th>No. of Proposals to be Resubmitted</th>
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JIPMER Scientific Advisory Committee-Internal Committee (JSAC-IC)

FUNCTIONS: JIPMER Scientific Advisory Committee-Internal Committee performs follow up activities on JSAC recommendations and also considers minor modifications in research proposals for approval. JSAC-IC consists of internal members of JSAC and is chaired by Vice-Chairperson of JSAC.

Composition

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<td>1</td>
<td>Dr. Subhash Chandra Parija, Dean (Research), JIPMER</td>
<td>Chairperson</td>
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<td>Dr. Santosh Kumar. Professor, Urology, JIPMER</td>
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<td>Dr. C. Adithan. Professor &amp; Head, Clinical Pharmacology, JIPMER</td>
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<td>Dr. D. M. Thappa. Professor, Dermatology &amp; STD, JIPMER</td>
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<td>Dr. R. Raveendran, Professor, Pharmacology, JIPMER</td>
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<td>Dr. G. K. Pal, Professor, Physiology, JIPMER</td>
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ACTIVITIES: The following meetings of the JIPMER Scientific Advisory Committee-Internal Committee (JSAC-IC) were held.

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JIPMER SCIENTIFIC ADVISORY SUB-COMMITTEE (JSASC)

In view of large number of proposals received by JIPMER Scientific Advisory Committee (JSAC), it was felt by the members of JSAC to form a subcommittee to discuss the proposals that are of lesser magnitude, so that the proposals to be discussed in the full JSAC will be less in number and more focused. Also, the frequency of meeting of JSAC will be less, as external members participate in it. Therefore, a meeting of JSAC was convened on 22nd October (Tuesday) under the chairmanship of Dr. S. C. Parija, Dean (Research) to form the guidelines for categorizing proposals to be considered by full JSAC and by the Sub-Committee of JSAC.

Following are the members of JIPMER Scientific Advisory Sub-Committee:

Chairman : Dr. S. C. Parija, Dean (Research)
Member Secretary : Dr. G. K. Pal, Prof. and Head, Dept. of Physiology
Members : 1. Dr. Santosh Kumar, Professor, Dept. of Urology
          2. Dr. Ajit Sahai, Prof. and Head, Dept. of Biometrics
          3. Dr. R. Raveendran, Professor of Pharmacology
          4. Dr. D. M. Thappa, Professor of Dermatology
          5. Dr. Gautam Roy, Prof. and Head, Dept. of PSM

Criteria for proposals to be considered by JSASC:

The proposals to be submitted for consideration by JIPMER Scientific Advisory Sub-Committee should fulfill the following criteria:

1. Proposals that are not meant to be submitted for external funding
2. All proposals that do not require any funding
3. Institute faculty proposals that require Intramural Funding less than two lakhs
4. Faculty research proposals, requiring fund less than 2 lakhs
5. Proposals that are not multi-centric studies
6. Proposals having study period of one year or less
7. Proposals having sample size 100 or less

Guidelines of JSASC:

1. The committee meets 5 times a year (January, March, July, September and November) in a year to clear the research proposals.
2. Meetings are held under the supervision and guidance of Chairman of the committee, Dr. S. C. Parija, Dean (Research).
3. The committee invites for proposals in the first week of months (January, March, July, September and November).

4. Usually meetings are held in the last week of the months mentioned above.

5. Subcommittee scrutinizes proposals and makes every attempt to improve the proposal. However the proposals that are not up to the standard are usually rejected. Following finalization, the communication is made to the principal investigator about the approval or rejection of proposal. A certificate of approval is given to all the approved projects.

Meetings from April 2014

Fourth Meeting for the year 2014:

The Fourth Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2014 was held in the Chamber of Dean (Research), Administrative Block, 1st floor, JIPMER, on 18th September, 2014 at 10.00 AM, under the Chairmanship of Dr. S. C. Parija, Dean (Research), JIPMER.

Two proposals were presented and discussed

- Proposals approved : 1
- Proposals to be resubmitted : 1

Fifth Meeting for the year 2014:

The Fifth Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2014 was held in the Chamber of Dean (Research), Administrative Block, 1st floor, JIPMER, on 13th November, 2014 at 10.00 AM, under the Chairmanship of Dr. S. C. Parija, Dean (Research), JIPMER.

Six proposals were submitted and five proposals were presented and discussed.

- Proposals Approved : 1
- Proposals reviewed and approved : 4
- Proposal not presented (PI was absent) : 1

Meetings for the year 2015 (January to May):

First Meeting:

The First Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2015 was held in the Chamber of Dean (Research), Administrative Block, 1st floor, JIPMER, on 16th January, 2015 at 10.00 AM, under the Chairmanship of Dr. S. C. Parija, Dean (Research), JIPMER.

Four proposals were presented, details given below.

- Proposals approved : 1
- Proposals to be resubmitted : 1
- Proposals to be submitted to full JSAC : 2

Second Meeting:

The Second Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2015 was held in the Board Room, Administrative Block, 3rd floor, JIPMER, on 16th April, 2015 at 09.30 AM, under the Chairmanship of Dr. S. C. Parija, Director & Dean (Research), JIPMER.

Six proposals were presented and discussed; all the proposals were approved with modifications.
Third Meeting:

The third Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2015 was held in the Chamber of Dean (Research), 1st floor, Administrative Block, JIPMER, on 14th May, 2015 at 09.30 AM, under the Chairmanship of Dr. S. C. Parija, Director & Dean (Research), JIPMER.

Two proposals were presented and approved with modifications.
INSTITUTE ETHICS COMMITTEE  
(HUMAN STUDIES)

Faculty list:

CHIEF JUDGE (RETD.),
GOVT. OF PONDICHERRY AND CHAIRMAN : Mr. E.V. Kumar

SENIOR PROFESSOR AND
MEMBER SECRETARY : Dr. T.K. Dutta

Introduction

JIPMER, a super specialty institute, promotes clinical research in areas of national and local health problems. The JIPMER faculty, research scholars, post doctoral and post graduate students conduct several research projects involving patients as well as healthy volunteers. JIPMER being an “Institution of National Importance” has plenty of biomedical research projects involving various ethical issues which need to be addressed. The Institute Ethics Committee (Human Studies) of JIPMER plays a vital role in guiding researchers to carry out research in an ethical manner.

Functions

The major responsibility of ethics committee is to protect the rights, safety and well being of the research participants. The Institute Ethics Committee (Human Studies) conducts regular meetings for reviewing the research proposals and gives suggestions to the investigators to make their research ethically sound before approving them. All research projects conducted in humans require the approval of the ethics committee before starting their study. The committee takes measures to facilitate the IEC members as well as investigators to be familiar with latest amendments in regulatory and ethical guidelines through conduct of orientation programs and workshops.

Composition

As per ICMR guidelines 2006, the Institute Ethics Committee was reconstituted on 11.10.2011 and after 3 years the committee was modified on 01-07-14 and the members of the reconstituted ethics committee are:

Institute Ethics Committee (Human studies), JIPMER, Pondicherry

(Registration number: ECR/687/JIPMER/Inst/PY/2013 dated 23 May 2013)

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name &amp; Designation</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. E.V. Kumar, Chief Judge (Retd.), Govt. of Pondicherry</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Dr. S.C. Parija, Dean (Research), JIPMER, Puducherry</td>
<td>Vice-Chairman</td>
</tr>
<tr>
<td>3</td>
<td>Dr. T. K. Dutta, Senior Professor &amp; Head, Dept of Hematology, JIPMER, Puducherry</td>
<td>Member-Secretary</td>
</tr>
</tbody>
</table>
## Institute Ethics Sub-Committee (Human studies), JIPMER, Pondicherry

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name &amp; Designation</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Santosh Kumar, Senior Professor, Department of Urology, JIPMER, Pondicherry – 605 006</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Dr. T.K. Dutta, Senior Professor and Head, Department of Clinical Hematology, JIPMER, Pondicherry – 605 006</td>
<td>Member Secretary</td>
</tr>
</tbody>
</table>
Meetings conducted and research proposals reviewed by Institute Ethics Committee during 2014 - 15:

**Institute Ethics Committee**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date and Meeting</th>
<th>Number of Proposals Reviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>July 24, 2014</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>August 28, 2014</td>
<td>17</td>
</tr>
<tr>
<td>3</td>
<td>September 30, 2014</td>
<td>17</td>
</tr>
<tr>
<td>4</td>
<td>October 30, 2014</td>
<td>92</td>
</tr>
<tr>
<td>5</td>
<td>November 27, 2014</td>
<td>35</td>
</tr>
<tr>
<td>6</td>
<td>December 11, 2014</td>
<td>40</td>
</tr>
<tr>
<td>7</td>
<td>January 23, 2015</td>
<td>19</td>
</tr>
<tr>
<td>8</td>
<td>February 24, 2015</td>
<td>13</td>
</tr>
<tr>
<td>9</td>
<td>March 28, 2015</td>
<td>13</td>
</tr>
</tbody>
</table>

The meetings conducted and research proposals reviewed by the Institute Ethics Sub-Committee during 2014-15:

**Institute Ethics Sub-Committee**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date and Meeting</th>
<th>Number of Proposals Reviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>September 20, 2014</td>
<td>14</td>
</tr>
<tr>
<td>2</td>
<td>September 30, 2014</td>
<td>02</td>
</tr>
<tr>
<td>3</td>
<td>October 20, 2014</td>
<td>56</td>
</tr>
<tr>
<td>4</td>
<td>October 25, 2014</td>
<td>24</td>
</tr>
<tr>
<td>5</td>
<td>November 21, 2014</td>
<td>44</td>
</tr>
</tbody>
</table>
The revised formats for applying research proposals to the ethics committee, volunteer information sheet and consent forms are made available on JIPMER website (www.jipmer.edu) for the researchers. ICMR ethical guidelines for biomedical research on human participants (2006) is available at the website for the benefit of the researchers. To ensure smooth functioning of the Institute Ethics Committee a Standard Operating Procedure (SOP) prepared in June 2010 and revised in March 2013 is updated in the JIPMER website.

**Orientation and Workshop organized:**

Orientation program for faculty on submission of research proposals to IEC (Human Studies) was held on 19.01.2015.

ICMR sponsored workshop on “BIOETHICS” organised by Department of Clinical Pharmacology, JIPMER, Puducherry in association with IEC, JIPMER was held on 24.01.2015. This workshop was awarded by Tamil Nadu Medical council, Chennai – 2 Credit hours of Category 2 CME credits and JIPMER, Puducherry - 2 Credit hours and 10 credit points.
JIPMER INSTITUTIONAL ANIMAL ETHICS COMMITTEE (JIAEC)

Faculty list:

Director and Chairperson : Dr. Subhash Chandra Parija

Professor and Member Secretary : Dr. B.N. Harish

Introduction

JIPMER, being a teaching and research institution with many post-graduates and PhD scholars performing research on animals, the JIPMER Institutional Animal Ethics Committee (JIAEC) has been constituted to oversee and evaluate all aspects of the institution’s animal care and use program. The JIAEC provides assurance for humane procedures and care of live vertebrate animals in teaching and research as detailed in the Rule 13 of the Breeding of and experiments on Animals (Control and Supervision). Before research involving animal usage can be undertaken, the project will have to be reviewed and approved by the JIAEC.

Function

The functions of the JIPMER Institutional Animal Ethics Committee (JIAEC) are as follows:

- Review proposed use of animals in research and require any modifications necessary for approval, or withhold approval prior to use of animals
- Approve research involving animals which conform to the various guidelines for use of animals in research
- Review periodically the Institute’s animal facility
- Review and investigate legitimate concerns involving the care and use of animals during research
- Suspend the research activity which does not adhere to guidelines for use of animals in research and take corrective action
- Ensure that all personnel involved in animal care and use are appropriately qualified to perform their duties and conduct proposed activities

Composition

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name and Designation</th>
<th>Position in Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Subhash Chandra Parija, Director, JIPMER</td>
<td>Chairperson</td>
</tr>
<tr>
<td>2</td>
<td>Dr. L. K. Das, Deputy Director, Vector Control Research Centre (VCRC), Puducherry</td>
<td>Member</td>
</tr>
</tbody>
</table>
The following meetings of the JIPMER Institutional Animal Ethics Committee (JIAEC) were held.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Date and Meeting</th>
<th>No. of Proposals Received</th>
<th>No. of Proposals Discussed</th>
<th>No. of Proposals withdrawn</th>
<th>No. of Proposals Approved (including subject to modifications)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Twenty-first Meeting of JIPMER Institutional Animal Ethics Committee, held on 22.04.2014</td>
<td>5</td>
<td>4</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>Twenty-second Meeting of JIPMER Institutional Animal Ethics Committee, held on 31.01.2015</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>
JIPMER UNDERGRADUATE RESEARCH MONITORING COMMITTEE (UGRMC)

Introduction

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) has been promoting research activities in medical sciences since its inception. With upgradation of JIPMER as an “Institution of National Importance” and consequent increase in faculty members and undergraduate students across all streams there has been a significant and continuing increase in research activity at all levels. The UG Research Monitoring Committee (UGRMC) was constituted on 10th January 2014. The purpose of UG Research Monitoring Committee (UGRMC) is to increase the quality of undergraduate research, which is undertaken in JIPMER and encourage the students to publish it reputed journals.

Functions

The undergraduate research proposals generated at JIPMER need to have the approval of a scientific committee before being submitted for an ethics committee for consideration. Under this process, UG Research Monitoring Committee will perform mainly the function of consideration of undergraduate research proposals for quality improvement and approval. After the approval the proposals will be referred to JIPMER Ethics Committee for consideration.

UG Research Monitoring Committee has following terms of references (TOR):

- To facilitate UG students in learning to think in innovative and creative ways.
- To facilitate UG students in understanding the link between research and patient care.
- To facilitate UG students to use and understand the relevance of using statistical methods and tools required.
- To facilitate UG students to understand the importance of teamwork in conducting research.
- To facilitate UG students in developing communication skills to present their research findings in various scientific platforms.

Composition - UG Research Monitoring Committee (UGRMC):

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name and Designation</th>
<th>Qualifications</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. S.C. Parija, Director &amp; Dean (Research), JIPMER</td>
<td>M.D, Ph.D., D.Sc., FRCPath</td>
<td>Chairperson</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Vikram Kate, Professor of General &amp; Gastrointestinal Surgery, JIPMER</td>
<td>MS, FRCS (Eng.), FRCS (Ed.), FRCS (Glasg.), Ph.D (Surg. Gastro.), FACS, FACG, MFSTEd.</td>
<td>Member Secretary</td>
</tr>
</tbody>
</table>
Dr. R. P. Swaminathan, Professor and Head, Department of Medicine, JIPMER

Mrs. M.J. Kumari, Principal, College of Nursing, JIPMER

Dr. M. G. Sridhar, Professor & Head, Department of Biochemistry, JIPMER

Dr. L.N. Dorairajan, Professor & Head, Department of Urology, JIPMER

Dr. R. Raveendran, Professor of Pharmacology, JIPMER,

Dr. Latha Chaturvedula, Professor of Obstetrics & Gynecology, JIPMER

Dr. Sonali Sarkar, Associate Professor of Community Medicine, JIPMER,

Dr. N. G. Rajesh, Associate Professor of Pathology, JIPMER,

Mr. K.T. Harichandrakumar, Lecturer in Statistics & Demography, Department of Medical Biometrics and Informatics

Dr. Gomathi Shankar.V, Assistant Professor of Surgery, JIPMER

Activities- Meetings of the UGRMC:

The meetings of Undergraduate Research Monitoring Committee were conducted at the following dates:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date and meeting</th>
<th>No. of proposals reviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Meeting of the JIPMER Undergraduate Research Monitoring Committee meeting was held on 14th October 2014 for approval of Undergraduate MBBS Students proposals for the GJ-STRAUS</td>
<td>16</td>
</tr>
<tr>
<td>2</td>
<td>Meeting of the JIPMER Undergraduate Research Monitoring Committee Meeting was held on 22nd and 23rd January 2015 for the Approval of undergraduate MBBS students ICMR – STS Projects for 2015</td>
<td>59</td>
</tr>
</tbody>
</table>

New programs launched:

1. Golden Jubilee - Short Term Research Award for Undergraduates (GJ-STRAUS)
2. Research Mentorship Program for Undergraduates (RMPU)
Golden Jubilee - Short Term Research Award for Undergraduates (GJ-STRAUS):

JIPMER in its year of Golden Jubilee year instituted the JIPMER - *Golden Jubilee Short-Term Research Award for Undergraduate Students (GJ–STRAUS)*.

The aim of this Short-Term Studentship Award was to promote research interest among undergraduate students and to stimulate them to undertake Research Projects during their undergraduate degree course.

The students desiring to pursue this programme require to submit the research protocol and apply for the award under the guidance of a faculty member in JIPMER for approval by the Undergraduate Research Monitoring Committee (UGRMC).

The students with approved Project Reports will be awarded the *GJ-STRAUS Award* which will comprise *stipend of Rs. 10,000 and a GJ-STRAUS- certificate*.

A maximum of 25 awards have been instituted under GJ-STRAUS. Of the 25 awards, 4 are reserved for Nursing undergraduate students and 1 award for B.Sc. (MLT) students. The remaining 20 will be based on open competition for the MBBS, Nursing and the B.Sc. (MLT) students. In this session 16 students were selected to do the programme by the UGRMC.

Research Mentorship Program for Undergraduates (RMPU)

The aim of *Research Mentorship Program for Undergraduates* was to promote aptitudes for research among undergraduate students and to provide them with an opportunity to associate themselves with the Faculty –Mentors to undertake and collaborate with their mentors in various aspects of research. This program will provide them an opportunity to familiarize themselves with research methodology and be associated with a Faculty in their mutual area of interest. This will facilitate the students in undertaking independent projects and serve as an incentive for them to take up research as a career in the future.

At present, this program has been introduced for MBBS students pursuing their undergraduate course and later it will be extended to all the UG disciplines. Twenty four faculty who had applied for RMPU have been approved as faculty mentors under this program.
POSTGRADUATE RESEARCH
MONITORING COMMITTEE (PGRMC)

Faculty list:

- Director, Dean and Chairperson: SC Parija
- Professor and Member Secretary: DM Thappa

Introduction

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) has been promoting research activities in medical sciences since its inception. With upgradation of JIPMER as an “Institution of National Importance” and consequent increase in faculty members and postgraduate and postdoctoral students and increased availability of funds, there has been a significant and continuing increase in research activity at all levels. The PG Research Monitoring Committee (PGRMC) was reconstituted on 23rd November 2013. The purpose of PG Research Monitoring Committee (PGRMC) is to increase the quality of postgraduate research, which is undertaken in JIPMER and make it worth publication in indexed journals.

Functions

The postgraduate research proposals generated at JIPMER need to have the approval of a scientific committee before being submitted for an ethics committee for consideration. Under this process, PG Research Monitoring Committee (PGRMC) will perform mainly the function of consideration of postgraduate research proposals for quality improvement and approval. After the approval, the proposals will be referred to JIPMER Ethics Committee for consideration. Approved proposal will be considered for intramural funding if required.

PG Research Monitoring Committee (PGRMC) has the following terms of references (TOR):

1. To approve the project proposals of the dissertation submitted by PG students
2. To monitor and supervise timely completion of dissertation work by PG students
3. To assess the justification for allocation of intramural research funds for the dissertation works, if asked
4. To discuss and implement, if at least one publication in indexed journal and one presentation in a national conference can be made mandatory for appearing for final PG examination
5. To create awareness regarding research methodology, ethical issues, bio safety practices, and other supporting information to pursue their MD/MS

Composition-PG Research Monitoring Committee (PGRMC):

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name and Designation</th>
<th>Qualifications</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. S.C. Parija, Director and Dean(Research), JIPMER</td>
<td>M.D., Ph.D., D.Sc., FRCPath</td>
<td>Chairperson</td>
</tr>
</tbody>
</table>
Activities

The meetings of Postgraduate Research Monitoring Committee were conducted at the following dates

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date and meeting</th>
<th>No. of proposals reviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5th meeting of PGMRC-MD/MS/MSc proposals-18th to 27th August 2014</td>
<td>158</td>
</tr>
<tr>
<td>2</td>
<td>6th meeting of PGMRC-MD/MS/MSc proposals-Resubmissions - 7th October 2014</td>
<td>24</td>
</tr>
<tr>
<td>3</td>
<td>7th meeting of PGMRC-MPH/PGDPHM proposals - 13th October 2014</td>
<td>23</td>
</tr>
<tr>
<td>4</td>
<td>8th meeting of PGMRC- DM/MCh/Fellowship proposals - 23rd and 24th October 2014</td>
<td>27</td>
</tr>
<tr>
<td>5</td>
<td>9th meeting of PGMRC- DM/MCh/Fellowship-New and resubmissions- 18th November 2014</td>
<td>23</td>
</tr>
<tr>
<td>6</td>
<td>1st meeting of PGRMC- MSc NURSING proposals - 11th February 2015</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>2nd meeting of PGRMC-MD/MS/MSc proposals - 23rd to 27th March 2015</td>
<td>92</td>
</tr>
</tbody>
</table>
Ph.D / DOCTORAL RESEARCH MONITORING COMMITTEE

Introduction

JIPMER offers Ph.D. programme in various disciplines. The Ph.D / Doctoral Research Monitoring Committee is exclusively intended to monitor Ph.D. research projects at JIPMER. Dean Research is the head of this committee. The committee meets once in six months or as needed to critically evaluate all the candidates’ progress. Upon recommendation of the Doctoral committee candidates are allowed to continue the Ph.D. project. In the event of an unfavorable recommendation, a review is constituted and decision is taken, if necessary. The members of Ph.D / Doctoral Research Monitoring Committee evaluate the Ph.D. programme in various departments of the Institute during its meeting and assist the Dean Research in resolving any issues that may occur in the implementation of the rules and regulations related to the respective programmes at JIPMER.

Functions

The major responsibilities of Ph.D / Doctoral Research Monitoring Committee are

1. To approve the constitution of Doctoral Committees (DC) of each Ph.D. student suggested by the guides.
2. To monitor the progress of Ph.D. research carried out by Ph.D. scholars by reviewing their reports of Doctoral Committee.
3. To review and approve the panel of internal and external examiners suggested by DC for valuation of Synopsis and Thesis of Ph.D. students.
4. To ensure timely conduction of Pre-Ph.D. examination to be convened by respective guides.
5. To facilitate the completion of research projects by providing suitable ambience in the Institute as well as outside the Institute to carry part of their work if need arises provided this is mentioned and approved in their study protocol by the Doctoral Committee.
6. To facilitate presentation of their scholarly work in the proper scientific forum, workshops, conferences, etc.
7. To create awareness regarding research methodology, ethical issues, biosafety practices, funding opportunities and other supporting information to pursue their Ph.D.
8. To promote ethical, scientific and professional standards.
9. To facilitate publication of their scholarly work in Professional journals of high impact and to promote their writing acumen.

Composition

The Ph.D / Doctoral Research Monitoring Committee members are:
<table>
<thead>
<tr>
<th>No.</th>
<th>Name &amp; Address</th>
<th>Qualifications</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. S.C Parija, Dean(Research), JIPMER</td>
<td>M.D., Ph.D., D.Sc., FRCPath</td>
<td>Chairperson</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Vishnu Bhatt, Professor &amp; Head, Department of Neonatology, JIPMER</td>
<td>M.D</td>
<td>Member</td>
</tr>
<tr>
<td>3</td>
<td>Dr. B. Gitanjali, Professor &amp; Head, Department of Medical Education, JIPMER</td>
<td>M.D., Ph.D.</td>
<td>Member</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Vikram Kate, Professor, Department of Surgery, JIPMER</td>
<td>MS, FRCS (Eng.), FRCS (Ed.), FRCS (Glasg.), Ph.D (Surg. Gastro.), FACS, FACG.</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Soundravally.R, Associate Professor, Department of Biochemistry, JIPMER</td>
<td>M.D</td>
<td>Member</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Roopesh Kumar, Additional Prof. &amp; Head, Dept. of Neurosurgery, JIPMER</td>
<td>M.S, MCh</td>
<td>Member</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Jharna Mandal, Associate Prof. of Microbiology, JIPMER</td>
<td>M.D</td>
<td>Member-Secretary</td>
</tr>
</tbody>
</table>

Number of candidates pursuing Full Time PhD Programme in the Institute (2014-2015):

<table>
<thead>
<tr>
<th>Department</th>
<th>I year (Registered in 2014)</th>
<th>II year (Registered in 2013)</th>
<th>III year (Registered in 2012)</th>
<th>IV year (Registered in 2011)</th>
<th>V year (Registered in 2010)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Immunology</td>
<td>Nil</td>
<td>2</td>
<td>Nil</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Microbiology</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Paediatrics</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pathology</td>
<td>3</td>
<td>Nil</td>
<td>1</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Physiology</td>
<td>1</td>
<td>Nil</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Medical Physics</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Medicine</td>
<td>Nil</td>
<td>Nil</td>
<td>1</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Part-time PhD Candidates Enrolled last year = NIL

PhD Candidates who have submitted their Synopsis/Thesis last year: 10
PhD Monitoring Committee Activities:

Committee was formulated in the month of November 2013 and conducted a series of meetings details given below-

May 27, 2014 Seventh PhDRMC Meeting
July 15, 2014 Eight PhDRMC Meeting
August 08, 2014 Ninth PhDRMC Meeting
September 10, 2014 Tenth PhDRMC Meeting
October 09, 2014 Eleventh PhDRMC Meeting
October 31, 2014 Twelfth PhDRMC Meeting
November 14, 2014 Thirteenth PhDRMC Meeting
December 14, 2014 Fourteenth PhDRMC Meeting
January 29, 2015 Fifteenth PhDRMC Meeting
February 28, 2015 Sixteenth PhDRMC Meeting

PhD course guidelines are available on the JIPMER website (www.jipmer.edu).
INSTITUTIONAL BIO-SAFETY COMMITTEE (IBSC)

Institutional Bio-Safety Committee (IBSC) of JIPMER is a registered and accredited committee of Dept. of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India. As per guidelines of DBT, IBSC primarily streamlines and facilitates the research dealing with genetically modified organisms (GMOs), living modified organisms (LMOs) and recombinant-DNA (rDNA) materials.

In India, GMOs and products thereof are regulated as per the “Rules for the manufacture, use/import/export and storage of hazardous microorganisms/ genetically engineered organisms or cells, 1989” (commonly referred as Rules, 1989) notified by the Ministry of Environment and Forests (MoEF), Government of India under the Environment (Protection) Act (1986). These rules are implemented by MoEF, the Department of Biotechnology (DBT), Ministry of Science and Technology and the State Governments through the six competent authorities notified under the Rules which are as follows:

i. Recombinant DNA Advisory Committee (RDAC)
ii. Institutional Biosafety Committee (IBSC)
iii. Review Committee on Genetic Manipulation (RCGM)
iv. Genetic Engineering Appraisal Committee (GEAC)
v. State Biotechnology Coordination Committee (SBCC)
vi. District Level Committee (DLC).

While the RDAC has advisory in function, IBSC, RCGM, and GEAC are involved in regulatory functions. SBCC and DLC are responsible for monitoring the activities related to GMOs in state/district level. RDAC, RCGM and GEAC are constituted at the central level by DBT and MoEF. IBSCs at all organisations working in the area of GMOs, SBCC in all states and DLCs in districts, wherever necessary.

Following are the members of JIPMER Scientific Advisory Sub-Committee:

**Chairman**: Dr. S. C. Parija, Dean (Research) and Director
**Member Secretary**: Dr. G. K. Pal, Professor and Head, Dept. of Physiology

**DBT Nominee**: Dr. K. Srikumar, Professor & Head, Dept. of Biochemistry and Molecular Biology, Pondicherry University

**Biosafety officer**: Dr. Sarath Chandra Sistla, Professor, Dept. of Surgery, JIPMER

**External Experts:**

Dr. Lalit. K. Das, Scientist E, Vector Control Research Center (VCRC) Puducherry
Dr. J. Thanislass, Associate Professor, Dept. of Veterinary Biochemistry, Rajiv Gandhi Institute of Veterinary and Animal Sciences (RGIVAS)

Internal Members:

Dr. Bhawana Badhe, Professor and Head, Dept. of Pathology, JIPMER
Dr. Sujatha Sistla, Professor, Dept. of Microbiology, JIPMER
Dr. Zachariah Bobby, Professor, Dept. of Biochemistry, JIPMER
Dr. V. S. Negi, Professor and Head, Dept. of Clinical Immunology

Meetings for the year 2014

First meeting:

The First Meeting of JIPMER Institutional Biosafety Committee (IBSC) was held in the Seminar Room, Dept. of Physiology, JIPMER Academic Center, on 20th January at 3.00 PM, under the Chairmanship of Dr. S. C. Parija, Dean (Research), JIPMER

Two proposals were presented and discussed and approved

IBSC Workshop:

As per the operational requirements of Institutional Biosafety Committee (IBSC), under Department of Biotechnology, Govt. of India, the members of IBSC must receive mandatory training on rules pertaining to biosafety, recombinant DNA (rDNA) guidelines and related regulations and familiarise themselves with IBSC guidelines and institutional policies. As an initial step to achieve this, a half day workshop was organized under the auspices of Division of Research and Dept. of Physiology, JIPMER on “Biosafety in recombinant DNA research” on 21st August, 2014 at Mini Auditorium JIPMER Academic Center.

The primary objective of this workshop was to create awareness about the concept of Biosafety and evolving field of recombinant DNA (rDNA) research. The workshop was intended to cater to audience that included Ph. D scholars and junior faculty inclined to do research in this field apart from the target group comprising of members of JIPMER IBSC. Since this was one of a kind workshop hosted by JIPMER, experts in the field of biotechnology and rDNA research were invited as resource faculty to deliver lectures on biosafety related to rDNA research. Dr. T. S. Ravikumar, Director, JIPMER inaugurated the workshop. Dr. G. K. Pal, Professor and Head of Physiology and member-secretary, IBSC in his welcome address emphasized the importance of IBSC in a research institute. Dr. T. S. Ravikumar, Director in his inaugural address highlighted the importance of research in rDNA technology and emphasized the need of biosafety in research. Dr. S. C. Parija, Dean (Research) in the inaugural ceremony, spoke about the research initiatives taken by JIPMER in recent years. Scientific session started with Dr. S. C. Parija, Dean, Research and Chairperson JIPMER IBSC giving a lecture on basics of rDNA research and its scope and applications. Dr. G. K. Pal, member-secretary, IBSC, described the constitution and responsibilities of IBSC. Prof. Srikumar, Professor, Molecular Biology, Pondicherry University and DBT Nominee, JIPMER IBSC delivered a lecture on practical aspects of biosafety and its enforcement. Dr. Arunkumar’s talk on the role and responsibilities of Principal investigator in rDNA research pertaining to Biosafety procedures gave an orientation about responsibilities and the dos and donts in this area of research. Dr. P. Kaliraj, Dean, Centre for Biotechnology, Anna University who is a pioneer in the field of rDNA research, focused on the present scenario of rDNA research, its future perspective and the need to translate success in research to benefit the community. The workshop ended with a question and answer session in a common forum.
Second Meeting:

The Second Meeting of JIPMER Institutional Biosafety Committee (IBSC) was held in the Seminar Room, Dept. of Physiology, JIPMER Academic Center, on 21st August, 2014 at 12.30 PM, under the Chairmanship of Dr. S. C. Parija, Dean (Research), JIPMER.

Proposal for import of control strain of Influenza viruses from Influenza Reagent Resources (IRR) (established by CDC, USA) by Regional Influenza laboratory in the Department of Microbiology, JIPMER, for the purpose of detection and characterization of Influenza viruses isolated from patient samples was submitted by Dr. Sujatha, Professor of Microbiology, JIPMER. The proposal was approved subjected to the submission of IRR application and user agreement form for verification by the committee.

Meeting for the year 2015 (January to May):

First Meeting:

The First Meeting of JIPMER Institutional Biosafety Committee (IBSC) for the year 2015, was held in the Chamber of Dean (Research), 1st floor, Administrative Block, JIPMER, on 26th February at 11.00 AM, under the Chairmanship of Dr. S. C. Parija, Dean (Research), JIPMER.

One research proposal was presented and approved.
INSTITUTIONAL COMMITTEE FOR STEM CELL RESEARCH (IC-SCR)

Introduction

JIPMER promotes basic and clinical stem cell research. There has been a lot of research going on in this area around the world. Not to be left behind, JIPMER encourages faculty to do research in this area and a few research studies on stem cells have been initiated. Since stem cell research involves a number of ethical issues, an institutional committee for stem cell research (IC-SCR) was set up to scrutinize the scientific and ethical issues, approve the proposals and monitor the progress of ongoing work.

Functions

The major responsibility of IC-SCR is to protect human rights, dignity, and fundamental freedom on research on human subjects involving cells and tissues derived from human embryos and fetuses. This includes processes related to obtaining human tissues and cells for research, diagnosis and therapy. The fundamental tenets of beneficence, non-malfeasance, justice and autonomy should be adhered to in all research involving human subjects. To achieve these objectives, all research involving the use of stem cells must be guided by the general principles laid down in the “Ethical Guidelines for Biomedical Research on Human Participants” published in 2006 by the Indian Council of Medical Research (ICMR).

The committee also makes sure the area of research is permissible as per the guidelines for stem cell research issued by the ICMR.

The IC-SCR conducts meetings for reviewing the research proposals and gives suggestions to the investigators to make their research sound in both scientific and ethical aspects before approving them. All stem cell research projects whether basic (experimental in vivo and in vitro) or clinical (human) should get the approval of the IC-SCR before starting their study.

Composition

As per guidelines for stem cell research by DBT-ICMR, the IC-SCR was re-constituted on 21.04.2014 and the members of the constituted ethics committee are:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name &amp; address</th>
<th>Qualifications</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. T.S. Ravikumar, Director, JIPMER</td>
<td>MS, FACS, FRCS(C), FRCS(Ed)</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Dr. S.C. Parija, Dean (Research), JIPMER</td>
<td>M.D, Ph.D., D.Sc, FRCPATH</td>
<td>Vice-Chairman</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Vasantha Muthuswamy, Sr. Deputy Director General, ICMR (Retd), A, 101, Manchester Regent, Avinashi Road, P.N. Palayam, Coimbatore-37</td>
<td>M.D</td>
<td>Member</td>
</tr>
<tr>
<td>S. No.</td>
<td>Name and Qualification</td>
<td>Date and meeting</td>
<td>No. of proposals reviewed</td>
</tr>
<tr>
<td>-------</td>
<td>------------------------</td>
<td>------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>4</td>
<td>Dr. B. Sudhakar, Associate Professor, Department of Biotechnology School of Life Sciences, Pondicherry University</td>
<td>Ph.D.</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Sankar Venkatachalam, Assistant Professor &amp; Head-in-Charge, Dr. A. L. M. Postgraduate Institute of Basic Medical Sciences, Dept of Anatomy, University of Madras, tharamani Campus, Chennai 600113.</td>
<td>M.Sc., (Anatomy), Ph.D.</td>
<td>Member</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Anuradha Dhanasekaran, Assistant Professor, Center for Biotechnology, Anna University, Chennai 600 025</td>
<td>M.Phil., Ph.D.</td>
<td>Member</td>
</tr>
<tr>
<td>7</td>
<td>Dr. K. Chandrasekaran, ML, Associate Professor Dr. Ambedkar Govt. Law College, Kalapet, Puducherry</td>
<td>Ph.D.,</td>
<td>Member</td>
</tr>
<tr>
<td>8</td>
<td>Dr. K. Manikandan Associate Professor of Obs &amp; Gyn, JIPMER</td>
<td>M.D</td>
<td>Member</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Vir Singh Negi, Professor &amp; Head Division of Clinical Immunology, JIPMER</td>
<td>M.D, D.M</td>
<td>Member</td>
</tr>
<tr>
<td>10</td>
<td>Dr. NG. Rajesh, Assistant Professor of Pathology, JIPMER, Pondicherry – 605 006.</td>
<td>M.D</td>
<td>Member</td>
</tr>
<tr>
<td>11</td>
<td>Dr. Rajendra Kulkarni, Assistant Professor of Transfusion Medicine, JIPMER</td>
<td>M.D</td>
<td>Member</td>
</tr>
<tr>
<td>12</td>
<td>Dr. Zachariah Bobby, Professor of Biochemistry, JIPMER</td>
<td>M.Sc., Ph.D.</td>
<td>Member</td>
</tr>
<tr>
<td>13</td>
<td>Dr. R. Raveendran, Professor of Pharmacology, JIPMER</td>
<td>M.D, DNB</td>
<td>Member</td>
</tr>
</tbody>
</table>

Activities: The meetings of the Institutional Committee for Stem Cell Research & Therapy were conducted at the following dates:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date and meeting</th>
<th>No. of proposals reviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The second meeting of the ICSCR, JIPMER held on 21-04-2014</td>
<td>2</td>
</tr>
</tbody>
</table>
THE SPONSORED CLINICAL TRIAL RESEARCH COMMITTEE

All clinical trials where the investigator and / or the institution are required to execute a legally binding agreement with another institution or agency are studied by the Sponsored Clinical Trial Research Committee (SCTRC) and after approval the investigator then submits the proposal to the Institute Ethics Committee. Most of such studies are funded by private firms such as pharmaceutical industry and often these studies are governed by the provisions of Schedule ‘Y’ of the rules framed under the Drugs and Cosmetics Act.

The composition of Sponsored Clinical Trial Research Committee is as follows:
1. Dr. S.C Parija, Dean (Research) – Chairman
2. Dr. T.K. Dutta, Head, Department of Clinical Hematology and Member-Secretary of the IEC (Human Studies)
3. Dr. R.P. Swaminathan, Head, Department of Medicine
4. Dr. K. Srinivasan, Head, Department of Surgery
5. Dr. C. Adithan, Head, Department of Clinical Pharmacology
6. Dr. Ajit Sahai, Head, Department of Medical Biometrics and Informatics.
7. Mr. M. Krishna Rao, Law Officer, JIPMER
8. Dr. L.N. Dorairajan, Head, Department of Urology (Member- Secretary)

**Special invitees (Subject experts as needed)**

The SCTRC meeting is conducted every month on the second working Thursday of the month subject to proposals being submitted for its consideration. In the period of this report the Committee held seven meetings discussed 11 proposals, approved 3 proposals and requested more information on the remaining.

The significant recommendations made by the Committee that were approved by the Director for implementation include

1. A sitting fees of Rs. 25,000/- (Rupees twenty five thousand only) must be paid for considering each proposal.
2. A list of hospital charges for investigations general ward bed and diet that will be applicable to study participants in a sponsored clinical trial.

The Committee is in the process of revising the guidelines for submission and processing of such project proposals.
Administrative hierarchy

**Dr. J. Balachander**
Medical Superintendent

**Dr. Anita Rustagi**
Additional Medical Superintendent

**Dr. R. Kanagarethinam**
General Duty Medical Officer

Background Information

The Hospital Office is one of the main services in JIPMER with major activities of the office to provide all the information to the Departments/Ancillary Units and to implement the policy decision taken by the Ministry and the other Authorities to issue a circular for compliance as follows:

1. CPWD and HLL. Correspondence (Civil/electrical/A/C) in Hospital.
2. O.T. Correspondence.
3. Reply to the Public Grievances.
4. Matters related with H1N1 Swine Flu, etc.
5. Suggested guidelines for sponsoring Nursing Personnel.
6. Constitution of Medical Board (Students/Staff/Patients).
8. Conduct of Telephone Allotment Committee Meeting for allocation of Telephone Direct line/Intercom/Intercom with Zero facility connections.
10. Matter concerning to Theft of babies/abandon babies.
11. Matter concerning to Biomedical waste Management Programme.
12. Grant of Artificial appliances to staff members at free of cost.
13. Matters concerning to Association/Union matters.
15. Officiating arrangement to AMS/DMS/Medical Officers and posting of.
16. Officer In-Charge of Ancillary Services.
17. Matter concerning to Junior Residents (NPG/PG).
18. Issue of Disability certificate/Medical fitness certificates.
19 Matter concerning fumigation of OTs/ICUs/POWs.
20 Action on Fire Safety.
21 Action on Wellness Programme.

**NAME OF STAFF POST(S) AND NUMBER(S)**

**M.S. Office:**
1. Medical Superintendent - 1
2. Additional Medical Superintendent – 1
3. General Duty Medical Officer - 5
4. Personal Secretary to M.S.- 1
5. Peon – 1
6. Redeployed peon- 2

**Hospital Office**
1. Accounts Officer – Gr.II
2. Assistant Administrative Officer(H)
3. Office Superintendent -1
4. Accountant -1
5. Upper Division Clerk -2
6. L.D.C. -1
7. Redeployed LDC-2
8. Trainee- 2
9. M.T.S. - 1
10. Data Entry Operator- 1
11. Book Binder Gr.-I - 1
12. Peon -1

**Hospital Cash Section**
1. Assistant Cashier – 1
2. L.D.C.-2

**Service Provided:**

The Hospital Office is responsible for the general administration of the Hospital and ancillary units. The Medical Superintendent is the overall in-charge of Hospital and Ancillary Units. All the activities related to the public/patients is managed by this office under the guidance of the Medical Superintendent, Additional Medical superintendent. The details of the services carried out by this office are mentioned below:

JIPMER, acronym for Jawaharlal Institute Postgraduate of Medical Education and Research, an Institute of National Importance from the inception has been in the forefront in providing comprehensive health care services to the population of Pondicherry and adjoining north Tamil Nadu
districts. The growing attendance of the patients in the OPDs clearly indicates how much the general populaces utilize the services of the JIPMER hospital.

**HIGHLIGHTED INFORMATION FOR THE YEAR 2014 – 15**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Details</th>
<th>No. of Pts.,</th>
</tr>
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<tbody>
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<td>01</td>
<td>Total No. of Out Patients attendance</td>
<td>20,70,536</td>
</tr>
<tr>
<td>02</td>
<td>Total No. of Old Cases</td>
<td>15,14,861</td>
</tr>
<tr>
<td>03</td>
<td>Total No. of New Cases</td>
<td>5,55,675</td>
</tr>
<tr>
<td>04</td>
<td>Daily Average No. of Out Pt. attendance</td>
<td>7,019</td>
</tr>
<tr>
<td>05</td>
<td>Total No. of Out Pt. attendance in Casualties</td>
<td>2,86,255</td>
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<tr>
<td>06</td>
<td>Daily Average No. of Out Pt. attendance in casualties</td>
<td>784</td>
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<tr>
<td>07</td>
<td>No. of Out Pt. attendance in Main casualty</td>
<td>2,19,416</td>
</tr>
<tr>
<td>08</td>
<td>No. of Out Pt. attendance in O&amp;G casualty</td>
<td>25,788</td>
</tr>
<tr>
<td>09</td>
<td>No. of Out Pt. attendance in Paediatric casualty</td>
<td>41,051</td>
</tr>
<tr>
<td>10</td>
<td>Total No. of Admissions</td>
<td>83,780</td>
</tr>
<tr>
<td>11</td>
<td>Total No. of Discharges</td>
<td>80,449</td>
</tr>
<tr>
<td>12</td>
<td>Daily Average No. of occupied In Pt. attendance</td>
<td>1,685</td>
</tr>
<tr>
<td>13</td>
<td>Daily Average Bed Occupancy Rate</td>
<td>91 %</td>
</tr>
<tr>
<td>14</td>
<td>Total No. of Deliveries conducted</td>
<td>15,018</td>
</tr>
<tr>
<td>15</td>
<td>No. of Live Births</td>
<td>14,472</td>
</tr>
<tr>
<td>16</td>
<td>No. of Still Births</td>
<td>546</td>
</tr>
<tr>
<td>17</td>
<td>Total No. of Investigations</td>
<td>42,07,264</td>
</tr>
<tr>
<td>18</td>
<td>No. of Investigations in Bio chemistry</td>
<td>23,80,456</td>
</tr>
<tr>
<td>19</td>
<td>No. of Investigations in Microbiology</td>
<td>2,07,680</td>
</tr>
<tr>
<td>20</td>
<td>No. of Investigations in Pathology</td>
<td>4,13,823</td>
</tr>
<tr>
<td>21</td>
<td>No. of Investigations in Other departments</td>
<td>12,05,305</td>
</tr>
<tr>
<td>22</td>
<td>Total No. of Operations performed</td>
<td>43,278</td>
</tr>
<tr>
<td>23</td>
<td>Total No. of Death</td>
<td>3,267</td>
</tr>
<tr>
<td>24</td>
<td>No. of Death below 48 Hours</td>
<td>1,304</td>
</tr>
<tr>
<td>25</td>
<td>No. of Death above 48 Hours</td>
<td>1,963</td>
</tr>
<tr>
<td>26</td>
<td>Gross Death Rate</td>
<td>3.93 %</td>
</tr>
<tr>
<td>27</td>
<td>Net Death Rate</td>
<td>2.37 %</td>
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<tr>
<td>28</td>
<td>No. of MLC cases registered (In side)</td>
<td>5,187</td>
</tr>
<tr>
<td>29</td>
<td>No. of MLC cases referred from out side (Out side)</td>
<td>6,910</td>
</tr>
<tr>
<td>30</td>
<td>No. of Autopsies</td>
<td>898</td>
</tr>
<tr>
<td>31</td>
<td>No. of Medical Certificates issued</td>
<td>2,236</td>
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<tr>
<td>32</td>
<td>No. of Out Pt., attendance in R.H.C</td>
<td>21,118</td>
</tr>
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<td>33</td>
<td>No. of Out Pt., attendance in U.H.C.</td>
<td>22,879</td>
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<tr>
<td>34</td>
<td>No. of Out Pt., attendance in Out Reach Centre., KKL.</td>
<td>1,958</td>
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# BLOCK WISE OUT PATIENT ATTENDANCE FOR THE YEAR 2014 - 2015

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<tr>
<th>BLOCK &amp; SERVICE</th>
<th>NEW</th>
<th>OLD</th>
<th>TOTAL</th>
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</thead>
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<td>MAIN BLOCK :</td>
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<td></td>
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<tr>
<td>Main Services</td>
<td>2,11,200</td>
<td>5,05,156</td>
<td>7,16,356</td>
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<tr>
<td>Special Clinic</td>
<td>13,391</td>
<td>96,231</td>
<td>1,09,622</td>
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<tr>
<td>Total</td>
<td>2,24,591</td>
<td>6,01,387</td>
<td>8,25,978</td>
</tr>
<tr>
<td>S.S. BLOCK :</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main Services</td>
<td>37,913</td>
<td>2,50,571</td>
<td>2,88,484</td>
</tr>
<tr>
<td>Special Clinic</td>
<td>15,987</td>
<td>99,568</td>
<td>1,15,555</td>
</tr>
<tr>
<td>Total</td>
<td>53,900</td>
<td>3,50,139</td>
<td>4,04,039</td>
</tr>
<tr>
<td>JWCH BLOCK : OBST., &amp; GYN.,</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Main Services</td>
<td>40,585</td>
<td>80,544</td>
<td>1,21,129</td>
</tr>
<tr>
<td>Special Clinic</td>
<td>2,358</td>
<td>4,139</td>
<td>6,497</td>
</tr>
<tr>
<td>Casualty</td>
<td>7,622</td>
<td>18,166</td>
<td>25,788</td>
</tr>
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<td>Total</td>
<td>50,565</td>
<td>1,02,849</td>
<td>1,53,414</td>
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<tr>
<td>JWCH BLOCK : PAEDIATRICS</td>
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<td></td>
<td></td>
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<tr>
<td>Main Services</td>
<td>23,413</td>
<td>48,047</td>
<td>71,460</td>
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<tr>
<td>Special Clinic</td>
<td>10,275</td>
<td>23,265</td>
<td>33,540</td>
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<tr>
<td>Casualty</td>
<td>16,340</td>
<td>24,711</td>
<td>41,051</td>
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<tr>
<td>Total</td>
<td>50,028</td>
<td>96,023</td>
<td>1,46,051</td>
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<tr>
<td>R.C.C. BLOCK : Med. Oncology</td>
<td>1,583</td>
<td>47,648</td>
<td>49,231</td>
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<tr>
<td>Radiotherapy</td>
<td>2,897</td>
<td>78,401</td>
<td>81,298</td>
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<td>Special Clinic</td>
<td>143</td>
<td>801</td>
<td>944</td>
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<tr>
<td>Total</td>
<td>4,623</td>
<td>1,26,850</td>
<td>1,31,473</td>
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<td>PMRC. BLOCK :</td>
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<td>Main Services</td>
<td>47,850</td>
<td>61,023</td>
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<td>Special Clinics</td>
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**Daily Average No. of occupied In Patients :** 1,685  
**Bed Occupancy Rate :** 91 %

### Out Patients Statistics

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**Total No. of New Cases :** 5,55,675  
**Total No. of Old Cases :** 15,14,861  
**Total No. of New & Old Cases :** 20,70,536  
**Daily Average No. of Out Patients treated :** 7,019

### Daily Out Patients Attendance as per Service Wise 2014 – 2015

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**SUPER SPECIALITY BLOCK**

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| III Clinical Immunology |          |          |          |
| a. General OPD | 2386     | 24743    | 27129    | 283      |
| b. Special Clinics |          |          |          |          |
| 1. Allergic Immunology | 668      | 4739     | 5407     | 108      |
| 2. Clinical Immunology - Paediatrics | 310      | 1730     | 2040     | 43       |
| 3. Refcartory Auto Immune | 240      | 438      | 678      | 13       |

| IV Diabetic |          |          |          |
| 2913        | 42324    | 45237    | 452      |

| V Endocrinology |          |          |          |
| a. General OPD | 2270     | 19678    | 21948    | 224      |

| VI Medical Gastro Enterology |          |          |          |
| a. General OPD | 1885     | 10525    | 12410    | 128      |

| VII Surgical Gastro Enterology |          |          |          |
| a. General OPD | 1335     | 4139     | 5474     | 57       |

| VIII Nephrology |          |          |          |
| a. General OPD | 2471     | 19295    | 21766    | 227      |
| b. Special Clinics |          |          |          |          |
| 1. Dialysis | 519       | 1262     | 1781     | 36       |
| 2. Glomerular disease | 257       | 954      | 1211     | 24       |
| 3. Kidney transplant | 235       | 550      | 785      | 17       |

<p>| IX Neurology |          |          |          |
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### Geographical Distribution 2014 - 2015

No. of Patients treated as per State wise

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### Deliveries Conducted For The Year 2014-2015

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TOTAL NO. OF DEATHS

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BED STRENGTH:

JIPMER, PUDUCHERRY - DEPARTMENTWISE HOSPITAL BEDS STRENGTH

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### RCC BLOCK

<table>
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### WOMENS & CHILDREN'S HOSPITAL

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<th>REMARKS</th>
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### JIPMER, PUDUCHERRY - TOTAL HOSPITAL BEDS STRENGTH

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<td>(35 &amp; 24)</td>
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<td>195</td>
<td>165</td>
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Patients Benefit Schemes

Rashtriya Arogya Nidhi (RAN)

Ministry of Health & Family Welfare is giving financial assistance to the poor patients for treatment in JIPMER Hospital under the scheme of Rashtriya Arogya Nidhi (RAN). Accordingly, a sum of Rs. 27,76,899/- (Rupees twenty-seven lakhs seventy-six thousand Eight-hundred and ninety-nine only) has been utilized during the financial year 2014-2015. The beneficiaries were 39 patients from various departments.

Poor Patient Chest Fund

Poor patient chest fund is being operated in our Hospital for giving financial assistance to the poor patients for treatment in JIPMER Hospital. Accordingly, a sum of Rs. 1,00,794/- (Rupees One lakh seven hundred and ninety four only) has been utilized under the scheme during the financial years 2014-2015. The beneficiaries were 35 patients from various departments.

Achievements/Significant Events

New facilities started in JIPMER during the financial year 2014-15

1. Functioning of Comprehensive Breast Care Centre with effect from 23rd March, 2015 under the Head of the Department of Surgery.
2. Tamil Nadu Chief Minister’s Health Insurance Scheme is empanelled in JIPMER.
3. Memo. of Understanding made between Directorate of Health Services, Andaman and Nicobar Administration, Port Blair and JIPMER for seamless continuance of care for specialist services.

Fire Plan at JIPMER:

In order to ensure prevention, minimizing of risks associated with fire with respect to human life, properties, equipments in the JIPMER Hospital, the JIPMER Hospital Fire Safety Plan Policies and Procedures have been framed for information, compliance of all Faculties, Residents, Students, Staff members and all others concerned. As per the same, prevention of fire is the job of everyone which has to be carried out in a blame free culture & environment. A Fire Safety and Preparedness Committee have also been constituted for this purpose. Further, the old Fire Extinguishers have been replaced by new fire extinguishers ABC type (portable). A Fire Orientation Programme for JIPMER Hospital Staff, Students, Residents and Administrative Staff etc. was conducted and Re-orientation Programme and mock drill had been conducted to each Block of the Hospital/Institute. The Standard Operating Procedure and Guidelines (SOP) had been prepared to each Block for evacuation of patients in case of fire occurring in the Wards/Units/Sections. Intercom No.6999 has been dedicated to intimate immediately and the hospital authorities alerted and the local Fire Station Department (Tel No.0413-2272913) should alerted by the Fire Safety Officer.

Updating Costly Equipments more than One Lakh:

As per the directions Hon’ble CIC, the details of the data relating equipments of patient care costing above Rs. One lakh purchased on or after 1st April, 2007 of this Institute have been identified department wise and the same has been filled in format and displayed on the website www.jipmer.edu.in/www.jipmer.edu (Home page: List of costly equipments) of this Institute.

Wellness Programme at JIPMER:

To create a “STRONG JIPMER”, the Employees Health Promotion Programme has been launched on 5th September, 2012 as “Employee Wellness Checks”. In this Programme, the staff is requested to attend Staff Clinic for thorough prevention check up on their birthdays.
# JIPMER URBAN HEALTH CENTRE - VAZHAIKULAM

**Faculty list:**

- Professor and Officer-in-Charge : Dr Gautam Roy
- Additional Professor : Dr Swaroop Kumar Sahu
- Assistant Medical Superintendent In-Charge : Dr Jagadeeswaran K

## Patient Care Services

<table>
<thead>
<tr>
<th>S. NO</th>
<th>Services Provided</th>
<th>Urban Health Centre (UHC)</th>
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<tbody>
<tr>
<td>1.</td>
<td>No of Villages/Ward</td>
<td>4</td>
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<tr>
<td>2.</td>
<td>Population</td>
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<td>4.</td>
<td>Emergencies</td>
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<tr>
<td></td>
<td>Average per month</td>
<td>0</td>
</tr>
<tr>
<td>5.</td>
<td>Chronic Illness Clinic conducted</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Patients attending clinic every month</td>
<td>398</td>
</tr>
<tr>
<td>6.</td>
<td><strong>TB Reports</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. DOTS-Category 1</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>DOTS-Category 2</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>B. MDR TB</td>
<td>1</td>
</tr>
<tr>
<td>7.</td>
<td>Antenatal Clinic Conducted</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>New ANC Registered</td>
<td>83</td>
</tr>
<tr>
<td>8.</td>
<td>Under-Five Clinic Conducted</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>New Under-Five children registered</td>
<td>98</td>
</tr>
</tbody>
</table>
9. **Immunization**

A. Antenatal
- TT.1 dose: 62
- TT.2 dose: 59
- Booster: 12

B. Children
- DPT 1dose: 0
- DPT 2dose: 0
- DPT 3dose: 0
- DPT Booster: 0
- OPV 1dose: 95
- OPV2dose: 74
- OPV3dose: 75
- OPV Booster: 82
- Hepatitis B 1 dose: 95
- Hepatitis B 2 dose: 0
- Hepatitis B 3 dose: 0
- Pentavalent/OPV 1dose: 49
- Pentavalent /OPV2dose: 48
- Pentavalent/OPV 3 dose: 82
- Measles: 82
- MMR: 95

C. School Children
- DPT at 5Years: 0
- TT at 10Years: 0
- TT at 16 Years: 0

### Laboratory Services

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Investigation</th>
<th>No. of tests done (JIUHC)</th>
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<tbody>
<tr>
<td><strong>I. Hematology:</strong></td>
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<td></td>
</tr>
<tr>
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<td>Hb</td>
<td>482</td>
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<tr>
<td>2</td>
<td>Tc</td>
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<td>3</td>
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<td>032</td>
</tr>
<tr>
<td>4</td>
<td>ESR</td>
<td>08</td>
</tr>
<tr>
<td>5</td>
<td>BT CT</td>
<td>0</td>
</tr>
<tr>
<td>6</td>
<td>PS for Anemia</td>
<td>0</td>
</tr>
<tr>
<td>7</td>
<td>Ps for MP</td>
<td>30</td>
</tr>
<tr>
<td>8</td>
<td>PS for MF</td>
<td>3</td>
</tr>
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<td>9</td>
<td>Blood grouping</td>
<td>84</td>
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<td><strong>II. Biochemistry:</strong></td>
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<tr>
<td>1</td>
<td>Blood sugar</td>
<td>1419</td>
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<td>2</td>
<td>Blood Urea</td>
<td>671</td>
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<tr>
<td>3</td>
<td>Sr.Creatinine</td>
<td>671</td>
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<tr>
<td></td>
<td>Total cholesterol</td>
<td>727</td>
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<tr>
<td>---</td>
<td>------------------</td>
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<td>Lipid profile</td>
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<td>LFT</td>
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<td>Total protein</td>
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<td>8</td>
<td>Sr.Albumin</td>
<td>56</td>
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<td>Total Bilirubin</td>
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<tr>
<td>12</td>
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**III. Serological Investigations:**

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**IV. Urine Investigation:**

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**V. Sputum Investigations:**

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<td></td>
<td>Grand total</td>
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**Major events of JIUHC Kurusukuppam during 2014-15**

- Observed the month of June 2014 as Anti- Dengue month IEC campaigns, Rallys, Health education sessions, Source reduction activities etc.
- Observed the month of July 2014 as Anti- Malaria Month with special IEC campaigns, rallies, Health education sessions, Source reduction activities etc.
- World breast feeding week was observed at the health center on 4 August 2014.
- Observed World Heart Day on 29th Sep 2014.
- School health checkup was conducted in Donbosco Higher Secondary School in the month of October 2014.
- Observed World Diabetes Day on 14th Nov 2014 at the Health Center.
- Orientation programme was conducted for community volunteers selected as Domestic Breeding Checkers for intensified Source Reduction Campaign on 12 Jan 2014.
- IPPI activities were conducted on 18th January 2014 and 22nd February 2014.
- International women’s day was observed on 13th march at community hall Vazhakulam.
- Screening of Public for Glaucoma was done on 13th March 2015. DM and HT Patients above 40 years were motivated to attend the clinic and 92 people from the community attended the clinicin.
World Tuberculosis Day was observed in collaboration with School of Nursing JIPMER, at Community Hall Vazhakulam on 24 March 2015

Patient provider meeting was conducted as part of World Tuberculosis day on 27 March 2015 at Conference Hall JIUHC

Adolescent Health Awareness Programme was conducted at JIUHC Conference Hall on 28 March 2015

**Training, Workshops, Meetings etc Attended by Staff from JIUHC during 2014-15**

- Well Women Workshop conducted at Conference Hall Nursing College JIPMER on 21st August 2014, was attended by Ms. Amala lazar (PHN) and Ms. Christeena Milton (Nursing Sister).

- RNTCP – Retraining in DOTS to Para Medical Staff was attended by Bitty Thomas, Medical Social Worker on 4 February 2014 at NRHM Conference Hall

- The nursing staff of JIUHC attended the One Day Training Programme on Family Welfare Activities and Monthly report preparation (HMIS & MCTS) at NRHM Conference Hall

- One day refresher training on Topics of Pre Conception and Prenatal Diagnostic techniques, Reproductive, maternal, Neonatal, Child Health and Adolescent Care, conducted by DHFWS Pondicherry on 23 January 2014, was attended by the Nursing Staff of the Health center.
JIPMER RURAL HEALTH CENTER - RAMANATHAPURAM

Faculty list:

Professor and Officer-in-Charge : Dr Gautam Roy
Associate Professor : Dr Ganesh Kumar S
Medical Officer In-Charge : Dr Prarthana M.

Patient Care Services

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<th>Services Provided</th>
<th>Rural Health Centre (RHC)</th>
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<td>1.</td>
<td>No of Villages / Ward</td>
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## Laboratory Services

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<td>10</td>
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<td>CK Total</td>
<td>0001</td>
</tr>
<tr>
<td>12</td>
<td>CK MB</td>
<td>0001</td>
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<tr>
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<td>Sputum for AFB</td>
<td>162</td>
</tr>
<tr>
<td><strong>Grand total</strong></td>
<td><strong>7329</strong></td>
<td></td>
</tr>
</tbody>
</table>
Details of important activities/training/days observed in the RHC between (01/04/14 to 31/03/15)

1. VHND Conducted regularly in all four areas on 3rd Tuesday
2. Vector Bourne diseases control program conducted on 07.04.14
3. World No Tobacco day observed on 31.05.14
4. HRA Immunization week conducted on 07.04.14
5. Malaria month observed and quiz program conducted for school children on 19.06.2014
6. World population day observed on 11.07.2014
7. Dengue rally conducted with school children on 24.07.2014
8. Anti drug day observed on 27.07.2014
9. School vaccine given in all schools in the service area in Aug 2014
10. Breast feeding week celebrated on 08.08.2014
11. Intensified diarrhea control program on 11.08.2014
12. Cancer awareness program for all staff and AWW on 21.08.2014
13. Cervical cancer screening camp conducted on 25.08.2014
14. Physical and mental rehabilitation camp conducted on 01.10.2015
15. World hand washing day conducted in all the school on 28.10.2014
16. World heart day observed on 15.10.2014
17. Special immunization camp conducted on 28.10.2014
18. World Diabetic day observed on 19.11.2014
19. Well baby show conducted on 20.11.2014 and 13.03.2015
20. Wellness of mother and child day celebrate on 21.11.14
21. VHSC meeting conducted in all areas
22. Anganwadi teachers meeting conducted every month
23. IPPI conducted in two phases in Jan and Feb
24. Cancer awareness program conducted at Nehru teacher training college on 06.01.2015
25. Reproductive and sex education program conducted on 14.02.2015
26. Ophthalmology mobile camp conducted on 29.01.2015
27. Family welfare counselling both in ANC and under five clinics
28. Adolescent health clinic conducted on all Saturdays.
29. Physical and Mental wellness program conducted on every Wednesday.
30. TB day observed on 23.03 2015
31. Adolescent awareness program conducted on 26.03.2015
32. Women’s day celebrated on 26.03.2015
## Training, Workshops, Meetings etc Attended by Staff from JIRHC

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name</th>
<th>Designation</th>
<th>Date</th>
<th>Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. T. Karthikeyan</td>
<td>S/I</td>
<td>17.10.2014</td>
<td>Dengue Prevention training programme</td>
</tr>
<tr>
<td>2</td>
<td>All Paramedical staff</td>
<td>PHN&amp; Staff</td>
<td>07.01.2015</td>
<td>IPPI - training</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Prarthana, all PHN, staff &amp; Interns</td>
<td>GDMO &amp; Staff</td>
<td>10.01.2015</td>
<td>IPPI – Phase I training programme</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Prarthana</td>
<td>GDMO</td>
<td>27.01.2015</td>
<td>DDFW on PNDT ACT and RMNCI+A.</td>
</tr>
<tr>
<td>5</td>
<td>All Paramedical staff &amp; ANM</td>
<td>PHN &amp; Staff</td>
<td>03.02.15 to 13.02.15</td>
<td>DDFW PNDT ACT and RMNCI+</td>
</tr>
<tr>
<td>6</td>
<td>Mr. T. Karthikeyan</td>
<td>S/I</td>
<td>10.02.15</td>
<td>RMNCl+A activities</td>
</tr>
<tr>
<td>7</td>
<td>Mrs. Revathi Ramachandiran and Mrs. Rathna</td>
<td>PHN</td>
<td>06.03.15</td>
<td>MCTS Training</td>
</tr>
</tbody>
</table>
Faculty list:

Medical Superintendent : Dr. J. Balachander

Additional Medical Superintendent &
Officer In-Charge : Dr. Anita Rustagi

A Medical Team comprising of consultant, Resident doctors and Paramedical staff etc., from the following departments have conducted the Outreach Health Services at Outreach Health Centre, Karaikal. Number of visit and total number of patients attended during the years 2014-2015 is mentioned against the departments.

**ANNUAL OUT PATIENT ATTENDANCE FOR THE YEAR**

April – 2014 to March – 2015

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>SERVICE</th>
<th>2014-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A*</td>
</tr>
<tr>
<td>1</td>
<td>Cardiology</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>C.T.V.S</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Clinical Immunology</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Diabetic</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>Endocrinology</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>Gastroenterology Medical</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>Gastroenterology Surgical</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>Nephrology</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>Neurology</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>Neuro Surgery</td>
<td>3</td>
</tr>
<tr>
<td>11</td>
<td>Ophthalmology</td>
<td>3</td>
</tr>
<tr>
<td>12</td>
<td>Oncology - Medical</td>
<td>3</td>
</tr>
<tr>
<td>13</td>
<td>Oncology - Surgical</td>
<td>3</td>
</tr>
<tr>
<td>14</td>
<td>Ortho Surgery</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>Plastic Surgery</td>
<td>3</td>
</tr>
<tr>
<td>16</td>
<td>Radiotherapy</td>
<td>3</td>
</tr>
<tr>
<td>17</td>
<td>Urology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>52</td>
</tr>
</tbody>
</table>
A* Total No. of days conducted  52
B* Total No. of Patients attended  1958

In general the Outreach Health Services is helpful to the community in Karaikal. Patients with specific kind of problems/complaints are treated and supplied with all the essential drugs. Patients are enthusiastic to know the various aspects of their complaints. Sugar estimations for the needy patients are being done with the glucometers. Patients who required for further investigations like X-rays, CT scan and other blood investigations are requested to come to JIPMER for further work up and treatment. Karaikal Outreach Health Services at Karaikal shifted from private premises to the Government Hospital, Karaikal with effect from 16th March, 2013. The telemedicine conferencing with Government Hospital, Karaikal will be started shortly.
JIPMER QUALITY COUNCIL

Faculty list:

Director, JIPMER & Founder President/Chairman : T.S. Ravikumar

Associate Professor of Urology and Member Secretary & Group Co-ordinator : Muruganandham K

Members of JCQ Groups

BACKGROUND INFORMATION

Members of JQC are called as JIPMER Quality councilors. These quality councilors will act as patient safety champions and will act as the nodal persons to educate other health care workers in their own departments and divisions about the science of patient safety. They will have regular intra-group and inter-group discussions/meetings to find out JIPMER specific solutions to issues related to patient safety. They will also implement deliverables each month and bring the feedback to the monthly JQC meeting which will be conducted every month. This is a modified version of PDSA (Plan Do Study Act) cycle used in quality improvement. Bidirectional rapid cycle learning model (i.e., “train the trainer to train the end user” and getting the feedbacks at every level) will be used to educate each and every health care worker of JIPMER.
DEPARTMENT OF ANESTHESIOLOGY & CRITICAL CARE

Department of Anesthesiology and critical care provides inpatient as well as outpatient anesthetic and other medical services to patients attending JIPMER.

Table 1: The service areas and the timing of services in Department of Anesthesiology

<table>
<thead>
<tr>
<th>S No</th>
<th>Nature of service</th>
<th>Service area</th>
<th>Timings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anesthesia service</td>
<td>Elective operation rooms, Emergency operation room, EMS OT, OG EMS OT, Outside operation theatre</td>
<td>6 days in a week, Round the clock</td>
</tr>
<tr>
<td>2</td>
<td>Pre anesthesia checkup</td>
<td>Outpatient department, SS Block, In patients scheduled for surgery in elective or emergency basis</td>
<td>6 days in a week, Round the clock</td>
</tr>
<tr>
<td>3</td>
<td>Pain management</td>
<td>Pain clinic</td>
<td>6 days in a week</td>
</tr>
<tr>
<td>4</td>
<td>Critical care services</td>
<td>CCU (EMS Block)</td>
<td>Round the clock</td>
</tr>
<tr>
<td>5</td>
<td>Consultation/resuscitation services</td>
<td>All blocks</td>
<td>Round the clock</td>
</tr>
<tr>
<td>6</td>
<td>Teaching anesthesiology, emergency &amp; critical care</td>
<td>UGs, PGs, Interns, BSc OT technician, Emergency room technician and other para medical staffs.</td>
<td></td>
</tr>
</tbody>
</table>

The department regularly collects all the relevant data related to operating room, outpatient department (Pre anesthesia checkup clinic and pain clinic) and critical care unit and it is presented in every month’s first Friday in the form of review meet from December 2013. The data for the period of April 2014 to March 2015 is compiled and presented as follows.

1. On an average anesthesia services (elective and emergency) were provided to 1183 patients per month. Average outpatient attendance, anesthesia service provided outside operating room and critical care unit patient cared in a month are 688, 71 and 32 respectively.

2. Sixteen elective operating tables operated from 0800 am to 0200 pm in a day for six days in a week for the various broad and super specialty surgical disciplines. The following figure represents the mean utilization time per day in various operating rooms. Time utilized was more than the allotted time in most of the surgical departments. Exceptions include department of Ophthalmology and Radiotherapy.

3. Despite more than adequate hours of OT utilization, few number of posted patients were postponed or cancelled. Predominant reason for cancellation on the day of surgery is overbooking of patients for the particular day. Other reasons include need for optimizing patient’s preoperative co-existing medical conditions.
4. Apart from overbooking, few cases were cancelled on the same day of surgery due to the following reasons, i.e., day care patients didn’t turn up for the proposed surgery on that day, issues related to informed consent or withdrawal of consent and abnormal laboratory results or exacerbation of comorbid condition or new onset medical condition after preoperative assessment in the previous day of surgery.

5. Emergency anesthesia services are provided by the department to various surgical disciplines as well as to obstetric emergencies twenty four hour in day. The major proportion of cases are done by general surgery department followed by neuro surgery, orthopedic department and rest of the surgical departments.

6. The utilization of EMS OT remained suboptimal due to long hours of patient transport time from various floors of the hospital to EMS OT for different reasons and non-availability of second table if emergency cases have been operated in super specialty block or any other OTs in old block.

7. No delay cases are defined as any delay in operating patient may result in elevated morbidity or mortality.

8. The reasons for delay in operating no delay cases are other no delay cases occupying both the tables of EMS OT simultaneously or the surgical on call team about to operate the no delay cases was operating other emergency case in one of the tables of EMS OT. Few times an elective case was posted as no delay in EMS OT. On priority basis these elective cases are asked to be operated on regular operating days or taken up later in EMS OT itself.

9. The department of Anesthesiology started critical incident reporting system from the beginning of year 2014. Any critical incident involving patient under anesthesia care provider reported the incident in a standard format and the incidents were analyzed in weekly review meeting and appropriate decision were taken to prevent or minimize the future occurrence of the same.

To improve the quality in anesthesia and critical care/emergency services, department of Anesthesiology started collecting data like occurrence of adverse events, unplanned ventilation, modification of anesthesia plan on the day of surgery, spinal anesthesia failure rates mortality directly related to Anesthesia care from the month of June 2014 till Feb 2015. The average number of patients operated in elective and emergency OTs are 1258 per month during this period. Table 2 represents these data. Only 2 mortalities found on analysis shown direct cause effect relation to patients’ mortality. Appropriate measures were subsequently implemented to avoid such mortalities.

### Table no: 2

<table>
<thead>
<tr>
<th></th>
<th>May-14</th>
<th>Jun-14</th>
<th>Jul-14</th>
<th>Aug-14</th>
<th>Sep-14</th>
<th>Oct-14</th>
<th>Nov-14</th>
<th>Dec-14</th>
<th>Jan-15</th>
<th>Feb-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total no. of cases</td>
<td>1240</td>
<td>1251</td>
<td>1381</td>
<td>1382</td>
<td>1299</td>
<td>1400</td>
<td>1217</td>
<td>1232</td>
<td>1103</td>
<td>1063</td>
</tr>
<tr>
<td>Unplanned ventilation</td>
<td>3</td>
<td>1</td>
<td>5</td>
<td>0</td>
<td>7</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Plan modification</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>0</td>
<td>4</td>
<td>15</td>
<td>15</td>
<td>17</td>
<td>22</td>
<td>14</td>
</tr>
<tr>
<td>Mortality related to Anaesthesia</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Adverse events</td>
<td>8</td>
<td>3</td>
<td>5</td>
<td>6</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>
For obstetric emergencies, the department strictly follows NICE guidelines to expedite the process of operative delivery whenever maternal or fetal wellbeing is under threat (From Jan 2015). The mean time of decision to delivery time for NICE 1 class in our institute is 32 minutes which is little longer than recommended (20 minutes) (Table 3). The analysis for this delay found to be mainly related to preparation and transport of these patients to OT from labour room despite free availability of OT.

**Table no: 3**

<p>| Decision to delivery time (minutes) (NICE1) |</p>
<table>
<thead>
<tr>
<th>Jan15</th>
<th>Feb15</th>
<th>Mar15</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>37</td>
<td>32</td>
</tr>
</tbody>
</table>

**Critical Care Unit**

1. The CCU renders critical care support for patients from all over the hospital in 6-bedded state of the art ICU. Recently, it has expanded 3 more beds in the ward 32.

2. Total admissions from April 2014 to March 2015 was 370 from various departments, general surgery and obstetrics being the main source of patients.

3. Rapid response to code calls across the hospital is done by residents from CCU.

4. Other outside calls attended are for ventilator and hemodynamic management and securing central venous access.

5. The standardized mortality rate was 0.55.

6. Total bed occupancy ranged from 80 to 100%.

7. There is regular monitoring of key performance indicators, infection rates and critical incident monitoring.

8. The department also runs a fellowship course in critical care with an annual intake of 4.

**Table 4. Department wise distribution of admitted cases**

<table>
<thead>
<tr>
<th>Department</th>
<th>Proportion of cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgery</td>
<td>57%</td>
</tr>
<tr>
<td>Obstetrics</td>
<td>11%</td>
</tr>
<tr>
<td>Orthopedics</td>
<td>12%</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>5%</td>
</tr>
<tr>
<td>Pulmonary med</td>
<td>2%</td>
</tr>
<tr>
<td>Medicine</td>
<td>6%</td>
</tr>
<tr>
<td>Others</td>
<td>7%</td>
</tr>
</tbody>
</table>

Main source of patients in the CCU is from general surgery and obstetrics.

**Table 5. Case Distribution**

<table>
<thead>
<tr>
<th>Cases</th>
<th>Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sepsis</td>
<td>51%</td>
</tr>
<tr>
<td>High risk obstetric cases</td>
<td>14%</td>
</tr>
<tr>
<td>Elective postoperative cases</td>
<td>10%</td>
</tr>
<tr>
<td>Polytrauma</td>
<td>16%</td>
</tr>
<tr>
<td>Others</td>
<td>9%</td>
</tr>
</tbody>
</table>
Most frequent diagnosis at admission is sepsis with multi organ failure.

**Infection Rates (%)**

Ventilator associated pneumonia is expressed as number of cases per 1000 ventilated days. Catheter associated urinary tract infection is expressed as number of UTI per 1000 catheter days and central line associated blood stream infection is expressed as number of blood stream infections per 1000 central line days. We have undertaken stringent measures to reduce these ICU acquired infections.

<table>
<thead>
<tr>
<th>INFECTION</th>
<th>RATES per thousand instrument days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilator associated pneumonia</td>
<td>30</td>
</tr>
<tr>
<td>Catheter associated UTI</td>
<td>0</td>
</tr>
<tr>
<td>Central line associated blood infection</td>
<td>5</td>
</tr>
</tbody>
</table>

**Academic Program in the Department**

Regular academic classes take place in the department from 3.30 pm on all days from Monday to Friday. The annual intake of PGs is around 18 (10 in January and 8 in June)

**Classes conducted during April 2014 to March 2015**

<table>
<thead>
<tr>
<th>Seminar</th>
<th>Sl. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar</td>
<td>58</td>
</tr>
<tr>
<td>Post Doctoral Fellowship Classes</td>
<td>15</td>
</tr>
<tr>
<td>Journal club</td>
<td>19</td>
</tr>
<tr>
<td>Case presentation</td>
<td>24</td>
</tr>
<tr>
<td>Departmental Morbidity &amp; mortality meeting</td>
<td>31</td>
</tr>
<tr>
<td>Faculty classes</td>
<td>8</td>
</tr>
<tr>
<td>Guest lectures</td>
<td>2</td>
</tr>
<tr>
<td>What’s new session</td>
<td>3</td>
</tr>
<tr>
<td>PBLD (Problem based learning discussion)</td>
<td>15</td>
</tr>
<tr>
<td>EMT (Emergency medical technician) class</td>
<td>23</td>
</tr>
<tr>
<td>BSc OT Technician class</td>
<td>30</td>
</tr>
<tr>
<td>UG class</td>
<td></td>
</tr>
</tbody>
</table>

Regular simulation based workshops also take place in the department. The department has 2 high fidelity manikins and several lower end skill trainers.

**Simulation Workshops-2014**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Date</th>
<th>Topic</th>
<th>Year</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>March</td>
<td>Installation and overview of HPS</td>
<td>All faculty</td>
<td>1 week</td>
</tr>
<tr>
<td>2.</td>
<td>March</td>
<td>Creating scenarios by Dr. D. Pai</td>
<td>Simulation team</td>
<td>4 days</td>
</tr>
<tr>
<td>3.</td>
<td>April</td>
<td>Overview by Mr. Stephan</td>
<td>All Faculty</td>
<td>1 week</td>
</tr>
<tr>
<td>4.</td>
<td>June</td>
<td>Orientation and induction to anesthesia</td>
<td>PGY1</td>
<td>10 days</td>
</tr>
<tr>
<td>5.</td>
<td>August</td>
<td>ACLS</td>
<td>PGY3</td>
<td>3 hours</td>
</tr>
<tr>
<td>6.</td>
<td>December</td>
<td>ACLS</td>
<td>PGY2</td>
<td>3 hours</td>
</tr>
<tr>
<td>7.</td>
<td>January</td>
<td>ACLS</td>
<td>Interns</td>
<td>1 day</td>
</tr>
<tr>
<td>8.</td>
<td>February</td>
<td>Vasopressin response- Case review</td>
<td>All PGs</td>
<td>1 hour</td>
</tr>
<tr>
<td></td>
<td>Month</td>
<td>Event Description</td>
<td>Participants</td>
<td>Duration</td>
</tr>
<tr>
<td>---</td>
<td>-------</td>
<td>------------------------------------------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td>9.</td>
<td>February</td>
<td>Orientation and induction to anesthesia</td>
<td>PGY1</td>
<td>5 days</td>
</tr>
<tr>
<td>10.</td>
<td>March</td>
<td>Difficult airway scenario</td>
<td>All PGs</td>
<td>½ day</td>
</tr>
<tr>
<td>11.</td>
<td>March</td>
<td>Airway skills training</td>
<td>All PGs</td>
<td>1 day</td>
</tr>
</tbody>
</table>

**Publications from the Department**


4. Gupta SL, Satya Prakash MVS, Prabu G. Use of i-gel for caesarean section with kyphoscoliosis; BMJ Case Rep Published online: 10 July 2014 doi:10.1136/bcr-2014-203987


6. Use of Igel for Caesarean section with Kyphoscoliosisdoi 10.1136 /bcr July2014-203987.


**Professional achievements of individual faculty members april 2014-march 2015**

**Dr. Pankaj Kundra**

1. VIMA update, Indian Society of Anaesthesiologists Goa State Branch on 5th July 2014 Guest Lecture: **MAC Relevance in Balanced Anaesthesia**

2. VIMA update, Indian Society of Anaesthesiologists Mangalore State Branch on 6th July 2014 Guest Lecture: **MAC Relevance in Balanced Anaesthesia**
3. AIRCON 2014, CME and Workshop on Difficult Airway, ISA Calicut City Branch on 17th Aug 2014 Guest Lecture: *Role of ultrasound in difficult airway*


5. BAPU 2014, Srinivaseswara Institute of Medical Sciences (SVIMS) on 8th Sept 2014 Guest Lecture: *Non Invasive Ventilation*


7. KISACON 2014, Annual State Conference of Karnataka State Chapter of ISA on 10th – 12th Oct 2014 CME Lecture: *Science and Art of Delivery of Inhaled Anaesthetics*

8. 7th National conference of Association of Obstetric Anaesthesiologists (AOA – 2014) on 17 – 19th Oct 2014, Inst. of Medical Sciences, Banaras Hindu University, Varanasi Guest Lecture: *Category I Caesarean Section – Anaesthesia implications*

9. Dr Phaneendra Nath Thota Anaesthesia Update and 14th Anaesthesia Postgraduate Academic Programme (APGAP 2014) on 31st Oct to 2nd Nov 2014, Kasturba Medical College, Manipal CME Lecture: *Heart as a pump*

   • Workshop Resource Person: Ultrasound of the Airway

10. ISACON 2014 (Annual National Conference of Indian Society of Anaesthesiologists) on 25th – 29th Dec 2014 at Madurai

   • CME Lecture: *Pharmacokinetics of Intravenous Anaesthetic Agents*

   • Chairperson: *Obesity concerns and Anaesthesia*

   • Paper Presentation: *Effect of Anaesthetic Agents on Olfaction – A randomized controlled trial*

11. Inputs 2015, Postgraduate Assembly on 10th – 11th Jan 2015 at VIMS, Kolkata

   • Faculty: *Case discussion and PBLD*

12. Ramachandra Anaesthesia Continuing Education (RACE 2014), Chennai, Feb 7 – 9th 2015

   • CME Guest Lecture: *Heart as a pump*

   • Breakfast Session: *Safety Features in Anaesthesia Machines*

   • Workshop: *Drugs and Equipments*

13. 7th National conference of Indian Association of Pediatric Anaesthesiologists (IAPA 2015) on 20th – 22nd Feb 2015, PGIMER, Chandigarh

   • Guest Lecture: Inhalational Anaesthesia in Children


   • Workshop Resource Person: Simulation

15. CME in Cleft Care, JIPMER 10th – 11th March 2015

   • Chairperson: Anaesthetic considerations in cleft lip and palate deformities
16. SANCON 2015, Sri Sathyai Sai Institute of Higher Medical Sciences, Whitefiled, Bangalore on 13th – 14th March 2015
   ● CME Lecture: Vaporizers

**International Conferences (As Invited Faculty)**

1. Asia Anaesthesia Summit 2014, Hotel ITC Maratha, Mumbai on 19th – 20th April 2014
   ● CME Lecture: *Relevance of MAC in Balanced Anaesthesia*
   ● Workshop Resource Faculty: *Gasman Workshop*

   ● Guest Lecture: *Titration of Sevoflurane Anaesthesia*
   ● Workshop Coordinator and Resource Faculty: Gasman Experimental & Simulation Workshop

   ● Anaesthesia Workshop: *GASMAN Experimental and Simulation*

4. 6th Annual Conference of Indian College of Anaesthesiologists (ICACON 2014) on 21st – 23rd Nov at Narayana Hirudayalaya Hospital, Bangalore.
   ● Guest Lecture: *Molecular Basis of Anaesthesia*

5. National Airway Conference (NAC 2014). A joint meeting of Tata Memorial Centre & All India Difficult Airway Association on 28th to 30th Nov 2014 at Tata Memorial Centre, Mumbai
   ● Workshop Lecture: *Airway Ultrasound*
   ● Workshop Resource Person: *Airway Ultrasound*
   ● Guest Lecture: *Awake Fibreoptic Intubation should be preferred in Difficult Airway*
   ● Chairperson: *Thematic Session*
   ● Guest Lecture: *Cannot Intubate Cannot Ventilation Situation – Now What?*

Panelist: Panel Discussion on Teaching and Training on

**Dr. Vasudevan**

**Professional Achievements:**

Vice President of Indian Society of Anaesthesiologist, Puducherry State for the year 2014

**Conferences:**

Organizing Co-chairman of 5th annual state conference of ISA Puducherry, 8-9 Nov 2014, also chaired a session on neuraxial anesthesia.

**Important activities in the department:**

1. Played a pivotal role in establishing ‘Anesthesia Simulation Lab’ with state of the art high fidelity human patient simulator HPS-10 with realistic uptake and delivery models for anesthetic agents, first of its kind in south india.

2. Organised the following training programmes for postgraduate students and interns
- June 2014 and Feb 2015: 6-day Orientation programme for first year post graduate students, including skill training sessions on mannikins as well as simulation sessions with human Patient Simulator and SimMan
- Aug-2014: Simulation session on ACLS for 2nd and 3rd year PG students
- 22-Dec- 2014: Simulation session on Crisis Management during conduct of anesthesia
- 3-Jan-2015: ACLS and airway management training module for interns, secluding simulation session on ACLS
- 23-Jan-2015: Analysis of adverse patient event with recreation of clinical scenario using Human Patient Simulator

**Dr. Suman Lata**

**Conferences attended and organised.**

1. Airway management Foundation - AIRWAY 2014 as faculty and presented paper - Comparison of air -Q with I-gel supra glottis device for airway management during general anaesthesia. 2-4th Nov 2014 at New Delhi
2. VISZAC 2014 Southzone annual conference as Faculty for Airway workshop 22-24th August 2014 Visakhapatnam
3. Medical equipment safety India 2014 at JIPMER Puducherry
4. POPS-CON 2014 as faculty 4-6th July 2014 JIPMER Puducherry
5. RSACPCON 2014 from 14-16 Nov 2014 as faculty for AIRWAY Workshop and CME and PANELIST for Innovations in pain management , new targets, novel current delivery and advancing frontiers in neuromodulation

**Administrative responsibility**

1. Gas plant management team
2. Simulation team in medical education
3. Team in B.Sc.OT Technology

**Dr. Satyen Parida**

1. Professional achievements:
   - Successful completion of the ATLS Provider Course
   - Successful completion of the ATLS Instructor Course
   - Successful enrolment as a registered ATLS faculty
2. Conferences attended and organized:
   - TM’s 4th World Cardiovascular Online Conference, September 16-18, 2014: Delivered a lecture titled, “Anesthetic Concerns in Patients with Cardiac Trauma requiring Surgery”
3. Administrative responsibilities:
   - Member of the “Operating Room Safety” group of the JIPMER Quality Council
● Member of the “Crowd Control Committee”
● Coordinating the Departmental activities relating to JIPMER Press and Website
● Management of the Critical Incident Review System in the Department
● Coordination of the Morbidity and Mortality auditing within the Department
● Management of Consumables / Non-consumables list of the Department
● Faculty designate for the Post-Doctoral Fellowship Program in Cardiac & Neuroanesthesia
● Training of Emergency Med Technicians and OT Technicians
4. Any other important activities in the department:
● Submitted proposal for initiating DM program in Cardiac Anesthesia
● Submitted proposal for initiating B Sc Course in Anesthesia Technology

Dr. Sandeep Mishra

CME and Conference attended
1. 5rd Annual state conference of Indian Society of Anaesthesiologists: PONCON 2014 held on 8th and 9th November 2014. As delegate
2. “Short Course on Basic Epidemiology” organized by the Department of P&SM, JIPMER, Puducherry. from 10-15th November, 2014. As delegate.

Administrative, patient care, educational, research and other Assignments
1. Member ERRC (equipment required review committee). JIPMER
2. Member JIPMER Security Committee
3. Member Trauma and emergency care expansion committee
4. Faculty designated for Emergency Medicine MD course
5. Officer In charge Liquid Oxygen plant and Medical gas supply, JIPMER
6. Faculty designated for Post-Doctoral Fellowship in Critical care training
7. Non Examiner Coordinator for D.N.B. Practical exam in the subject of Anaesthesiology April and November 2014 at JIPMER, Pondicherry
8. Guide and co-guide for post graduate student in anesthesiology, JIPMER
9. Coordinator for conducting practical examination for Postgraduate, and Post-doctoral fellowship, departmental of Anaesthesiology and Critical care, JIPMER

Dr. Satyaprakash

1. Conferences attended
● ISACON 2015, Madurai - as delegate
● MCLD - 2015, at Chennai - as delegate
2. Conferences organised -
● poncon 2014 - worked in scientific committee and organised paper and poster session. given a lecture on anaesthesia for pheochromocytoma.
• CME on mechanical ventilation - worked as an organiser and organised free paper session.

3. Administrative responsibilities -
• worked as roster incharge for residents till February.
• Incharge of department consumables and non consumables section.

**Dr. Lenin Babu**

1. Conferences and CMEs attended as faculty
• As a Judge for poster presentation in 5th Annual state conference of ISA on 8th & 9th of November 2014 (PONszac – 2014)
• Delivered a lecture on “Current concepts on Real transplantation” in annual meeting of Indian College of Anaesthesiologist from 21st to 23rd November 2014.

2. Conferences and CMEs attended as delegate
• Attended as delegate in ISSPCON-2015 from 5th -8th of Feb 2015 at Chennai

3. Research projects completed:
• Evaluation of Gasman anaesthesia simulator during induction of anaesthesia
• Evaluating the efficacy of a new negative pressure test to confirm the integrity of inner tube in Bain’s circuit

4. Administrative, patient care, Educational, Research and other assignments:
• Preparing the academic schedule for postgraduates
• Part of the team in managing duty schedule and monthly roster for faculties and residents
• Part of the team in charge of OT technician, Assistants & Attendant

**Dr. Anusha Cherian**

1. Professional achievements:
• Successful completion of the ACLS Provider Course
• Successful completion of the ACLS Instructor Course

2. Conferences attended and organized:
• CME on Mechanical ventilation in critical care held at Indira Gandhi Medical College Puducherry
• Organized workshop on clinical research on 25th July and 10th September 2014
• Faculty in CME for post graduates in anesthesiology on mechanical ventilation.

3. Administrative responsibilities:
• Member of the central stores department
• Member of the linen section
• Coordinating the Departmental activities relating to JIPMER Press and Website
• Coordination of the Morbidity and Mortality auditing in the critical care unit
• Faculty designate for the Post-Doctoral Fellowship Program in Critical care
• Training of Emergency Med Technicians and OT Technicians
Faculty designated for the conduct of simulation based learning and management of simulation lab.

4. Other important activities in the department:
- Submitted proposal for initiating DM program in Critical care
- Conducted workshops on Simulation based Training of post graduates in acquiring skills, orientation workshop for first year post graduates in anesthesiology, Training of interns in ACLS.
- Guide and coguide for PG dissertation and Fellowship projects.

Dr. Sakthirajan

1. Conferences /CME attended as invited Faculty
- PONCON 2014-delivered lecture on the topic “recent guidelines in management of cardiac patients posted for non-cardiac surgery” held at Manakulavinayagar Medical College, Puducherry, organised by Indian Society of Anaesthesiology, Puducherry branch.
- Delivered lecture on “Chronic non-cancer pain: Diagnosis & management’ at CME (API- DIAS) organised by Association of Physicians of India.

2. Conference attended as delegate
- CME on Mechanical ventilation in critical care held at Indira Gandhi Medical College Puducherry.

3. Departmental administrative responsibility
- Roster in charge for the year of 2014-15, till Feb2015
- Departmental statistics compilation

Dr. Stalin

1. Professional achievements:
- AHA certified ACLS Instructor
- ACS certified ATLS Provider
- Worked in flood relief camps in Kashmir from 19th Oct to 02nd Nov 2014.

2. Conferences attended and organised.
- Organizing team for Golden Jubilee celebration and President visit on 26th Sep 2014.
- Attended Hands on training on simulation on 19th Jan 2015 at JIPMER, Puducherry
- Attended National Teaching Training Course at JIPMER from 16th Feb - 21st Feb.
- Conducted ACLS workshop for interns on 3rd Jan 2015 at JIPMER, Puducherry.
- Invited faculty as Instructor for BLS & ACLS course in A G Padmavathi hospital on 12th to 14th Dec 2014 at Puducherry.

3. Administrative responsibilities.
- Faculty designated for maintaining log book for postgraduates.
- Member of the website team of Department of Anaesthesiology and critical care.
- Part of the simulation team in Department of Anaesthesiology and critical care.
- Part of exam conduction team for DNB and MD postgraduates
Dr. Chitra

1. Conferences and CMEs attended as faculty:
   - As a resource faculty for ultrasound workshop in 5th Annual state conference of ISA on 8th & 9th of November 2014 (PONSZAC – 2014)
   - Delivered a lecture on “Role of ultrasound in critical care” in AUSM – 2014 on 26-27th July 2014 at Selam

2. Administrative, patient care, Educational, Research and other assignments:
   - Part of a team for reporting monthly morbidity and mortality
   - Part of a team for reporting critical incident reporting

Dr. Priya Rudigwa

1. CMEs attended
   - PONCON 2014 held at Manakulavinayagar college, Puducherry
   - CME on Mechanical ventilation in critical care held at Indira Gandhi Medical college, Puducherry
   - Departmental administrative responsibility
   - Postgraduate academic programme coordinator
   - Audit of morbidity & mortality coordinator

Dr Srinivas

1. Conferences attended
   - Orientation workshop on “Animal and Lab experimentation” organised by department of research and department of physiology, JIPMER on 30th June 2014 in JIPMER.
   - Orientation workshop on clinical research methodology” organised by division of research and department of anaesthesiology, JIPMER on 27th July 2014.
   - Workshop on research grant proposal writing’ organised by division of research and department of Paediatrics, JIPMER on October 24th and 25th 2014.
   - Invited speaker in the GOLDEN ASSOPICON 2014, 1st National conference of association of physiologists of India organised by Department of physiology, JIPMER from 17th to 19th December 2014.
DEPARTMENT OF ANATOMY

Faculty list:

Professor and Head of the Department : Parkash Chand

Additional Professor : Aravindhan . K
 : Sivakumar .M

Associate Professor : Suma H Y
 : Rashmoni Jana
 : Sarasu. J

Assistant Professor : Gladwin .V
 : Suman verma
 : Rajasekhar. S.S.S.N
 : Sulochana Sakthivel
 : Raveendranath .V
 : Yogesh Ashok Sonatakke
 : Dharmaraj Wamanrao Tamgire

Background information of the Department

The department of anatomy functions at the ground floor of the JIPMER Academic Center and is constantly involved in teaching-learning and research activities of undergraduate and postgraduate courses. The department collaborates in conducting cadaveric workshop with department of neurosurgery to train the super-specialty (M.Ch.) students as well as faculty from all over the country. Patient care services involves cytogenetic study and funeral embalming. The microscope lab is equipped with complete automated tissue processing unit, bright field microscope, inverted microscope, fluorescent microscope, confocal microscope and live cell imaging. Molecular genetics lab facilitates to conduct the Polymerase Chain Reaction (PCR), gene studies, and DNA damage study.

Educational courses:

A. Undergraduate Course

i) M.B.B.S

ii) B.Sc. (Nursing)

iii) B.Sc. (Medical Lab Technology)

iv) B.Sc. (Dialysis Technology)

v) B.Sc. (Perfusion Technology)

vi) B.Sc. (Operation Theatre Technology)

vii) B.Sc. (Medical Radiation Technology)
viii) B.Sc. (Neuro Technology)
ix) B.Sc. (Nuclear Medicine Technology)
x) B.Sc. (Cardiac Lab Technology)

B. Postgraduate Courses
i) M.D (Anatomy)
ii) M.Sc. (Medical Biochemistry)
iii) M.Sc. (Medical Physiology)

C. Research Courses
i) Ph.D. (Anatomy)

D. Other Courses
i) Medical Record Technicians Course (MRT)
ii) Medical Record Officer’s Course (MRO)
iii) Emergency Medical Technician Certificates Course (EMTC)
iv) Bachelor of Audiology and Speech Language Pathology Course (BASLP)

Conferences and CMEs organized by the Department
i) Pre conference hands on cadaveric workshop at “Skull Base Con 2014” in collaboration with Department of Neurosurgery, held at Department of Anatomy, JIPMER on 9th October 2014.

ii) Hands on cadaveric workshop on “Cranio-vertebral junction instrumentation course” in collaboration with Department of Neurosurgery, held at Department of Anatomy, JIPMER on 3rd & 4th January 2015.

Conferences and CMEs attended by the Faculty

Dr. Parkash Chand
i) Course Faculty for Pre conference hands on cadaveric workshop at “Skull Base Con 2014” on 9th Oct. 2014 & Organizing committee member for 16th Annual conference of Skull base surgery society of India, on 10th & 11th Oct. 2014 in collaboration with Department of Neurosurgery, JIPMER.

ii) Moderator for “Hands on cadaveric workshop on Cranio-vertebral junction instrumentation course” organized by the Department of Neurosurgery and Department of Anatomy at JIPMER on 3rd & 4th Jan. 2015.

iii) Attended the MCI Coordinator/ Assessors Orientation workshop at New Delhi on 31st March 2015.

Dr. Aravindan. K
i) Workshop on Leadership Qualities in Health & Development sectors at Gurgaon, Delhi, India from 1st - 6th April 2014.

ii) Attended the 2nd Orientation workshop on epidemiology, on 26-06-14 at JIPMER.

iii) Attended animal and lab experimentation workshop in June 2014 at JIPMER.

iv) Participated as delegate in ‘Good Clinical Research Practice’ workshop on 22nd - 23rd August, 2014 organized by Department of Clinical pharmacology, JIPMER.
v) Attended clinical research methodology in July 2014 at JIPMER.


vii) Coordinator for “Hands on cadaveric workshop on Cranio - vertebral junction instrumentation course” organized by the Department of Neurosurgery and Department of Anatomy at JIPMER on 3rd & 4th Jan. 2015.

**Dr. Sivakumar**

i) Organizing secretary for the 3rd National Conference of Society of Clinical Anatomists held on 24th & 25th May 2014, Puducherry.

ii) Participated in the 72nd National course on Educational Science for Teachers of Health Professional from 16.02.2015 to 21.02.2015 held at JIPMER, Puducherry.

**Dr. Suma. H. Y**

i) Participated as faculty in ‘Wound Simulation Course, CME and Training workshop’ on 18.07.14 organized by Department of Plastic surgery, JIPMER.

ii) Participated in workshop on ‘Workplace based assessment’ on 19.07.14, organized by the department of medical education, JIPMER.

iii) Participated as delegate in ‘Good Clinical Research Practice’ workshop on 22nd - 23rd August, 2014 organized by department of clinical pharmacology, JIPMER.

iv) Participated as a delegate at “CHEN MED COL ANAT CON 2k14”, 37th Annual conference of association of anatomists, held on 10th- 12th October 2014 at Chengalpattu Government Medical College, Chengalpattu, Tamilnadu.

v) Participated as delegate in the workshop on ‘Book writing and meet the publishers’ organized by JIPMER scientific society & Division of Research, JIPMER.

vi) Attended the ‘5th Short course on Basic Epidemiology’ from 10th -15th November 2014, organized by Department of Preventive & Social medicine, JIPMER.

vii) Presented a paper entitled “Variation of the lateral cord of brachial plexus piercing coraco-brachialis” at 37th Annual conference of association of anatomists, held on 10th- 12th October 2014 at Chengalpattu Government Medical College, Chengalpattu, Tamilnadu.

**Dr. Rashmoni Jana:**

i) Participated in workshop on ‘Workplace based assessment’ on 19.07.14, organized by the department of medical education, JIPMER.

ii) Participated as delegate in ‘Good Clinical Research Practice’ workshop on 22nd - 23rd August, 2014 organized by department of clinical pharmacology, JIPMER.

iii) Participated as a delegate at “CHEN MED COL ANAT CON 2k14”, 37th Annual conference of association of anatomists, held on 10th - 12th October 2014 at Chengalpattu Government Medical College, Chengalpattu, Tamilnadu.

iv) Participated as delegate in the workshop on ‘Book writing and meet the publishers’ organized by JIPMER scientific society & Division of Research, JIPMER.

v) Presented a paper entitled “Aberrant gonadal artery - its clinical aspect and embryological basis” at 37TH Annual conference of association of anatomists, Chengalpattu Government Medical College, Chengalpattu, Tamilnadu, held on 10th, 11th and 12th October-2014.
Dr. Sarasu. J

i) Underwent training course on basic life support (BLS) and advanced cardiac life support (ACLS) conducted by American Heart Association at JIPMER.

ii) Organizing committee member for the 3rd National Conference of Society of Clinical Anatomist held on 24th & 25th May 2014, Puducherry.

iii) Course Faculty for Pre conference Hands on Cadaveric workshop at “Skull Base Con 2014” on 9th Oct. 2014 & Organizing committee member for 16th Annual conference of Skull base surgery society of India, on 10th & 11th Oct. 2014 in collaboration with Department of Neurosurgery, JIPMER.

iv) Participated as a delegate at “CHEN MED COL ANAT CON 2k14”, 37th Annual conference of association of anatomists, held on 10th- 12th October 2014 at Chengalpattu Government Medical College, Chengalpattu, Tamilnadu.

v) Organizing committee member for JIPMER convocation 2014.

vi) Member of the souvenir committee for preparation of souvenir of JIPMER for Golden JUBILEE celebration of JIPMER.

vii) Organizing committee member for the Golden JUBILEE celebration of JIPMER.

viii) Organizing committee member for Founder’s day celebration on July 2014.

ix) Attended Preconference hands on workshop on Molecular genetics and Participated in the Indo-US symposium on Genomic insights into Human Morphogenesis: Prenatal, Postnatal and Molecular Dysmorphology, held from 7th to 9th November, at Hyderabad organized by the Centre for DNA finger printing and diagnostics.

x) Attended the pre-conference CME on medical education and National conference of 62nd National Conference of Anatomical Society of India held from 17th to 20th November 2014 at Imphal.

xi) Underwent training course on “Program on Implementation” on NABH standards at Hospitals from 13th -15th March 2015 at Kolkata organized by NABH, Delhi.

xii) Presented paper entitled “Surgical importance of greater palatine artery in palatoplasty” at the scientific session of 62nd National Conference of Anatomical Society of India held from 17th - 20th November 2014 at Imphal.

Dr. V. Gladwin

i) Course Faculty & Organizing committee member for Pre conference Hands on Cadaver workshop of “Skull Base Con 2014” on 9th Oct 2014 & 16th Annual conference of Skull base surgery society of India, on 10th- 11th October 2014 at JIPMER.


iii) Attended “Hands-on workshop on interphase FISH” at Cytogenetic Unit CMC, Vellore during 04th - 06th February 2015.

iv) Attended “Book writing & Meet the publishers” at JIPMER, Puducherry on 07th Nov 2014.
v) Attended 37th Annual conference of Association of Anatomists Tamil Nadu at Chengalpattu Medical College, on 11th & 12th of October 2014.

vi) Delivered a guest lecture on “Karyotyping and Genetic polymorphism” in the Andhra Pradesh State Anatomists Meet on 4th & 5th, July 2014 at Mamata Medical College, Khammam, Andhra Pradesh.

vii) Delivered a talk on “Surgical Anatomy of Anorectum” in the Conference and certificate course in Benign Anorectal disorders organized by the Department of Surgical Gastroenterology & ACRSI, at JIPMER on 18th July 2014.

Dr. Suman verma


ii) Organizing committee member of the 3rd National Conference of SOCA, held on 24th & 25th May, 2014, Puducherry

iii) Attended CME on Cadaveric Transplant July 7, 2014 at Sree Balaji Medical College, Chennai.

iv) 2nd orientation workshop on epidemiology, on 26th & 27th June, 2014 at JIPMER.

v) Orientation workshop on animal research and lab experimentation, on 31ST JULY 2014 at JIPMER.

vi) Workshop on research grants proposal writing, on October 24 and 25, 2014 at JIPMER.

vii) Orientation workshop on clinical research methodology, November 10, 2014, JIPMER.

viii) Attended Lecture on “Stem cells for neurological disorders: Journey through hope, hype and truth” on February 20, 2015 JIPMER.


Paper presentation:

i) Poster presentation in 62nd National Conference of Anatomical Society of India titled “Multiple nerve variations and third head of biceps brachii in upper limb – A case report.” Imphal, India.

Dr. Rajasekhar. S.S.S.N

i) Attended pre conference CME on “Advancing clinical anatomy education and research” and 3rd National Conference of Society of Clinical Anatomists (SOCA) held on 24th & 25th May, 2014, Puducherry

ii) Attended orientation workshop on Epidemiology, 26th & 27th June, 2014 at JIPMER.

iii) Attended Orientation workshop on Animal Research and Lab Experimentation, on 31st July, 2014 at JIPMER.

iv) Participated in “Workshop on research Grants Proposal Writing”. 24th & 25th October, 2014, JIPMER

v) Attended Orientation Workshop on Clinical Research Methodology on 10th November, 2014 at, JIPMER.

vii) Attended Workshop on Book Writing & Meet the Publishers” on 7th November, 2015 at JIPMER.
Dr. Sulochana Sakthivel


ii) Attended CME on Cadaveric Transplant July 7, 2014 at Sree Balaji Medical College, Chennai.

iii) 2nd orientation workshop on epidemiology, on 26th & 27th June, 2014 at JIPMER.

iv) Orientation workshop on animal research and lab experimentation, on 31ST JULY 2014 at JIPMER.

v) Workshop on research grants proposal writing, on October 24 and 25, 2014 at JIPMER.

vi) Orientation workshop on clinical research methodology, November 10, 2014, JIPMER.

vii) Attended Lecture on “Stem cells for neurological disorders: Journey through hope, hype and truth” on February 20, 2015 JIPMER.


ix) Poster presentation in 62nd National Conference of Anatomical Society of India titled “Accessory Flexor Carpi Ulnaris with Persistant median Artery – A Case report “at Imphal, India.

Dr. Raveendranath.V

i) Attended 2nd orientation workshop on epidemiology organized by department of PSM on 29th & 30th May, 2014 at JIPMER.

ii) Attended Orientation workshop on animal research and lab experimentation, organized by department of Physiology on 30th JUNE, 2014 at JIPMER.

iii) Attended workshop on Biosafety in recombinant DNA research organized by department of Physiology on 30th JUNE, 2014 at JIPMER.

iv) Participated in Workshop on research grants proposal writing, organized by Department of Pediatrics on October 24 and 25, 2014 at JIPMER.

v) Attended workshop on book writing and meet the publishers organized by JIPMER scientific society, on November 10th, 2014 at JIPMER.

vi) Participated in the 72nd National course on educational science for teachers of health professional from 16.02.2015 to 21.02.2015 at JIPMER, Puducherry

Dr. Yogesh Ashok Sonatakke

i) Attended the “11th National Workshop on basic techniques in molecular biology and bioinformatics in Pharmacogenomics” on 18th to 20th Aug 2014 organized by Department of Pharmacology, JIPMER Puducherry.


iii) 2nd orientation workshop on epidemiology, on 26th & 27th June, 2014 at JIPMER.

iv) Orientation workshop on animal research and lab experimentation, on 31ST JULY 2014 at JIPMER.
v) Workshop on research grants proposal writing, on October 24 and 25, 2014 at JIPMER.

vi) Orientation workshop on clinical research methodology, November 10, 2014, JIPMER.

**Dr. Dharmaraj Wamanrao Tamgire**

i) Participated in the 2nd orientation workshop on epidemiology, on 26th & 27th June, 2014 at JIPMER.

ii) Participated Orientation workshop on animal research and lab experimentation, on 31ST JULY 2014, at JIPMER.

iii) Workshop on research grants proposal writing, on October 24 and 25, 2014 at JIPMER.

iv) Orientation workshop on clinical research methodology, November 10, 2014, JIPMER.

**Research Projects**

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<tr>
<th>Sl. No.</th>
<th>Name of principal investigator</th>
<th>Title of project</th>
<th>Duration of project</th>
<th>Funding agency and total funds sanctioned</th>
<th>Collaborating Institution/Departments</th>
<th>Status</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Suma. H. Y</td>
<td>Assessment of frequency of sister chromatid exchange and its association with clinical features in children with Down syndrome.</td>
<td>3 years</td>
<td>Intramural fund</td>
<td>Pediatrics</td>
<td>Ongoing</td>
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<td>2</td>
<td>Dr. Rashmoni Jana</td>
<td>“Effect of chronic stress on morphology of interstitial cell of Cajal (ICC), nitricergic and cholinergic neurons in the enteric nervous system of rat colon”</td>
<td>3 years</td>
<td>Intramural fund Rs. 2,00,000.00</td>
<td>Intra-departmental</td>
<td>Completed</td>
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<td>3</td>
<td>Dr. Sarasu. J</td>
<td>Detection of fetal DNA in maternal plasma as a prenatal diagnostic technique</td>
<td>3 years</td>
<td>Intramural fund Rs 1,50,000.00</td>
<td>Obs.&amp; Gynae.</td>
<td>Ongoing</td>
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<td>4</td>
<td>Dr. V. Gladwin</td>
<td>Assessment of DNA damage in patients with Dementia</td>
<td>2 years</td>
<td></td>
<td>Psychiatry Biochemistry</td>
<td>Ongoing</td>
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Publications:


Patient care services:

Laboratory services:

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<th>Total number performed</th>
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<td>Karyotyping</td>
<td>120</td>
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<tr>
<td>2</td>
<td>Embalming</td>
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</table>

Awards, Honours and other personal achievements:

Awards:

Dr. Suma H. Y

Received Dr. Arumugam Krishnamurthi award for the best paper published in the International Journal of Anatomical Sciences on the topic Coronary venous anatomy and its clinical relevance at Chengalpattu Government Medical College, Chengalpattu, Tamilnadu on 12th October 2014.

Dr. Rashmoni Jana

Won Dr. M M Cooper Award for the best paper presentation at 37th Annual conference of association of anatomists, Chengalpattu Government Medical College, Chengalpattu, Tamilnadu, held on 10th, 11th and 12th October 2014

Professional Memberships

Dr. Parkash Chand

i) Life member of Anatomical Society of India

ii) Life member of Association of Anatomists, Tamil Nadu.

iii) Life member of National Teacher Training Centre (NTTC), JIPMER

iv) Member of JIPMER Scientific Society

Dr. Aravindhan

i) Life member of Anatomical Society of India
ii) Life member of Association of Anatomists, Tamilnadu
iii) Life member of National Teacher Training Centre (NTTC), JIPMER
iv) Life member of Society of Clinical Anatomists
v) Member of JIPMER Scientific Society

Dr. Sivakumar
i) Life member of Anatomical Society of India
ii) Life member of Association of Anatomists, Tamil Nadu.
iii) Life member of National Teacher Training Centre (NTTC), JIPMER
iv) Life member of Society of Clinical Anatomists, Tamil Nadu
v) Life member of Indian Medical Association, Puducherry
vi) Life member of Basic Medical Sciences, Tamil Nadu

Dr. Suma. H. Y
i) Life member of Anatomical Society of India
ii) Life member of Karnataka Chapter of Anatomists
iii) Life member of Association of Anatomists, Tamilnadu
iv) Life member of Indian Academy of Pediatrics, Genetics Chapter
v) Life member of National Teacher Training Centre (NTTC), JIPMER
vi) Life member of Society of Clinical Anatomists
vii) Member of JIPMER Scientific Society

Dr. Rashmoni Jana
i) Life member of Indian Academy of Neuroscience (IAN)
ii) Life member of Anatomical Society of India
iii) Life member of Association of Anatomists, Tamilnadu
iv) Life member of National Teacher Training Centre (NTTC), JIPMER
v) Life member of Society of Clinical Anatomists
vi) Member of JIPMER Scientific Society

Dr. Sarasu. J
i) Life member of Anatomical Society of India
ii) Life member of Association of Anatomists, Tamilnadu
iii) Life member of National Teacher Training Centre (NTTC), JIPMER
iv) Life member of Society of Clinical Anatomists
v) Member of JIPMER Scientific Society
vi) Life member Society for Indian Academy of Medical Genetics
Dr. Gladwin

i) Life member of Anatomical Society of India

ii) Life member of Association of Anatomists, Tamil Nadu.

iii) Life member of National Teacher Training Centre (NTTC), JIPMER

iv) Life member of Society of Clinical Anatomists

v) Member of JIPMER Scientific Society

Dr. Suman verma

i) Life member Anatomical Society of India

ii) Life member National Teacher Training Centre (NTTC), JIPMER

iii) Life member Society of Clinical Anatomists

iv) Life membership of Indian Medical Association, Pondicherry

v) Member of JIPMER Scientific Society

Dr. Rajasekhar. S.S.S.N

i) Life membership of Indian Medical Association, Pondicherry

ii) Life member of Society of clinical Anatomists.

iii) Life member of NTTC.

Dr. Sulochana

i) Life member Anatomical Society of India

ii) Life member National Teacher Training Centre (NTTC), JIPMER

iii) Life member Society of Clinical Anatomists

iv) Life membership of Indian Medical Association, Pondicherry

v) Member of JIPMER Scientific Society

vi) Society for Basic medical sciences

Dr. Raveendranath.V

i) Life membership of Indian Medical Association.

Dr. Yogesh Ashok Sonatakke

i) Life member Anatomical Society of India

ii) Life member Society of Clinical Anatomists

Dr. Dharmaraj Wamanrao Tamgire

i) Member of JIPMER Scientific Society

ii) Life member Anatomical Society of India

iii) Life member National Teacher Training Centre (NTTC), JIPMER
Administrative, Patient care, Educational, Research and other assignments

Dr. Parkash Chand

Departmental Administration:

i) Departmental administration related to equipment, consumable and non-consumable items.

ii) Administration related to technical and non-technical staff

iii) Officer-in-charge for Department Library and Osteology section

iv) Maintenance and supervision of Undergraduate and Postgraduate student’s academic data.

v) Faculty in charge PG programme.

Examiner ship:

i) UG Examiner, JIPMER and Chairman Board of Examiners I MBBS professional examinations.

ii) External Examiner – MD Anatomy, Sri Balaji Vidyapeeth University, Mahatma Gandhi Medical College and Research Institute on 8th & 9th April 2014.

iii) External Examiner – MBBS, Sri Balaji Vidyapeeth University, Mahatma Gandhi Medical College and Research Institute in 16th – 18th June 2014.

iv) Resource person – paper setter for undergraduate and post graduate examinations in the subject of Anatomy.

PG dissertation Guide ship:

i) Dr. Aparna Muraleedharan, for the dissertation titled “Assessment of DNA damage and repair efficiency in Schizophrenia patients by comet assay”

ii) Dr. Surraj, for the dissertation titled “Assessment of DNA damage in children with non-syndromic developmental delay by comet assay”

iii) Dr. Ariyanachi for the dissertation titled “Topographical Landmarks for identification of Branches of the Mandibular Nerve and its Surgical Implications - a Cadaveric Study”

Institutional Administration:

i) Member – workshop article purchase committee

ii) Staff Advisor for students (JSA)

iii) Co-ordinator – Invitation committee for convocation, JIPMER 2014


vi) MCI assessor for UG on 2nd & 3rd May 2014 at GR Medical College, Gwalior.

vii) MCI assessor for PG on 16th May 2014 at Kalinga Institute of Medical Sciences, Bhubaneshwar.

viii) MCI assessor for UG on 29th & 30th May 2014 at Sri Padmavathy Medical College for Women, Tirupathi.

ix) Inspection officer to the Departments of Microbiology, Central Animal House and Physiology for the purpose of condemnation

x) Member Selection committee for the post of Senior Resident on 27th August 2014.

xi) Member Selection committee for the post of Research scientist – II in ICMR project, Department of Microbiology on 3rd April 2014.
Dr. Aravindhan

**Departmental Administration:**

i) In charge for dissection hall and embalming.

ii) Departmental purchase committee member for biochemistry department.

iii) Condemnation officer- External member for Dept. of Anaesthesia.

**Institutional Administration:**

i) Acted as Subject expert for NAC committee approval at Arupadai Veedu medical college, Pondicherry


**PG dissertation Guide-ship:**

i) Dr. Siva Kumar for the dissertation titled “Sequential evaluation of dna damage in patients with head & neck cancer receiving concurrent chemoradiation and its correlation with clinical response”

ii) Dr. Babu Raj Kiran for the dissertation titled “Morphological study of placenta and umbilical cord with its relation to fetus”

iii) Dr. Anitha for the dissertation titled “A study of anatomy of inguinal canal in patients with inguinal hernia”

**Examiner-ship:**


iii) UG Examiner- Malabar Medical College-Kerala university-17th to 20th March 2015

iv) UG examiner for JIPMER

v) PG dissertation evaluator for JSS University & JIPMER

vi) Theory question paper setter for UG’s, PG’s for JIPMER and SRM University.

Dr. Sivakumar

**Departmental Administration:**

i) Officer in charge for B.Sc. MLT & B.Sc AMS Courses

**PG dissertation Guide-ship:**

i) Guide for Dr. A. Manimegalai for the dissertation titled “Assessment of DNA damage and plasma F2 isoprostanes in patients with major depression”

**Examiner-ship:**

i) External examiner for PG dissertation evaluation at Saveetha University, Chennai

ii) Member of the external board for PG question paper review at Sri Balaji Vidyapeeth University, Puducherry

iii) Question paper setter for PG exam at JIPMER

iv) Question paper setter for PG exam at Sri Ramachandra University
v) External examiner for MBBS & MD at RGUHS - Karnataka, Tamil Nadu Dr. MGR Medical University, Dr. NTR University, Kerala University of Health Sciences, Manipal University, Sri Devaraj Urs University, JSS university, Sri Ramachandra University and Chettinad University.

Dr. Suma. H. Y

Departmental Administration:

i) Faculty In-Charge of Cytogenetic laboratory
ii) Faculty In-Charge 1st year B. Sc. Nursing
iii) Faculty In-Charge 2nd year B. Sc. Nursing Genetics
iv) Faculty In-Charge 1st year M. Sc. Nursing Genetics
v) Evaluation of M.D Anatomy Dissertation JIPMER
vi) Member of the Medical genetics workgroup

Examiner ship:

i) Examiner for I B.Sc. MLT and AMS and I MBBS examinations
ii) External examiner for MBBS undergraduate exams at PIMS, Puducherry
iii) Question paper setter for undergraduate exams in anatomy and genetics

PG dissertation Guide-ship:

i) Dr. Harsha Pratap for the dissertation titled “Assessment of sperm DNA integrity in leucocytospermia and its association with levels of Adenosine deaminase in semen”
ii) Dr. Sujitha- “Assessment of chromosomal abnormalities and chromosomal instabilities in couples with recurrent pregnancy loss”

Dr. Rashmoni Jana

Departmental Administration:

i) Officer in charge of Histology section of the department of Anatomy.
ii) Officer in charge of departmental Experimental Animal Laboratory
iii) Faculty in charge for 1st year B.Sc. (Allied Medical Sciences) students
iv) Faculty in charge for 1st year B.Sc. (Medical Laboratory Technician) students
v) Faculty in charge for 1st year EMTC (Emergency Medical Technician Certificate course).

Dr. Sarasu. J

Departmental Administration:

i) Nodal officer for JIPMER website
ii) Officer in charge of JIPMER News/Annual report

PG dissertation Guide-ship:

i) Dr. Adititya for the dissertation titled assessment of Detection of Rh D status of fetus in Rh D negative mother by non-invasive prenatal diagnostic technique.
ii) Dr. Vidya Meena for the dissertation titled Assessment of fetal DNA in maternal plasma as a marker in early detection of Preeclampsia.
Institutional Administration:

i) Group leader (Accreditation) & Member of JIPMER quality Council  
ii) Member of (JIPMER) Institute Stores Article Purchase committee (ISAP)  
iii) Member of JIPMER Student Counselling Committee  
iv) Editorial board of members for JIPMER souvenir  
v) Member of JIPMER Medical genetics workgroup  
vi) Officer for conduct of Physical verification of Condemnation stores for the department of Radiology.

Examiner ship:

i) PG Dissertation Evaluator for M.D Anatomy at JIPMER  
ii) External examiner at Pondicherry University for I MBBs  

Dr. V. Gladwin

Departmental Administration:

i) Officer-in-charge of Microscopy Lab.  
ii) Officer in charge of stores  

PG dissertation Guide-ship:

i) Dr. Narayanan for the dissertation titled “Assessment of DNA damage in patients with Psoriasis vulgaris”.  
ii) Dr. Kiran. K, for the dissertation titled “Genetic Polymorphisms of Maternal MTHFR gene in Neural Tube Birth Defects”

Institutional Administration:

i) Faculty Academic affairs  
ii) Course co-ordinator for BSc MLT & AMS courses  
iii) Member – Plagiarism Checking Committee, JIPMER  
iv) Member - Selection committee for the post of Senior Resident, JIPMER  
v) Institute Representative/Member for Online Distributed system Entrance Examinations, JIPMER  

Examiner ship:

i) External examiner at Pondicherry University for I MBBS  
ii) External Examiner – BDS, Mahatma Gandhi Post Graduate Institute of Dental Sciences & Hospital, Puducherry on 02nd Feb 2015  
iii) External Examiner – MBBS, Sri Venkateshwaraa Medical College Hospital & Research Centre, Puducherry on 07th to 09th July 2014.  
iv) Resource person – paper setter for BSc MLT & AMS examinations in the subject of Anatomy.

Dr. Rajasekhar. S.S.S.N

i) Assistant officer in charge of Dissection Hall and embalming
Dr. Raveendranath.V

i) Assistant officer in charge of Cytogenetic Laboratory

ii) Assistant officer in charge of BSc. MLT & AMS Courses.

Significant events in the Department:

i) Started new cadaver Lab in collaboration with the Department of Neurosurgery at the department of Anatomy, JIPMER.

ii) Up gradation of embalming unit to peristaltic Pressure Pump
DEPARTMENT OF BIOCHEMISTRY

1A. Faculty List:

Professor and Head of the Department : Zachariah Bobby
Senior Professor : Ananthanarayanan P. H.
(Superannuated on 31.1.2015)
Senior Professor : Sridhar M.G
Assistant Professor : Soundravally .R
 : Medha .R
 : Nandeesha .H
 : Balasubramaniyan Vairappan
 : Nivedita Nanda
 : Prashant S. Adole
Lecturer : SenthilKumar .G.P

1B. Non-Faculty List

Scientist IV : Kandasamy .S
Assistant Biochemist : Padmavathy

Background Information of the Department:

Since its inception, the department has been focusing on teaching, patient care services and research. The department has the state of the art clinical chemistry laboratory and equipments for teaching, research and patient care services. The faculties teach and train students of MBBS, MSc, BSc (Medical Lab Technology), BSc (Allied Health Sciences), BSc (Nursing) and PhD programs. Several research activities are carried out with both intramural and extramural funding. Faculty members acted as resource persons for various activities at the local, regional and national level organizations in contributing to the building of a healthy nation.

Educational Courses:

A. Undergraduates

The department continues with its undergraduate teaching programmes which include MBBS (two semesters), BSc (MLT) (two semesters), BSc (Allied medical sciences) BSc (Nursing) (one semester), MRT (two semesters), and MRC (two semesters) and BMRSc (two semesters). New methods of teaching like problem-based learning modules, small group discussions, buzz sessions, revision
exercises like formulation of multiple choice questions and open book examinations were introduced for the second semester to strengthen concepts in biochemistry, introducing the concepts of self-learning and lifelong learning.

**B. Postgraduates**

These include MSc (Medical Biochemistry with intake of 9 students/year (I, II and III year) and MD (Biochemistry)(3 years course) with an annual intake of 4 students. 24 departmental seminars were conducted and 28 journals were presented during postgraduate teaching in the department. After postings at the Super specialty Block, the postgraduate students made departmental presentation regarding review of their tenure. The department has 6 Senior Residents and 12 PhD students.

**C. Higher Specialty Courses-NIL**

**D. Research Courses (PhD course)**

**Dr. M.G. Sridhar**

Following candidates are carrying out their PhD programme under Dr. M.G. Sridhar:

- Mrs. N. Maithili Karpagaselvi  - Molecular basis of the effect of curcumin on insulin resistance and its associated complications in diabetes and obesity
- Ms. R. Sripradha Molecular basis of the effects of Garciniacambogia extracts on obesity and insulin sensitivity in diet-induced obese and insulin resistant animal models

**Dr. Zachariah Bobby**

Following candidates are carrying out their PhD programme under Dr. Zachariah Bobby:

- Mr. P. Sankar. Molecular basis of insulin resistance and its complications in High fat fed ovariectomised female wistar rats: The effects of treatment-
- Ms. Ashwini S. Molecular effects of Costusigneus extract and vitamin B complex on insulin resistance and its complications in isolated and co-existing Type 2 diabetes mellitus and Hypothyroidism
- Mr. V. Vickneshwaran Molecular basis and gene polymorphism of Hypertensive disorders of Pregnancy among South Indian population
- Mr.P.Rajaamuthu Preventive effect of Amla (Emblica officinalis) on the pathobiology of Metabolic Syndrome in a Female Experimental model of Hypothyroidism associated with High Fat Induced Obesity-
- Ms. Angelin Jeba Malar A. Placental insulin signaling and endothelial dysfunction in hypertensive disorders of pregnancy-

**Dr. R. Soundravally**

Following candidates are carrying out their PhD programme under Dr. R. Soundravally:

- Mr. C. Cleetus Gene expression profile of selected inflammatory and oxidant-anti oxidant genes in dengue using peripheral blood mononuclear cells and their correlation with disease severity
- Ms.Daisy Mariya Samadanam Assessment of platelet membrane receptors’ expression, fluidity and functions in dengue viral infection-
- Mrs. Raji R. Assessment of vitamin D related gene polymorphisms in postpartum depression among Indian women
Dr. Medha R.
Following candidates are carrying out their PhD programme under Dr. Medha R:
- Ms. S. Indhumathi Immunogenetics of psoriasis vulgaris in South Indian population
- Ms. S. Anjana Biomarkers of cardiovascular risk and associated gene polymorphisms in patients with psoriasis in South Indian population
- Ms. R. Kalaiselvi Genetics of non-segmental vitiligo in South Indian population

Dr. H. Nandeesha
Following candidates are carrying out their PhD programme under Dr. H. Nandeesha:
- Mr. Karli Sreenivasulu. Role of insulin in the pathogenesis of benign prostatic hyperplasia

Conferences and CMEs organized by the Department:
- CME on ‘Quality Control in Clinical Biochemistry’ was organized by Department of Biochemistry, JIPMER, Puducherry at the Mini-Auditorium, Fourth Floor, Academic Centre on 17th January 2015.

Conferences and CMEs Attended by the Faculty:
Dr. Zachariah Bobby
- Served as resource person in the 73rd National Course on Educational Science for Teachers of Health Professionals held at JIPMER, Puducherry from 16/02/15 to 21/02/15 and has been granted 30 credit points.
- Served as resource person in the 72nd National Course on Educational Science for teachers of Health Professionals held at JIPMER, Puducherry from 02/2/15 to 07/02/15 and has been granted 30 credit points.
- Served as resource person in the National Course on Educational Science for Senior Residents held at JIPMER, Puducherry from 20/01/15 to 22/01/15 and has been granted 15 credit points.
- Organized the CME on ‘Quality Control in Clinical Biochemistry’ by the Dept. of Biochemistry, JIPMER on 17/01/15.
- Served as an invited speaker in the CME-cum-Seminar on ‘Preparation of Manuscript and Publication of Research Papers in Indexed Journals’ organized by the Department of Physiology, JIPMER, Puducherry on 16th December, 2014.
- Participated as a faculty in the Workshop on ‘Research Grant Proposal writing’ organized by the Division of Research, JIPMER on October 10 & 11, 2014.
- Participated as a faculty in the Workshop on ‘Research Grant Proposal writing’ organized by the Division of Research, JIPMER on October 24 & 25, 2014.
- Served as a resource person in the 70th National course on Educational Science for teachers of Health Professionals held at JIPMER from 28/8/14 to 06/09/14 and has been granted 30 credit points.
- Participated as Resource person in a One day workshop for JIPMER faculty on ‘Workplace Based Assessments’ organized by the Department of Medical Education, JIPMER on 19th July 2014.
• Participated as Resource Faculty in the Orientation workshop on ‘Animal and Lab Experimentation’ organized by the division of Research, JIPMER on 30th June 2014.

• Served as a resource person in the Training course on Medical education for Senior Residents from 10/04/14 to 12/04/14, organized by the National Teacher Training Centre for health professionals, JIPMER and has been granted 15 credit points.

• Has participated in the workshop on ‘Biosafety in Recombinant DNA Research’ organized by Division of Research and Dept. of Physiology on 21st August, 2014.

• Served as a resource person and delivered two lectures for the refresher course in Biotechnology, Bioinformatics, Molecular Biology and Micro-Biology for college teachers on 13/03/15 at UGC – Academic staff College, Pondicherry University.

Dr. P. H. Ananthanarayanan

• Organizing patron and guest speaker at the CME on ‘Quality Control in Clinical Biochemistry’ by the Dept. of Biochemistry, JIPMER on 17/01/15.

• Served as resource person in the National Course on Educational Science for Senior Residents held at JIPMER, Puducherry from 20/01/15 to 22/01/15 and has been granted 15 credit points.

• Served as a resource person in the 70th National course on Educational Science for teachers of Health Professionals held at JIPMER from 28/08/14 to 06/09/14 and has been granted 30 credit points.

• Served as a resource person in the Training course on Medical education for Senior Residents from 10/04/14 to 12/04/14, organized by the National Teacher Training Centre for health professionals, JIPMER and has been granted 15 credit points.

• Chaired a session on Research Methodology in the 1st National Annual Conference of the Association of Physiologists of India, JIPMER, Pondicherry, from 17-12-2014 to 19-12-2014

Dr. M. G. Sridhar

• Delivered a guest lecture on “Pathophysiology and Management of Obesity” in 1st National Annual Conference of the Association of Physiologists of India, JIPMER, Pondicherry, from 17-12-2014 to 19-12-2014.

• Presented poster entitled “Garcinia cambogia ameliorates redox imbalance, inflammation and Insulin resistance in high fat fed male Wistar rats” International Conference on Recent Advances in Research and Treatment of Human Diseases and 4th Annual Meeting of Indian Academy of Biomedical Sciences, Hyderabad, 9th-11th Jan-2015.

• Presented poster entitled “Curcumin is effective in the attenuation of high fat diet induced dyslipidemia, inflammation and hepatic steatosis in male Wistar rats.” International Conference on Recent Advances in Research and Treatment of Human Diseases and 4th Annual Meeting of Indian Academy of Biomedical Sciences, Hyderabad, 9th-11th Jan-2015.

Dr. R. Soundravally

• Awarded third prize for the paper entitled “Thyroid status in gestational impaired glucose tolerance (GIGT) and its association with parameters of neonatal growth.” (Award paper presentation) presented at AMBICON – 2014 at Sri Venkateswara Institute of Medical Sciences, Tirupati, 14th–16th November 2014.

• Presented paper entitled “Potential candidates for scoring system to differentiate between
bacterial and viral meningitis in children.” (Award paper presentation) at South regional ACBI-2014 Kasturba Medical college, Mangalore 22nd & 23rd May 2014.

- Presented paper entitled ‘Increased DNA Damage and Massive Apoptosis in Dengue Virus-Infected Peripheral Blood Mononuclear Cells” (oral presentation) at Immunocon 2014 at Madurai Kamaraj University, Madurai, 12-14 December, 2014.


- Chaired a scientific session entitled “Heart to Heart’ at PERTECCON 2014 at JIPMER from 5th to 7th of December 2014.

- Participated as a faculty in the Workshop on ‘Research Grant Proposal writing’ organized by the Division of Research, JIPMER on October 10 &11, 2014.

- Participated as a faculty in the Workshop on ‘Research Grant Proposal writing’ organized by the Division of Research, JIPMER on October 24 & 25, 2014.

- Assisted in organizing the CME on ‘Quality Control in Clinical Biochemistry’ by the Dept. of Biochemistry, JIPMER on 17th January 15.

**Dr. Medha R.**

**International Conferences**

- Awarded the Roche-International Federation of Clinical Chemists (IFCC) Travel Grant Scholarship to attend the 22nd International Congress of Clinical Chemistry and Laboratory Medicine (IFCC WorldLab 2014) for presenting the paper (Free paper-Poster presentation) entitled “Effect of treatment on markers of oxidative stress and systemic inflammation in patients with psoriasis vulgaris” from 22nd to 26th June 2014 at Istanbul, Turkey.

- Paper entitled “Resistin [-420 (C/G)] polymorphism in psoriasis in South Indian population” (Free paper-poster presentation) presented at the Human Genome Meeting 2015, Kuala Lumpur, Malaysia from March 14-17, 2015.

**National Conferences**

- Won the best paper in the poster session for the scientific paper entitled “Effect of treatment on indices of insulin resistance and sensitivity in patients with psoriasis vulgaris” at the South Regional Conference of the Association of Clinical Biochemists of India-2014, on 22nd and 23rd May, 2014, at Center for Basic Sciences, Kasturba Medical College, Mangalore.

- Won the second prize in the award paper session for the paper entitled “Platelet activation in psoriasis and its correlation with disease severity” at the 3rd SRU-CITI International Conference on Ethics and Responsible Conduct of Research : Basics and Beyond conducted by the CITI-India in collaboration with CITI-USA, at Sri Ramachandra University on 11th and 12th November 2014.

- Awarded certificate of excellence for the best scientific paper in the session on “Psoriasis”, for the paper entitled “Association of IL-2 gene polymorphism with psoriasis in South Indian population” at the 18th Dermazone South Conference 2014, held at JIPMER, Puducherry from 19th to 21st September 2014.

- Won the best research paper (oral presentation) for co-authoring the paper entitled “Elevated Procollagen III Peptide and Interleukin-6 in Alcoholic Cirrhosis” at AMBI MIDCON-South
Zonal AMBI Conference-2014 held at Sri Manakula Vinayakar Medical College & Hospital, Puducherry on 7th June 2014.

- Won the best research paper (poster presentation) for co-authoring the paper entitled “Association of Carbohydrate deficient transferrin with disease severity in alcoholic cirrhosis” at AMBI MIDCON-South Zonal AMBI Conference-2014 held at Sri Manakula Vinayakar Medical College & Hospital, Puducherry on 7th June 2014.

- Delivered a invited talk on “Workplace/Work force Safety” and participated as resource faculty in the Patient Safety Session at the Interns Orientation Programme, JIPMER, Puducherry, July 16, 2014.

- Delivered a invited talk on “Genomics of psoriasis-A JIPMER experience” and chaired a session on “Psoriasis” at the 18th South Zone Conference of IADVL-DERMAZONE SOUTH 2014, JIPMER, Puducherry, September 19-21, 2014.

- Delivered a invited talk on “Ethical aspects of research involving humans and animals” and participated as resource faculty at the first and second “Workshops on Research Grant Proposal writing” conducted by Dean (Research) in collaboration with Department of Pediatrics, as part of the “Workshop series for Capacity Building in Research” for faculty, October 10-11 and 24-25, 2014.

- Chaired a session at the 22nd Annual Conference of Association of Medical Biochemists of India. Sri Venkateswara Institute of Medical Sciences, Tirupathi, India, November 14-16, 2014.

- Delivered a invited talk on “Ethical aspects of research involving humans and animals and publication” and participated as resource faculty at the M.Sc./Ph.D. Orientation Programme, JIPMER, Puducherry, December 1 and 2, 2014.

- Delivered a guest lecture on “Issues related to special population, vulnerable groups, assent form & storage of biological samples” and participate as resource faculty at the “Orientation programme on submission of research proposals to IEC (Human Studies)” for faculty and residents, JIPMER, Puducherry, January 19, 2015.

- Delivered a invited talk on “Specific ethical principles for Special Populations” and participated as resource faculty in the Panel Discussion at the Workshop on “Bioethics”, JIPMER, Puducherry, January 24, 2015.

- Appointed as the Joint Organizing Secretary for the CME on “Quality Control in Clinical Biochemistry”, JIPMER, Puducherry. January 17, 2015.


- Paper entitled “Utility of anti-desmoglein titres in disease monitoring in pemphigus” (Free paper-oral presentation) presented at the 22nd Annual Conference of Association of Medical Biochemists of India. Sri Venkateswara Institute of Medical Sciences, Tirupathi, India. November 14-16, 2014.

- Paper entitled “Association of adiponectin [+276 (G/T)] with susceptibility to psoriasis in South Indian population”. (Free paper-oral presentation) presented at the 41st Annual Conference of Indian Immunological Society, Madurai Kamaraj University, Madurai, India. December 12-14, 2014.
Paper entitled “Association of IFN-γ [+874(T/A)] with susceptibility to psoriasis in South Indian population”. (Free paper-poster presentation) presented at the 41st Annual Conference of Indian Immunological Society, Madurai Kamaraj University, Madurai, India. December 12-14, 2014.


Attended the 2nd Leadership Meeting – INDO-US VAP: REPORT INIATIVE INDIA – Grantsmanship Seminar, 10 May, 2014

Attended the Workshop on “Workplace based assessments” JIPMER, Puducherry, July 19, 2014

Attended the Orientation Workshop on Clinical Research Methodology, JIPMER, Puducherry, July 27, 2014

Attended the 2nd Orientation Workshop on “Animal and Laboratory Experimentation”, JIPMER, Puducherry, July 31, 2014

Attended the Workshop on “Institutional Biosafety and recombinant DNA research”, JIPMER, Puducherry, August 21, 2014

Attended the Workshop on “Good Clinical Research Practice”, Department of Clinical Pharmacology, JIPMER, Puducherry, August 22-23, 2014

Attended the Workshop on “Book Writing”, JIPMER Scientific Society, JIPMER, Puducherry, November 7, 2014


Attended the Workshop on “Tissue Microarray”, National Institute of Pathology, ICMR, Safdarjung Campus, New Delhi, India. December 18-19, 2014.


Dr. H. Nandeesha

Paper entitled “Association between prolactin and thyroid hormones with severity of psychopathology and suicide risk in drug free male Schizophrenia” (Free paper-oral presentation) presented at the 22nd Annual Conference of Association of Medical Biochemists of India. Sri Venkateswara Institute of Medical Sciences, Tirupathi, India. November 14-16, 2014.

Awarded best oral presentation for the paper entitled “Elevated Procollagen III peptide and Interleukin-6 in alcoholic cirrhosis” at AMBI MIDCON, Puducherry, 7th June 2014.

Awarded best poster presentation for the paper entitled “Association of Carbohydrate deficient transferrin with disease severity in alcoholic cirrhosis”, at AMBI MIDCON, Puducherry, 7th June, 2014.
- Presented a paper entitled “Assessment of Copper, Ceruloplasmin and hs C-reactive protein in Schizophrenia” at AMBI MIDCON, Puducherry, 7th June 2014.
- Attended the CME on “Modern concepts in clinical nutrition” at MGMCR, Puducherry, March 28, 2015.

**Dr. Balasubramaniyan Vairappan**

- Paper entitled “Leptin regulates hypercholesterolemia in alcoholic liver disease” (poster presentation) presented at the 9th Congress of the Asian-Pacific Society of Atherosclerosis and Vascular Diseases (APSAVD), Hong Kong Convention and Exhibition Center, Hong Kong, September 25-28, 2014.
- Delivered an Invited Talk entitled “Regulation of nitric oxide pathway in cirrhosis” – at the 4th International Annual meeting of Indian Academy of Medical Sciences, IICT-Auditorium, Taranaka Hyderabad, 9th - 11th January 2015.
- Attended the CME on Quality Control in Clinical Biochemistry, Department of Biochemistry, JIPMER, Pondicherry, January 17, 2015.
- Attended the 4th Conclave of Ramalingaswami Re-entry Fellowship at the Institute of Life Sciences, Nalco Square, Bhubaneswar, 30, 31st January and February 1, 2015.
- Attended the Workshop Series on Capacity Building in Research, JIPMER, 29 & 30th May, 2014.
- Attended the Orientation workshop on Animal and Lab Experimentation, JIPMER, 30th June, 2014.
- Attended the Workshop on Research Grant Proposal Writing, division of research, JIPMER, October 10 &11, 2014.

**Dr. Nivedita Nanda**

- Participated as an invited speaker and delivered a lecture on ‘Preparation of manuscript and publication of research papers in indexed journals’ the CME-cum-Seminar (worth 10 credit points), JIPMER, Puducherry, 16 December 2014.
- Participated as an invited speaker and delivered a lecture on “Obesity” at the 1st National conference of ‘Association of physiologists of India’ (ASSOPI) JIPMER, Puducherry, 17-19 December, 2014.
- Attended the workshop on “Orientation workshop on Epidemiology” at JIPMER, Puducherry, 29 and 30 May 2014.
- Attended the workshop on “Animal and Lab experimentation” at JIPMER, Puducherry, June 30, 2014.
- Attended the workshop on “Workplace based assessments” JIPMER, MED, Puducherry, July 19 2014.
- Attended the workshop on ‘Orientation workshop on clinical research methodology’ at JIPMER, MED, Puducherry, July 27, 2014.
- Attended the ‘Short course on Biostatistics and Epidemiology using SPSS’ at CMC, Vellore, from 28-07-2014 to 01-08-2014.
- Attended the workshop on ‘Biosafety in recombinant DNA research’ at JIPMER, MED, Puducherry, on 21-08-2014.
- Attended the workshop on ‘Good clinical research practice’ held at JIPMER, MED, Puducherry, 22 and 23 August 2014.
- Attended the workshop on ‘Research grant proposal writing’ at JIPMER, MED, Puducherry, 10 and 11 October, 2014.
- Attended the workshop on ‘Book writing and meet the Publishers’ at JIPMER, Puducherry, 07-11-2014.
- Attended the workshop on ‘Cardiac and autonomic function tests’ at JIPMER, Puducherry, 15-12-2014.
- Attended the ‘Golden ASSOPICON 2014’ conference at JIPMER, Puducherry from 17-12-2014 to 19-12-2014.

Dr. Prashant S. Adole
- Attended the orientation workshop on” Animal and Lab experimentation” Division of Research & Department of Physiology, at NTTC hall, JIPMER Academic center, JIPMER, Pondicherry, 30th Jun-2014.
- Attended the orientation workshop on “Epidemiology” Department of PSM, JIPMER, NTTC hall, JIPMER Academic center, JIPMER, Pondicherry, 29th & 30th May-2014.
- Attended the workshop on” Research Grant Proposal writing” Division of Research & Department of Pediatrics, at NTTC hall, JIPMER Academic center, JIPMER, 10th & 12th Oct-2014
- Attended the 22nd Annual National Conference of Association of Medical Biochemists of India (AMBICON), Sri Venkateswara Institute of Medical Sciences,Tirupati, 14th – 16th Nov-2014.
- Poster entitled “NAT2 gene polymorphism as a predisposing factor for phenytoin intoxication in tuberculous meningitis or tuberculoma patients having seizures- A pilot study” presented at the 40th Annual Conference of Indian Society of Human Genetics, National Institute of Immunohaematology, Nehru Science Center, Worli, Mumbai, 28th- 30th Jan 2015.
- Participated in the 72th National Teacher Training Center for Health Professionals, JIPMER, Pondicherry, 16th- 21th Feb-2015.

Dr. G. P. Senthil Kumar
Presented the paper entitled “Urolithiasis Associated With Increased Levels Of High Sensitivity C – Reactive Protein And Interleukin-6 In Diabetic Patients” Indian Academy of Biomedical Sciences, Hyderabad, 9th to 11th January, 2015.
## Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of the project</th>
<th>Duration of the project</th>
<th>Funding agency</th>
<th>Collaborating departments</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Zachariah Bobby</td>
<td>Molecular Basis of Insulin Resistance And Its Complications In Isolated And Co-Existing Type 2 Diabetes And Hypothyroidism: Effects of Treatment with Insulin Plant (Costus pictus D.Don).</td>
<td>The concept proposal of the above proposal has been accepted and the expanded version of the full proposal has been submitted.</td>
<td>Indian Council of Medical Research 35,00,000/-</td>
<td>Nil</td>
<td>Under consideration</td>
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<tr>
<td>2.</td>
<td>Dr. Zachariah Bobby</td>
<td>Molecular Basis of Hypertensive disorders of pregnancy among South Indian population</td>
<td>3 years</td>
<td>ICMR, New Delhi 39,66,830/-</td>
<td>Obstetrics and Gynecology, JIPMER.</td>
<td>Ongoing</td>
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<tr>
<td>3.</td>
<td>Dr. Zachariah Bobby</td>
<td>Placental Insulin Signaling in Hypertensive disorders of pregnancy among a South Indian population</td>
<td>3 years</td>
<td>DBT, New Delhi 39,98,400/-</td>
<td>Obstetrics and Gynecology, JIPMER.</td>
<td>Ongoing</td>
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<td>4.</td>
<td>Dr. R. Soundravally</td>
<td>Gene expression profile of selected inflammatory and oxidant-anti oxidant genes in dengue using peripheral blood mononuclear cells and their correlation with disease severity</td>
<td>2013 - 2016</td>
<td>Indian Council of Medical Research; Rs. 31,00000/-</td>
<td>Microbiology Medicine, Pediatrics.</td>
<td>Ongoing</td>
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<td>5.</td>
<td>Dr. R. Soundravally</td>
<td>Platelet associated molecular targets for inflammation, vascular integrity, thrombocytopenia and disease severity in Dengue infection</td>
<td>2014 - 2017</td>
<td>Department of Biotechnology (DBT); Rs. 39,46600/-</td>
<td>Institute: SASTRA University Departments Microbiology, Medicine, Pediatrics.</td>
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<td>6.</td>
<td>Dr. R. Soundravally</td>
<td>Association of Vitamin D and related variables with postpartum depression in South Indian women</td>
<td>2014-16</td>
<td>Department of Science &amp; Technology (DST) Rs.27,26,400/-</td>
<td>OBG, Psychiatry</td>
<td>Ongoing</td>
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<td>7.</td>
<td>Dr. R. Soundravally</td>
<td>Nanodevice for the early prediction of dengue severity - a prognostic tool.</td>
<td>2014-16</td>
<td>India – Singapore Joint Science and Technology research cooperation 59,00,000/-</td>
<td>National university of Singapore and SASTRA University Departments Microbiology Medicine, Pediatrics.</td>
<td>Submitted for DST-ASTAR funding: Joint grant: Out of 120 LOI's submitted 17 were short listed For second review- Currently under review</td>
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<td>8.</td>
<td>Dr. R. Soundravally</td>
<td>Effect of Carica papaya leaf extract on platelet aggregation, membrane fluidity and P-selectin expression in Dengue infection: A randomized controlled trial</td>
<td>2014-16</td>
<td>Grant In Aid for health research scheme of DHR 40,00,000/-</td>
<td>SASTRA University Dept. of Indian Medicine and Homeo pathy, Puducherry Departments Microbiology Medicine</td>
<td>Concept has been Approved and full Proposal is under consideration for funding</td>
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<td></td>
<td>Dr. R. Soundravally</td>
<td>Association of Vitamin B12 metabolites and related gene polymorphisms with postpartum depression</td>
<td>2014-16</td>
<td>Grant In Aid for health research scheme of DHR 25,00,000/-</td>
<td>OBG, Psychiatry</td>
<td>Concept has been Approved and full Proposal is under consideration for funding</td>
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<td>10</td>
<td>Dr. Medha R.</td>
<td>Immuno genetics of psoriasis vulgaris in South Indian population.</td>
<td>3 years</td>
<td>ICMR, New Delhi- Rs. 29.32 lakhs</td>
<td>Dermatology, Clinical Immunology</td>
<td>Ongoing</td>
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<td>11</td>
<td>Dr. Medha R.</td>
<td>Study of genetic factors involved in the pathogenesis of psoriasis vulgaris in South Indian population.</td>
<td>3 years</td>
<td>DBT, New Delhi- Rapid Grant for Young Investigators- Rs. 29.7 lakhs</td>
<td>Dermatology, Clinical Immunology, Biostatistics</td>
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<td>12</td>
<td>Dr. Medha R.</td>
<td>Biomarkers of atherothrombosis, inflammation, endothelial dysfunction, insulin resistance, oxidative stress and associated cardiovascular risk in patients with psoriasis in South Indian population.</td>
<td>3 years</td>
<td>DST, New Delhi- Fast Track Scheme of Young Scientists- Rs. 23 lakhs</td>
<td>Dermatology, Cardiology, Biostatistics</td>
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<td>13</td>
<td>Dr. Medha R.</td>
<td>Genetics of non-segmental vitiligo in South Indian population</td>
<td>Proposal submitted to DST, New Delhi</td>
<td>ICMR, New Delhi Rs.35 lakhs requested</td>
<td>Dermatology</td>
<td>Full Proposal Under consideration by DST, New Delhi</td>
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<td>14</td>
<td>Dr. Medha R.</td>
<td>Biomarkers of cardiovascular risk and associated gene polymorphisms in patients with psoriasis in South Indian population</td>
<td>Proposal submitted to ICMR, New Delhi</td>
<td>ICMR, New Delhi Rs.40 lakhs requested</td>
<td>Dermatology, Cardiology, Clinical Pharmacology</td>
<td>Full Proposal Under consideration by ICMR, New Delhi</td>
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<td>15</td>
<td>Dr. Balasubramaniyan Vairappan</td>
<td>Investigation of NOSTRIN on the regulation of nitric oxide production in the pathogenesis of liver disease</td>
<td>5 Years (April 25, 2013 - April 24, 2018)</td>
<td>DBT-Rama-linga swami Fellowship INR 82 Lakhs</td>
<td>None</td>
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<td>16</td>
<td>Dr. Balasubramaniyan Vairappan</td>
<td>Effect of Candesartan Cilexetil on the modulation of ADMA-DDAH axis in the pathogenesis of hepato-renal syndrome</td>
<td>3 Years</td>
<td>ICMR INR 42.5 Lakhs</td>
<td>None</td>
<td>Accepted for funding</td>
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<td>17</td>
<td>Dr. Nivedita Nanda</td>
<td>Role of osteoprotegerin, neutrophil gelatinase-associated lipocalin, markers of oxidative stress, inflammation and insulin resistance in the severity of coronary artery disease</td>
<td>3 years</td>
<td>ICMR Cardiology, JIPMER</td>
<td>Project approved by ICMR. Awaiting allocation of funds.</td>
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**Publications**

**A. Journals**


15. Maithili KSN, Sridhar MG, Swaminathan RP, Sripradha R. Curcumin Attenuates Oxidative Stress and Activation of Redox Sensitive Kinases in High Fructose and High Fat Fed Male Wistar Rats. Sci Pharm. 2015; 83:159-175. (Impact factor=0.978)


Books chapters

Patient Care Services

Laboratory Investigations in the department of Biochemistry from 01.04.2014 to 31.03.2015:
<table>
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<td>Emergency Medical Services</td>
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<td>3</td>
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<td>Globulin</td>
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<td>Prothrombin Time</td>
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### II. Special Investigations

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<td>Blood Urea</td>
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<td>Serum Creatinine</td>
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<td>4</td>
<td>Serum Sodium</td>
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<td>Serum Potassium</td>
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<td>Serum Chloride</td>
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<td>SGOT (AST)</td>
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<td>SGPT (ALT)</td>
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<td>Serum Amylase</td>
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<td>Creatinine Kinase MB</td>
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<td>Troponin-I Card Test</td>
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<td>Hemoglobin Estimation</td>
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### III. Hormones, Tumor Markers Etc. (Elisa, Ria, Chemiluminiscence)

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<td>Serum Ferritin</td>
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<td>Hormones</td>
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<td>Serum T3 (FT3)</td>
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<td>Serum T4 (FT4)</td>
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<td>Serum (TSH)</td>
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<td>Serum FSH</td>
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<td>Serum LH</td>
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<td>Serum Prolactin</td>
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<td>Stone analysis (Gall stone + Renal stone)</td>
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<td>27</td>
<td>Urine bile salt and bile pigments</td>
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Awards, Honours and Other Personal Achievements:

Dr. Zachariah Bobby
i) Has been accepted as a Fellow of the GSMC-FAIMER Institute, Bombay 2014.

Dr. R. Soundravally
i) Has been accepted as a Fellow of the PSG-FAIMER Institute, Coimbatore, 2014.
ii) Awarded prize for our research paper at AMBICON-2014

Dr. R. Medha
i) Awarded the ICMR Short term Studentship 2015 as guide for the MBBS student project entitled “Association of serum bilirubin and uric acid with estimated glomerular filtration rate in Indian adults”.

ii) Awarded the Roche-International Federation of Clinical Chemists (IFCC) Travel Grant Scholarship to attend the 22nd International Congress of Clinical Chemistry and Laboratory Medicine (IFCC WorldLab 2014) for the paper entitled “Effect of treatment on markers of oxidative stress and systemic inflammation in patients with psoriasis vulgaris” from 22nd to 26th June 2014 at Istanbul, Turkey.


iv) Awarded the second prize in the award paper session for the paper entitled “Platelet activation in psoriasis and its correlation with disease severity” at the 3rd SRU-CITI International Conference on Ethics and Responsible Conduct of Research: Basics and Beyond conducted by the CITI-India in collaboration with CITI-USA, at Sri Ramachandra University on 11th and 12th November 2014.

v) Awarded certificate of excellence for the best scientific paper in the session on “Psoriasis”, for the paper entitled “Association of IL-2 gene polymorphism with psoriasis in South Indian population” at the 18th Dermazone South Conference 2014, held at JIPMER, Puducherry from 19th to 21st September 2014.

vi) Awarded the best research paper (oral presentation) for the paper entitled “Elevated Procollagen III Peptide and Interleukin-6 in Alcoholic Cirrhosis” at AMBI MIDCON-South Zonal AMBI Conference-2014 held at Sri Manakula Vinayakar Medical College & Hospital, Puducherry on 7th June 2014.

vii) Awarded the best research paper (poster presentation) for the paper entitled “Association of Carbohydrate deficient transferrin with disease severity in alcoholic cirrhosis” at AMBI MIDCON-South Zonal AMBI Conference-2014 held at Sri Manakula Vinayakar Medical College & Hospital, Puducherry on 7th June 2014.

viii) Joint Organizing Secretary for CME on Quality Control in Clinical Biochemistry
ix) Resource person, Interns Orientation Programme and M.Sc./Ph.D. Orientation Programmes, JIPMER.

Dr. Nandeesha
i) Member of Flow cytometry society
ii) Member of Association of Medical Biochemists of India

iii) Secured two awards for research work at National Conferences

iv) Joint Organizing Secretary for CME on Quality Control in Clinical Biochemistry

v) Resource person, Interns Orientation Programme

**Dr. Balasubramaniyan Vairappan**

i) Young Investigator Award to top scored abstract entitled “Ornithine phenylacetate improves hepatic dysfunction by attenuating hyperammonemia induced inflammation and portal hypertension in cirrhosis” - 16th ISHEN Symposium, Devere Sunningdale Park, Ascot, London, UK, September 10-13, 2014.

ii) 9th APSAVD Young Investigator Award Grant (USD 1000) (scored best abstract - basic science category) by the Asia Pacific Federation of International Atherosclerosis Society (IAS) for presenting research paper at the 16th Diabetes and cardiovascular risk factors - East Meets West Symposium, Hong Kong, September 25-28, 2014

**Dr. Nivedita Nanda**

i) Editor for ‘Experimental and Metabolic Physiology section’ in International Journal of Clinical and Experimental Physiology (IJCEP).

**Dr. Prashant S. Adole**

i) Member of Association of Medical Biochemists of India

ii) Treasurer for CME on Quality Control in Clinical Biochemistry Resource person, Interns Orientation Programme

**Dr. G.P.Senthilkumar**

i) Member of society of free radical research society.

ii) Organizing for CME on Quality Control in Clinical Biochemistry.

**Administrative, Patient Care, Educational, Research and Other Assignments**

**Dr. Zachariah Bobby**

i) Served as examiner of Pondicherry University Practical Examinations in Biochemistry held at Indira Gandhi Medical College & Research Institute from 26/6/14 to 28/6/14.

ii) Member of review board of the following journals: Metabolism, and Journal of Clinical and Diagnostic Research

iii) Member of the Institutional Committee for Stem Cell Research & Therapy (IC-SCRT), JIPMER.

iv) Member of Doctoral committee for Ph.D programmes at Mahatma Gandhi Medical College and Hospital, Puducherry and in the Departments of Physiology, Pharmacology and Biochemistry, JIPMER.

v) Member of Departmental Promotion Committee for Group A, B and C employees, JIPMER.

vi) Guide for 5 Ph.D students, 3 MD students and 1 M.Sc. (Medical Biochemistry) students.

vii) Fire safety officer in the second floor, JIPMER Academic centre.
viii) Examiner for the PhD public viva at CMC, Vellore.
ix) Served as coordinator and resource person for the M.Sc and PhD orientation programme at JIPMER from 25/11/14 to 2/2/15
x) Internal Expert in Institutional Bio safety Committee (IBSC), JIPMER.

**Dr. M. G. Sridhar**

i) Chairman, Inspection and Procurement of Furniture committee, JIPMER.
ii) Member, Equipment Requirement Review Committee, JIPMER.
iii) Member, Equipment Purchase Committee, JIPMER.
iv) Member, Institute Ethics Committee – Human Studies, JIPMER.
v) Member, Institute Ethics – Human Studies Sub-Committee, JIPMER.
vii) Special Invitee, Scientific Advisory Committee, JIPMER.
viii) Member (till Oct 2014) Kendriya Vidyalaya No 1, Pondicherry, Vidyalaya Management Committee
ix) Inquiry Officer, Departmental Inquiry, JIPMER.
x) Presenting Officer, Departmental Inquiry, JIPMER.
xi) Head of the department (till 26th August 2014) Department of Biochemistry, JIPMER.
xii) Subject expert for Faculty selection interviews at National Institute of Mental Health and Neurological Sciences (NIMHANS), Bangalore.
xiii) Internal Examiner for I year MBBS (June and Aug 2014) and MD (Mar 2015) at JIPMER, Pondicherry
xiv) External Examiner for I MBBS (July and Oct 2014) at All India Institute of Medical Sciences, Raipur and MD (Dec 2014) at Postgraduate Institute of Medical Education and Research, Chandigarh.
xv) MCI Assessor PG courses in a Medical college affiliated to RGUHS, Bangalore
xvi) Member, Pondicherry University Inspection Committee for Medical colleges.

**Dr. R. Soundravally**

i) Member, PhD monitoring committee
ii) Member, JIPMER Student Counseling Committee
iii) Faculty Academics for Allied Medical Science Courses, JIPMER
iv) Resource person, Interns Orientation Program On Quality Care, JIPMER
v) Nodal Officer, B.Sc. MLT Internship Programme, JIPMER
vi) Member of Research Framework Document / Annual Report, JIPMER
vii) Deputy Warden, Curie House I and II
viii) Quality member, JIPMER Quality Council, JIPMER
ix) Member, Anti ragging committee member
x) Member of SPANDAN Reception committee
xi) Deputed as supervisor for the conduct of entrance examination for postgraduate courses JIPMER.

xii) External expert in the evaluation of theory papers of MBBS, Government Medical College, Puducherry.

xiii) Officer-in-Charge, Stores, Department of Biochemistry
xiv) In-Charge for the III year B.Sc-MLT course in the department of Biochemistry, JIPMER.

xv) Expert Member of PhD admission counselling committee, JIPMER

xvi) Serve as examiner of Pondicherry University Practical Examinations in Biochemistry held at Mother Teresa Institute of Dental Sciences from 1/8/14 to 2/8/14.

xvii) Member of Doctoral committee for Ph.Dprogrammes at Mahatma Gandhi Medical College and Hospital, Puducherry and in the Departments of Physiology and Pediatrics, JIPMER.

xviii) Serve as Medical Council Inspector of Pondicherry University for paramedical courses

xiv) Member of Departmental Promotion Committee for Group A, B and C employees, JIPMER.

xx) Guide for 3 Ph.D students, 3 MD students and 2 M.Sc. (Medical Biochemistry) students.

xxi) Served as resource person for the M.Sc and PhD orientation programme at JIPMER from 25/11/14 to 2/2/15

Dr. Medha R.

i) Officer-in-Charge, Biochemistry Laboratory, Superspeciality Block, JIPMER till June 2014.

ii) Officer-in-Charge, EMS Biochemistry Laboratory from Sept 2014

iii) Member, Institute Ethics Committee (Human Studies)

iv) Member, Institute Stores Articles Purchase Committee, JIPMER

v) Member, JIPMER Quality Champions, JIPMER Quality Council, JIPMER

vi) Member, Hospital Information Systems Sub-Committee, JIPMER

vii) Member of Reception Committee, JIPMER Annual Convocation 2014

viii) Member of Publicity Committee, JIPMER Golden Jubilee Celebrations, 2014

ix) Member, Equipment Vetting Committee, Screening OPD and Geriatric Block, JIPMER, Puducherry

x) Member, Screening OPD and Geriatric Block Committee, JIPMER

xi) Stock Verification Officer for Departments of Emergency Medical Services and Trauma Care for the years 2012-13 and 2013-14.

xii) In-Charge for compilation of the Annual Report of the department of Biochemistry, JIPMER

xiii) Fire Safety Officer for the department of Biochemistry, JIPMER

xiv) Expert member of the Selection Committee for the recruitment of Junior Research Fellow for the ICMR project at the Dept. of Microbiology, JIPMER.

xv) Member, Doctoral Committee for PhD students in the Department of Biochemistry and Pediatrics, JIPMER and MGMCR, Puducherry.
xvi) Appointed as Subject Expert, National Board of Examinations, New Delhi for contribution to the Question Bank in the speciality of Biochemistry.


xviii) In-Charge for the II year M.Sc. (Medical Biochemistry) course in the department of Biochemistry, JIPMER.

xiv) In-Charge for the Real time PCR and Gradient PCR Facility, Biochemistry Laboratory, JIPMER Academic Centre and In-Charge for Electrolyte Analyzers, Department of Biochemistry, JIPMER

xx) Examiner for University exams for various courses

xxi) Faculty Guide for 3 M.D. (Biochemistry), 3 Ph.D. (Medical Biochemistry) and 3 M.Sc. (Medical Biochemistry) students in their dissertation work in the department of Biochemistry, JIPMER

xxii) Faculty Co-guide for 3 MD (Dermatology, Venereology and Leprology) students, 1 MD (Anaesthesia), 1 MD(Medicine) student, 2 MS(ENT) student, 3 MD(Pediatrics) students, and 1 MD(Obstetrics and Gynecology) student, 1 M.Ch. (Neurosurgery) at JIPMER.

xxiii) Served as resource person for the Interns orientation programme in the Session on Patient Safety at JIPMER in July 2014.

xxiv) Served as resource person for the M.Sc and PhD orientation programme at JIPMER in November-December 2014

xxv) Served as resource person for the “Orientation programme on submission of research proposals to IEC (Human Studies)” for faculty and residents, JIPMER, Puducherry, January, 2015

xxvi) Life Member, JIPMER Scientific Society, National Teachers Training Centre, Association of Medical Biochemists of India, Indian Immunology Society, Association of DNA fingerprinting and other technologies, Association of Clinical Biochemists of India, Indian Society of Atherosclerosis Research.

xxvii) Reviewer for the journals—Clinical Chemistry Laboratory Medicine, Clinical Experimental Nephrology, Journal of Clinical and Diagnostic Research, International Journal of Advanced Medical Research (IJAMR)

Dr. H. Nandeesh

i) Officer In-Charge of Biochemistry laboratory in Women and Children Block

ii) Nodal officer from Department in designing JIPMER website

iii) Stock verification officer for JIPMER Students Association

iv) Examiner for II year M.Sc and III year B.Sc MLT in JIPMER, Puducherry in May 2014.

v) Examiner for I year MBBS in Mahatma Gandhi medical college and Research Institute, Puducherry

vi) Guide for One PhD and Two M.D students in their dissertation work.

vii) Incharge for I year B.Sc (Nursing), JIPMER

Dr. Balasubramaniyan Vairappan

ii) Editorial Board Member, World Journal of Gastroenterology/Hepatology
iii) Member, European Association for the Study of the Liver (EASL)
iv) Current Member Indian National Association of Study of the Liver (INASL)
v) Life Member, National Teacher Training Centre for Health Professionals (NTTC)
vi) Member, International Society for Hepatic Sinusoidal Research (ISHSR)

vii) Life Member, Indian Society for Atherosclerosis (ISAR)
viii) Officer in charge of EMS lab (3rd call)
ix) Supervise all special investigations in student’s laboratory for Patient care and Research.
x) Review, supervision of status and official paperwork of all types / units of Deep freezers, Refrigerators in the various laboratories of the department
xi) In-charge of setting up Cell Culture Lab in the Department of Biochemistry, JIPMER.

xii) In charge of automated ELISA and coordination of assays carried out for PG dissertations for all Departments.
xiii) Record keeping of the assessment marks of Seminars and Journal clubs.

Dr. Nivedita Nanda

i) Faculty-In-charge Stores, Dept of Biochemistry, from 16-11-2014 till date
ii) Deputy-officer-In-charge SSB, Dept of Biochemistry, from 15-12-13 to 7-8-2014
iii) Faculty-In-charge of Atomic absorption spectrometer (AAS) and the Nephelometer facilities in the SSB block
iv) Faculty-In-charge of 2D Capillary electrophoresis facility in Academic center in the Biochemistry
v) In-charge of all Electrophoresis system in Biochemistry Department:
vi) Nodal officer for BSc MLT (AMS) Course
vii) Editor for Experimental and Metabolic Physiology Section in International Journal of Clinical and Experimental Physiology (IJCEP).
viii) Reviewer for International Journal of Advanced Medical Research (IJAMR)
ix) Actively involved in undergraduate and post graduate academic activities of the department
x) Life-member of Association of Physiologists of India (ASSOPI): 2014
xi) Life-member of Indian science congress (ISC): 2014

Dr. Prashant S. Adole

i) Officer In-Charge of Biochemistry laboratory in EMS block
ii) In-charge of review, supervision of status and official paperwork of all types/units of ELISA system in Biochemistry Department.
iii) In-charge of setting and maintenance of GC-Mass Spectrometry facility in Biochemistry Department.
iv) Member, JIPMER Scientific Society
v) In-Charge for compilation of the Annual Report of the department of Biochemistry, JIPMER
vi) Member, Laboratory services group, JIPMER Quality Council, JIPMER

vii) Guide for One M.Sc. student in her dissertation work.

viii) Faculty Co-guide for 3 MD (Medicine, Psychiatry, Pulmonary medicine) students at JIPMER.

**Dr.G.P.Senthil Kumar**

i) Examiner for B.Sc (AMS) in JIPMER, Puducherry.

ii) Guide for three M.Sc students in their dissertation work.

iii) Co-Guide for four M.D and M.ch students in their dissertation work.

iv) In-charge for I year MSc, I year B.Sc MLT and BSc (AMS courses- Dialysis technology, Neuro technology, perfusion technology and Nuclear Medicine technology) in the department of Biochemistry.

v) In-charge for Biochemistry laboratory Academic Centre and WCH Lab (3rd call).

vi) Ph.D., Viva voce Examiner for Department of Biochemistry, Bharathidasan University, Tiruchirappalli on 20-10-2014.

vii) PhD thesis examiner for Bharathidasan University, Tiruchirappalli.

viii) Doctoral Committee member for Department of Biotechnology, VIT University, Vellore.

**Significant Events in the Department:**

i) Opened a new Clinical Biochemistry lab in the Women and Child Health (WCH) hospital, JIPMER for patient care services.

ii) New sophisticated instruments like Chemiluminescence system from Beckman Coulter for hormonal assays, Beckman Coulter 680 clinical chemistry analyzer for routine Clinical Biochemistry investigations, GCMS and Atomic absorption spectrophotometer have been installed in the department.

iii) Weekly clinical case discussions have been introduced for the post graduate students.

iv) Weekly Patient Care Review and Quality Control audit meeting has been introduced in the department to improve patient care services.
Background information of the department

The department of Cardiology at JIPMER takes pride in maintaining its status as a centre for excellence in cardiology, providing cutting edge training, treatment and research in the field. With three cath labs boasting state of the art technology including FFR, IVUS (Intra Vascular Ultrasound), Rotablation, OCT (Optical Coherence Tomography) and comprehensive electrophysiology mapping system including three dimensional mapping, patients from all over the country have benefited from the interventional procedures. DM Cardiology training program at the department, with an annual intake of four students is a well recognised and sought after teaching program. The recently started BSc Cardiac Lab Technology Course is also popular with 4 candidates inducted every year.

Education courses

i). Higher Specialty Courses - DM (Cardiology)

ii). Other Courses – BSc- Allied Medical Sciences (Cardiology Lab Technologist)

Conferences and CMEs organized by the department

i) IFRIC 2014 - Fifth Indo-French Radial Intervention Course 08-10 May 2014 - International workshop organized by Department of Cardiology, JIPMER

ii) FEW 2014–Foetal Echocardiography Workshop – organised by Department of Cardiology, JIPMER on 29th June 2014

iii) Advanced Cardiac Electrophysiology Workshop – organized by the Department of Cardiology, JIPMER on 26 and 27 October 2014.
## Conferences and CMEs attended by the faculty

### Dr. J. Balachander

<table>
<thead>
<tr>
<th>Role</th>
<th>Name of Program</th>
<th>Sponsor / Organizer</th>
<th>Venue and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Director, Chairperson</td>
<td>Indo French Radial Intervention Course 2015</td>
<td>Department of Cardiology JIPMER</td>
<td>8 May 2014 Pondicherry</td>
</tr>
<tr>
<td>Chairperson, Panelist</td>
<td>FEW 2014-Foetal Echocardiography Workshop</td>
<td>Department of Cardiology, JIPMER</td>
<td>29th June 2014</td>
</tr>
<tr>
<td>Course Director, Chairperson</td>
<td>Advanced Cardiac Electrophysiology Workshop</td>
<td>Department of Cardiology, JIPMER</td>
<td>26 and 27 October 2014 Pondicherry</td>
</tr>
<tr>
<td>National Faculty- Lecture, Chairperson</td>
<td>7th Asia Pacific Heart Rhythm Society Scientific Session</td>
<td>Heart Rhythm Society of India</td>
<td>October 29 to November 1, 2014, New Delhi</td>
</tr>
<tr>
<td>National Faculty- Lecture</td>
<td>Cardiological Society of India 66th Annual Conference</td>
<td>Cardiological Society of India</td>
<td>Dec 4-7, 2014 Hyderabad</td>
</tr>
</tbody>
</table>

### Dr. Santhosh Satheesh

<table>
<thead>
<tr>
<th>Role</th>
<th>Name of Program</th>
<th>Sponsor / Organizer</th>
<th>Venue and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Lecture – Transradial Access</td>
<td>Indo French Radial Intervention Course 2015</td>
<td>Department of Cardiology JIPMER</td>
<td>8 May 2014 Pondicherry</td>
</tr>
<tr>
<td>National Faculty- Lecture “Management of Failed Thrombolysis”</td>
<td>STEMI India Conference</td>
<td>STEMI India and CSI, Mumbai</td>
<td>31 May 1 June 2014 Mumbai</td>
</tr>
<tr>
<td>Faculty Lecture on role of OCT in In stent restenosis</td>
<td>Advanced Cardiovascular Therapeutics</td>
<td>Madras Medical Mission, Chennai</td>
<td>18,19 June 2014 Chennai</td>
</tr>
<tr>
<td>Faculty &amp; Panellist for Clinical Diagnostic Tools in Cardiology</td>
<td>Workshop on “Low cost Clinical diagnostics”</td>
<td>SAASTRA University Tanjavur</td>
<td>14 July 2014 Tanjavur</td>
</tr>
<tr>
<td>Delegate</td>
<td>Workshop on Public Private Partnership</td>
<td>Institute of Secretariat Training and Management, New Delhi</td>
<td>17,18 July 2014 New Delhi</td>
</tr>
<tr>
<td>Faculty &amp; Chairperson FFR &amp; IVUS via Transradial Session</td>
<td>TRICO 2014</td>
<td>Apex Heart Institute, Ahmedabad</td>
<td>11,12 October 2014 Ahmedabad</td>
</tr>
<tr>
<td>National Faculty and Expert Panel Member</td>
<td>National Rheumatic Heart Disease Consortium 2014</td>
<td>AIIMS New Delhi</td>
<td>2, 3 November 2014 New Delhi</td>
</tr>
<tr>
<td>-----------------------------</td>
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</tr>
<tr>
<td>Faculty Lecture - Innovations in Transradial Access</td>
<td>AIMS Transradial Summit 2014</td>
<td>Amrita Institute of Medical Sciences Kochi, Kerala</td>
<td>8 November 2014 Kochi</td>
</tr>
<tr>
<td>Faculty &amp; Chairperson - Complex Coronary Interventions</td>
<td>Tamil Nadu Intervention Council</td>
<td>Cardiology Society India- TN Chapter, Chennai</td>
<td>4 January 2015 Chennai</td>
</tr>
<tr>
<td>Faculty Lecture - Transradial Tips and Tricks</td>
<td>WARIS 2015</td>
<td>Mission Hospital Durgapur</td>
<td>8 February 2015 Durgapur</td>
</tr>
<tr>
<td>National Faculty, Chairperson &amp; Proctor for FFR &amp; OCT Workshop</td>
<td>India live 2015</td>
<td>Cardiology Society of India, Chennai</td>
<td>27, 28 February 2015 Chennai</td>
</tr>
<tr>
<td>Chair person, Faculty Lecture New Approaches in Tackling Atherosclerosis</td>
<td>Indian Society of Heart Research Annual Conference</td>
<td>Jawaharlal Nehru University, New Delhi</td>
<td>14, 15 March 2015, New Delhi</td>
</tr>
</tbody>
</table>

**Dr. Raja J Selvaraj**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name of Program</th>
<th>Sponsor / Organizer</th>
<th>Venue and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proctor</td>
<td>Electrophysiology ablation workshop</td>
<td>Department of Cardiology, PGI</td>
<td>PGI, Chandigarh. 13 April 2014</td>
</tr>
<tr>
<td>Faculty and speaker</td>
<td>Pacemaker therapy summit</td>
<td>Sri Jayadeva Institute</td>
<td>Sri Jayadeva Institute, Bangalore, 3-4 May 2014</td>
</tr>
<tr>
<td>Workshop resource person and speaker</td>
<td>Arrhythmia Heart Failure Conference</td>
<td>Madras Medical Mission</td>
<td>Madras Medical Mission, Chennai. 29-30 August 2014</td>
</tr>
<tr>
<td>Faculty and speaker</td>
<td>EP conference - Arrhythmias Unraveled</td>
<td>Lakeshore Hospital</td>
<td>Lakeshore Hospital, Cochin. 21 September 2014</td>
</tr>
<tr>
<td>Faculty and abstract presenter</td>
<td>Asia Pacific Heart Rhythm Society meeting</td>
<td>Indian Heart Rhythm Society</td>
<td>Delhi. 29 October to 01 November 2014</td>
</tr>
<tr>
<td>Faculty and speaker</td>
<td>TN Electrophysiology Council meeting</td>
<td>TN EP council</td>
<td>31 Jan – 01 Feb 2015</td>
</tr>
<tr>
<td>Faculty</td>
<td>Advanced EP ablation workshop</td>
<td>Medanta – The Medicity hospital</td>
<td>21-22 February 2015</td>
</tr>
<tr>
<td>Faculty and Proctor</td>
<td>Electrophysiology ablation workshop</td>
<td>Department of Cardiology, PGI</td>
<td>PGI Chandigarh, 20 March 2015</td>
</tr>
</tbody>
</table>
### Dr. Ajith Anantha

<table>
<thead>
<tr>
<th>Role</th>
<th>Name of Program</th>
<th>Sponsor / Organizer</th>
<th>Venue and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Case presentation</td>
<td>Indo-vascular Symposium</td>
<td>Narayana Hridayalaya, Bangalore</td>
<td>23-04-14 to 27-04-2014, Bangalore</td>
</tr>
<tr>
<td>2. Faculty Lecture on role of IVUS in In stent restenosis</td>
<td>Advanced Cardiovascular Therapeutics</td>
<td>Madras Medical Mission, Chennai</td>
<td>18-06-14 to 19-06-14, Chennai</td>
</tr>
<tr>
<td>3. Faculty lecture Retrograde CTO PCI</td>
<td>Tamil Nadu Intervention Council</td>
<td>CSI- TN Chapter, Chennai</td>
<td>06-01-15 to 07-01-15 Chennai</td>
</tr>
<tr>
<td>4. Faculty lecture IVUS in Left main PCI</td>
<td>India live annual meet</td>
<td>India live Cardiology, Chennai</td>
<td>26-02-15 to 28-02-15 Chennai</td>
</tr>
<tr>
<td>5. Faculty lecture. Role of Rotablation in ISR – Case presentation</td>
<td>India live annual meet</td>
<td>India live Cardiology, Chennai</td>
<td>26-02-15 to 28-02-15 Chennai</td>
</tr>
<tr>
<td>6. Delegate</td>
<td>RAIN neurovascular meet</td>
<td>SRMC, Chennai</td>
<td>10-12-14 to 12-12-14 Chennai</td>
</tr>
<tr>
<td>7. Delegate</td>
<td>Aortic endovascular summit</td>
<td>MIOT Hospital Chennai</td>
<td>13-01-15 to 14-01-15 Chennai</td>
</tr>
</tbody>
</table>

### Dr. Mahesh Kumar

<table>
<thead>
<tr>
<th>Role</th>
<th>Name of Program</th>
<th>Sponsor / Organizer</th>
<th>Venue and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Delegate</td>
<td>NIC Kochi</td>
<td>CSI Kerala</td>
<td>Kochi; 24-4-2014 to 26-4-2014</td>
</tr>
<tr>
<td>2. Delegate</td>
<td>ACT, Chennai</td>
<td>MMM hospital, Chennai</td>
<td>Chennai; 25-7-2014 to 26-7-2014</td>
</tr>
<tr>
<td>3. Faculty</td>
<td>TN IAP state conference</td>
<td>TN state IAP</td>
<td>Madurai; 20-8-2014</td>
</tr>
<tr>
<td>4. Delegate</td>
<td>TRICO conference</td>
<td>Apex heart institute, Ahmedabad</td>
<td>Ahmedabad; 5-10-2014 to 6-10-2014</td>
</tr>
</tbody>
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### Research projects

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Name of PI</th>
<th>Title</th>
<th>Duration of Project</th>
<th>Funding agency/ total sanctioned</th>
<th>Collaborating Institutions/ Departments</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ajith Ananthakrishna Pillai</td>
<td>UAYI study-Understanding atherosclerosis in Young Indians</td>
<td>July 2014 -June 2017</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>SI No</td>
<td>Name of PI</td>
<td>Title</td>
<td>Duration of Project</td>
<td>Funding agency/ total sanctioned</td>
<td>Collaborating Institutions/ Departments</td>
<td>Status</td>
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<tr>
<td>2</td>
<td>Ajith Ananthakrishna Pillai</td>
<td>Predictors for no-reflow phenomenon in PCI for Acute Coronary Syndrome</td>
<td>May 2014 - ongoing</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Raja Selvaraj (Site PI)</td>
<td>Indian Trial of Endocardial Ventricular Substrate Ablation to Prevent Recurrent VT Events (INTER-VENE)</td>
<td>2012 -</td>
<td>Biosense Webster, ablation catheter provided free of cost</td>
<td>CARE Hospital, Hyderabad</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>Raja Selvaraj</td>
<td>Frequency of sudden death and its predictors in the Indian population</td>
<td>2011-</td>
<td>None</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>5</td>
<td>Santhosh S</td>
<td>Biomarkers in Psoriasis</td>
<td>2013 - 2017</td>
<td>DBT / 35 Lakhs</td>
<td>Depts of Biochemistry and Dermatology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>6</td>
<td>Santhosh S</td>
<td>Magnetocardiogram in heart disease</td>
<td>2013 - 2017</td>
<td>DAE / 20 Lakhs</td>
<td>IGCAR, Kalpakkam</td>
<td>Ongoing</td>
</tr>
<tr>
<td>7</td>
<td>Santhosh S</td>
<td>ISCHEMIA Trial</td>
<td>2013 - 2019</td>
<td>NIH, USA 77 Lakhs</td>
<td>New York University</td>
<td>Ongoing</td>
</tr>
<tr>
<td>8</td>
<td>Santhosh S</td>
<td>Atherosclerosis in south Indians and Caucasians</td>
<td>2014 - 2016</td>
<td>No funding</td>
<td>Lariboisiere Hospital, France</td>
<td>Ongoing</td>
</tr>
<tr>
<td>9</td>
<td>Santhosh S</td>
<td>Pharmacogenomics of Atorvastatin</td>
<td>2013 - 2016</td>
<td>DBT / 26 Lakhs</td>
<td>Dept of Pharmacology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>10</td>
<td>Santhosh S</td>
<td>Development of Dual Drug Eluting Stents</td>
<td>2013 - 2018</td>
<td>SASTRA University 50 Lakhs</td>
<td>SASTRA University</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**Publications**

**Journal articles**


**Books and book chapters**

- ECG for Beginners. Published by Jaypee brothers. Co-author – Raja Selvaraj

**Patient care services**

*(Cumulative count April 2013 – March 2014)*

**Clinical**

**Outpatient services**

- Cardiology OPD (Mon-Fri) - 69123 patients
- Special Clinics (Mon-Thu) - 6763 patients
Inpatient services
- Cardiology Coronary Care Unit - > 95% occupancy
- Cardiology ward - > 95% occupancy

Laboratory

Non-invasive Cardiac lab
- ECG – 38919
- Echo – 27681
- Treadmill test - 1122
- Holter - 229
- Trans-esophageal Echo - 237

Invasive Cardiac catheterization labs
- Coronary angiography - 1837
- Diagnostic catheterization - 180
- Peripheral angiography - 76
- Electrophysiology study - 149
- PTCA and stenting - 617
- Percutaneous Balloon Valvotomies - 78
- ASD device closure - 62
- PDA device closure - 31
- Pacemaker implant - 105
- CRT implant - 13
- AICD implant - 17
- Simple RF ablations - 126
- Complex RF ablations - 21

Awards, honours and other personal achievements

Dr. Ajith Ananthakrishnapillai
i) Best challenging case Award with trophy, felicitation and cash award. Tamilnadu Intervention Council meet Jan 2015 Chennai
ii) Best Respondent case award, India Live Chennai February 2015

Administrative, patient care, educational, research and other assignments

Dr. J. Balachander
i) Medical Superintendent, JIPMER
ii) Executive Member South Asian Federation For Research In Diabetes And Atherosclerosis.
Dr. Santhosh Satheesh

i) Medical Council of India Inspector for DM Cardiology

ii) Member National Rheumatic Heart Disease Consortium Governing Body

iii) Founding Member Heart Failure Association of India

iv) Examiner for DNB (Cardiology)

v) Examiner for DM (Cardiology)

vi) Jipmer Quality Council - Team Leader for Root Cause Analysis and Reporting sentinel Events.

vii) Member, PACRRC, Canteen and DPRC Committees, JIPMER

viii) Co-Ordinator for MOU and Collaboration with Paris7 University, Paris

ix) Coordinator for MOU and Collaboration with SASTRA University, Tanjavur

x) Technical Committee Member to review/vet the Detailed Project Report for upgradation of Rajaji Govt. Medical College, Madurai in the Second Phase of Pradhan Mantri Swasthya Suraksha Yojana (PMSSY)

xi) Member, Expert committee for the Assessment of Indigenous Stents by Indian Council of Medical Research, New Delhi.

xii) Member, Hospital Information System Implementation committee, JIPMER

xiii) Organising Secretary, IFRIC 2014 - Fifth Indo-French Radial Intervention Course 08-10 May 2014

xiv) Organising Secretary, FEW 2014 - Foetal Echocardiography Workshop – organised by Department of Cardiology, JIPMER on 29th June 2014

Dr. Raja J. Selvaraj

i) Member and Coordinator – JIPMER Website Committee.

ii) Institute Representative – Online entrance exam for MS/MD 2014

iii) Member Departmental Purchase Committee

iv) Officer in charge of Academic Program- Cardiology.
v) Organising Secretary, Advanced Cardiac Electrophysiology Workshop – organized by the Department of Cardiology, JIPMER on 26 and 27 October 2014

vi) Treasurer, IFRIC 2014 - Fifth Indo-French Radial Intervention Course 08-10 May 2014

**Dr. Ajith Anantha**

i) Departmental Nodal Officer for BSc( Cath Lab Technology), JIPMER

ii) Officer in Charge, Resident Posting, Department of Cardiology, JIPMER

iii) Member Departmental Purchase Committee

iv) Joint Organising Secretary, IFRIC 2014 - Fifth Indo-French Radial Intervention Course 08-10 May 2014

Dr. Mahesh Kumar

i) Invigilator, DNB Cardiology Examination

ii) Coordinator, DM Cardiology Examinations

iii) Member Departmental Selection Committee for HSAPC

iv) Joint Organising Secretary, IFRIC 2014 - Fifth Indo-French Radial Intervention Course 08-10 May 2014

v) Joint Organising Secretary, FEW 2014 - Foetal Echocardiography Workshop – organised by Department of Cardiology, JIPMER on 29th June 2014

**Significant events in the department**

**Visiting Professors**

i) Professor Eugene Downar from the University of Toronto visited in October 2014 as faculty for the Advanced Cardiac Electrophysiology Workshop.

ii) Professor Patrick Henry, Head Department of Cardiology, Lariboisiere Hospital, University Paris Diderot, Paris visited the department from 8 to 10 May 2014

iii) Dr Logeart Damien, Professor of Cardiology, Lariboisiere Hospital, University Paris Diderot, Paris visited the department from 8 to 10 May 2014

iv) Dr Balu Vaidyanathan, Clinical Professor, Department of Paediatric Cardiology, Visited the department, 29th June 2014

**Patient care**

i) The department initiated a patient satisfaction study with the help of the Social Services Cell of the department for evaluating the patient satisfaction of both outpatients and inpatients taking treatment in Department of Cardiology, JIPMER.

ii) Department of Cardiology became the department treating the largest number of inpatients in JIPMER, under the Tamilnadu Chief ministers Insurance Scheme earning the largest amount under patient care services to JIPMER.

**Education and research**

i) The department conducted multiple training programmes for Faculty and Students visiting from Institutions in India and Abroad in the fields of Radial Angiography and Angioplasty, Fractional Flow Reserve, Optical Coherence Tomography and Cardiac Electrophysiology.
ii) The Department is developing with the help of collaborators in SASTRA University Tanjavur a Innovative Coronary Stent.

iii) The department with collaboration with Indira Gandhi Centre for atomic Research, Kalpakkam is developing the clinical use of Magnetocardiogram for diagnosing cardiac abnormalities

iv) The Department is part of a land mark NIH USA funded Global trail- ISCHEMIA which is recruiting 8000 patients worldwide and Department of Cardiology, JIPMER is expected to recruit around 50 patients.
Background Information of the Department
Versatile spectrum of cardiac, thoracic, and vascular operations are being performed with equal proportion including the routine operations such as CABG, OPCAB, valve repairs and replacements, correction of congenital cardiac malformations, lung resections, mediastinal tumor excision and peripheral arterial embolectomy and bypass. Redo CABG & redo valve replacements, repair of dissecting aortic aneurysms and thoracoabdominal aortic aneurysms, TEVAR, Bentall operation, arterial switch operation, tracheal repairs, Pericardiectomy, cervical rib excision, broncho scopy, AV access surgeries, ECMO are also being performed. Round the clock services are provided for chest trauma. New goals include initiation of MICS, homograft bank, heart and lung transplant.

Education Courses
Undergraduate Courses:
i) BSc (Perfusion technology) - 4 year course - 4 seats per year

Postgraduate Courses: NIL

Higher Speciality Courses:
MCh (Cardiothoracic & Vascular Surgery) - 3 year course – 4 seats per year (2 seats biannually).

The department also provides support in taking classes for the following courses:
i) MBBS
ii) MSc (Nursing)
iii) Post Basic Diploma in Nursing (Operative Room)
iv) Post Basic Diploma in Nursing (Operative Room)
v) BSc (Operative Theatre Technology)
vi) MRD staff trainee course
vii) Emergency Medical Treatment Technician course
The department also has the special responsibility of providing training in Basic Life Support (Cardiopulmonary resuscitation) for the students of BSc (Allied Medical sciences) during their introductory period of the course.

**Conference and CMEs Organized by the Department:**

i) PERTECCON 2014 - A National Conference on “Perfusion Technology – A life saving Dynamic Science and ECMO Symposium” from 5th to 7th December 2014 at JIPMER.

ii) CME on “Postoperative management and infection control following open heart surgery” on 28th April 2014 at JIPMER.

**Conference and CMEs Attended by Faculty:**

**Dr. B.V.Sai Chandran:**

**International & National conferences& workshops:**

i) Attended the “ Transcontinental online congress of live aortic workshop” conducted by West German Heart Center, Essen from 11th to 13th Sep 2014.

ii) As an invited speaker delivered a lecture on “ Patient safety concepts in cardiac surgery through a multiarmed balance model” and also participated as a topic discussant on “General thoracic outcome and efficacy of vats in empyema thoracis” in IACTSCON 2014 - 61st Annual National Conference of Indian Association of Cardiovascular & Thoracic Surgeons (IACTS): conducted at Hyderabad from 19th to 22nd Feb, 2015.


iv) As an organizing secretary of PERTECCON 2014 - A National Conference on “Perfusion Technology – A life saving dynamic science and ECMO Symposium” from 5th to 7th December 2014 conducted at JIPMER. And also delivered lectures on “ Passing on to the next generation - Standardization of training methods” and “Upgrading perfusionist to an independent professional; grades and promotions - the tools for constant drive”

**Other conferences& CME’s:**

i) As an organizing secretary of CME on “Postoperative management and infection control following open heart surgery” on 28th April 2014 at JIPMER and delivered lecture on “Reporting system & control tools of infection”.

ii) As an invited speaker delivered a lecture on “Segmental Analysis and understanding different pathologies -- Surgical Perspective” in the live workshop titled “Techniques in Valve Repair Surgeries - tips & tricks” conducted on 31st May and 1st June at the Fortis hospitals, Bangalore.

iii) Delivered internal oration on ”Cardiac Surgery - Past, Present & Future” in the Jipmer Scientific Society meeting at JIPMER on 29th October 2014.

iv) Participated as a panelist in the discussion on “Case Scenarios of Women with Fetal Anomalies” in the “Fetal Echocardiography Workshop 2014” conducted at JIPMER on 29th June 2014.

v) Attended the symposium on “correction of the corrected transpositions” conducted by the Department of pediatric cardiac surgery, Kokilaben Hospital, Mumbai from 7th to 8th Nov 2014.
vi) Attended the workshop on ‘Workplace Based Assessment’ conducted by the NTTC department, JIPMER on 19th July 2014.

**Dr. Ram Sankar P. :**

**International & National conferences & workshops :**

i) Attended the “Transcontinental online congress of live aortic workshop” conducted by West German Heart Center, Essen from 11th to 13th Sep 2014.

ii) As an organizing faculty of PERTECCON 2014 - A National Conference on “Perfusion Technology – A life saving dynamic science and ECMO Symposium” from 5th to 7th December 2014 conducted at JIPMER. And also delivered lectures on “Organizing ECMO in your hospital”

iii) Attended 72nd National Course on Educational Science for Teachers of Health Professionals held from 16.02.2015 to 21.02.2015

**Other conferences & CMEs**

i) As an organizing faculty of CME on “Postoperative management and infection control following open heart surgery” on 28th April 2014 at JIPMER and delivered lecture on “Vasodilators in postoperative care after cardiac surgery”

ii) Attended Workshop series for “Capacity Building in Research” conducted at JIPMER from 24th and 25th October 2014.

iii) Attended orientation workshop on “Clinical Research Methodology” conducted at JIPMER on 27th July 2014

iv) Attended orientation workshop on Epidemiology, conducted at JIPMER, from 26th to 27th June 2014.

v) Attended orientation workshop on “Animal Research” conducted at JIPMER, on 31st July 2014

vi) Attended workshop on “Good Clinical Research Practice” organised by the department of Clinical Pharmacology, JIPMER from 22nd to 23rd of August, 2014

vii) Attended the workshop on ‘Workplace Based Assessment’ conducted by the NTTC department, JIPMER on 19th July 2014

viii) Attended Workshop on “Research Grant proposal Writing” at JIPMER from 24th to 25th Oct 2014

**Dr. Durgaprasadrath :**

**International & National conferences & workshops:**

i) Attended the “Transcontinental online congress of live aortic workshop” conducted by West German Heart Center, Essen from 11th to 13th Sep 2014.


iii) As an organizing faculty of PERTECCON 2014 - A National Conference on “Perfusion Technology – A life saving dynamic science and ECMO Symposium” from 5th to 7th December 2014 conducted at JIPMER. And also delivered lectures on ‘Blood Conservation’ and also chaired the session on ‘ECMO Symposium’
Other conferences & CMEs

i) As an organizing faculty of CME on “Postoperative management and infection control following open heart surgery” on 28th April 2014 at JIPMER and delivered lecture on “A Novel IV fluid concept approaching normal plasma in postoperative care after cardiac surgery”

ii) Attended Workshop series for “Capacity Building in Research” conducted at JIPMER from 24th and 25th October 2014.

iii) Attended orientation workshop on “Clinical Research Methodology” conducted at JIPMER on 27th July 2014

iv) Attended orientation workshop on Epidemiology, conducted at JIPMER, from 26th to 27th June 2014.

v) Attended orientation workshop on “Animal Research” conducted at JIPMER, on 31st July 2014

vi) Attended Workshop on “Research Grant proposal Writing” at JIPMER from 24th to 25th Oct 2014

Dr. Sreevathsa KS Prasad:

International & National conferences & workshops:

i) Attended the “Transcontinental online congress of live aortic workshop” conducted by West German Heart Center, Essen from 11th to 13th Sep 2014.

ii) As an organizing faculty of PERTECCON 2014 - A National Conference on “Perfusion Technology – A life saving dynamic science and ECMO Symposium” from 5th to 7th December 2014 conducted at JIPMER. And also delivered lectures on ‘Quality Control & Key Performance Indicators in Perfusion Technology” and also conducted the quiz session for the students of perfusion technology.

Other conferences & CMEs

i) As an organizing faculty of CME on “Postoperative management and infection control following open heart surgery” on 28th April 2014 at JIPMER and conducted the quiz programme for the participants.

ii) Attended orientation workshop on Epidemiology, conducted at JIPMER, from 26th to 27th June 2014.

iii) Attended orientation workshop on “Animal Research” conducted at JIPMER, on 31st July 2014

iv) Attended Workshop on “Research Grant proposal Writing” at JIPMER from 24th to 25th Oct 2014

v) Attended live workshop on “Minimally invasive mitral valve surgery” held at MIOT international, Chennai on 4th and 5th April 2014.

vi) Attended Live workshop on “Aortic valve reparative techniques” conducted by the GKNM hospital, Coimbatore 1st and 2nd of Nov 2014.

vii) Attended METAA, 6th International Aortic Summit on Aortic arch and “Thoraco-abdominal Aortic Aneurysm” at MIOT Hospital, Chennai on Jan 9th and 10th, 2015.

viii) Attended Workshop on Minimal Access Cardiac Surgery” at Sri Sathya Sai Institute of Higher Medical Sciences, Whitefield, Bangalore, from March 28th to 29th 2015
Dr. HEMACHANDREN M:

International & National conferences & workshops:

i) Attended the “Transcontinental online congress of live aortic workshop” conducted by West German Heart Center, Essen from 11th to 13th Sep 2014.

ii) As an organizing faculty of PERTECCON 2014 - A National Conference on “Perfusion Technology – A life saving dynamic science and ECMO Symposium” from 5th to 7th December 2014 conducted at JIPMER. And also delivered lectures on ‘Pathways to Research in Perfusion Technology &Basic Statistic lessons” and also conducted the quiz session for the students of perfusion technology.

Other conferences & CMEs

i) As an organizing faculty of CME on “Postoperative management and infection control following open heart surgery” on 28th April 2014 at JIPMER and conducted the quiz programme for the participants.

ii) Attended Live workshop on “Reparative techniques of heart valves” at Fortis hospital, Bangalore on 31st May 2014

iii) Attended orientation workshop on Epidemiology, conducted at JIPMER, from in May 2014.

iv) Attended Orientation workshop on “Animal and Lab Experimentation” division of Research & Department of Physiology, JIPMER, on 30th June 2014

v) Attended Workshop on Research Grant proposal Writing on 10th and 11th Oct 2014 at Mini Auditorium JIPMER a.

vi) Attended Live workshop on “Aortic valve reparative techniques” conducted by the GKNM hospital, Coimbatore 1st and 2nd of Nov 2014

vii) Attended METAA, 6th International Aortic Summit on Aortic arch and “Thoraco-abdominal Aortic Aneurysm” at MIOT Hospital, Chennai on Jan 9th and 10th, 2015.

Research Projects:

<table>
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<tr>
<th>Sl. No</th>
<th>Name of Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From… To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions/ Collaborating Institutions/ Departments</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Sai Chandran B.V.</td>
<td>The pattern of postoperative infections and its determinants among the patients undergoing cardiovascular and thoracic operations in a public tertiary hospital.</td>
<td>2013-2014</td>
<td>-----</td>
<td>Nil</td>
<td>Completed</td>
</tr>
</tbody>
</table>
Comparative analysis of peri operative data to establish efficacy of del Nidocardioplegia solution to 4:1 Blood cardioplegia solution during cardiac surgery in adult acquired cardiac conditions - Retrospective case control Pilot study

Publications:


Patient Care Services:

a. Clinical service

The department has an in-patient capacity of 26 standard beds plus 6 ICU beds and 2 isolation ICU beds. Emergency services are provided 24 hours in all days. The outpatient department runs twice a week (Tuesdays & Thursdays) from 8 am to 4 pm and a special clinic – Heart valve clinic – functions on Mondays. About 150 – 200 patients attend per OPD day with about 20–30 patients being new entries. All the patients planned for operations are registered in waiting list with an entry of about 300 patients currently.

The very sick patients are given priority and admitted irrespective of their waiting list status. Apart from these about 5-7 emergency cases are being referred from various departments and casualty amounting to about 1500 emergency referral cases per year. The operating schedule of 6 days per week for elective procedures (i.e 280 cases per year). Constant efforts are being made to increase the number of operations as soon the strength of anesthesiologists and nurses improve along with the proposed plan of expansion of ICU beds.

Totally 458 operations were performed in the CTVS department during the last financial year (2014-15). Out of these 123 were emergency operations (27%). A total of 246 open heart operations were performed. Thoracic operations were totally 38 and vascular operations were 112. Majority of the patients were very sick patients under the category of high risk in view of terminal stage of the disease due to the long waiting time for surgery after registration in the waiting list.

b. Laboratory:

Chest wall tumor & mediastinal tumor biopsy by open method and also transthoracic FNAC are being done depending on the availability of operating days. Diagnostic and therapeutic rigid and flexible bronchoscopy and limited VATS (Video Assisted Thoracoscopic Surgery) procedures are also being performed.
Awards, Honours and other personal Achievements

Dr. B.V. S Sai Chandran :

i) Undertaken job as MCI Inspector for the Upgradation of Department of Cardiothoracic & Vascular Surgery at Central Government Institute, New Delhi.

ii) Undertaken job as an external examiner for MCh (cardiothoracic Surgery) at Cochin Medical college and Kottayam Medical college of Kerala Health University and also at Nizam’s institute of Medical Sciences, Hyderabad.

Membership in Professional bodies/associations.

i) General secretary, PACTVS (Puducherry Association of Cardiac, Thoracic & Vascular Surgeons) &

ii) Member in
   a. The Society of Thoracic Surgeons (STS).
   b. European Association for Cardio-Thoracic Surgery (EACTS).
   c. The International Society for Heart & Lung transplantation (ISHLT)
   d. Association of Thoracic & Cardiovascular Surgeons of Asia (ATCSA).
   e. Indian Association of Cardiovascular and Thoracic Surgeons (IACTS)
   f. Pediatric Cardiac Society of India (PCSI)
   g. Vascular Society of India (VSI).
   h. Indian Society of Atherosclerosis & Research (ISAR)
   i. JIPMER Quality Council (JQC)
   j. ‘Clean Doctors of india’ (CDocI)

Dr. P. Ram Sankar : Membership in professional bodies

i) Treasurer of Puducherry Association of Cardiac, Thoracic and Vascular Surgeons (PACTVS)

ii) Member in:
   a. Indian Association of Cardiovascular and Thoracic Surgeons (IACTS)
   b. Indian Society for Atherosclerosis Research (ISAR)
   c. Association of surgeons of India

Dr. Durgaprasad Rath : Membership in professional bodies

i) Joint Secretary of Puducherry Association of Cardiac, Thoracic and Vascular Surgeons (PACTVS)

ii) Member in:
   a. Indian Association of Cardiovascular and Thoracic Surgeons (IACTS)
   b. Indian Society for Atherosclerosis Research (ISAR)

Dr. Sreevathsa K S Prasad : Membership in professional bodies

i) Executive member of Puducherry Association of Cardiac, Thoracic and Vascular Surgeons (PACTVS)
ii) Member in:
   a. Indian Association of Cardiovascular and Thoracic Surgeons (IACTS)
   b. Indian Society for Atherosclerosis Research (ISAR)

**Dr. Hemachandren M : Membership in professional bodies**

i) Executive member of Puducherry Association of Cardiac, Thoracic and Vascular Surgeons (PACTVS)

ii) Member in:
   a. Indian Association of Cardiovascular and Thoracic Surgeons (IACTS)
   b. Indian Society for Atherosclerosis Research (ISAR)

**Administrative, Patient Care, Educational, Research and Other Assignments:**

**Dr. B.V. S Sai Chandran :**

i) Overall administrative responsibilities of the department - Academic programmer, duty schedule drafting and implementation for various categories of the work force, purchase activities, interdepartmental coordination, establishment of departmental research activities, etc.

ii) Nodal officer : BSC (Perfusion Technology)

iii) Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing & Post Basic Diploma in Operation Room Nursing,

iv) Examiner for: MCh (CTVS), BSc (Perfusion technology), BSc (Operation room technology),

v) CPIO (Central public information Officer) under Right to Information Act, 2005 at JIPMER for CTVS department.

vi) Member in Hospital Stores & Purchase Article Committee (HSPAC) of JIPMER.

vii) Guideship & Co-guideship in many dissertations of postgraduates, postdoctoral graduates, PhD candidates and also postgraduate nursing students.

viii) Vidyalaya Member committee (VMC) member.

ix) Attended medical camp at Karaikal under the JIPMER outreach medical center.

**Dr. P. Ram Sankar :**

i) Executive Member Jipmer Scientific Society 2014-2015

ii) Member JIPMER Quality Council, Event group

iii) Convener for Cultural Event, The President’s Visit associated with Golden Jubilee celebrations

iv) Examiner for BSc Perfusion Technology

v) Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing & Post Basic Diploma in Operation Room Nursing,

**Dr. Durgaprasad Rath**

i) Examiner for : BSc (Perfusion technology) & BSc (Operation room technology),
ii) Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing & Post Basic Diploma in Operation Room Nursing

**Dr. Sreevathsa K S Prasad**

i) Liaison officer in charge of CTVS infection control wing of HICC.

ii) Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing & Post Basic Diploma in Operation Room Nursing,

iii) Invigilator for JIPMER MBBS entrance examinations

**Dr. Hemachandren M:**

i) Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing & Post Basic Diploma in Operation Room Nursing,

ii) Examiner for BSc Perfusion Technology, Practical Exam, JIPMER Dec 2014

iii) Coordinator for MCh CTVS clinical Examination, JIPMER, Aug 2014

iv) Departmental Nodal Officer for TNCMCHIS.

**Significant Events in the Department:**

i) A new professional body – Puducherry association of cardiac, thoracic and vascular surgeons (PACTVS) – was established with head office at CTVS department, JIPMER.

ii) Initiation of Heart valve clinic at the CTVS OPD exclusively for patients with valvular heart disease – both preoperative and postoperative.

iii) Dr. Shivashanar and Dr. Arun senior residents, won the third place in the quiz competition in @nd postgraduate workshop for CTVS residents organized by GKNM hospital Coimbatore from 25th – 26th July 2014

iv) Dr. Arun – Senior resident won the 2nd place in the quiz competition at CTCME 2014 held at Madurai, organized by IACTS from 12th -13th September 2014


vi) Ms. Pooja, Ms. Elda and Ms. Saranya – the Intern perfusionists, attended the 6th Annual Conference of ECMO Society of India & 2nd Annual Conference of South West Asia at Bangalore, India from 6th to 8th 2015.

vii) Poster presentations in IACTSCON 2015 – by Dr. Arun, Senior Resident

i) Rupture of tricuspid valve following transcatheter retrieval of dislodged atrial septal defect occlusive device - a case report

ii) TEVAR for ruptured thoracic aortic aneurysm – a case report

iii) Dysphagia lusoria – management by carotid transposition of subclavian artery.

iv) Occlusion of prosthetic heart valves – JIPMER experience
Background Information of the Department

Department of Clinical Hematology started functioning since 1st July, 2013.

Though department has no separate beds, department admits patients with various blood cancers like leukemia, lymphoma, multiple myeloma, polycythemia vera etc. in Medicine Unit IV. Chemotherapy for such patients is planned indoors and drugs administered are made available free of cost from JIPMER pharmacy. Patients of leukemia and lymphoma requiring bone marrow transplant are transferred to dept of Medical Oncology for further treatment.

Further, several benign conditions like hemophilia, aplastic anemia, ITP, nutritional anemias are regularly treated in the department.

Hemophilia children are provided free factor VIII from casualty as and when they come with bleeding. We did a unique project lasting three years under which the dept gave factor VIII prophylactically to children once or twice weekly to prevent bleeding in anticipation. The programme had been extremely successful in preventing joint bleeding among hemophilia children.

Educational Courses

i) DM Clinical Hematology

Conferences and CMES attended by faculty

i) Presented a paper at WFH Congress 2014 at Melbourne, Australia during May 2014

ii) Presided over a session at the American Society of Hematology Highlight Meet at Bangkok from 28/2/15 to 1/3/15

iii) Attended 70th Annual conference of the Association of Physicians of India at Gurgaon from 18/2/15 to 22/2/15

Research Projects

i) None

Publications

Journals

i) Amalnath SD, Gopalakrishnan M, Dutta TK. Split-hand/feet malformation in three Tamilian families and review of the reports from India. Indian J Hum Genet. 2014;20:92-5

ii) Verma SP, Dutta TK, Mukta V. Approach to bleeding disorder in a young female. API Medicine Update. 2014; 24: 754-9


Books
None

Book chapters
None

Patient Care Services

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Service</th>
<th>Frequency</th>
<th>No. of patients treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Hematology</td>
<td>Weekly once</td>
<td>2,983</td>
</tr>
</tbody>
</table>

- All indoor hematology patients admitted under MVII

Awards, Honours and other personal achievements

Dr. T.K. Dutta

- Published 10 papers in national and international journals last year.
- Have been in the Editorial Board of International Journal of Hematological Research, Hongkong and wrote an editorial entitled ‘Hemophagocytic Lymphohistiocytosis (HLH) for the journal.
Administrative, Patient Care, Educational, Research and Other Assignments

Dr. T.K. Dutta

i) Teaching, Research and Examiner:

Teaching and supervision of Undergraduate and Postgraduate clinical teaching, bedside clinics and theory class. Guiding two M.D (Medicine) and two D.M. (Clinical Hematology) students for their thesis / dissertation. Question paper setter and Examiner for Undergraduates and Postgraduates in various universities. Have been a DM (Hematology) examiner for Christian Medical College, Vellore. Also has been a Ph.D examiner for Nursing course at Christian Medical College, Vellore last year.

ii) Administrative duties:

- Head of the Dept. of Clinical Hematology
- Head of Medicine Unit-IV
- Officer In-charge of Screening OPD and Geriatrics Block
- Chairman of Drug Purchase and Utilization Monitoring Committee (DPUMC)
DEPARTMENT OF
CLINICAL IMMUNOLOGY

Faculty List:

Professor and Head : Vir Singh Negi
Assistant Professor (Clinical Services) : Mithun CB
Lecturer (Laboratory Services) : Christina Mary Mariaselvam

Background Information of the Department
The Department of Clinical Immunology at JIPMER has been providing OPD/IPD patient care as well as diagnostic and research laboratory facilities in the field of Clinical Immunology since July 2004. Approximately 10-20% of the Indian population suffers from Immunological diseases. Hence, there is a huge demand for these services all over India. Ours is the only centre in South India which provides such comprehensive patient care and diagnostic and research facilities. Many patients with immunological disorders from Puducherry, and neighboring states are referred to JIPMER, for their diagnosis and management. The department has well trained faculty and requisite diagnostic and therapeutic facilities to handle the large patient load. In addition, the department has state of the art research facilities and substantial international (France) and national extramural research funding exceeding Rs.3.90 crore. Since the academic year (2009-2010), two postdoctoral teaching and training programs – DM (Clinical Immunology) and PhD (Immunology) have been started in the specialty. The Department is now in the process of establishing facilities for Stem Cell Transplantation (SCT) and Immunotherapy / Cytatherapy for allergic, autoimmune and malignant disorders. It is hoped that with the establishment of these services, JIPMER will be one of the leading centers in India to offer immunotherapy for autoimmune and other immune mediated disorders.

Educational Courses
Undergraduate Courses :
Nil
Postgraduate Courses :
Nil
Higher Speciality Courses:
i) DM (Clinical Immunology) since academic year 2009.
   Intake: 2 students per year.
   Total number of students enrolled: 6
   (JIPMER is one of the only two institutions in India which offer DM in this advanced branch of Medicine).
Research Courses:

i) PhD (Immunology) since academic year 2009.
   Intake: 2 students per year.
   Total number of students enrolled: 7.
   (One student is enrolled as joint/ cotutelle PhD scholar at JIPMER and University of Paris 7, France.)

Other Courses:

i) Ms. Ben Jamma Sofia (Medical student from Paris University 7 Diderot, Paris, France) –
   Underwent Observership Training in the area of clinical & laboratory immunology from 7th
   July 2014 to 3rd August 2014.

ii) Ms. R. Leena Sharon a Student of Biotechnology Finishing School, The Oxford College of
    Science, Bangalore, completed the internship project entitled “A Study on the ILT6 Gene
    Polymorphism in South Indian Tamil Patients with Sjogren’s Syndrome” from 1st May to 4th
    October 2014 in the area of cell and molecular biology.

Conference and CMEs Organized by the Department:

i) The Department of Clinical Immunology organized an event to release Standard Operating
   Procedures (SOPs), clinical therapeutic protocols and guidelines to help in the management of
   patients with Immunological disorders on 21st June 2014 between 12-12.30 PM, at the reception
   hall of the Superspeciality Block (SSB), JIPMER.

Conference and CMEs Attended by Faculty:

Dr. V.S. Negi

i) Participated in the Workshop on “Social Marketing – A Strategy to Advance Public Health”
   from 10th to 13th June 2014 at Indian Institute of Public Health, Gurgaon.

ii) Participated in the Workshop on “Workplace Based Assessments” organized by the Dept.
    Medical Education, at JIPMER, Puducherry on 19th July 2014.

iii) Participated in the Workshop on “Biosafety in Recombinant DNA Research” organized by
    Division of Research & Dept. of Physiology at JIPMER, Puducherry on 21st August 2014.

iv) Attended the 30th Annual Conference of the Indian Rheumatology Association and the
    preconference CME (IRACON 2014) from 27th to 30th November 2014 at PGIMER, Chandigarh.

v) Attended the “1st National Meeting & Workshop on Extremity MRI in Rheumatology” on 16th
    and 17th January 2015 at Christian Medical College (CMC), Vellore.

Dr. Mithun C.B (Assistant Professor)

i) Attended the CME on “PMR – Disability and Beyond” on 15th February 2015 at the Dept. of
   PMR, JIPMER, Puducherry.

ii) Certificate Course on Basic Life Support (BLS) for Healthcare Providers completed on
    21.08.2014 and Advanced Cardiovascular Life Support completed on 23.08.2014 at JIPMER.

M. Christina Mary (Lecturer)

i) Participated in the Workshop on “Biosafety in Recombinant DNA Research” organized by
   Division of Research & Dept. of Physiology at JIPMER, Puducherry on 21st August 2014.
ii) Presented a poster entitled “Association of NKG2D immuno-receptor polymorphisms with development of deformities in Rheumatoid Arthritis” in the 30th Annual Conference of the Indian Rheumatology Association (IRACON 2014) from 27th to 30th November 2014 at PGIMER, Chandigarh.

iii) Participated in the IEC Orientation Program for Human Ethics on 19th January 2015 at SSB Auditorium, JIPMER, Puducherry.

iv) Participated in the CME on ‘Quality Control in Clinical Biochemistry’ on 17th January 2015 at Mini Auditorium, JIPMER Academic Center, JIPMER, Puducherry.

Research Projects:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From…To…..)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. V.S. Negi</td>
<td>Identification of urinary biomarkers for diagnosis, prognosis and follow up of patients with SLE nephritis</td>
<td>August 2012 - 2015</td>
<td>DBT 11.87 Lacs</td>
<td>National Agencies</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr. V.S. Negi</td>
<td>Role of micro-particles in the pathogenesis of RA and JIA</td>
<td>2014-2017</td>
<td>ICMR 48.2 LAKH</td>
<td>National agencies</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

II. International Collaboration (Indo-French)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From…To…..)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. V.S. Negi</td>
<td>Immunopsychiatry in South India Study (IPS): Immunogenetic &amp; immunophenotype characterization of major psychoses</td>
<td>2014-2017</td>
<td>2.81 crore (1.18 crore – JIPMER 1.63 crore – French Institute)</td>
<td>International collaboration</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
### a. Intramural funding

<table>
<thead>
<tr>
<th></th>
<th>Name</th>
<th>Title</th>
<th>Duration</th>
<th>Funding</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. V.S. Negi</td>
<td>Comparison of Combination Disease modifying Drugs (DMARDs) with single drug (methotrexate) therapy in Early Rheumatoid Arthritis</td>
<td>April 2014 – March 2015</td>
<td>JIPMER 0.75 Lacs</td>
<td>Intramural Funding</td>
</tr>
<tr>
<td>2</td>
<td>Dr. V.S. Negi</td>
<td>Effect of disease modifying antirheumatic drugs (DMARD) therapy on immune response to influenza vaccination in rheumatoid arthritis</td>
<td>April 2014 – March 2015</td>
<td>JIPMER 0.75 Lacs</td>
<td>Intramural Funding</td>
</tr>
<tr>
<td>3</td>
<td>Dr. V.S. Negi</td>
<td>Immunological and Molecular characterization of selected pollen allergens and their role in allergic rhinitis and bronchial asthma</td>
<td>April 2014 – March 2015</td>
<td>JIPMER 1.75 Lacs</td>
<td>Intramural Funding</td>
</tr>
<tr>
<td>4</td>
<td>Dr. V.S. Negi</td>
<td>Transcriptome signatures of CD4+ T cell subsets and their role in the pathogenesis of Rheumatoid Arthritis</td>
<td>April 2014 – March 2015</td>
<td>JIPMER 1.75 Lacs</td>
<td>Intramural Funding</td>
</tr>
<tr>
<td>5</td>
<td>Dr. V.S. Negi</td>
<td>Study on the role of microparticles in the pathogenesis of Rheumatoid arthritis and Juvenile Idiopathic Arthritis</td>
<td>April 2014 – March 2015</td>
<td>JIPMER 1.75 Lacs</td>
<td>Intramural Funding</td>
</tr>
</tbody>
</table>
Publications :

Journals

Published :

i) Christina Mary Mariaselvam; Martin Masayuki; Sofiane Salah; Hélène Teisserenc; Wahid Boukouac; Dominique Charron; Krishnamoorthy Rajagopal; Ryad Tamouza; Vir Singh Negi. Cytokine expression and cytokine-based T cell profiling in South Indian Rheumatoid Arthritis. Immunobiology. DOI: 10.1016/j.imbio.2014.06.004.


Books:

Nil

Book Chapters:


Patient Care Services:

a. Clinical services

At present, the “Department of Clinical Immunology” and its “Clinical Immunology Laboratory” offer a large number of patient care services. The immunodiagnostic services include advance
immunological (Indirect Immunoflorescence, ELISA, RIA, Nephelometry, Immunoblotting) and molecular (PCR- HLA B27, ABDR, DR-DQ) tests for early and specific diagnosis of autoimmune disease and Skin Prick Test (SPT) for allergic respiratory disorders. We offer HLA Typing services to the patients undergoing renal transplant. The treatment facilities offered include latest therapeutic modalities like:

- Immunomodulator / immunosuppressive and biological response modifier therapy for autoimmune disorders
- Joint and soft tissue injections for inflammatory arthritis and soft tissue rheumatism
- Allergen specific immunotherapy in the form of sublingual immunotherapy (SLIT) for bronchial asthma and allergic rhinitis.

The facility created is utilized by all the general and super specialty departments of the Institute. We are now in the process of establishing Immunotherapy / Cytatherapy facility as a part of establishment of immunotherapy for autoimmune and malignant disorders at JIPMER and hope to offer these services to the needy patients soon.

b. Laboratory Services

We perform a large number of immunological and molecular tests related to patient diagnostics and research activities. In addition, we perform therapeutic procedures for patient management. The number of the tests and procedures performed (Diagnostic + Therapeutic + Research) has increased exponentially. The total number of diagnostic tests and therapeutic procedures performed in the year 2014-2015 was 17,227. In addition, 8,042 research investigations were also performed which are likely to be helpful in establishing newer patient care facilities in near future.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Test / Procedure</th>
<th>Numbers performed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2014-2015</td>
</tr>
<tr>
<td></td>
<td><strong>Patient care services</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>I. Diagnostic Services</strong></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>ELISA</td>
<td>4,319</td>
</tr>
<tr>
<td>2.</td>
<td>Indirect Immunoflorescence (IIF)</td>
<td>1,388</td>
</tr>
<tr>
<td>3.</td>
<td>Nephelometry</td>
<td>3,454</td>
</tr>
<tr>
<td>4.</td>
<td>Latex agglutination Method</td>
<td>1,962</td>
</tr>
<tr>
<td>5.</td>
<td>Immunoblot (ENA)</td>
<td>126</td>
</tr>
<tr>
<td>6.</td>
<td>HLA B27 PCR</td>
<td>646</td>
</tr>
<tr>
<td>7.</td>
<td>HLA Typing ABDR (PCR-SSP)</td>
<td>22</td>
</tr>
<tr>
<td>8.</td>
<td>HLA Typing DRDQ (PCR-SSP)</td>
<td>10</td>
</tr>
<tr>
<td>9.</td>
<td>Allergy test (SPT)</td>
<td>28</td>
</tr>
<tr>
<td>10.</td>
<td>Joint aspirations &amp; Crystal examination</td>
<td>365</td>
</tr>
<tr>
<td>11.</td>
<td>Musculoskeletal Ultrasound</td>
<td>1,124</td>
</tr>
<tr>
<td>12.</td>
<td>TBNK assay</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total (I)</strong></td>
<td></td>
<td><strong>13,464</strong></td>
</tr>
</tbody>
</table>
II. Therapeutic procedures

<table>
<thead>
<tr>
<th></th>
<th>Name of the Test / Procedure</th>
<th>Numbers performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Intra-articular injections</td>
<td>3,038</td>
</tr>
<tr>
<td>2.</td>
<td>Immunosuppressive therapy</td>
<td>369</td>
</tr>
<tr>
<td>3.</td>
<td>Biological therapy</td>
<td>74</td>
</tr>
<tr>
<td>4.</td>
<td>Others</td>
<td>282</td>
</tr>
<tr>
<td></td>
<td><strong>Total (II)</strong></td>
<td><strong>3,763</strong></td>
</tr>
</tbody>
</table>

(A) Total Patient care services (I+II) 17,227

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Test / Procedure</th>
<th>Numbers performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>DNA Extraction</td>
<td>1,053</td>
</tr>
<tr>
<td>2.</td>
<td>DNA Quantification</td>
<td>107</td>
</tr>
<tr>
<td>3.</td>
<td>Real Time PCR (Genotyping)</td>
<td>3,652</td>
</tr>
<tr>
<td>4.</td>
<td>PCR – RFLP</td>
<td>2,092</td>
</tr>
<tr>
<td>5.</td>
<td>PCR</td>
<td>998</td>
</tr>
<tr>
<td>6.</td>
<td>Flow cytometry</td>
<td>20</td>
</tr>
<tr>
<td>7.</td>
<td>PBMCs Isolation</td>
<td>20</td>
</tr>
<tr>
<td>8.</td>
<td>Estimation of MTXPG levels by LCMS</td>
<td>100</td>
</tr>
<tr>
<td>(B)</td>
<td><strong>Total research</strong></td>
<td><strong>8,042</strong></td>
</tr>
<tr>
<td>Total</td>
<td>(A + B)</td>
<td><strong>25,269</strong></td>
</tr>
</tbody>
</table>

Awards, Honours and other personal Achievements

i) S. Aparna (PhD Scholar) – is being trained at the hospital Saint Louis, INSERM Unit 1160, Paris, France from 01.11.2014 to 30.04.2015 for a period of 6 months under the CEFIPRA collaborative research project between Government of India and Government of France.

Administrative, Patient Care, Educational, Research and Other Assignments:

Dr. V.S Negi (Professor & Head)

Member of the following committees at the national and institute levels

National:

i) Member, MCI core committee on development of curriculum for DM, Clinical Immunology.

ii) Member, Vasculitis Core Group of India of Indian Rheumatology Association

iii) Inspector for DM (Clinical Immunology) and DM (Rheumatology) of the Medical Council of India.

iv) Member of Technical committee for equipment procurement under “Prime Minister’s Swasthya Suraksha Yojana (PMSSY)” scheme of Govt. of India.

v) Member editorial board ‘Indian Journal of Rheumatology.’

vi) Expert Committee Member for the proposal “Creation of Centre for Immunology and Molecular Medicine (CIMM) at AIIMS, New Delhi.

vii) Executive Editor, “Internet Journal of Rheumatology & Clinical Immunology.
Institutional:

i) Member committee for establishing Multidisciplinary Advanced Research Centre (MARC)

ii) Member, ‘PhD Doctoral Committee’ Dept. of Botany, Pondicherry University.

iii) Member, ‘Local Ethics Committee, CCRH, Puducherry.

iv) Member, Institutional Committee for Stem Cell Therapy and Research (IC-SCRT), JIPMER

v) Member, ‘Medical Genetics Workgroup (MGWG)’, JIPMER

Other assignments

i) Conducted the DM (Rheumatology) final examinations at NIZAM’s Institute of Medical Sciences, Hyderabad on 14.07.2014 and 15.07.2014 as the External Examiner.

ii) Conducted the DM (Rheumatology) Clinical examinations at Christian Medical College (CMC), Vellore on 09.02.2015 and 10.02.2015 as the External Examiner.

iii) Attended the Expert Committee Meeting for the “Creation of Centre for Immunology and Molecular Medicine (CIMM) on 25th August 2014 at AIIMS, New Delhi as the Committee Member.

iv) Attended the Golden Jubilee Celebrations of JIPMER on 26.09.2014 as a Technical Committee Member.

Significant Events in the Department :

A. Up-gradation of Education Facilities:

An international cotutelle / joint PhD program with the University of Paris 7, Paris, France is ongoing under an MOU between JIPMER and University of Paris 7, Paris, France. Under this program at present one student is enrolled as joint PhD student at both the institutions. The second student is likely to enroll in the academic year 2015-2016.

B. Establishment of New Patient Care Facilities:

1. Diagnostic:
   - C1 INH estimation for the diagnosis of the hereditary angioneurotic edema.

2. Therapeutic :  NIL

C. Establishment of New Research Facilities
   - Stem Cell Culture facility

D. New Equipment Acquired: (Under CEFIPRA grant)
   - Magnetic Separator Block
   - Incubator
   - Hot air oven
   - Micropipettes
   - Bench top Mini Centrifuge
E. Visiting Professors:

I. Visit of Foreign Faculty:

1. Prof. Robert Fox, USA visited the Dept. of Clinical Immunology on 4th December 2014.

2. Dr. Rajagopal Krishnamoorthy INSERM, Paris visited JIPMER under the Indo-French CEFIPRA funded project from 1st to 7th & 18th to 21st February 2015.

II. Visits of Indian Faculty:

1. Dr. (Lt. General) Ved P Chaturvedi, (PVSM, AVSM, VSM) DGFM & Director, Army Hospital (RR), Dhaula Kuan, New Delhi visited JIPMER as a DM (Clinical Immunology) External Examiner from 4th to 5th August 2015.

2. Dr. G. Harish Kumar, Scientist ‘D’, SERC-Division, Dept. of Science and Technology, New Delhi visited JIPMER under the DST funding project from 7th February 2015 for site inspection.
**Background Information of the Department**

Clinical pharmacology is the scientific discipline that involves all aspects of the relationship between drugs and humans. Clinical pharmacologists participate in and guide the process of new drug development, undertake pharmacovigilance, pharmacoepidemiology and pharmacoeconomic activities. The discipline has a major role in contributing towards drug related issues in the academia, government and pharmaceutical industry.

Currently India is emerging as a hub for clinical research. There are very few clinical pharmacologists available to fulfill the growing demands of academia as well as industry. Hence to satisfy the need of the country and add to the armamentarium of JIPMER super specialty services, the Department of Pharmacology, JIPMER started DM Clinical Pharmacology course in 2009 as a separate division. From 1st July 2013 it started functioning as a separate department. At present, the department of Clinical Pharmacology has clinical pharmacology ward, clinical pharmacology OPD, ADR monitoring centre, drug information centre and clinical research lab.

**Educational Courses**

**Higher Speciality Courses**

i) The DM Clinical Pharmacology super specialty course was started on 1st October 2009 with an intake of one candidate per year based on the performance in the entrance examination. The major aim of this course is to train medical doctors in Clinical Pharmacology after they have obtained requisite post graduate qualifications. The course has been designed to impart an all round training in scientific evaluation of drugs in man.

**Research Courses**

i) Two full time Ph.D. students are working under the guidance of Dr. C Adithan.

**Other Courses: Short Term Training**

i) One month student training programme in Pharmacogenomics research: (June 2014) Mr.K.Vignesh, M.Tech (Biotechnology) student from the Dept. of Biotechnology & Genetic Engineering, School of Biotechnology, Bharathidasan University, Tiruchirappalli. Worked under the guidance of Dr.S.Sandhiya, with the topic, “Frequency of genetic polymorphism in
CRHR1, GLCCI1 and FCER2 in healthy Tamilian population” in ongoing Ph.D thesis work of Mrs. Revathy N.

ii) Two months student training programme in Pharmacogenomics research: (Feb & Mar 2015)

Ms. P. Saranya Rani, M.Sc (Biotechnology) student from the Dept. of Biotechnology, University of Madras (Guindy Campus), Chennai. Worked under the guidance of Dr. S. Sandhiya, with the topic, “Frequency of genetic polymorphism in CRHR1, GLCCI1 and FCER2 in Tamilian patients with mild or moderate persistent asthma” in ongoing Ph.D Thesis work of Mrs. Revathy N.

Conference and CMEs Organized by the Department:

i) “GOOD CLINICAL RESEARCH PRACTICE” workshop was organized by Department of Clinical Pharmacology, JIPMER, on 22nd and 23rd of August, 2014. 162 participants all over India has participated in this workshop. Tamil Nadu Medical Council, Chennai, has awarded 4 Credit hours of Category 2. Dr. C. Adithan was the Organising chairman and Dr. S. Sandhiya was the organising secretary for this workshop.

ii) Third International and Sixth National Annual Conference of Indian Society for Rational Pharmacotherapeutics ISRPTCON 2014 organized by Department of Pharmacology in collaboration with department of Clinical Pharmacology under the aegis of Indian Society for Rational Pharmacotherapeutics on 21st and 22nd of November 2014 at Anandha Inn convention centre Pondicherry. Dr. C. Adithan was the Organising co-chairman and Dr. S. Sandhiya was the venue committee incharge.

iii) ICMR sponsored workshop on “BIOETHICS” organised by, Department of Clinical Pharmacology, JIPMER, Puducherry was held in Super Specialty Block auditorium, JIPMER on 24.01.2015. This workshop was awarded by Tamil Nadu Medical council, Chennai – 2 Credit hours of Category 2 CME credits and JIPMER, Puducherry - 2 Credit hours and 10 credit points. Dr. C. Adithan was the Organising chairman and Dr. S. Sandhiya was the organising secretary for this workshop.

Conference and CMEs Attended by Faculty:

i) Dr C Adithan delivered a talk on “Specific ethical principles for Genomic research, Storage and Transfer of biological samples” in ‘Bioethics workshop 2015’ on 24th, January 2015


iii) Dr S Sandhiya delivered invited talks on “Data collection and ethics in research” and “How to write discussion and conclusion” at International workshop on thesis writing organized by Department of Medical Research, Indira Gandhi Government General Hospital and Post graduate Institute, Puducherry on Feb 27th 2015.

iv) Dr S Sandhiya delivered invited talk on “Genomics for prevention & treatment of diseases” on 18th December 2014 at First national conference of Association of Physiologists of India (GOLDEN ASSOPICON-2014), organized by Dept of Physiology, JIPMER.

v) Dr S Sandhiya delivered a talk on “Calculation of compensation in clinical trials” in ‘Good Clinical Research Practice workshop’, held on 22-23rd, August 2014, JIPMER and in ‘Bioethics workshop’ on 24th, January 2015

vi) “Good Clinical Research Practice” workshop on 22nd and 23rd of August, 2014 was attended by Dr Vikneswaran and Dr Ravindra BK.
vii) The workshop on GRiP, Global Research in Pediatrics, to improve drug safety in children was held on 19th and 20th of November 2014 at JIPMER. This was attended by Dr S Sandhiya, Dr Ravindra B K and Dr Vikneswaran.

viii) Conference: ISRPTCON 2014 on 21st and 22nd of November 2014 at Anandha Inn convention centre Pondicherry was attended by Dr Vikneswaran and Dr Ravindra BK.

ix) The “Workshop on Book Writing & Meet the Publishers” was organized by JIPMER Scientific Society in collaboration with office of Dean Research, JIPMER on 7th November. This was attended by Dr Ravindra BK.

x) “Workshop on Bioethics 2015” held on 24th of Jan 2015 at JIPMER was attended by Dr Vikneswaran and Dr Ravindra BK.

xi) Dr G Vikneswaran has attended the AHA certified BLS & ACLS course held on 12th -14th February, 2015 at JIPMER, Puducherry.

**Research Projects:**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of project (From... To...)</th>
<th>Funding agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions/Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N. Revathy</td>
<td>Influence of genetic polymorphism and prakriti type on response to Inhaled Corticosteroids (ICS) in South Indian patients with persistent asthma</td>
<td>March 2012 to August 2014</td>
<td>Intramural fund Rs. 1,98,000/- (2013-2014)</td>
<td>Respiratory Medicine, Medicine</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Suresh Kumar S</td>
<td>Effect of vitamin D on vascular health in hypertensive patients with vitamin D deficiency.</td>
<td>April 2012 to May 2014</td>
<td>-</td>
<td>Medicine, Endocrinology</td>
<td>Completed in FY 2014-15</td>
</tr>
<tr>
<td>4</td>
<td>Ravindra B K</td>
<td>Adverse effects of docetaxel and its association with albumin level in cancer patients</td>
<td>April 2013 to March 2016</td>
<td>Rs 80,000 (2013-2014) Rs 80,000 (2014-2015)</td>
<td>Oncology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Sl. No</td>
<td>Name of Principal Investigator</td>
<td>Title of Project</td>
<td>Duration of project (From… To..)</td>
<td>Funding agency and Total Funds Sanctioned</td>
<td>Collaborating Institutions/ Departments</td>
<td>Status (completed in FY 2014-15 or ongoing)</td>
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</tr>
<tr>
<td>5</td>
<td>Dr S Sandhiya</td>
<td>Comparison of efficacy, cost effectiveness and safety of famciclovir and valacyclovir in Herpes zoster – a randomized controlled double blind parallel arm study (FAVER study)</td>
<td>2015 to 2017</td>
<td>Nil</td>
<td>Dermatology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>6</td>
<td>Dr Steven A Dkhar</td>
<td>Cardiopulmonary exercise testing in South Indian healthy volunteers.</td>
<td>2012 to 2015</td>
<td>Nil</td>
<td>Medicine Endocrinology Cardiology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>7</td>
<td>Dr Steven A Dkhar</td>
<td>Population pharmacokinetics and pharmacogenetics of tacrolimus in renal transplant patients.</td>
<td>2013 to 2016</td>
<td>Nil</td>
<td>Nephrology Medicine</td>
<td>Ongoing</td>
</tr>
<tr>
<td>8</td>
<td>Dr Vikneswaran G</td>
<td>Comparison of safety, efficacy and cost effectiveness of saroglitazar and fenofibrate in diabetic dyslipidemia – a randomized double blind pilot study</td>
<td>2015 to 2016</td>
<td>Rs 75,000 (2015-2016) Rs 75,000 (2016-2017)</td>
<td>Endocrinology Medicine</td>
<td>Ongoing</td>
</tr>
<tr>
<td>9</td>
<td>Dr Vikneswaran G</td>
<td>Effect of metformin on exercise capacity in treatment naïve type 2 diabetes mellitus</td>
<td>2015 to 2016</td>
<td>Nil</td>
<td>Endocrinology Medicine</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**Publications April 2013 - March 2014:**

**Journals**


iii) Narayan SK, Verman A, Kattimani S, Ananthanarayanan PH, Adithan C. Plasma homocysteine


Book chapter :


Patient Care Services:

A) The department is providing clinical services namely adverse drug reaction monitoring and drug information services. During the year FY 2014 – 2015, a total of 1226 adverse drug reactions (ADR) have been reported to the ADR Monitoring Centre in the department.

B) Drug information centre (DIC) is providing information regarding drugs and drug interactions to the clinicians.

Awards, Honours and other personal Achievements

i) The article on “Allele and genotype frequency of a genetic variant in ataxia telangiectasia mutated gene affecting glycemic response to metformin in South Indian population” published in IJEM has won the first prize for best original article. This was authored by Saranya Vilvanathan, Umamaheswaran Gurusamy, V Mukta, Ashok Kumar Das, Adithan Chandrasekaran and published in IEJM, November-December 2014, 18(6):850-854. The prize involves a certificate and cheque for Rs 10,000.

ii) Dr S Sandhiya was awarded MNAMS membership by National Academy of Medical Sciences in October 2014.

Administrative, Educational, Research and Other Assignments:

Dr. C. Adithan

i) Member, Indian Pharmacopeia commission.

ii) Member Secretary, Institute Ethics Committee (Human studies), JIPMER

iii) Co-ordinator, ADR monitoring centre, JIPMER

iv) Member, New Drug Advisory committee (Neurology, Psychiatry, Dermatology)

v) Chairman, Institute Ethics Committee, VCRC, Puducherry

vi) Co chairman, Task force in Pharmacogenomics, ICMR
vii) Member, Project review committee-Pharmacology, ICMR
viii) Chairman, Medical Genetics Working group, JIPMER

**Dr S Sandhiya**

i) Member, Institute Ethics Committee (Human studies), JIPMER
ii) Member, Medical Genetics Working group, JIPMER

**Significant Events in the Department:**

**I. Visiting Professor:**

i) Dr Samir Malhotra, Additional Professor from department of Pharmacology, PGIMER, Chandigarh had visited our department from 11th to 12th September 2014 as a visiting professor. He gave talks on clinical trials, Nanotechnology, Systematic reviews, Metaanalysis etc.

ii) He also delivered a JSS guest lecture on “Malignant tumor afflicting EBM (Evidence Based Medicine)” at SSB auditorium. This was organized by JIPMER Scientific Society & Department of Clinical Pharmacology on 11th September, 2014 at 3.30 pm.

**II. Pharmacovigilance Awareness Programme**

ii) Department of Clinical Pharmacology, JIPMER, conducted Pharmacovigilance Awareness Programme during the months of November 2014 to January 2015 for the following 12 departments: Medicine, Pulmonary Medicine, Dermatology & STD, Pediatrics, Neurology, Cardiology, Endocrinology, Medical Gastroenterology, Nephrology, Medical oncology, Clinical immunology and Psychiatry

A total of 147 doctors and 171 nurses from JIPMER participated in this awareness programme.
DEPARTMENT OF DENTISTRY

Faculty List:

Additional Professor and Head : Madhan. B
Associate Professor : B. Krishnan

Background Information of the Department

The Department of Dentistry currently has 4 dental chairs along with modern dental equipments and provides quality dental care to the patient population. There is also an attached clinical laboratory which is dedicated for the fabrication of dental and maxillofacial prosthesis. The support staff for patient care services includes one Senior Resident, five Junior Residents (NPG), one Dental Hygienist and one Dental Mechanic.

Educational Courses:

Undergraduate Courses

The department undertakes teaching programme for undergraduate (MBBS) students. During their clinical posting, the students are exposed to dental procedures being performed which help them obtain a basic knowledge of common dental and maxillofacial pathologies. Special emphasis is laid on community Oral Cancer Screening. Didactic lectures allow students to understand the manifestations of several systemic diseases in the oral cavity.

Other Courses

The department conducts classes in Emergency Management of Maxillofacial injuries for Trauma Technician (Diploma) students and classes on Basic Oral Pathology for allied courses. Lectures and practical demonstrations on surgical dentistry & maxillofacial surgery are conducted for students of Operation Theatre Technician Course.

Conferences and CMEs Organized by the Department - Nil

Conferences and CMEs attended by the faculty

Dr. Madhan.B

Attended

i) Orientation Workshop on ‘Epidemiology, organized by Dean (Research) in collaboration with Department of Preventive and Social Medicine, JIPMER on 26th and 27th June 2014 at JIPMER Academic Centre.

ii) User Training and awareness Program on the use of e-journals through ERMED Consortium, organized by the National Medical Library in collaboration with JIPMER on 2nd July 2014 at JIPMER Academic Centre.

iii) Workshop on ‘Workplace Based Assessments’ organized by the Department of Medical Education, JIPMER on 19th July 2014 at JIPMER Academic Centre.
iv) Orientation Workshop on ‘Animal and Lab Experimentation’, organized by Dean (Research) in collaboration with Department of Physiology, JIPMER on 31st July 2014 at JIPMER Academic Centre.

v) Orientation Program on ‘REDCap’, organized by JITS, JIPMER on 7th August 2014 at JIPMER Academic Centre.

vi) IBSC Workshop on ‘Biosafety in Recombinant DNA Research’, organized by Division of Research and Department of Physiology, JIPMER on 21st August 2014 at JIPMER Academic Centre.

vii) Workshop on ‘Research Grant Proposal Writing’, organized by Dean (Research) in collaboration with Department of Paediatrics, JIPMER on 24th and 25th October 2014 at JIPMER Academic Centre.

viii) Workshop on ‘Book Writing and Meet the Publishers’, organized by JIPMER Scientific Society and the Division of Research, JIPMER on 7th November 2014 at JIPMER.

ix) Orientation Workshop on ‘Clinical Research Methodology’, organized by Division of Research and Dept. of Anaesthesiology, JIPMER on 10th November 2014 at JIPMER Academic Centre.

x) 49th Indian Orthodontic Conference held from 21-23rd November 2014 at Kolkata

xi) Short course in Biostatistics on ‘Sample size calculation’ on 12, 13th December 2014 at CMC, Vellore.


xiii) 72nd National Course of Educational Science for Teachers of health Professionals at NTTC, JIPMER from 16th to 21st February 2015.

Chair a session
i) 49th Indian Orthodontic Conference held from 21-23rd November 2014 at Kolkata

Delivered a lecture
i) “Unconventional Orthodontics: Challenging the clinical Dogmas” at the meeting of the Mangalore Orthodontic Study group on 22nd January 2015 at Mangalore.

ii) Keynote address at the 19th National Post-graduate convention of the Indian Orthodontic Society held at Bangalore from 28th February – 1st March 2015.

iii) Guest lecture and hands-on training on ‘Cephalometric Superimposition’ on 9th March 2015 at Meghna Institute of Dental Sciences, Nizamabad.

Conducted a Workshop
i) National workshop / Hands-on course on “Modern Edgewise Mechanics” on 22, 23rd January 2015 at Yenepoya University, Mangalore.

Dr. Krishnan. B
Delivered a lecture
i) “Dental considerations in cleft lip and palate deformities” at Continuing Medical Education during cleft week celebration of JIPMER SMILE TRAIN Project, March 2015.
**Research Projects**

<table>
<thead>
<tr>
<th>Sl. no</th>
<th>Principal Investigator</th>
<th>Title of project</th>
<th>Duration of Project</th>
<th>Funding agency and total funds sanctioned</th>
<th>Collaborating institutions / Departments</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Krishnan.B</td>
<td>Wound healing complications following dentoalveolar surgery in patients with Type 2 Diabetes Mellitus.</td>
<td>2 years</td>
<td>JIPMER Rs. 80000 /-</td>
<td>Depts. of Dentistry and Medicine</td>
<td>On-going</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Krishnan.B</td>
<td>Assessment of bleeding complications following dentoalveolar surgery in patients on uninterrupted dual antiplatelet therapy.</td>
<td>2 years</td>
<td>NA</td>
<td>NA</td>
<td>On-going</td>
</tr>
</tbody>
</table>

**Publications**

**A. Journals**


**Patient Care Services:**

The department performs a variety of dental procedures like extractions, restorations, implant surgery, oral prophylaxis, removable and fixed prosthesis, maxillofacial prosthesis, root canal treatment etc. The entire range of minor dentoalveolar and soft tissue surgeries are also being performed. Dental and oral care in the pre and post radiotherapy/chemotherapy phase for patients with oral oncology is provided. Medically compromised patients needing oral surgical procedures are referred to this Department by other institutions/hospitals. The Department helps in fabrication of prosthesis following plastic surgery, neuro-surgical and CTVS procedures. 7 beds are available in the ward for inpatient care. Maxillofacial surgical procedures are performed under general anesthesia on Fridays and alternate Mondays. Oral and Maxillofacial Trauma and facial space infections are managed almost exclusively by the Department. Maxillofacial reconstructive surgeries, orthognathic procedures, management of maxillofacial pathologies and oral oncology surgeries are also being performed regularly. Equipments
such as Maxillofacial trauma and Reconstruction Kit, Electrosurgical Cautery, Mobile LED Head lights, Dental Diode laser, Digital Radiovisiography and Surgical Physiodispenser are available for patient care services. A digital OPG and Cephalometric X-ray imaging unit has also been recently procured.

A total of 20854 patients were examined and treated in FY 2014-2015

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Procedures</th>
<th>Total Nos.</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Total number of Patients</td>
<td>20854</td>
</tr>
<tr>
<td>2</td>
<td>Extractions</td>
<td>3125</td>
</tr>
<tr>
<td>3</td>
<td>Restorations</td>
<td>1358</td>
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<tr>
<td>4</td>
<td>Oral Prophylaxis</td>
<td>1174</td>
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<tr>
<td>5</td>
<td>Periapical Radiographs</td>
<td>888</td>
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<tr>
<td>6</td>
<td>Prosthesis/ orthodontic appliance</td>
<td>297</td>
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<tr>
<td>7</td>
<td>Root Canal Treatment</td>
<td>74</td>
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<tr>
<td>8</td>
<td>Out-patient Minor Oral Surgery</td>
<td>1143</td>
</tr>
<tr>
<td>9</td>
<td>In-patient Major Oral &amp; Maxillofacial Surgery</td>
<td>114</td>
</tr>
<tr>
<td>10</td>
<td>Inpatient Admissions</td>
<td>205</td>
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<tr>
<td></td>
<td>Emergency Medical Service</td>
<td>1118</td>
</tr>
</tbody>
</table>

The department has participated in seven Special Health Camps conducted by the institute in Puducherry and TamilNadu. It is also actively involved in managing patients under various programs / schemes like School Health Check-up, Medical examination of Sports personnel, Staff Wellness program, TamilNadu Chief Minister’s Comprehensive Insurance program etc.

**Awards, Honours and Other Personal Achievements**

**Dr. Madhan.B**

i) Invited to deliver the Keynote address at the 19th National Post-graduate convention of the Indian Orthodontic Society held at Bangalore from 28th February – 1st March 2015.

**Administrative, Patient Care, Educational, Research and Other Assignments**

**Dr. Madhan.B**

i) Assumed charge as the Head of the Department of Dentistry with effect from 1st December 2014.

ii) Nominated as Internal Expert for vetting the specifications of equipment for the Dental Unit at the Screening OPD block.

iii) Coordinating officer for the Department of Dentistry in the Screening OPD committee

iv) Member of selection committee for Junior Resident – Dentistry (NPG)

v) Nodal officer for the JIPMER Website.
vi) External examiner for MDS examinations on 26, 27th November 2014 at Yenepoya University, Mangalore.

vii) Conducted the MDS Model Practical Exam in Orthodontics on 10th March 2015 at Meghna Institute of Dental Sciences, Nizamabad

**Dr. Krishnan.B**

i) Institute Representative (Pondicherry) for JIPMER PG Entrance examination, December 2014.

ii) Member of selection committee for Junior Resident-Dentistry (NPG).

iii) Member of JIPMER Quality Council (JQC).

iv) Subject expert for Oral and Maxillofacial Surgery, National Board of Examinations, New Delhi.

v) Nominated as Member, Subject Expert Committee (Dentistry), Drugs Controller General India DCG(I), Ministry of Health and Family Welfare, Govt of India.

vi) Committee member, JIPMER Golden Jubilee Celebration 2014.

vii) Executive Committee member, 16th Annual Conference of Skull Base Society of India, JIPMER October 2014.

**Significant Events in the Department**

- The Bed strength for the inpatient care has been increased from four to seven in the FY 2014-15.
- The OT slot for Dentistry has been increased from 4 to 6 per month.
- The number of Senior Residents in the department has been increased from one to three.
DEPARTMENT OF
DERMATOLOGY & STD

Faculty List:

Professor & Head of the Department : TJ Jaisankar
Professor-in-charge &
Head, Faculty Publications : DM Thappa
Associate Professor : Laxmisha Chandrashekar
: Rashmi Kumari
Assistant Professor : Nidhi Singh
: Malathi Munisamy

Background Information of the Department:

Department is committed to excellence in medical and in-patient dermatology. Its primary focus is on the management of psoriasis, vitiligo, deep fungal disease, autoimmune blistering disorders and severe adverse cutaneous drug reactions. The department also has specialized clinics catering to leprosy, sexually transmitted infections, psoriasis and vitiligo. A specialized pediatric clinic caters to the special problems of this age group. The department is also exploring into the field of laser and cutaneous surgeries. It has been augmented with numerous lasers in this regard. The department is focused on research especially hypothesis driven and has initiated and collaborated on multiple projects in the field of psoriasis and leprosy.

Educational courses

A. Undergraduate Courses
i) The department has active undergraduate UG teaching programmes which include MBBS (two semesters), B.Sc(Nursing) and M.R.Sc.(Medical Record).

B. Postgraduate Courses
These include five MD postgraduates in Dermatology, Venereology and Leprology.

C) IADVL training fellowships in clinical dermatology and dermoscopy

D) Short term training programme as observership (one month) in Dermatology

Conferences and CMEs organized by the department
i) The Department of Dermatology in association with Indian Association of Dermatologist, Venereologist and Leprologists (IADVL), Puducherry branch organized DERMAZONE SOUTH 2014, XVIII South zone conference on 19th, 20th and 21st September 2014 at JIPMER Puducherry.

ii) The Department of Dermatology organized a CME on “Update in Pediatric Dermatology” at JIPMER, Puducherry on 1st March 2015.
Conferences and CMEs attended by faculty

**Dr. T. J. Jaisankar**

i) Attended DERMAZONE –SOUTH 2014, XVIII South zone conference organized by Department of Dermatology, JIPMER in association with Indian Association of Dermatology, Venereology and Leprologists (IADVL), Puducherry branch on 19th, 20th and 21st September 2014 at JIPMER Puducherry.

ii) Attended CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.


**Dr. D M Thappa**

i) Delivered “AK Dutta Memorial Oration” on “STI: Spectrum of vaginal discharge in India” on 29th June, 2014 at Department of Dermatology, NRSMCH, Kolkata.

ii) Attended CUTICON TN 2014, 5th State Conference of IADVL TN Branch held on 8th and 9th August 2014 at Madurai. He delivered a guest lecture on “Vaginal discharge – syndromic management”

iii) Attended IADVL MID DERMA Central Council (CC) meeting held on 16th and 17th August 2014 at Aurangabad. He was attending as CC member and former editor in chief to present Accounts of Indian Journal of Dermatology, Venereology and Leprology.

iv) Attended workshop on “Good clinical Research practice” organized by the Department of Clinical Pharmacology at JIPMER on 22nd and 23rd August 2014.

v) Attended 6th CODFICON held on 29th and 30th August 2014 at Srinagar, Kashmir and he delivered a guest lecture “Airborne contact dermatitis”.


vii) Attended 4th Continental Congress of Dermatology of ISD and 37th Annual Convention PDS on 4th to 7th November, 2014 at the EDSA Shangri-La Manila, Phillipines.

viii) Delivered a guest lecture on “Paediatric psoriasis” at CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.


**Dr. Laxmisha Chandrasekhar**

i) Attended RePORT India Grantmanship Seminar on 10th May 2014 organized by INDO-US VAP: RePORT initiative at JIPMER, Puducherry

ii) Presented ICMR taskforce report of High frequency ultrasound and biomarkers for the diagnosis and management of type 1 lepra reaction on 23rd June 2014 at New Delhi.

iii) Delivered an invited talk on “Hand Eczema” and participated as a panelist in a Panel Discussion on “Recent Advances in Contact Dermatitis” and as resource faculty at the Zonal CME on
“Contact dermatitis and Occupational Dermatoses” held at M.S. Ramaiah Medical College, Bangalore on 7th September 2014

iv) Chaired the session on “Pediatric Dermatology” in the free paper and e-poster sessions during DERMAZONE SOUTH 2014 on 19th and 20th September 2014 at JIPMER, Puducherry.

v) Conducted workshops on “Trichoscopy” and “Dermoscopy” at DERMAZONE SOUTH 2014 on 19th and 20th September 2014 at JIPMER, Puducherry.

vi) Delivered an invited talk on “How to write a concept proposal” and participated as resource faculty at the “Workshop on Research Grant Proposal writing” on October 10th and 11th conducted by Dean (Research) in collaboration with Department of Pediatrics, as part of the “Workshop series for Capacity Building in Research” for faculty.

vii) Attended Clinical Trials & Case control study designs Workshop, CMC Vellore held from 20th to 25th October, 2014.

viii) Delivered an invited talk entitled “Dermoscopy: Diagnosis by Pattern Analysis” at the 5th Annual Conference of Indian Association of Dermatologists, Venereologists and Leprologists-Karnataka Chapter (CUTICON-KN-2014) from 1st to 2nd November 2014 at SBMP Medical College, Hospital & Research Center, BLDE University, Bijapur

ix) Attended the Workshop on “Book Writing”, JIPMER Scientific Society, JIPMER, Puducherry, November 7, 2014

x) Delivered a guest talk entitled “Dermoscopy in vitiligo and other hypopigmented disorders” and participate in a panel discussion on dermoscopy at the Dermoscopy Workshop and CME on Pigmentary Disorders by IADVL-SIG Pigmentary Disorders and IADVL-West Bengal State Branch at Kolkata on 4th January 2015.

xi) Delivered a guest talk entitled “Aquaporin-3 in patients with vitiligo” and moderated the panel discussion on “Dermoscopy” and during 43rd National Conference of the Indian Association of Dermatologists, Venereologists and Leprologists (IADVL)-DERMACON 2015 organized by IADVL-Karnataka Branch at Mangalore from 12th to 15th February, 2015.

xii) Attended Course on Advanced Statistics held on 1st to 5th December, 2014 at National Institute of Epidemiology (ICMR), Chennai.

xiii) Delivered a guest talk entitled “Pattern analysis for inflammatory skin disorders” at the CME cum workshop on Dermatopathology organized by Sri Manakula Vinayagar Medical college, Pondicherry on 1st February, 2015.

xiv) Conducted a panel discussion on interesting case scenarios in pediatric dermatology at CME on “Update in Pediatric Dermatology” organized by Department of Dermatology, JIPMER at JIPMER, Puducherry on 1st March 2015.

xv) Delivered a guest talk entitled “Cutaneous manifestations of systemic lupus erythematosus” at the CME organized by Aarupadai Veedu Medical college, Pondicherry on 4th March, 2015.

xvi) Currently undergoing a Short Term Fellowship offered by Human Resource Development Ministry in the area of Clinical Trials-Systematic Reviews from 9th March 2015 to 6th June 2015 at the South Asian Cochrane Centre, Christian Medical College, Vellore, Tamil Nadu, India.

Dr. Rashmi Kumari

i) Attended workshop on “Good clinical Research practice” organized by the Department of Clinical Pharmacology at JIPMER on 22nd and 23rd August 2014.
ii) Participated as a panelist in the panel discussion on “LASERS and hair therapy” at DERMAZONE SOUTH 2014 on 20th September 2014 at JIPMER.

iii) Conducted JQC training for WHO Fellow in 21.10.14 at SGE Conference room

iv) Conducted a panel discussion on interesting case scenarios in pediatric dermatology at CME on “Update in Pediatric Dermatology” organized by Department of Dermatology, JIPMER at JIPMER, Puducherry on 1st March 2015.


**Dr. Nidhi Singh**

i) Attended RePORT India Grantmanship Seminar on 10th May 2014 organized by INDO-US VAP: RePORT initiative at JIPMER, Puducherry

ii) Attended “Orientation Workshop on Epidemiology” a part of workshop series on capacity building in research organized by Division of Research, JIPMER and Department of Preventive & Social Medicine, JIPMER on 29th and 30th May 2014.

iii) Attended “Orientation Workshop on Animal and Lab Experimentation” organized by Division of Research, JIPMER and Department of Physiology, JIPMER on 30th June 2014.

iv) Attended workshop on “Orientation Workshop on Clinical Research Methodology” organized by Division of Research, JIPMER and Department of Anesthesiology & Critical Care, JIPMER on 27th July 2014 at JIPMER.

v) Attended workshop on “Good clinical research practice” organized by the Department of Clinical Pharmacology at JIPMER on 22nd and 23rd August 2014.

vi) Attended workshop on “Workshop on Research Grant Proposal Writing” organized by Division of Research, JIPMER and Department of Pediatrics, JIPMER on 10th and 11th October 2014 at JIPMER.

vii) Attended “5th Short course on Basic Epidemiology” conducted by Department of Preventive and Social Medicine, JIPMER from 10th to 15th November 2014 at JIPMER.


ix) Participated as faculty in workshop on “Trichoscopy” on 19th September 2014 and delivered talk on “Trichoscopy of cicatricial alopecia”

x) Participated as faculty in workshop on “Dermoscopy” on 20th September 2014 and delivered talks on “Dermoscope and principles of dermoscopy” and “Dermoscopy of nail fold capillaries”.

xi) Chaired the sessions on “Leprosy” and “Therapeutics” in the free paper and e-poster sessions during DERMAZONE SOUTH 2014 at JIPMER on 21st September 2014.

xii) Attended ICMR sponsored workshop on “Bioethics” organized by Department of Clinical pharmacology at JIPMER, Puducherry on 24th January 2015.

xiii) Delivered a talk on “Infantile Hemangiomia Management” at CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.

Dr. Malathi Munisamy

i) Delivered a talk on “Rituximab in pemphigus – A JIPMER experience” and chaired the sessions on “Vesiculobullous Disorders” in the free paper and e-poster sessions in DERMAZONE SOUTH 2014 at JIPMER on 21st September, 2014.

ii) Chaired the sessions on “Vesiculobullous Disorders” in the free paper and e-poster sessions during DERMAZONE SOUTH 2014 at JIPMER on 21st September 2014.

iii) Attended Clinical Trials & Case control study designs Workshop, CMC Vellore held from 20th to 25th October, 2014.

iv) Attended Course on Advanced Statistics held on 1st-5th December, 2014 at National Institute of Epidemiology (ICMR), Chennai.

v) Delivered a talk on “Pigmentary Mosaicism” at CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.

Research Projects

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of the Principal Investigator</th>
<th>Title of the project</th>
<th>Duration of the project</th>
<th>Funding agency and total funds sanctioned</th>
<th>Collabo rating departments</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>DM Thappa</td>
<td>Periorbital pigmentation and insulin resistance: Are they related?</td>
<td>1 year (2014-2015)</td>
<td>IADVL hair and skin research grant Rs.2,95,000</td>
<td>Biochemistry</td>
<td>Ongoing</td>
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<tr>
<td>2.</td>
<td>Dr. Laxmisha Chandrashekar</td>
<td>Association of tumour necrosis factor –α promoter polymorphism with treatment outcome of non segmental vitiligo in South Indian patients</td>
<td>1 year (2014-2015)</td>
<td>IADVL hair and skin research grant Rs.2,25,000</td>
<td>Biochemistry</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Laxmisha Chandrashekar</td>
<td>Evaluation of high frequency ultrasound and biomarkers for the diagnosis and management of type 1 lepra reaction.</td>
<td>3 years (2012-15)</td>
<td>ICMR Task Force in Leprosy Project-ICMR, New Delhi-Rs 28.70 lakhs</td>
<td>Biochemistry, Radiodiagnosis</td>
<td>Ongoing</td>
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<tr>
<td>No.</td>
<td>Name of Investigator</td>
<td>Title of the Investigation</td>
<td>Duration</td>
<td>Funding Agency</td>
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<tr>
<td>4.</td>
<td>Dr. Laxmisha Chandrashekar</td>
<td>Anti-desmoglein ELISA titres for disease monitoring of patients with pemphigus</td>
<td>2 years (2012-14)</td>
<td>JIPMER Intramural fund Rs 1,00,000/-</td>
<td>Biochemistry</td>
<td>Completed</td>
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<td>5.</td>
<td>Dr. Laxmisha Chandrashekar</td>
<td>Association of herpes simplex virus, cytomegalovirus and Staphylococcus aureus in patients with pemphigus and their contribution to glucocorticoid resistance</td>
<td>2 years (2011-13)</td>
<td>JIPMER Intramural fund Rs 2,00,000/-</td>
<td>Biochemistry, Pathology, Microbiology</td>
<td>Completed</td>
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<td>6.</td>
<td>Dr. Laxmisha Chandrashekar</td>
<td>Aquaporin3 levels in vitiligo</td>
<td>1 year (2012-2013)</td>
<td>IADVL hair and skin research grant Rs.2,25,000</td>
<td>Biochemistry</td>
<td>Completed</td>
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<tr>
<td>7.</td>
<td>Dr. Rashmi Kumari</td>
<td>Factors affecting the severity of seborrhoeic dermatitis</td>
<td>1 year (2014-2015)</td>
<td>IADVL hair and skin research grant Rs.1.8lakhs</td>
<td>Microbiology, Pathology</td>
<td>Ongoing</td>
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<tr>
<td>8.</td>
<td>Dr. Rashmi Kumari</td>
<td>Sponsored clinical trial – Safety and efficacy of linezolid 1200mg versus 600mg</td>
<td>1 year (2014-2015)</td>
<td>Inventia health care Rs. 3,13,000</td>
<td>Clinical pharmacology</td>
<td>Ongoing</td>
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<tr>
<td>9.</td>
<td>Dr. Rashmi Kumari</td>
<td>Usefulness of patch testing in major type of delayed type adverse cutaneous drug reactions (ACDR)</td>
<td>3 year (2012-2015)</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
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</table>
10. **Dr. Rashmi Kumari**  
Long pulsed Nd:YAG laser vs intense pulsed light for removal of unwanted facial hair: a randomized control trial  
3 year (2012-2015)  
Nil  
Nil  
Ongoing

11. **Dr. Nidhi Singh**  
Dermoscopic patterns in facial melanoses  
1 year (2014-2015)  
Nil  
Pathology  
Ongoing

12. **Dr. Nidhi Singh**  
Hereditary Epidermolysis Bullosa–A clinical phenotype correlation with the Immunofluorescence mapping  
3 year 2014-2017  
JIPMER Intramural fund  
Rs 3,00,000  
Pathology  
Ongoing

**Publications**

**Journals**


[Impact factor: 1.041].


5) Gupta D, Thappa DM. Dermatoses due to Indian cultural practices. Indian J Dermatol. 2015; 60: 3-12.

[Impact factor 2.955]


8) Mahesh I, Karthikeyan VS, Malathi M. Spotty skin pigmentation and multiple blue naevi as cutaneous markers for spinal melanotic schwannoma. BMJ Case Rep 2014; bcr2013201567.


Books:


**Patient Care Services**

**A. Clinical**

i) The department had an OPD attendance of 83,725. In addition, 6617 patients attended the follow up clinic on psoriasis and vitiligo. Six hundred and twenty nine patients attended the leprosy clinic. A total number of 969 patients were treated as in-patients.

**Procedures:**

- Intralesional injections : 1585
- Biopsies : 1452
- Electrosurgery : 1050
- Cryosurgery : 360
- Vitiligo surgery : 45
- Nail surgeries : 34
- Surgical excisions : 46
- Laser procedures : 412

**B. Laboratory**

1. Skin scrapings for fungus : 3585
2. Nail clippings for fungus : 491
3. Hair clippings for fungus : 124
4. Gram smear : 1561
5. Tzanck smear : 971
6. Hair shaft examination : 29
7. Oil mount examination : 105
8. Wet mount examination : 60
10. Ziehl-Neelsen stain for Lepra bacilli : 465
11. Ziehl- Neelsen stain for Tuberculous bacilli : 179
13. ESR : 162
14. Urine analysis : 863
15. Stool for occult blood : 114
16. Stool for parasites : 738
17. Dark field examination : 17
18. Haemoglobin : 12
19. Giemsa staining : 1

Awards, Honours and Significant Events:

Dr. TJ Jaisankar
i) Life member of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL)
ii) Co-authored a paper titled “Trichomoniasis: How do we diagnose in a resource poor setting” which was awarded Saradarilal Memorial award for the year 2014 for the best original article published in Indian Journal of Sexually Transmitted Disease and AIDS, volume 34, year 2013.

Dr. DM Thappa
i) Editor- in-chief of Pigment International and International Journal of Advanced Medical and Health Research.
iii) Member Editorial Board of Indian Journal of Sexually Transmitted Diseases & AIDS
v) Editorial Advisory Board Member of Indian Journal of Dermatology and Indian Dermatology Online Journal
vi) Fellow International Medical sciences Academy, Member National Academy of Medical Sciences, life member of Indian Association of Dermatologists, Venereologists, and Leprologists (IADVL), life member of Indian Association for the study of Sexually Transmitted Diseases
and AIDS (IASSTD&AIDS), life member of Indian Association for Leprologists (IAL), life member of Indian Society of Pediatric Dermatology (ISPD), life member of Indian Medical Association (IMA), core committee member of Contact and occupational Dermatoses Forum of India (CODFI), life member of Cosmetology Society of India (CSI), life member of nail society of India, life member of association of cutaneous surgeons of India, member of International Society of Dermatology, member of Society for Pediatric Dermatology, and member European Academy of Dermatology and Venereology.

vii) Co-authored a paper titled “Trichomoniasis: How do we diagnose in a resource poor setting” which was awarded Saradarilal Memorial award for the year 2014 for the best original article published in Indian Journal of Sexually Transmitted Disease and AIDS, volume 34, year 2013.

**Dr. Laxmisha Chandrashekar**

i) Awarded Short term Fellowship in Indian Institute under the Scheme of “Human Resource Development for Health Research” in the area of “Clinical Trials-Systematic Reviews” under the mentorship of Dr. Pratap Tharyan, Head of South Asian Cochrane Regional Network, Christian Medical College, Vellore for a period of 3 months from 9th March 2015 to 6th June 2015.

ii) Awarded recognition for JIPMER as an IADVL Training Centre for Fellowship in “Dermoscopy” from Indian Association of Dermatologists, Venereologists and Leprologists.

iii) Research work under his guidance was awarded the third prize in the award paper session, for the paper entitled “Anti-desmoglein ELISA titres for disease monitoring of patients with pemphigus” at the 18th Dermazone South Conference 2014, held at JIPMER, Puducherry from 19th to 21st September 2014

iv) Awarded the second prize in the award paper session for co-authoring the paper entitled “Platelet activation in psoriasis and its correlation with disease severity” at the 3rd SRU-CITI International Conference on Ethics and Responsible Conduct of Research: Basics and Beyond conducted by the CITI-India in collaboration with CITI-USA, at Sri Ramachandra University on 11th and 12th November 2014.

v) Awarded the best poster for co-authoring the scientific paper entitled “Effect of treatment on indices of insulin resistance and sensitivity in patients with psoriasis vulgaris” at the South Regional Conference of the Association of Clinical Biochemists of India-2014, on 22nd and 23rd May, 2014, at Center for Basic Sciences, Kasturba Medical College, Mangalore.

vi) Section Editor, Indian Journal of Dermatology, Venereology and Leprology

vii) Member Special interest group of IADVL on leg ulcers and psoriasis.

viii) Member of European academy of Dermatology and Venereology and International society of dermatology

ix) Referee for Archives of Dermatology, clinical and experimental dermatology, Journal of European academy of dermatology and venereology and International journal of Dermatology

x) Co-authored a paper titled “Trichomoniasis: How do we diagnose in a resource poor setting” which was awarded Saradarilal Memorial award for the year 2014 for the best original article published in Indian Journal of Sexually Transmitted Disease and AIDS, volume 34, year 2013.

**Dr. Rashmi Kumari**

i) Referee for IJDVL (Indian Journal of Dermatology, Venereology & Leprology), Indian journal of Dermatology, Indian Dermatology Online Journal and Pigment international.
ii) Life member of Dermatologists, Venereologists and Leprologists (IADVL)

iii) Co-authored a paper titled “Subcision in moderate to severe acne scars- An open label clinical study” which was awarded third prize at State IADVL conference at Pondicherry.

iv) Co-authored a paper titled “Trichomoniasis: How do we diagnose in a resource poor setting” which was awarded Saradarilal Memorial award for the year 2014 for the best original article published in Indian Journal of Sexually Transmitted Disease and AIDS, volume 34, year 2013.

Dr. Nidhi Singh

i) Assistant editor of Pigment International.

ii) Successfully completed “Certificate course in STI & HIV/AIDS”, intensive professional program through distance education by Indian Institute of Public Health, Delhi (Course Development and coordination supported by AusAID grant to the University of Sydney and Public Health Foundation of India) with an overall grade A, during July to December 2014.

iii) Awarded certificate of accomplishment for successfully “PHLX101-1 : Introduction to Bioethics”, offered by Georgetown X, an online learning initiative of Georgetown University through edx during the period April-June 2014..

iv) Successfully completed the web based distance learning course on “The Design of Diagnostic Studies”, offered by University of Freiburg during April-May 2014.

v) Referee for JAMA Dermatology, Indian Journal of Dermatology, Venereology and Leprosy and International Journal of Advanced Medical and Health Research.

vi) Life member of Dermatologists, Venereologists and Leprologists (IADVL), life member of Indian Medical Association (IMA), Member of International Dermoscopic Society and life member of National Teachers Training Centre (NTTC), JIPMER, Puducherry.

Dr. Malathi M

i) Referee for Pigment international and International Journal of Advanced Medical and Health Research.

ii) Life member of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL)

iii) Associate member of International Society of Dermatology.

iv) Co-authored a paper titled “Trichomoniasis: How do we diagnose in a resource poor setting” which was awarded Saradarilal Memorial award for the year 2014 for the best original article published in Indian Journal of Sexually Transmitted Disease and AIDS, volume 34, year 2013.

Administrative, Patient care, Educational, Research and other assignments

Dr. TJ Jaisankar, Professor

i) Post graduate examiner and thesis guide

ii) Coorganized DERMAZONE –SOUTH 2014, XVIII South zone conference organized by Department of Dermatology, JIPMER in association with Indian Association of Dermatology, Venereology and Leprologists (IADVL), Puducherry branch on 19th, 20th and 21st September 2014 at JIPMER Puducherry.

iii) Coorganized CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.
**Dr. DM Thappa**

i) Professor in charge and Head, Faculty Publications for mentoring UG and PG research and faculty publications.

ii) Patron for DERMAZONE –SOUTH 2014, XVIII South zone conference organized by Department of Dermatology, JIPMER in association with Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), Puducherry branch on 19th, 20th and 21st September 2014 at JIPMER Puducherry.

iii) Organizing chairman of CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.

iv) Carried out the assessment of the physical and the other teaching facilities available at Thanjavur Medical College, Thanjavur on 16.4.2014.

v) Carried out assessment of the physical and the other teaching facilities available at BR Ambedkar Medical College, Bangalore for purpose of recognition of Diploma in DVD course with an annual intake of 1 student per year under Rajiv Gandhi University of Health Sciences u/s 11(2) of the IMC Act, 1956 on 12th June 2014.

vi) Conducted Dermatology practical examination at Era’s Lucknow Medical College & Hospital, Lucknow held on 25th July, 2014.

vii) Carried out assessment of the physical and the other teaching facilities available at Bhaskar Medical College, Yenkapally for increase of seats in MD – Dermatology, Venereology and Leprosy course on 21st August 2014

viii) Member secretary, Post Graduate Research Monitoring Committee.

ix) Member selection committee of the institute

x) Member editorial board of institute annual report

xi) Expert for New Drug advisory committee(Dermatology and allergy) DGHS, Drug Controller General of India

xii) Expert for ICMR, New Delhi

xiii) Expert for DST, New Delhi

**Dr. Laxmisha Chandrashekar**

i) Organizing Chairman for DERMAZONE –SOUTH 2014, XVIII South zone conference organized by Department of Dermatology, JIPMER in association with Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), Puducherry branch on 19th, 20th and 21st September 2014 at JIPMER Puducherry.

ii) Served as organizing secretary of CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.

iii) Member, Catering Committee, GOLDEN Jubilee Celebrations Committee.

iv) Member, JIPMER Quality Council

v) Member, Linen Committee

vi) Post Graduate Guide and PG Examiner, JIPMER, Puducherry
Dr. Rashmi Kumari

i) Served as Treasurer of DERMAZONE –SOUTH 2014, XVIII South zone conference organized by Department of Dermatology, JIPMER in association with Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), Puducherry branch on 19th, 20th and 21st September 2014 at JIPMER Puducherry.

ii) Served as scientific chairperson of CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.

iii) JIPMER quality council member and group leader.

iv) Member of Momento committee of GOLDEN jubilee celebrations committee.

v) Delivered a talk in Doordarshan as a part of public awareness programme on common problems in Dermatology.

vi) Postgraduate guide

Dr. Nidhi Singh

i) Served as scientific Secretary of DERMAZONE –SOUTH 2014, XVIII South zone conference organized by Department of Dermatology, JIPMER in association with Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), Puducherry branch on 19th, 20th and 21st September 2014 at JIPMER Puducherry.

ii) Served as scientific Secretary of CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015.

iii) Member of editorial committee of JIPMER News.

iv) Coguide for postgraduate thesis

Dr. Malathi M

i) Served as treasurer of CME on “Update in Pediatric Dermatology” organized by Department of Dermatology at JIPMER, Puducherry on 1st March 2015

ii) Coguide for postgraduate thesis

Significant Events in the Department

The Department of Dermatology organized DERMAZONE SOUTH 2014, XVIII South zone conference on 19th, 20th and 21st September 2014. A new IADVL Fellowship in “Dermoscopy” to train dermatologists in this new non invasive imaging technique has been initiated.
DEPARTMENT OF EMERGENCY MEDICINE AND TRAUMA

Faculty List:

Professor & Head : S Jagdish
Additional Professor : Vinay R Pandit
Assistant Professor : Rama Prakasha S
Senior Residents : Prithvi B
                  : Juvva Gowtham Kumar
                  : Ashwith Shetty

Background information of the department

The Department of Emergency Medicine & Trauma is the newest academic department in JIPMER, designated as such in March 2014 after approval by the Standing Academic Committee of JIPMER. Prior to 2013, Emergency Medical Services Department (EMSD) was managed by General Duty Medical Officers (GDMO’s) and residents posted from various core specialties. The person in-charge of the department used to be of the rank of Chief Medical Officer. Senior Professor of Surgery was co-opted as the head of the department in July 2013. Two dedicated academic faculty joined the department in 2013 and 2014. The department is also assisted by co-opted faculty from the departments of Surgery, Orthopaedics and Anaesthesiology.

The post-graduate (MD-Emergency Medicine & Trauma) course was started in the month of April 2014, with six residents joining the department in the first batch. In January 2015, another four students joined the MD course.

Educational courses

i) Undergraduate training: Undergraduate medical students (MBBS) are posted in EM and Trauma department on rotation for two weeks per batch during the 6th and 7th semester. They are trained on various aspects related to emergency management of medical, trauma and surgical cases, First-aid and Basic Life Support (BLS). This is followed by a compulsory certified one day course on Basic Life Support (BLS) at the beginning of internship, which is conducted by the department.

ii) Postgraduate Course: Postgraduate course (MD-Emergency Medicine and Trauma) was started from April 2014 with six residents joining the department in the first batch. During their residency period, they undergo both theoretical and practical training in addition to rendering patient care services. The post-graduate students are posted in other allied specialties like Anaesthesiology & Critical Care, Medicine, Surgery, Cardiology, Neurology during their training period. The academic programme includes lectures from visiting professors, in house faculty as well as a mentorship programme with world leaders in Emergency Medicine.
Other courses:

i) Emergency Medical Technician Course (EMTC) is a certified course of one year duration and includes training on first aid, Basic Life Support (BLS) and pre-hospital care. This is followed by the optional internship training for one year period.

Conferences and CMEs Organized by the Department

i) 1st “Indo French Workshop on Emergency Medicine” 8-10th May 2014, was organised by the department of Emergency Medicine and Trauma.

ii) American Heart Association (AHA) certified Basic and Advanced Cardiac Life Support Provider (BLS & ACLS) course (3 days workshop based training) conducted from 21/8/2014 to 23/8/2014.

iii) American Heart Association (AHA) certified Basic and Advanced Cardiac Life Support Provider (BLS & ACLS) course (3 days workshop based training) conducted from 12/2/2015 to 14/2/2015.

iv) Basic Life Support (BLS) & Advanced Cardiac Life Support (ACLS) Instructor Course was organised by the department on 22nd and 23rd November 2014.

v) Disaster Mock Drill was organised by the Department on 20-09-2014.

vi) One day Basic Life Support (BLS) training program and certification for the interns batch (2014-15)

Conferences and CMEs Attended by Faculty

Dr. S. Jagdish, Professor and HOD

1. Appointed to the board of studies for Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and attended the meeting on 5th December 2014 as an External Expert for MD (Emergency Medicine) curriculum plan and design.

2. Resource person for interns orientation program held at JIPMER on 12/1/2015.

3. Resource person for DM/MCH orientation program held at JIPMER on 9/2/2015.

Dr Vinay R Pandit, Additional Professor

1. Lead instructor for AHA BLS and ACLS course at Nightingale School Bangalore, 7-9th April 2014.

2. Participated in 1st meeting of Steering Committee on round table on Collaboration in Trauma care and nursing within East Asia Summit framework, at Nirman Bhawan, New Delhi, on 27th May 2014.

3. Participated as instructor for AHA – BLS training at Vadamalayam Hospital, Madurai on 31st May 2014.

4. Attended ATLS Provider Course at JIPMER from 24 - 26th July 2014 and qualified for the Instructor candidate.


6. Chief coordinator for AHA - BLS and ACLS Provider Course at JIPMER, 21st – 23rd August 2014, organised by department of EM& Trauma.
7. Participated in 2nd Comprehensive Emergency and Trauma Training Workshop (CETTW) held at JPN Apex trauma Center AIIMS New Delhi, 30-8-2014 to 06-09-2014. Attended workshops on Basic Emergency Care Course, Trauma Life support Ultrasound Course (AUTLS).

8. Lead instructor at BLS & ACLS provider course at Mookambika Institute of Medical Sciences at Nagercoil, 10th -12th October 2014.

9. Attended ATLS Instructor Course at JPN Apex Trauma Center AIIMS New Delhi, 9th -11th November 2014.

10. Chief coordinator for organising Instructor Course for BLS and ACLS at JIPMER, 21st and 22nd November 2014.

11. Lead instructor for ACLS provider course at AV Padmavati Hospital, Puducherry, 13-14th December 2014.

12. Chief coordinator for organising the Basic Cardiac Support (BCS) for JIPMER Interns Batch, on 2nd January 2015.


14. Attended SIM man demo workshop conducted by the department of Medical Education on 19th January 2015.

15. Chief coordinator for organising Provider Course for BLS and ACLS at JIPMER, 12 – 14th February 2015.

16. Participated in 72nd National Course on Educational Science for Teachers for Health Profession organised by medical education department JIPMER from 16th to 21st February 2015.

17. Participated in 2nd meeting of Steering Committee on round table on Collaboration in trauma care and nursing within East Asia Summit framework, at Nirman Bhawan, New Delhi on 27th February 2015.

18. Lead instructor for BLS & ACLS provider course at Yennapoya Medical College, Mangalore 3rd and 4th March 2015.

19. Participated in ATLS Instructor monitored programme, 12-14th March 2015.

20. Delivered lecture on “Prehospital care and ED management of Head Injury Cases” at CME on head injury awareness at JIPMER on 22nd March 2015.

**Dr Rama Prakasha S, Assistant Professor**

i) American College of Surgeons (ACS) certified Advanced Trauma Life Support (ATLS) Course: 3 days course conducted at JIPMER from 202/05/20145 to 04/05/2014.

ii) Two days’ workshop on “Orientation Workshop on Epidemiology” organized by the division of research, held at JIPMER on 29th and 30th May 2014.

iii) One day workshop on “Orientation Workshop on Clinical Research Methodology” organized by the division of research, held at JIPMER on 27th July 2014.

iv) One day workshop on “Pediatric and Adult, Critical Care, Emergency & Trauma Workshop” on August 1st 2014 at Chennai, organized by Association of Emergency Physicians of India.

vi) American Heart Association (AHA) certified Basic and Advanced Cardiac Life Support Provider (BLS & ACLS) course (3 days workshop based training) conducted at JIPMER from 21/8/2014 to 23/8/2014 and qualified for the Instructor Course.

vii) Basic Life Support (BLS) & Advanced Cardiac Life Support (ACLS) Instructor Course at JIPMER on 22nd and 23rd November 2014.


ix) One day SIM man demo workshop conducted by the department of Medical Education at JIPMER on 19th January 2015.

**Publications**

i) Rajasekaran A, Pandit VR, Seshadri S, Reddy SK. Poisoning in personnel with access to mercury. OA Case Reports 2014; 08;3(3):22.


**Patient Care Services**

**A. Clinical Services**

i) The average daily attendance of patients to Emergency Department varies between 300-350 cases. For proper categorization of patients according to Emergency Severity Index (ESI), triage of all cases attending the casualty was started in the month of July 2013. A team of Doctors and Nurses are involved in Triaging, Resuscitating, evaluating all patients attending the Emergency. Various procedures like chest tube insertion, Splinting, Haemorrhage control, Fluid resuscitation, Central venous catheter insertion, Airway management and Intubation are done as and when indicated during resuscitation. After stabilisation and initial documentation procedures are completed, necessary imaging or laboratory investigations are done. Specialist consultations are taken from various departments like Medicine, Surgery, Orthopaedics, Neurosurgery, Cardiothoracic Surgery, Cardiology, Urology, etc.
ii) The Emergency ICU has 12 beds with 11 ventilators and Triage Level I & II cases are admitted and managed here initially. Patients in this ICU are managed during the initial hours by the Residents and staff from the Department of Emergency Medicine and Trauma, Residents from the Respective Departments and the dedicated ICU Nursing staff.

iii) Short stay medical patients are admitted in 1st floor for continuation of treatment; beds totalling to 60 Nos. including both male & female separately. Emergency OT, Post-operative Ward & CCCU are located in the 2nd floor of EMS Block. The Emergency OT is equipped with 3 OT tables and averages of 400 operations a month, functioning round the clock. The 3rd floor consists of Trauma-OT, Trauma-ICU and Critical Care Unit. The 4th floor has 60 beds and designated as Trauma-ward for Trauma and Surgical patients. The 5th floor has Burns ward, Burns-OT and Burns-ICU and is managed Plastic Surgeons.

<table>
<thead>
<tr>
<th>Month &amp; Year</th>
<th>No. of patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>April, 2014</td>
<td>11378</td>
</tr>
<tr>
<td>May, 2014</td>
<td>11573</td>
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<tr>
<td>June, 2014</td>
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<tr>
<td>July, 2014</td>
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<tr>
<td>August, 2014</td>
<td>11765</td>
</tr>
<tr>
<td>September, 2014</td>
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</tr>
<tr>
<td>October, 2014</td>
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</tr>
<tr>
<td>November, 2014</td>
<td>12502</td>
</tr>
<tr>
<td>December, 2014</td>
<td>12190</td>
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<tr>
<td>January, 2015</td>
<td>12464</td>
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<tr>
<td>February, 2015</td>
<td>12852</td>
</tr>
<tr>
<td>March, 2015</td>
<td>13502</td>
</tr>
</tbody>
</table>

B. Laboratory Services:

i) Biochemical Laboratory is functioning round the clock for various investigations like blood urea, blood sugar, serum amylase, serum creatinine, electrolytes, creatinine kinase-MB, creatinine kinase total, bilirubin total, bilirubin direct, SGOT, SGPT, troponin – I, haemoglobin, packed cell volume, serum ALP, total protein, etc.

<table>
<thead>
<tr>
<th>Month &amp; Year</th>
<th>Total samples received</th>
<th>Total Investigations conducted</th>
</tr>
</thead>
<tbody>
<tr>
<td>April, 2014</td>
<td>7871</td>
<td>42739</td>
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<tr>
<td>May, 2014</td>
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<td>March, 2015</td>
<td>7599</td>
<td>37862</td>
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</tbody>
</table>
Administrative, Patient Care, Educational, Research and Other Assignments:

Dr S Jagdish, Professor and HOD

i) Professor of Surgery and Unit head, Surgery Unit 1

ii) Head of the Department of Emergency Medicine and Trauma

iii) Officer-in-charge, Department of Neurosurgery (Additional charge from March 2015)

iv) Member of committee for procurement of sutures and disinfectants, Hospital Infection Control Committee (HICC) and Central stores procurement committee

Dr Vinay R Pandit, Additional Professor

i) Additional Professor, department of EM & Trauma

ii) Member of GFR-146 committee

Significant Events in the Department

i) Injury Surveillance: “Injury Surveillance” is an ongoing inter-departmental project, for the data collection and Surveillance of all medico-legal and Trauma cases attending the Department of Emergency Medicine and Trauma.

ii) Dr. Patrick Plaisance, Professor of Anaesthesia and Emergency Medicine, Lariboisiere University Hospital, Paris, France, visited JIPMER along with the team of doctors and nurses (5 members) during 8th to 10th May, 2014.

iii) WHO fellow visited the department on 23-10-2014 and JIPMER Disaster action plan was presented and discussed with him.

iv) Dr. Shilpa Gadiraju, visiting Faculty from Baylor’s Medical School, USA, visited the Department and interacted with faculty and residents, on 1st December 2014.

v) Dr. SV Mahadevan, (Emergency Physician and Director, Stanford University School of Medicine, USA) during 21st to 24th January, 2014. The module for Postgraduate training during the visit was “Emergency Medical Services and Pre-hospital Care”.

vi) Dr. Kumar Alagappan (Visiting Professor from Baylor Hospital) visited the department during 1st to 5th February, 2015. The module for Postgraduate training during the visit was “Toxicology”.

vii) Dr. Guruprasad Nagaraj (Emergency Physician, Royal North Shore Hospital, Sydney) and Dr. Pankaj Arora (Co - Director Emergency Medicine Training and Physician Emergency Medicine, Royal North Shore Hospital, Sydney, Australia) visited the department during 16th to 20th March, 2015. The module covered for the Post-graduate training during this visit was Endocrinology and “Geriatric EM”.
Background information of the department

The Endocrinology department of JIPMER is the only department of its kind available in public sector in South India. It is equipped with a standard Endocrinology laboratory for hormonal analyses and a DXA capable of bone densitometry and body composition analysis. The department currently has a successfully running DM Endocrinology program with resourceful faculty. The academic program of department is sound with regular journal clubs, case discussions, reviews and interdepartmental meetings. There are multiple research projects running in the department, both intradepartmental and interdepartmental collaborative projects. The patient load for the department is also increasing tremendously.

Educational courses

i) DM Endocrinology course has intake of 1 candidate every 6 months.

ii) The faculty co-ordinate with other departments for modular teaching in MBBS course.

Conferences and CMEs Attended by Faculty

Sadishkumar Kamalanathan.C

i) Presented a poster titled, ‘Proof of Concept for Endogenous Testosterone as a Trophic Factor for Hepatic Adenoma in a Case of ACTH Dependent Cushing’s Syndrome’ in 16th International Congress of Endocrinology & the Endocrine Society’s 96th Annual Meeting on 23 June 2014 in Chicago, USA.

ii) Chaired the session on pituitary disorders on 15 November 2014 in Conference of the Endocrine Society of India ESICON 2014 held at PGIMER, Chandigarh.


iv) Gave a talk on topic ‘Medical Management of Diabetes – Recent Advances’ in the symposium on Diabetes held on 18 December 2014 in ASSOPICON in Academic centre conference hall of JIPMER.

Jayaprakash Sahoo:

ii) Participated in a debate: ‘Hypert triglyceridemia to be treated or not?’ - at the 5th Annual Conference of the Endocrine Society of Odisha’15, ESOCON-2015 in Bhubaneswar on 15 February 2015.

iii) Chaired a session on management of osteoporosis in API update’14, Pondicherry.

iv) Attended an Endocrine Update organised by American Association of Clinical Endocrinologists in Chennai on 30 August 2014

**DM Trainees:**

i) Karthik Balachandran presented a paper on topic ‘Reversible hypothyroidism in Addison’s disease’ in 11th Asia and Oceania Thyroid Association Congress held in Cochin on 25 September 2014.

ii) Milind Patil presented a poster on topic ‘Papillary thyroid microcarcinoma in Graves’ disease presenting as a cystic neck mass’ disease’ in 11th Asia and Oceania Thyroid Association Congress held in Cochin on 25 September 2014

**Research Projects:**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions/Departments</th>
<th>Status</th>
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<tbody>
<tr>
<td>1.</td>
<td>Sadish Kumar @ Kamalanathan</td>
<td>Effect of thyroxin on endothelial function and cardiac manifestations in women with subclinical hypothyroidism</td>
<td>Two years Extension</td>
<td>Intra-mural, Rs. 2,00,000</td>
<td>Endocrinology, Cardiology and Biochemistry</td>
<td>Ongoing</td>
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<td>2.</td>
<td>Jayaprakash Sahoo</td>
<td>Serological and biochemical markers of adrenal cortex and endocrine pancreas dysfunction in patients with Hashimoto’s thyroiditis – a hospital based pilot study</td>
<td>Two years</td>
<td>Intra-mural, Rs. 3,00,000</td>
<td>Endocrinology, Immunology</td>
<td>Ongoing</td>
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**Publications**

**Journals**


Book chapter

Patient Care Services:

Clinical services

<table>
<thead>
<tr>
<th>Division</th>
<th>2014-15</th>
</tr>
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<td>21,948</td>
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<tr>
<td>Ward</td>
<td>759</td>
</tr>
</tbody>
</table>

Consultations: 4116

DXA Scan statistics- OPD+IPD: 2948

i) Bone Densitometry:2706
ii) Whole body fat estimation: 242
Daycare dynamic endocrine tests/treatment: 406
Chemiluminescence autoanalyser: 1912 tests

**Administrative, Patient Care, Educational, Research and Other Assignments:**

**Sadishkumar Kamalanathan.C**

i) Faculty responsible for overseeing the training program of the D.M. Endocrinology course at JIPMER.


iii) Member of Hospital Stores Articles Purchase Committee (HSAPC) and purchase of sanitary items and Contingency stores.


v) Invited to evaluate the suitability for funding of project proposal to CSIR.

vi) Member of Organising committee of TRENDO conducted in Madurai on July 19-20, 2014.

vii) He conducted the Endocrinology quiz for all the DM postgraduates from Andhra Pradesh as part of 5th annual ‘Dr. Subhashini and Dr. Kamalakar Reddy endowment oration on 12th of February, 2015 at Sri Venkateswara Institute of Medical Sciences, Tirupati.


ix) Elected as secretary of JIPMER Scientific Society for year 2015-16.

**Jayaprakash Sahoo:**


iii) Member of co-ordination team for bariatric surgery.


v) Member of JIPMER Quality Council (Sentinel events/Root cause analysis and Nosocomial infection).

**Significant Events in the Department**


iii) 17.2.2015: Endocrinology lab becomes functional.

iv) 19.2.2015: Endocrinology-Radiology meeting initiated.

v) 20.2.2015: Inferior petrosal sinus sampling for localization in Cushing’s syndrome done.

vi) 31.3.2015: Endocrinology-Pathology meetings initiated.
DEPARTMENT OF ENT

Faculty List :

Professor & Head : Sunil Kumar Saxena
Professor : S. Gopalakrishnan
Associate Professor : Pradipta Kumar Parida
                Arun Alexander
Assistant Professor : G. Sivaraman
                Jyotirmay Hegde

Background Information of the Department:

The origin of Department of Oto-Rhino-Laryngology & Head Neck Surgery dates back to November 1956 when Ecole De Medicine De Pondicherry established in 1823 by the French Government was taken over by Government of India.

The Department has been doing Endoscopic Sinus Surgery (Video Monitored) using Microdebriders from 1995 with highly gratifying results. The department has started the state of art image guided surgery in the current academic year which will provide a good gateway for expanded Endoscopic Skull Base Surgery. In collaboration with the neurosurgery, the department is pioneering Minimally Invasive Skull Base Tumor Treatments and Minimally Invasive Pituitary Surgery. The department is doing advanced endoscopic surgery like endoscopic CSF rhinorrhea repair, endoscopic DCR, endoscopic excision of angiofibroma, endoscopic orbital decompression, endoscopic optic nerve decompression etc., The department is also doing all kinds of microscopic otological surgery, microlaryngeal surgery, laser surgery (CO2 Laser, KTP Laser and Diode laser) head neck surgery, airway surgery and phonosurgery with excellent results.

Audiology Section is equipped with GSI 33 & GSI 61 Audiometers, sophisticated BERA and OAE to facilitate enhanced audiological evaluation. The introduction of VEMP and ENG in the battery of oto-neurological investigations has led to advanced evaluation of patients with vertigo. The department is planning to start Basic Skill Training Center which will pave way for better training of undergraduate and postgraduate trainees. From 2012 the institute has increased postgraduate seats in ENT from two to four seats.

Educational Courses:

Undergraduate Courses:

i) Classes are undertaken for Undergraduate students (VI & VII semesters). This includes theory classes of about 70-80 hours and practical/clinical postings for 8 weeks. The students are divided into 4 batches and they undergo the clinical and practical training in rotation during the VI and VII semesters in this speciality and their performance is assessed by the senior faculty by the marks obtained in the periodical/scheduled tests.
Postgraduate Courses:

i) Postgraduate Degree course M.S., (ENT) was started in 1969 with annual intake of 2 postgraduates. From 2012 the year the intake is increased to four.

ii) The training programs for the postgraduates are undertaken as per the guidelines/directions of JIPMER duly following the protocol for teaching activities as per the MCI guidelines. The program for the postgraduate students includes weekly case presentation, seminars and journal clubs.

Diploma in Hearing and Language Speech (DHLS) (through e-mode)/Bachelor in audiology speech language pathology (BASLP):

i) DHLS course, of 1 year duration through e-mode the first of its kind in JIPMER (recognized by RCI-Rehabilitation Council of India) is being conducted at JIPMER Study Centre under the aegis of All India Institute of Speech and Hearing (AIISH), Mysore from 2007. Five batches have already completed. The last batch was admitted for the session 2013 – 2014 (consisting of 20 students). DHLS program was converted to BASLP degree course from this academic year (2014-2015)

ii) The programme is being funded by AIISH, Mysore to meet the expenditure pertaining to stipend to students, salary to the contract staff, day to day miscellaneous expenses etc.

iii) Dr S Gopalakrishnan has been acting as the local co-ordinator for the above programme since 2007.

Conferences and CMEs Organized by the Department:

i) “ENT TODAY” live surgery workshop was organized on 30th and 31st August 2014.

ii) “Skull Base Con 2014”-16th Annual Conference of Skull Base Surgery Society of India was organized in collaboration with dept. of Neuro-surgery on 9th to 12th October 2014.

Conferences and CMEs Attended by the Faculty:

Dr. Sunil Kumar Saxena, Professor & Head

i) Invited faculty for “Quaestio 2015” held at PSG Medical College, Coimbatore on 25th & 26th January 2015 and delivered the guest lectures on “history taking” and “ENT examination”.

ii) Attended 32nd workshop on FESS held on 7th to 9th Feb.2015 at Hyderabad.

iii) Co-Organiser for 16th Annual Conference of Skull base surgery society of India held at JIPMER, Puducherry on 9th -12th October, 2014

iv) Participated in the “Workplace Based Assessments’ organised on 19th July 2014 held at JIPMER, Puducherry.

v) Organising chairman and resource person for ENT TODAY live surgery workshop held on 30th and 31st August 2014 at JIPMER, Puducherry.

Dr. S. Gopalakrishnan, Professor in senior scale

i) Co-Organizer for 16th Annual Conference of Skull base surgery society of India held at JIPMER, Puducherry on 9th -12th October, 2014.

ii) Organizing chairman for ENT TODAY live surgery workshop held on 30th and 31st August 2014 at JIPMER, Puducherry.
iii) Participated in 1st live surgical workshop on obstructive sleep apnea held at Mahatma Gandhi Medical College and Research Institute, Puducherry on 14th February 2015 as invited faculty and moderated one surgical session.

**Dr. Pradipta Kumar Parida, Associate Professor**

i) Participated in the “Workplace Based Assessments’ organised on 19th July 2014 held at JIPMER, Puducherry.

ii) Attended RePORT India Grantmanship Seminar on 10th may 2014 at JIPMER, Puducherry.

iii) Organizing committee member of 16th Annual Conference of Skull base surgery society of India held at JIPMER, Puducherry on 9th -12th October, 2014

iv) Organising chairman for ENT TODAY live surgery workshop held on 30th and 31st August 2014 at JIPMER,Puducherry

v) Attended “67th National conference of the Association of Otolaryngologist of India” held on 9th-12th January 2015, at Raipur as a Delegate.

vi) Participated in 1st live surgical workshop on obstructive sleep apnea held at mahatma gandhi medical college and research institute ,puducherry on 14th February 2015 as invited faculty and moderated one surgical session.

vii) Has successfully completed the ATLS course for doctors according to the standards established by the ACS Committee on Trauma on 26/07/2014.

**Dr. Arun Alexander, Associate Professor**

i) Organizing Secretary and a resource person “ENT Today” organised by the Department of ENT, JIPMER Puducherry on 30th and 31st August 2014

ii) Member of the organising committee “ National conference of the Skull base Society of India” at JIPMER Pondicherry from 10th to 12th October 2014

iii) Attended the “Laryngology Summit” at RML Hospital Delhi from October 17th to 19th as delegate.


v) Attended the “Paediatric ENT CME at CMC Vellore on February 14th and 15th 2015 as delegate.

**Dr. G.Sivaraman**

i) Attended the MCI recognised Medical education Technology workshop held at CMC Vellore between December 1-3, 2014

ii) Attended the Qualitative research methodology workshop held in SVMCHRI between Jan 5-9, 2015.

iii) Participated in International Medical Education Leadership Programme of FAIMER between March 29 and April 4, 2014

iv) Organizing committee member of 16th Annual Conference of Skull base surgery society of India held at JIPMER, Puducherry on 9th -12th October, 2014

v) Participated in the “workplace Based Assessments’ organised on 19th July 2014 held at JIPMER, Puducherry.
Dr. Jyotirmaya Hegde, Assistant Professor

i) Attended the live surgical workshop on FESS/SBS held on 4th May, 2014 at Trichy.

ii) Attended the Workshop on “Orientation workshop on epidemiology” on 29th & 30th May 2014 at JIPMER, Pondicherry.

iii) Attended the Workshop on “Update in Neuroimaging” held on 29th June 2014 at Bangalore.

iv) Participated in the orientation workshop on “Animal and Lab Experimentation” on 30th June 2014 at JIPMER, Pondicherry.

v) Participated in the orientation workshop on “Clinical Research Methodology” on 27th July at JIPMER, Pondicherry.

vi) Organizing committee member of 16th Annual Conference of Skull base surgery society of India held at JIPMER, Puducherry on 9th -12th October, 2014

vii) Presented a poster at 16th Annual Conference of Skull base surgery society of India held at JIPMER, Puducherry on 9th-12th October, 2014

viii) Attended workshop on “Research grant proposal writing” on 24th & 25th October 2014 at JIPMER, Pondicherry.

ix) Attended Live temporal bone Dissection and ear surgery workshop held on 13th to 15th February at Bangalore.

Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the principal investigator</th>
<th>Title of project</th>
<th>Duration of project (From …to)</th>
<th>Funding agency and total funds sanctioned</th>
<th>Collaborating institutions/departments</th>
<th>Status (Completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr Arun Alexander</td>
<td>Prospective Study on audiological changes in patients treated with radiotherapy for Head and neck cancers.</td>
<td>July 2010 onwards</td>
<td>Nil</td>
<td>Dept. of Radiotherapy,, JIPMER</td>
<td>completed</td>
</tr>
<tr>
<td>2</td>
<td>Dr Pradipta Kumar Parida</td>
<td>Evaluation of thyroid dysfunction after radiation therapy in head and neck cancer patients.</td>
<td>July 2010 onwards</td>
<td>Nil</td>
<td>Dept. of Biochemistry, Radiotherapy and Nuclear Medicine, JIPMER</td>
<td>completed</td>
</tr>
<tr>
<td>#</td>
<td>Name</td>
<td>Project Description</td>
<td>Start Date</td>
<td>End Date</td>
<td>Department</td>
<td>Status</td>
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<tr>
<td>3</td>
<td>Dr Arun Alexander</td>
<td>Evaluation of Postoperative Bleeding with application of autologous platelet rich plasma following Hemithyroidectomy. A Randomized Controlled Trial</td>
<td>July 2010 onwards</td>
<td>Il</td>
<td>Dept. of Transfusion Medicine, JIPMER</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>Dr Pradipta Kumar Parida</td>
<td>Factors predicting early diagnosis of laryngotracheobronchial foreign body in children</td>
<td>August 2013 onwards</td>
<td>Nil</td>
<td>Dept. of Pediatrics, JIPMER</td>
<td>Completed</td>
</tr>
<tr>
<td>5</td>
<td>Dr Pradipta Kumar Parida</td>
<td>Incidence of hearing loss among new born baby in a tertiary health care centre in south India</td>
<td>December 2014 onwards</td>
<td>Nil</td>
<td>Dept. of Pediatrics, JIPMER</td>
<td>Ongoing</td>
</tr>
<tr>
<td>6</td>
<td>Dr Jyotirmaya Hegde</td>
<td>Assessing the viability of nasoseptal flap used in endoscopic skull-base surgeries by Magnetic Resonance Imaging.</td>
<td>March 2015 onwards</td>
<td>Nil</td>
<td>Dept. of Neuro-surgery and Radiology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>7</td>
<td>Dr Jyotirmaya Hegde</td>
<td>Extent of resection of Pituitary macroadenomas by Endoscopic Endonasal Trans - Sphenoidal surgery and factors influencing it.</td>
<td>March 2015 onwards</td>
<td>Nil</td>
<td>Dept. of Neuro-surgery and Radiology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Project Description</td>
<td>Funding Agency</td>
<td>Status</td>
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<tr>
<td>8.</td>
<td>Dr G Sivaraman</td>
<td>Assessment of Otoacoustic Emissions (OAEs) in Mobile Phone Users in a tertiary care teaching hospital. under ICMR STS 2014</td>
<td>ICMR</td>
<td>Completed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Dr G Sivaraman</td>
<td>Evaluation of causes for the failure of mastoidectomy in chronic otitis media</td>
<td>Nil</td>
<td>Ongoing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Dr G Sivaraman</td>
<td>Assessment Of Outcomes In Revision Functional Endoscopic Sinus Surgery In Our Institute</td>
<td>Nil</td>
<td>Ongoing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Dr G Sivaraman</td>
<td>Developing and validating script concordance for ENT undergraduate students</td>
<td>Nil</td>
<td>Ongoing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Dr G Sivaraman</td>
<td>Developing an Online ML web program for the postgraduates in the department of ENT</td>
<td>Nil</td>
<td>Ongoing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Dr Arun Alexander</td>
<td>Cytokines levels in nasal polyposis</td>
<td>July 2014</td>
<td>Ongoing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Publications**

**A. Journals**


vii) Pradipta Kumar Parida, Gopalakrishnan Surianarayanan. Gorlin-Goltz syndrome - an unusual presentation, Research 2014;1:807

viii) Pradipta Kumar Parida, S Gopalakrishnan. Mastoid Osteoma, Research 2014;1:806


B. Book Chapters:


Patient Care Services

i) ENT Department runs the regular OPD services in all working days from 8.30 am to 1.00 PM with an average daily OPD attendance of 280. Besides regular OPD, a special Cancer Clinic runs on Tuesday afternoon (2.00 to 5.00 PM) wherein the average OPD attendance is 65-70. In patient care services are provided from the Department of ENT with the bed strength of 33 (14 male and 11 female and post-operative ward 8). The bed occupancy rate is approximately 97.29% last year with turnover interval of 1.3.

ii) The average number of surgeries done in the main Operation Theatre per month is 180-200. The number of procedures done in the minor OT & emergency services range 200-220 per month.

iii) With the addition of new sophisticated equipments such as Video monitored nasal endoscopic equipments with the documentation facilities, Image Navigation System, Binocular operating microscope, Microdebrider, CO2, KTP and Diode laser etc., the Department has been doing more sophisticated micro-surgery of the ear and larynx, head and neck cancer surgery and various types of functional endoscopic surgery with highly gratifying results.

Awards, Honours and Other Personal Achievements:

i) Dr. Sithananda Kumar @ Venkatesan R, Dr. Pradipta Kumar Parida, Dr. S. Gopalakrishnan and Dr. Sunil Kumar Saxena won the gold medal for the paper titled “Laryngotracheal foreign bodies—a short case series” presented in TNAOI-2014 Conference held at Coimbatore.
Administrative, Patient Care Educational, Research and Other Assignments

i) Dr S Gopalakrishnan and Dr. Sunil Kumar Saxena have acted as adviser to UPSC and have undertaken the assignments by MCI as Inspector and by Pondicherry University for starting of UG and PG courses in various medical colleges.

Significant Events in the Department:

i) Establishment of latest version of OAE, BERA and ENG in audiological profile of investigations.


iii) All type of laser surgeries.
Background information of the Department

The department of Forensic Medicine & Toxicology deals with the medico legal autopsy cases coming from Puducherry and the adjoining districts of Tamil Nadu. Annually around 950 autopsies are conducted; which include the cases of road traffic accidents, burns, poisoning and assaults. The faculty are also involved in the victim examination in sexual offence cases and potency certification. The faculty frequently attend the courts and depose regarding various cases as expert witnesses. In addition to teaching the under graduate and post graduate students, theory classes are also taken for MD-Emergency Medicine, Residency training programme for MRT, MRO and EMT students. In order to increase the practical knowledge of the students, they are taken to the mortuary, wherein various aspects of the medicolegal autopsies are demonstrated. The first and second batch of Post-graduate students passed out successfully in April 2014 and March 2105 respectively.

Educational courses

i) MBBS, MD (Forensic Medicine), MD-Emergency Medicine, MRT, MRO and EMT,

ii) Part-time educational centre for the staff of State Forensic Science Laboratory (SFSL), Puducherry.

iii) Part-time educational centre for MD Students from Department of Pathology, Sri Manakula Vinayagar Medical College and Hospital.

Conferences and CMEs Organized by the Department

i) Organised, TOXOCON – 8 - National Annual Conference on August 9th and 10th of 2014 at Mini Auditorium, JIPMER Academic Centre, JIPMER, Puducherry on the theme “Household Poisons - The Lurking Danger in Every Home”.

Faculty List :

In Charge, Professor & Head : Dr. N Siddaraju
(from 1st December 2014) (Department of Pathology)

Associate Professor & In Charge : Dr. Kusa Kumar Shaha
(till 30th November 2014)

Associate Professor : Dr. Siddhartha Das
: Dr. Sanjay Sukumar
: Dr. Ambika Prasad Patra
: Dr. Vinod A Chaudhari
Conferences and CMEs Attended by Faculty

Kusa Kumar Shaha

i) Participated and presented a paper “Forensic and Ethical aspect in Emergency medicine” in Global Annual Meet on Emergency Medicine and Trauma (GAMET 2014) at Global Health City organized by the Department of Advanced Center for Trauma and Emergency Care, Chennai, on 24th to 27th April, 2014

ii) Organizing Chairman for the TOXOCON-8 conference held at JIPMER, Puducherry on 9th & 10th August 2014.

iii) Participated in 11th National Workshop on “Basic Techniques in molecular Biology & Bioinformatics in Pharmacogenomics”, organized by the Department of pharmacology, JIPMER, Puducherry on 18th – 20th August 2014

iv) Attended a workshop on “Workshop on Research Grant Proposal writing” 24th and 25th October 2014, conducted by Dean (Research) in collaboration with Department of Pediatrics, JIPMER.

v) Participated in Workshop on “Book Writing & Meet the Publishers”, organized by JIPMER Scientific Society and Division of Research, at Conference Hall, Super-Speciality Block, JIPMER, Puducherry on 7th November 2014

vi) Participated as Delegate for Forensic Medicine 2015 - 36th Annual National Conference of Indian Academy of Forensic Medicine, held at SRMC & RI, Porur, Chennai, organised by Department of Forensic Medicine from 23rd to 25th January 2015

vii) Participated in Workshop on “Ballistic & Scene of Crime – A Live Demonstration, organized by the Department of Forensic Medicine, Mysore Medical college & Research Institute, Mysore on 14th March 2015

Siddhartha Das

i) Presented a paper titled “A Fatal Occupational Electrocution In The Construction Sector – Identifying Issues Of Negligence” at the Annual Conference of SIMLA held at PSG Medical College, Coimbatore from 12th-14th September 2014.

ii) Organizing Co-Chairman for the TOXOCON-8 conference held at JIPMER, Puducherry on 9th & 10th August 2014.

iii) Attended a workshop on Extramural Research Grant held at JIPMER, Puducherry on October 2014.

Sanjay Sukumar

i) Organizing Secretary of the Eighth Edition Of TOXOCON, focusing on “Household Poisons – The Lurking Danger in Every Home” organised by Indian Society Of Toxicology in JIPMER on the 9th and 10th of August 2014.

ii) Attended a “Workshop on Research Grant Proposal writing” held on 24th and 25th October 2014, conducted by Dean (Research) in collaboration with Department of Paediatrics, JIPMER.

iii) Attended a workshop on ‘Animal and Lab Experimentation’ held on 31st July 2014, Dean (Research), JIPMER, Puducherry.
Ambika Prasad Patra

i) Joint Secretary for the TOXOCION-8 conference held at JIPMER, Puducherry on 9th & 10th August 2014.


iv) Chaired scientific paper presentation sessions on ‘Forensic Pathology’ at 6th International Conference by Indian Association of Medico-Legal Experts 2015, on Legal Medicine, Medical Negligence & Litigations in Medical Practice. At Khajuraho, UP. From 26-28 Feb 2015.

v) Participated in Workshop on “Ballistic & Scene of Crime – A Live Demonstration, organized by the Department of Forensic Medicine, Mysore Medical College & Research Institute, Mysore on 14th March 2015.

vi) Workshop on ‘Orientation Workshop on Epidemiology’ conducted by Division of Research, JIPMER, Puducherry, on 29-30 May 2014.

vii) Workshop on ‘Biosafety in Recombinant DNA Research’ conducted by Division of Research, JIPMER, Puducherry, on 21st August 2014.

viii) Attended “Orientation Workshop on Animal Research” on 31st July 2014, JIPMER Puducherry conducted by Department of Physiology and Dean (Research), JIPMER, Puducherry.


Vinod Ashok Chaudhari


iii) Treasurer of “TOXOCION 8” conference, August 2014, JIPMER Puducherry.

iv) Attended workshop: 70th National Course on Education Science for Teachers of Health Professional from 28.08.2014 to 06.09.2014, JIPMER Puducherry.

v) Attended workshop: 5th Short course on basic epidemiology, JIPMER, Puducherry, from 10.11.2014 to 15.11.2014.

vi) Attended CME: Ethical and legal aspects of medical practice, on 28.06.2015, conducted by MGMCR, Puducherry.

vii) Attended Orientation workshop on epidemiology, from 29.05.2014 to 30.05.2014, JIPMER Puducherry conducted by Department of PSM and Dean (Research), JIPMER, Puducherry.

viii) Attended “Orientation Workshop on Animal Research” on 30.06.2014, JIPMER Puducherry conducted by Department of Physiology and Dean (Research), JIPMER, Puducherry.
ix) Attended “Workshop on Research Grant Proposal writing” from 05.09.2014 to 06.09.2014, JIPMER Puducherry conducted by Department of Pediatrics and Dean (Research), JIPMER, Puducherry.


xi) Attended workshop on “Orientation Workshop on Clinical Research Methodology” conducted by Dean (Research) in collaboration with Department of Anaesthesiology & Critical Care on 10th November 2014.

### Research Projects

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr Kusa Kumar Shaha</td>
<td>Audit of death certification at JIPMER</td>
<td>3 years study from July 2014</td>
<td>No</td>
<td>Dept. of FMT &amp; PSM</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Siddhartha Das</td>
<td>Profile of suicidal cases in a tertiary care hospital of South India – An autopsy based study</td>
<td>2 years study from 2015</td>
<td>No</td>
<td>Dept. of FMT &amp; PSM</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Dr Ambika Prasad Patra</td>
<td>Analysis of Epidemiological Factors of Unnatural Deaths among Geriatric population at JIPMER</td>
<td>2 years study from 2015</td>
<td>No</td>
<td>Dept. of FMT &amp; PSM</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

### Publications


Patient Care Services:

i) Conducting Medico legal autopsy including brought dead case

ii) Examining the Victims in sexual offence

iii) Examining the Accused in sexual offence cases and issuing the potency certificate

iv) Services rendered towards deceased donor transplantation program

Awards, Honours and Other Personal Achievements

Kusa Kumar Shaha

i) Editor of Journal of Indian Society of Toxicology (JIST)

ii) Elected as President of Indian Society of Toxicology in 2014 - 2015

iii) Certificate of appreciation in Services rendered towards success of deceased donor transplantation program, JIPMER organized by Department of Nephrology and Urology

iv) Editorial Board Member of “Indian Journal of Forensic Medicine & Pathology”

v) Participated in the current series of validation/moderation workshops of MCQ Question Bank on 22nd to 23rd August 2014 at National Board of Examinations (NBE), Dwarka, New Delhi.

vi) Examiner for MBBS and MD at different states University like Pondicherry, Tamilnadu, Andhra Pradesh, Karnataka, Kerala and Odisha.

vii) Evaluate the MD thesis in Forensic Medicine and Examiner for MD for Dr NTR University - Andhra Pradesh, MGM University – (Maharastra) and Berhampur University, Odisha

Siddhartha Das

i) Editorial Board Member of “Forensic Medicine and Anatomy Research” journal.

ii) Reviewer for journals of Dove Medical Press.

iii) Life member of Noble Action Consortium for Progress of Forensic Medicine & Toxicology.
iv) External Examiner for UG students of Dr. MGR Medical University, Tamil Nadu and NTRUHS, Andhra Pradesh.

Ambika Prasad Patra

a. Editorial Board Member of :
   i) Journal of Forensic and Community Medicine
   ii) Indian Journal of Forensic Medicine & Pathology

b. Reviewer for International & National Medical Journals of:
   Journals of SAGE Publishers
   i) Journals of Innovative Publishers
   ii) Journals of Red Flower Publishers
   iii) Journal of Indian Society of Toxicology

c. Life member of Noble Action Consortium for Progress of Forensic Medicine & Toxicology.
d. Life member of Indian Society of Toxicology.
e. External Examiner for MBBS students of Pondicherry University.

Administrative, Patient Care, Educational, Research and Other Assignments

Kusa Kumar Shaha
   i) Secretary for Town Official Language Implementation Committee (TOLIC) and overall officer in charge, Hindi Teaching Scheme, JIPMER
   ii) Guide and Co-guide for PG Students 2014
   iii) Institute Representative, JIPMER PG (MD/MS) and MBBS Entrance Examination, 2014
   iv) Chairman for PG Forensic Medicine Examination March 2015
   v) Working as central public information officer for the department
   vi) Working as a member for JIPMER Quality Council.

Sanjay Sukumar
   i) One of the support faculty members for MD-Emergency Medicine Residency training programme.
   ii) Member of the JIPMER News bulletin committee.
   iii) Member of the Hospital Crowd Management committee.

Ambika Prasad Patra
   i) Guide and Co-guide for MD (Forensic Medicine) Students 2014
   ii) Institute Representative for JIPMER MBBS Entrance Examination, 2014

Significant Events in the Department
   Up-gradation of Mortuary complex with Modern autopsy stations.
DEPARTMENT OF MEDICAL
BIOMETRICS & INFORMATICS
(BIOSTATISTICS)

Faculty List:

Professor of Biometrics & Head : Ajit Sahai
Lecturer in Statistics & Demography : Harichandrakumar K.T.

Background information
Since March 1987 the Biometrics-Division through the Department of Preventive and Social Medicine had been actively teaching Biostatistics-Demography to all Undergraduates; Biostatistics-Research Methodology to Medical & Paramedical Postgraduates; apart from regular consultations to Postgraduates, Post-Doctoral programmes, PhD scholars, Faculty and Staff to help them designing research protocols-projects, analyzing data for interpreting results and writing communications. The Standing Academic Committee (SAC) of Institute in 2010 had approved the initiation of PhD and Post-Graduate courses in Medical Biometrics (Biostatistics) along with the creation of essential faculty and staff positions. In accordance, an independent Department of MB&I had become operational since January 2011.

Educational Courses

Undergraduate Courses
i) MBBS (III and VII Semesters)
ii) B.Sc. MLT (3rd Year)
iii) B.Sc. Nursing (4th Year)

Postgraduate Courses
i) MD and MS (1st and 3rd Year) – Two batches – Jan and July.
ii) M.Sc. Nursing (1st Year)
iii) M.Sc. Medical Biochemistry (2nd Year)
iv) M.Sc. Medical Physiology (2nd Year)
v) M.Sc. Medical Physics (2nd Year)
vi) Post Basic Diploma in Nursing

Higher Specialty Courses
i) DM and M.Ch (1st Year) – Two batches - Jan and July.

Research Courses
i) PhD (1st Year)
Certificate Courses

i) Medical Records Officers

ii) Medical Records Technician

Continuing Medical Education Programs

The Department is actively involved as Core-faculty through the Department of Medical Education in conduct of regular CMEs (Orientation Programmes & Workshops) on Research Methodology and Biostatistics organized frequently for MD & MS; DM & MCh and PhD Scholars and Coordinated a series of young faculty orientation programmes in research methodology and biostatistics applied to epidemiological studies; laboratory experiments & animal studies; and clinical research studies through the office of Dean Research.

Conferences and CMEs attended by faculty

Dr. Ajit Sahai

i) Was invited as resource person to help conduct workshop on Research Methodology at Narayana Medical College, Nellore, Andhra Pradesh, on 14th to 15th June 2014 and also delivered talk on “Applying Basics of Research to Traumatic Brain Injury”, apart from reviewing a number of draft research project proposals of the Institute.

ii) Has coordinated as resource person a series of workshops on research methodology applied to ‘Epidemiological studies’; ‘Laboratory experiments & Animal studies’; and ‘Clinical research studies’- organized for the young faculty of JIPMER, between July and November 2014.

iii) Was invited to preside over the 1st IAPSM and IPHA Pondicherry State Chapter combined meet – held on 26th October 2014 at IGMCRI and had delivered the presidential address.

iv) Was invited to attend as resource person the 32nd Annual National Conference of Indian Society for Medical Statistics (ISMS on “Recent Advance on Statistical Methods and their Application in Health Sciences” between 1st and 3rd November 2014, 2014 along with preconference workshop on “Survival Analysis in Clinical Research” on 31st October, 2014. Had chaired a technical session and also attended the executive committee meeting held on 31st October, 2014, as Editor of ISMS Bulletin.

v) Has attended as resource person 2nd international workshop on “Micronutrients and Child Health, organized by Human Nutrition Unit, All India Institute of Medical Science, New Delhi, between November 5 and 7, 2014, also chaired a technical session.

vi) Was invited as resource person to conduct workshop on “Research Methodology and Biostatistics” “Third International & Sixth National Annual Conference of Indian Society for Rational Pharmaco-therapeutics ISRPTCON 2014, jointly organized by Departments of Pharmacology and Clinical Pharmacology, JIPMER, Pondicherry, between 21st and 22nd June 2014, along with preconference workshops on 19th and 20th June 2014.

vii) Was invited as resource person to conduct workshop on “Preparation of Manuscript and Publication of Research Papers in Indexed Journals” during the “First National Conference of Association of Physiologists of India (Golden ASSOPICON 2014), organized by Department of Physiology, JIPMER, Pondicherry, between 15th and 19th December 2014, along with preconference workshops on 16th December 2014.

viii) Was invited as resource person on “International Non Communicable Disease (NCDS) Seminar organized by Department of Community Medicine Pondicherry Institute of Medical Sciences
(PIMS), Pondicherry, between 13th and 14th January 2015 and delivered an invited talk on “Common Pitfalls in Research Protocols” and also chaired a session on ‘Biostatistics for clinicians – applications to NCDs’.

ix) Was invited as resource person to “14th World Congress on Public Health”, organized jointly by World Federation of Public Health Association (WFPHA) and Indian Public Health Association (IPHA), between 11th and 15th 2015, at science city, Kolkata, along with preconference workshops on 9th and 10th February 2015. Chaired a session on ‘Non-Communicable Diseases’ and attended the Central Council meeting of IPHA on 12th February 2015.


xi) Was invited as resource person to “42nd annual national conference of Indian Association Preventive and Social Medicine (IAPSM), organized jointly by in Hind Institute of Medical Sciences and King George Medical University at Scientific Convention Centre of KGMU between 26th and 28th February 2015, along with conduction of preconference Seminar cum workshop on “Systematic reviews and Meta-analysis” on 25th February 2015.

Mr. K.T Harichandrakumar:

i) Attended the lecture series on Research Methodology as a resource person at Department of Management of Sciences, Kannur University, Palayad Campus, Thalassery, Kerala and conducted 3 sessions on ‘Introduction to Research Methodology’, ‘How to develop research proposal’ and ‘Research Designs’ on 28th and 29th April 2014.

ii) Attended one day workshop on book writing & meet the Publishers organized by JIPMER Scientific Society (JSA) and Division of Research, JIPMER on 07-11-2014.

iii) Attended as a Resource Person the ‘International Workshop on Thesis Writing’, organized by Department of Medical Research, India Gandhi Government Hospital and Postgraduate Institute, Govt. of Pondicherry and delivered a talk on ‘Methodology’ on 27th February 2015.

iv) Attended the 72nd National Course on Educational Science for Teachers of Health Professionals at Department of Medical Education, JIPMER from 16-02-2015 to 21-02-2015.

v) Attended the ‘Workshop on Statistical Data Analysis Using STATA’, as a resource person organized by Department of Biostatistics, NIMHANS, Bangalore during 18th to 20th March 2015 and conducted two sessions on ‘Test of Significance of Continuous Measurements’ and ‘Logistic regression analysis’.

Research Projects

K.T Harichandrakumar was associated with 3 research projects submitted during 2014-2015 as co-investigator and associated with 5 postgraduate thesis as co-guide.

Publications

K.T Harichandrakumar was published 7 papers in different journals during 2014-2015 as a co-author.
Patient Care :
Not Applicable ; Consultation Services :

i) The Department while providing statistical guidance to various research projects and postgraduate dissertations (more than 600 sessions) had taken the role of co-investigator apart from co-authoring a number of research papers published and presented in conferences; as may be found reflected and referred in the listing provided by the concerned Departments.

Awards, Honours and Other Personal Achievements

Dr. Ajit Sahai

i) Was elected for prestigious ‘Prof S K Bhattacharya Oration Award’ 2015 by the Indian Society for Medical Statistics (ISMS).

ii) Was nominated as ‘resource-member’ of the two important committees of ISMS; one on Biostatistics curricula, infrastructure & facilities and the professional manpower requirements of UG and PG medical, dental, nursing and Ayush institutions in the country and other for amending the existing constitution of the Society.

iii) Had been a life member since 1985 and a Fellow (2004) as well the President (2007-08) and was elected continued as Chief Editor of the Bulletin of Indian Society for Medical Statistics (ISMS); continuing for a period of five years (2013-17).

iv) Had been a life member of International Biometric Society IBS (IR) since 2001; and was elected as an Executive Committee member– for the third consecutive term of two years 2013-2015.

v) Had been a member of International Epidemiological Association (IEA) since 2002; got upgraded as a life member during 2012. Two research papers on Spiritual Health were abstracted during the 20th World Congress of Epidemiology at Anchorage, AK, USA, 2014.

vi) Had been a life member and Governing Council member for six years of Indian Association of Preventive and Social Medicine (IAPSM) and Indian Public Health Association (IPHA) and also the founder President of the local Chapters; recently was re-elected as President (2014-15).

Mr. K.T. Harichandrakumar

i) Co-authored a paper that earned the award for best young researcher in Nephrology for the first author.

ii) As a member of the Institute volley ball team participated in the state level college staff tournament and won the 2nd prize.

Administrative, Educational, Research and Other Assignments

Dr. Ajit Sahai

i) Officer on Special Duty (OSD) to Director and Liaison Officer to the office of the President JIPMER.

ii) Chairman, Recruitment Rules (RR) Committee since January 2014 and continuing.


iv) Member, Spandan Committee - All India Students Cultural and Sports events – 2014-15
   a) Member of JIPMER Scientific Advisory Committee (JSAC) (2009-15);
   b) Member of JSASC (2013-15);
c) Member of Sponsored Clinical Trial Research Committee (2013-15);

d) Member of Postgraduate Research Monitoring Committee (2013-15);

v) Has attended frequent periodic meetings; at least twenty-five (25), loaded with a series of research proposals of various committees as well subsequent supplementary meetings.

vi) Has been serving as Editorial Adviser / Consultant and Reviewer for Journals & Bulletins of various academic societies such as; IJMR, ISMS, IJCM & IJPH etc. (2002-15).

vii) Also, has been on the Editorial Board, as professional advisor, to some of the Indian Journals published through JIPMER; such as ‘Indian journal of Urology’ (of USI); ‘Indian Journal of Pharmacology’ (of IPS); ‘Biomedicine – an International Journal of Biomedical Sciences’ (of IABMS); ‘Indian journal of Dermatology, Venereology and Leprology’ (IJDVL); and ‘Journal of Pharmacology & Pharmacotherapeutics’ – continuing (2002-15); and ‘International Journal of Clinical and Experimental Physiology (IJCEP)’- continuing (2013-15).

viii) Was deputed as chief supervisor along with a team of supervisors for conduct of MBBS entrance examination at Lucknow Regional Center during June, 2014.

ix) Had been evaluation examiner for Ph. D. Thesis in Biostatistics for two candidates and already conducted viva –voce for one;

a. Department of Biostatistics, PSG College of Arts and Science, Bharathiar University, Coimbatore - “Contribution to the construction and selection of mixed sampling plans indexed through six-sigma quality levels”.

b. National institute for Research in Tuberculosis (NIRT), Indian council of Medical Research (ICMR), Chennai, Bharathiar University, Coimbatore - “Bayesian survival models for disease classification and prediction”.

Mr. K.T. Harichandrakumar

i) Was nominated by the department as a member of the undergraduate research monitoring committee and attended three meetings.

ii) Was deputed as the Centre Supervisor for conducting the written examination for the recruitment to various group B (NG) posts held on 12th October 2014 at JIPMER

iii) Actively involved in organizing the cultural programmes for the golden jubilee celebrations as a Member in the cultural committee of the JIPMER golden Jubilee celebration.

iv) Was deputed as special invitee for the 21st JPMER Scientific Advisory Committee meeting held on 05-03-2015

**Significant Events in the Department**

Nil
DEPARTMENT OF MEDICAL EDUCATION

Faculty List:

Professor & Head : Gitanjali Batmanabane
Associate Professor of Educational Technology : Z. Zayapragassarazan

Core Groups / Resource Persons:

I. National Course on Educational Science for Teachers of Health Professionals Core Group
1. Dr. T.S. Ravikumar, Director, JIPMER & Project-Director, NTTC, JIPMER (Till 11.03.2015)
2. Dr. S.C. Parija, Director, JIPMER & Project-Director, NTTC, JIPMER (From 12.03.2015)
3. Dr. S. Mahadevan, Dean (Academic), JIPMER
4. Dr. B. Gitanjali, Professor of Pharmacology & Head of Medical Education (Coordinator)
5. Dr. P.H. Ananthanarayanan, Professor of Biochemistry (Retired) (Till 31.01.2015)
6. Dr. Santosh Kumar, Professor of Urology
7. Dr. B. Vishnu Bhat, Professor & Head of Neonatology.
8. Dr. Latha Chaturvedula, Professor of Obstetrics & Gynaecology
9. Dr. D. Kadambari, Professor of Surgery
10. Dr. Debdutta Basu, Professor of Pathology & Office I/c of Transfusion Medicine
11. Dr. Zachariah Bobby, Professor & Head of Biochemistry
12. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology
13. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM
14. Dr. Nanda Kishore Maroju, Associate Professor of Surgery
15. Dr. Manikandan S., Assistant Professor of Pharmacology
16. Dr. Vikas Menon, Assistant Professor of Psychiatry

II. Training Course on Medical Education for Senior Residents of JIPMER Core Group
1. Dr. S. Mahadevan, Dean (Academic), JIPMER
2. Dr. Gitanjali Batmanabane, Professor of Pharmacology & Head of Medical Education
3. Dr. P.H. Ananthanarayanan, Professor of Biochemistry (Retired) (Till 31.01.2015)
4. Dr. Santosh Kumar, Professor of Urology
5. Dr. B. Vishnu Bhat, Professor & Head of Neonatology  
6. Dr. D. Kadambari, Professor of Surgery  
7. Dr. Debdatta Basu, Professor of Pathology & Head of Transfusion Medicine  
8. Dr. Zachariah Bobby, Professor of Biochemistry  
9. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology  
10. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM  
11. Dr. Nanda Kishore Maroju, Associate Professor of Surgery  
12. Dr. Manikandan S, Assistant Professor of Pharmacology  
13. Dr. Vikas Menon, Assistant Professor of Psychiatry  

**III. Interns Orientation Program on Quality Care**  

**Resource Persons**  
1. Dr. Anita Rustogi, Additional Medical Superintendent  
2. Dr. Jagdish S, Senior Professor of Surgery & Head of EMS  
3. Dr. Gitanjali B, Professor & Head of Medical Education  
4. Dr. Kusa Kumar Shaha, Associate Professor & Head of Forensic Medicine & Toxicology  
5. Dr. Latha Chaturvedula, Professor of Obst. & Gyn.  
6. Dr. Debdatta Basu, Professor of Pathology & Co-ordinator (January 2015)  
7. Dr. D. Kadambari, Professor of Surgery & Co-ordinator (January 2015)  
8. Dr. Jayalakshmi, Additional Professor of Obst. & Gyn.  
9. Dr. Satyen Parida, Associate Professor of Anaesthesiology & Critical Care  
10. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology  
11. Dr. Siddharta Das, Associate Professor of Forensic Medicine  
12. Dr. Jyoti Wadhwa, Associate Professor of Medicine  
13. Dr. T. Kadhiravan, Associate Professor of Medicine  
14. Dr. Jharna Mandal, Associate Professor of Microbiology  
15. Dr. Rahul Dhodapkar, Associate Professor of Microbiology  
16. Dr. Venkatesh S Madhugiri, Associate Professor of Neurosurgery  
17. Dr. Haritha Sagili, Associate Professor of Obst. & Gyn.  
18. Dr. Manikandan K, Associate Professor of Obst. & Gyn.  
19. Dr. P Narayanan, Associate Professor of Paediatrics  
20. Dr. Sriram Krishnamurthy, Associate Professor of Paediatrics  
21. Dr. Pampa Ch Toi, Associate Professor of Pathology  
22. Dr. Sonali Sarkar, Associate Professor of P&SM  
23. Dr. Nanda Kishore Maroju, Associate Professor of Surgery
24. Dr. Muruganandham, Associate Professor of Urology
25. Dr. Nandeesh H, Assistant Professor of Biochemistry
26. Dr. Sivaraman, Assistant Professor of ENT
27. Dr. Sanjay Sukumar, Assistant Professor of Forensic Medicine
28. Dr. Apurba Sankar Sastry, Assistant Professor of Microbiology
29. Dr. C. Noyal Mariya Joseph, Assistant Professor of Microbiology
30. Dr. Venkatesh C, Assistant Professor of Paediatrics
31. Dr. A. Surendiran, Assistant Professor of Pharmacology
32. Dr. Jayanthi M, Assistant Professor of Pharmacology
33. Dr. Manikandan S, Assistant Professor of Pharmacology
34. Dr. Mahalakshmy T, Assistant Professor of P&SM
35. Dr. Subitha L, Assistant Professor of P&SM
36. Dr. Vikas Menon, Assistant Professor of Psychiatry
37. Dr. Gomathishankar, Assistant Professor of Surgery
38. Dr. Abhishekh B, Assistant Professor of Transfusion Medicine
39. Dr. Balachandar N, General Duty Medical Officer
40. Dr. Singaravel, General Duty Medical Officer
41. Dr. Nancy Premkumar, Medical Social Worker, Medical Social Services Wing
42. Mrs. V. Chitrakala, Medical Social Worker, Medical Social Services Wing
43. Dr. Sabari Priya, Senior Resident, Department of Transfusion Medicine

IV. First Year Postgraduate Orientation Programmes for MD/MS, DM/MCh, PhD & MSc students

a. MD/MS First Year PG Orientation Programme (June 2014)
1. Dr. B. Gitanjali, Professor of Pharmacology & Head of Medical Education
2. Dr. R. Raveendran, Professor of Pharmacology (Coordinator-June 2014)
3. Dr. B. Adhisivam, Associate Professor of Neonatology
4. Dr. B. Adhisivam, Associate Professor of Paediatrics
5. Dr. Sonali Sarkar, Associate Professor of P&SM
6. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM (Coordinator -February 2014)
7. Dr. Nanda Kishore Maroju, Associate Professor of Surgery
8. Dr. V. Gladwin, Assistant Professor of Anatomy
9. Dr. S. Manikandan, Assistant Professor of Pharmacology (Coordinator -February 2014)
10. Dr. Palnivel C, Assistant Professor of P&SM
11. Dr. Subitha L, Assistant Professor of P&SM
12. Dr. T. Mahalakshmy, Assistant Professor of P&SM
13. Dr. Vikas Menon, Assistant Professor of Psychiatry
14. Mr. K.T. Harichandrakumar, Lecturer of Biostatistics, Department of Medical Biometrics & Informatics

b. DM/MCh First Year PG Orientation Programme (October 2014)
1. The Medical Superintendent, JIPMER
2. Dr. Sunil K Narayan, Professor & Head of Neurology
3. Dr. Vikram Kate, Professor of Surgery and Head of Surgical Gastroenterology
4. Dr. L.N. Dorairajjan, Professor & Head of Urology (Programme coordinator)
5. Dr. Santhosh Satheesh, Additional Professor & Head of Cardiology
6. Dr. Ravikumar Chittoria, Additional Professor & Head of Plastic Surgery
7. Dr. S. Jagdish, Sr Professor of Surgery & I/C Emergency Services
8. Dr. D.G. Shewade, Professor of Pharmacology
9. Dr. Murali Poduval, Additional Professor of Orthopedics
10. Dr. Biju Pottakat, Additional Professor of Surgical Gastroenterology
11. Dr. Sreejith Parameswaran, Associate Professor of Nephrology
12. Dr. Vaibhav Wadwekar, Associate Professor of Neurology
13. Dr. Reena Gulati, Associate Professor of Pediatrics
14. Dr. Bibekanand Jindal, Associate Professor of Paediatric Surgery
15. Dr. Dinesh Kumar, Associate Professor of Plastic Surgery
16. Dr. Ravi Philip Rajkumar, Associate Professor of Psychiatry
17. Dr. Shyama Prem, Associate Prof of Radiotherapy
18. Dr. R. Manikandan, Associate Professor of Urology
19. Dr Muruganandham K, Associate Professor of Urology & Convenor JQC
20. Dr. Pazhanivel Mohan, Assistant Professor of Medical Gastroenterology
21. Dr. Noyal Mariya Joseph. C, Assistant Professor of Microbiology
22. Dr. Deepak Bharathi, Assistant Professor of Radiodiagnosis
23. Dr. Anandraju Mittisala, Officer In Charge, Medical Records Department
24. Dr. R. Kanagarethinam, GDMO
25. Mrs. Chitralekha, Social Service Officer, Medical Social Service Wing

c. First Year Orientation Programme for PhD & MSc Students (November & December 2014)
1. Dr. Zachariah Bobby, Professor & Head of Biochemistry (Programme Coordinator)
2. Dr. B. Gitanjali, Professor & Head of Medical Education
3. Dr. B. Vishnu Bhat, Professor & Head of Neonatology
4. Dr. G.K. Pal, Professor & Head of Physiology
5. Dr. Niranjan Biswal, Professor of Paediatrics
6. Dr. R. Raveendran, Professor of Pharmacology
7. Dr. Medha R, Associate Professor of Biochemistry
8. Dr. R. Soundravally, Associate Professor of Biochemistry
9. Dr. Sonali Sarkar, Associate Professor of P&SM
10. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM
11. Dr. V. Gladwin, Assistant Professor of Anatomy
12. Dr. S. Manikandan, Assistant Professor of Pharmacology
13. Dr. Palnivel. C, Assistant Professor of P&SM
14. Dr. Subitha L, Assistant Professor of P&SM
15. Mr. Harichandrakumar K.T., Lecturer in Statistics & Demography, Dept. Of Medical Biometrics & Informatics

d. MD/MS First Year PG Orientation Programme (February 2015)
1. Dr. B. Gitanjali, Professor of Pharmacology & Head of Medical Education
2. Dr. R. Raveendran, Professor of Pharmacology
3. Dr. B. Adhisivam, Associate Professor of Neonatology
4. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM (Coordinator)
5. Dr. Sonali Sarkar, Associate Professor of P&SM
6. Dr. Nanda Kishore Maroju, Associate Professor of Surgery
7. Dr. V. Gladwin, Assistant Professor of Anatomy
8. Dr. S. Manikandan, Assistant Professor of Pharmacology (Coordinator)
9. Dr. Palnivel C, Assistant Professor of P&SM
10. Dr. Subitha L, Assistant Professor of P&SM
11. Dr. Vikas Menon, Assistant Professor of Psychiatry
12. Mr. K.T. Harichandrakumar, Lecturer of Biostatistics, Department of Medical Biometrics & Informatics

e.DM/MCh First Year PG Orientation Programme (February 2015)
1. The Medical Superintendent, JIPMER
2. Dr. L.N. Dorairajan, Professor & Head of Urology (Programme Coordinator)
3. Dr. Santhosh Satheesh, Additional Professor & Head of Cardiology
4. Dr. Ravikumar Chittoria, Additional Professor & Head of Plastic Surgery
5. Dr. S. Jagdish, Senior Professor of Surgery & I/C Emergency Services
6. Dr. D.G. Shewade, Professor of Pharmacology
7. Dr. Santosh Kumar, Professor of Urology (Programme Coordinator)
8. Dr. Biju Pottakat, Additional Professor of Surg. Gastroenterology
9. Dr. Raja Jaisundar Selvaraj, Associate Professor of Cardiology  
10. Dr. Rakesh Singh, Associate Professor of Microbiology  
11. Dr. Sreejith Parameswaran, Associate Professor of Nephrology  
12. Dr. Pradeep P Nair, Associate Professor of Neurology  
13. Dr. Reena Gulati, Associate Professor of Paediatrics  
14. Dr. Bibekanand Jindal, Associate Professor of Paediatric Surgery  
15. Dr. Dinesh Kumar, Associate Professor of Plastic Surgery  
16. Dr. Swaroop K Sahu, Associate Professor of PSM  
17. Dr. Ravi Philip Rajkumar, Associate Professor of Psychiatry  
18. Dr. Muruganandham K, Associate Professor of Urology  
19. Dr. R. Manikandan, Associate Professor of Urology  
20. Dr. S. Sandhiya, Assistant Professor of Clinical Pharmacology  
21. Dr. Deepak Bharathi, Assistant Professor of Radiodiagnosis  
22. Dr. Sree Rag K. S., Assistant Professor of Urology  
23. Dr. Saravanan K, Lecturer in Radiology (Medical Physics) & RSO  
24. Dr. Anand Raju Mittisala, GDMO, Officer In Charge, Medical Records Department  
25. Dr. R. Kanagarethinam, GDMO, Office of the MS  
26. Mrs. Chitralekha, Social Service Officer, Medical Social Service Wing  
27. Mr. Satheesh Kumar AK., Support Engineer, HIS

**V. Third Year Postgraduate Orientation Programme on Research Methodology**

**Core Group**

1. Dr. B. Gitanjali, Prof. & Head of Medical Education (Coordinator)  
2. Dr. Ajit Sahai, Professor & Head of Medical Biometrics & Informatics  
3. Dr. R. Raveendran, Professor of Pharmacology  
4. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology, Department of Medical Education  
5. Dr. V. Gladwin, Assistant Professor of Anatomy  
6. Dr. M. Jayanthi, Assistant Professor of Pharmacology  
7. Dr. S. Manikandan, Assistant Professor of Pharmacology  
8. Dr. A. Surendiran, Assistant Professor of Pharmacology  
9. Dr. T. Mahalakshmy, Assistant Professor of P&SM  
10. Mr. Hari Chandra Kumar, K.T. Lecturer in Statistics & Demography, Department of Medical Biometrics & Informatics  
11. Ms. K. Sunitha, PhD scholar, Dept. of Pharmacology
Background information of the Department:
The Department of Medical Education conducts regular educational and training programs such as National Courses on Educational Science for Teachers of Health Professionals (twice a year), Interns Orientation Programs (twice a year), First Year Postgraduate Orientation Programs (for MD/MS (in two batches), DM/MCh, PhD & MSc students) and Third Year Postgraduate Orientation Program. The purpose of National Courses is to empower medical teachers to make medical education skill oriented and need based and also to help in setting up or improving Medical Education Units / Departments in their own institutions. The Department has been entrusted with the responsibility of conducting the SMART programme (Strengthen, Motivate, Augment, Re-train and Team Build) for JIPMER staff other than the medical and nursing personnel. Half-day workshops on topics of importance are conducted for faculty, general medical duty officers, and residents.

The Department also performs corporate work such as preparation of JIPMER Annual Report, JIPMER Input for Ministry’s Annual Report, JIPMER Results Framework Document and Performance Evaluation of JIPMER Results Framework Document and any other work assigned by The Director, JIPMER.

Educational Courses
The Department of Medical Education organized the following short-term training programmes:
1. National Courses on Educational Science for Teachers of Health Professionals
2. Training Course on Medical Education for Senior Residents of JIPMER
3. Interns Orientation Programme
4. First Year Postgraduate Orientation Programme on Research Methodology
5. Third Year Postgraduate Orientation Programme on Research Methodology

Workshops, Training and CME’s Organized:
1. First Training Course on Medical Education for Senior Residents for the year 2014 was held from 10th to 12th April 2014 at JIPMER, Puducherry.
2. Third Year Postgraduate Orientation programme on Research Methodology for the year 2014 was held from 1st to 3rd May 2014 at Department of Medical Education, JIPMER, Puducherry.
3. A workshop on “Preliminary Orientation Programme for MTS Workers of JIPMER” was organized by the Department of Medical Education in the forenoon of 17th May, 2014, in the Mini Auditorium of JIPMER Academic Centre.
4. First Year Postgraduate Orientation Programme for the year 2014 was held (for MD/MS, DM/MCh, PhD & MSc students) as follows:
   i) MD/MS: from 16th to 18th June 2014
   ii) DM/MCh: Only in the afternoons of 7th, 8th, 10th & 11th October 2014
5. Interns Orientation Programme for July 2014 Batch was held on 16th & 17th July 2014 at JIPMER, Puducherry.
6. A workshop on “Workplace Based Assessments” was organized by the Department of Medical Education on 19th July 2014 in NTTC Hall-1 of the Department of Medical Education for faculty members of JIPMER.
7. 1st Offsite National Course on Educational Science for Teachers of Health Professionals held from 24th to 30th July 2014 in AIIMS, Patna.

8. 70th National Course on Educational Science for Teachers of Health Professionals was held from 28th August to 6th September 2014.

9. An interactive programme on “How to Study Medicine” was organized by the Department of Medical Education for the first year MBBS students on 19th September 2014 in the Biochemistry Lecture Hall, JIPMER.

10. As part of SMART JIPMER Programme a Motivational Programme for Administrative Staff of JIPMER was organized by the Department of Medical Education on 9th December 2014 in the NTTC Hall-1 of the Department of Medical Education.

11. Interns Orientation Programme for January 2015 was held from 12th & 13th January 2015 at JIPMER, Puducherry.

12. A hands-on training programme on “Mannequins & Simulator for JIPMER faculties” was organized by the Department of Medical Education on 19th January 2015 in the NTTC Hall-2 of the Department of Medical Education.

13. Second Training Course on Medical Education for Senior Residents for the year 2015 was held from 20th to 22nd January 2015 at JIPMER, Puducherry

14. 71st National Course on Educational Science for Teachers of Health Professionals was held from 2nd to 7th February 2015.

15. 72nd National Course on Educational Science for Teachers of Health Professionals was held from 16th to 21st February 2015.

16. First Year Postgraduate Orientation Programme for the year 2015 was held (for MD/MS & DM/MCh students) as follows:
   i) MD/MS: on 23rd & 24th February 2015
   ii) DM/MCh: Only in the afternoons from 9th to 13th February 2015

17. As part of SMART JIPMER Programme a programme on “Relaxation Techniques to cope up with stress at work place” for the Nursing Staff of JIPMER was organized by the Department of Medical Education on 25th February 2015 in the NTTC Hall-1 of the Department of Medical Education.

18. The Tamil Language Learning Programme was organized by the Department of Medical Education between 25th February & 11th March 2015 (except on 28th February, 1st, 6th, 7th & 8th March 2015).

Conferences and CMEs attended:

Dr. Gitanjali Batmanabane

1. Conducted a “Workshop on Technical Writing” at the Seminar Hall of Achutha Menon Centre for Health Science Studies, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum from October 14 -16th, 2014.

2. Conducted a 7-day off-site programme on education technology at AIIMS Patna from 24-30 July 2014

3. Conducted a Workshop on Workplace Based Assessments for JIPMER faculty on 19.07.2014 as part of faculty development programme and SMART JIPMER.
4. Organized and conducted an informal session on “How to study medicine” for the newly joined first year MBBS students on 19 Sept 2014
5. Conducted a “Training Course on Medical Education” for senior residents of JIPMER, 10-12 Apr 2014
6. Conducted Preliminary Orientation Programme for MTS workers of JIPMER on 17 May 2014
7. Organized Teachers Day Celebrations to honour senior retired faculty members of JIPMER on 5 Sep 2014
10. Conducted a one day pre-conference workshop on Biomedical Communication at KACHCON 2014 (Karnataka Association of Community Health) held at JN Medical College, Belgaum on 9 October 2014.
11. Conducted a workshop on Biomedical Communication at S.D.M. College of Medical Sciences and Hospital, Dharwad, Karnataka on 5-6 March 2015.
12. Conducted a two-day workshop on “How to Guide an MD Thesis” at the Sri Manakula Vinayagar Medical College & Hospital on May 28-29, 2014
14. Conducted a CME on Medical Ethics as resource person on April 9, 2014 at the Sri Lakshmi Narayana Medical College, Osudu, Puducherry.
15. Attended workshop for Deans & Coordinators of Medical Education Units on 1st July 2014 at the MCI Regional Centre, Christian Medical College Vellore, Tamil Nadu
16. Attended CME programme of Association of Physiologist of India and delivered a talk on “Publication ethics” on December 16, 2014 at JIPMER.
17. Attended the Basic course workshop on Medical Education, July 2-4, 2014 at the MCI Regional Centre, CMC Vellore

Dr. Z. Zayapragassarazan

i) Joint coordinator organizer for all the programmes organized by the Department of Medical Education
ii) Served as a resource person for the Workshop on Workplace Based Assessments held on 19.07.2014.
iii) Served as a resource person for 1st Offsite National Course on Educational Science for Teachers of Health Professionals held from 24.07.2014 to 30.07.2014 in AIIMS, Patna.
iv) Educator Candidate for the ATLS (Advanced Trauma Life Support) Provider Course held between 6th May 2014 to 7th May 2014 in AIIMS Trauma Centre, New Delhi.
v) Educator for the ATLS (Advanced Trauma Life Support) Provider Course held between 5th June 2014 to 6th June 2014 in AIIMS Trauma Centre, New Delhi.
vi) Resource Person for UGC Refresher Course held on 12.11.2014 at Academic Staff College, Bharathiar University, Coimbatore.


ix) Attended the 3 days MCI Basic Medical Education Technology Workshop held from 29.10.2014 to 31.10.2014 at SRMC Chennai.

### Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Gitanjali Batmanabane</td>
<td>Content Evaluation of Theory Question papers in JIPMER</td>
<td>2014-16</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Z. Zayapragassarazan</td>
<td>Developing and validating script concordance for ENT undergraduate students</td>
<td>2014-16</td>
<td>Nil</td>
<td>ENT</td>
<td>Ongoing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Online block teaching for ENT Post Graduates</td>
<td>2014-16</td>
<td>Nil</td>
<td>ENT</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

### Publications

**Dr. Gitanjali Batmanabane**


Awards, Honours and Other Personal Achievements

Dr. Gitanjali Batmanabane

i) Appointed as full member of the Expert Committee on the Selection and Use of Essential Medicines, World Health Organization (WHO), Geneva, Switzerland.

ii) Member of the World Health Organization’s Expert Advisory Panel on Drug Evaluation, Geneva, Switzerland

iii) Faculty for online PG Diploma in Bioethics course conducted by the National Institute of Epidemiology, ICMR.

iv) Chairperson of Institute Ethics Committee, Pondicherry Institute of Medical Sciences, Kalapet.


vi) Participated in a Delphi consultation for an international collaboration to develop a set of core criteria for the development of paediatric drug monographs.

vii) Updated the WHO database of medicines use in primary care in developing and transitional countries from 2013 to 2014 through an Agreement for Performance of work.

viii) Member UPSC Panel for selection of Assistant Professors in Pharmacology (April 2014)

ix) Participated in a Delphi consultation for an international collaboration to develop a set of core criteria for the development of paediatric drug monographs.

Dr. Z. Zayapragassarazan

i) Certified ATLS® Educator since June 2014.

ii) Selected for PSG FAIMER fellowship 2015-17

Administrative, Patient Care, Educational, Research and Other Assignments

Dr. Gitanjali Batmanabane

i) Examiner at MGM Medical College, Navi Mumbai from 14th to 15th April, 2014

ii) Site-visit of Department of Medical Education from Medical Council of India on 10th April, 2014

iii) Organizing Secretary for ISRPTCON 2014 held from 21st to 22nd November, 2014 at Anandha Inn Convention Center, Puducherry.

Dr. Z. Zayapragassarazan

1. Coordinated with the Head of the Department in planning, organizing, administration and expediting the various training programmes organized in the Department of Medical Education.

2. Coordinated with the Head of the Department in the administration of the department and staff.

3. Officer-in-charge of stores of the Medical Education Department

4. Member of the advisory committee for the preparation of JIPMER Annual Report

5. Member of the advisory committee for the preparation of JIPMER Input for Ministry’s Annual Report.


8. Member for providing inputs for National Survey on Medical Colleges.

9. Member for providing inputs for Outlook Survey on Medical Colleges

10. Member for providing inputs for Hans Survey on Medical Colleges

11. Member for providing inputs for Education World- C fore survey

12. Member of JIPMER Quality Council (JQC)

13. Member of JIPMER Student Counselling Committee


15. Member of the organizing committee of Directors Conclave held on 27.10.2014 & 28.10.2014 at Hotel Ocean Spray.

16. Became life member of Indian Higher Education Forum, Mumbai.

17. Became life member of Indian Association of Medical Informatics, AIIMS, New Delhi.

18. Nominated as officer for conducting physical verification of stocks in the RCC pharmacy and WCH pharmacy.

19. Member of the event monitoring committee for SPANDAN 2014.

**Significant Events in the Department**

i) ‘Teachers Day’ celebration was organized by the Department of Medical Education on behalf of JIPMER on 5th September 2014 in the Mini Auditorium of JIPMER Academic Centre at 4 pm. 7 Senior retired faculty members of JIPMER were honored during the celebration.

ii) MCI inspectors inspected the Department of Medical Education on 10th April 2014 for upgrading the Department of Medical Education, JIPMER as an MCI Regional Centre in Medical Education Technologies for training medical college teachers.

iii) 1st offsite National Course on Educational Science for Teachers of Health Professionals was organized from 24th to 30th July 2014 at AIIMS, Patna.

iv) The Department of Medical Education was recognized by Medical Council of India (MCI) as an MCI Regional Centre for Faculty Development Programmes with effect from 13th March 2015.
Background Information of the Department:
The department provides outpatient and in-patient services and endoscopy services. Endoscopy services are carried out on 4 days a week which include diagnostic and therapeutic Upper and Lower GI procedures and ERCP (ERCP- Endoscopic retrograde cholangiopancreatography) Outpatients are seen on Wednesdays and Fridays.

Bed strength: 16 (8 male, 8 female)

Educational Courses:
i) Currently involved in academic sessions related to Gastroenterology for MD General Medicine students and MBBS students (modular teaching sessions).

Conferences and CMEs Organized by the Department:
i) Organized a guest lecture on Clostridium difficile infection – Current perspectives by Dr. Easwaran Variyam, Professor of Medicine, Division of Gastroenterology and Hepatology, University of Texas, Medical Branch, United States on 26th November 2014 in the Academic centre, Mini Auditorium, JIPMER

Conferences and CMEs Attended by Faculty
Dr. Abdoul Hamide
As Speaker
1. Non-Alcoholic Fatty Liver Disease-an overview. CME “API-DIAS” held at Puducherry on 30th Nov. 2014.
2. Integrated Management of HIV Disease. CME arranged at Indira Gandhi Govt. General Hospital, Puducherry as part of World AIDS Day celebration on 1st Dec. 2014.

As Chair Person
Occult and Obscure Gastro-intestinal Bleeding. CME on “Gastro-intestinal Bleeding”, held at JIPMER on 17th August 2014
Dr. Pazhanivel Mohan

As Chairperson

Chaired the session on Anorectal Anatomy and Physiology at Benign Anorectal Disorders conference held on 18th and 19th of July 2014 at JIPMER

As Speaker

1. Delivered a talk on Challenges in the diagnosis and management of Inflammatory Bowel disease, organized by the Indian Medical Association Puducherry Branch on 15th June 2014.

2. Delivered a talk on Obscure Gastrointestinal Bleed, in a CME on Gastrointestinal Bleeding under the aegis of Indian Association of Surgical Gastroenterology [IASG] on 17th August 2014.


4. Delivered a talk on “Psychosomatic factors in the diagnosis and management of IBS” in API-DIAS 2014, a CME on Dissemination of updated information through API speakers held on 30th November 2014.

As Participant

1. Attended “Orientation workshop on Epidemiology” organized by the Division of Research, and Department of Preventive and Social medicine, JIPMER on 29-30th May 2014.

2. Attended “Orientation workshop on Animal and Lab Experimentation” organized by the Division of Research, and Department of Physiology, JIPMER on 30th June 2014.


Research Projects:

Dr. Abdoul Hamide:

Effect of Hepatitis C, Hepatitis D and HIV infections on the Outcome of Hepatitis B virus associated Chronic Liver Disease

Prevalence and Knowledge status of Hepatitis-B infection among adolescent students of Pondicherry

Publications

Papers published

Dr. Abdoul Hamide:


**Dr. Pazhanivel Mohan**:


**Patient Care Services**

**A. Clinical**

OPD: OPD services on Wednesdays and Fridays in Room No 306, second floor, OPD block, SSB, with a patient attendance of an average of 90-100 patients per OPD.

The statistics of OPD attendance from April 2014 to March 2015:

<table>
<thead>
<tr>
<th>Month</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>533</td>
<td>577</td>
<td>588</td>
<td>781</td>
<td>644</td>
<td>709</td>
<td>620</td>
<td>663</td>
<td>733</td>
<td>605</td>
<td>608</td>
<td>630</td>
</tr>
</tbody>
</table>

**Endoscopy**: Simple and diagnostic endoscopic services like diagnostic upper and lower GI endoscopies, endoscopic variceal ligation, endoscopic sclerotherapy, simple esophageal dilatations and feeding tube placements are being performed in OPD endoscopy Room (No 304), second floor, OPD block, SSB. The endoscopy is functional on Tuesdays, Thursdays and Saturdays from 9 AM to 4.30 PM.

Total number of Procedures done in the Endoscopy room from April 2014 to March 2015:

<table>
<thead>
<tr>
<th>Month</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan to Mar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120</td>
<td>128</td>
<td>115</td>
<td>101</td>
<td>115</td>
<td>104</td>
<td>71</td>
<td>106</td>
<td>84</td>
<td>63</td>
</tr>
</tbody>
</table>

Endoscopic Retrograde Cholangio pancreatography is being performed regularly in the department in MGE OT 6 in OT complex SSB on Mondays.

Total number of Procedures done in the MGE OT 6 from April 2014 to March 2015:

<table>
<thead>
<tr>
<th>Month</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan to Mar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14</td>
<td>22</td>
<td>27</td>
<td>29</td>
<td>24</td>
<td>22</td>
<td>23</td>
<td>17</td>
<td>20</td>
<td>Nil</td>
</tr>
</tbody>
</table>
IPD services

Medical Gastroenterology ward (Ward No 44 and 45, SSB) started functioning in 4th floor of SSB from 1-8-2012 with 16 beds.

Number of Patients admitted in the Medical Gastroenterology ward from April 2014 to March 2015:

<table>
<thead>
<tr>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan to Mar</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>27</td>
<td>26</td>
<td>26</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>38</td>
<td>36</td>
<td>21</td>
</tr>
</tbody>
</table>

Awards, Honours and Other Personal Achievements

Dr Abdoul Hamide:

- Nominated as Examiner by the National Board of Examinations, Member of Board of Editors of the International Journal of Pharma Medicine and Biological Science.
- Reviewer of articles for Indian J Pharmacology, Journal of Paediatric Endocrinology & Metabolism and BMJ case reports

Administrative Responsibilities:

- Professor in-charge of the Anti-Retroviral Clinic under the control of National AIDS Control Organisation (NACO)
- Member of the Hospital Infection Control Committee (HICC); in-charge of the prevention of Needle stick injury and Post-Exposure Prophylaxis for preventing HIV transmission
- Member of the PG Dissertation Monitoring Committee
- Member of the CSSD purchase committee

Dr. Pazhanivel Mohan

- Winner of European Society for Gastrointestinal Endoscopy Fellowship.
- Completed advanced endoscopy training for three months from January – March 2015 under the mentorship of Prof. Peter Vilmann at Herlev Hospital, Copenhagen, Denmark.

Significant Events in the Department

Dr. Easwaran Variyam, Professor of Medicine, Division of Gastroenterology and Hepatology, University of Texas, Medical Branch, United States visited the department and delivered a lecture “Clostridium difficile infection – Current perspectives” on 26th November 2014 in the Academic centre, Mini Auditorium, JIPMER.
Background Information of the Department

The department witnessed a rapid growth in all sectors, especially in patient care and is surpassing the existing infrastructural and logistic facilities, thus pressing for the urgent need for expansion. The total outpatient attendance has almost doubled in the last year as compared to the previous year. The new registrations have gone up by 10%. This indicates that more of our patients are now coming regularly for follow up visits and defaulters are reducing. This can be attributed to various factors importantly the streamlining of our records department. Last year we had initiated the system of a proper filing of documents apart from the conventional JIPMER CCR. And this year we have started the computerized medical record section within the department. With the help of this we keep a track of all patients and any defaulters are informed over phone the next day itself regarding the necessity of hospital visit. The list of patients for each days OPD visit is displayed outside the OPD itself so that patients are aware of their status and this has led to a great reduction in the enquiry in the OPD thereby helping us divert lot of time towards patient care. The in-campus accommodation provided by the institute also helps our patients, who require long duration stay near the treatment facility. As a process of streamlining the OPD, we started two new OPD s specifically for chronic myeloid leukemias (CML) on Tuesday and Friday afternoons.

The Bone Marrow Transplant Program started functioning from January 2013. It is well equipped with state of the art equipment like Laminar hood for sterile chemotherapy preparation, Deep freezer (-80 degree Celsius) for stem cell storage. The transplant room is provided with laminar flow and HEPA filters. The number of stem cell transplants done increased from 12 in the first year to 17 this year and a higher number of allogenic transplants were done this year. Our department is the first department in Government sector to perform allogenic stem cell transplant in the whole of Tamil Nadu and Pondicherry. The department got empanelled for stem cell transplants under the TNCMCHI scheme and the first government institute in TN and Pondicherry to do stem cell transplant is also the first government institute to be empanelled in it. This will help a lot of our patients to overcome the financial obstacle for transplants. In continuation with this, our department is one of the departments which has provided maximum financial assistance to patients through TNCMCHI scheme. As part of consolidation of transplant data, the department got enrolled in The International CIBMTR registry.

The Department of Medical Oncology with the help of Social Workers has formed a Support group named “SURABHI”- which provides support to the Pediatric Cancer survivors and to the pediatric cancer patients. It acts as a bridge among them and facilitates the activities. The Support group conducts regular meetings every two months and organizes activities regularly for children with cancer. Apart from the regular awareness programs, the support group extends more help to the kids in aspects of Blood, Nutrition and frequent birthday celebration of the children admitted in RCC ward. The Social

DEPT. OF MEDICAL ONCOLOGY

Faculty List :

Associate Professor : Dr. Biswajit Dubashi
Assistant Professor : Dr. Smita Kayal
Dr. Sunu Lazar Cyriac

Jawaharlal Institute of Postgraduate Medical Education and Research
Workers conduct thrice a week activities in the day clinic which includes story-telling and reading books, group meeting with parents of the cancer kids, art activities and movie screening. The Social Workers also raise funds for drugs and investigations when necessary from NGOs, Clubs, volunteer’s and through RAN fund. We have also started a wish list for children with cancer.

To cope with the increasing demands, the institute upon request from the department conducted an open interview for the post of Assistant Professor and Dr. Sunu Lazar Cyriac was inducted as the third faculty member to our department in December 2014.

**Educational Courses**

Higher Speciality Courses:

DM Medical Oncology – 2 Seats- 1 per semester( January & July)

**Conferences and CMEs Organised by the Department**

- Co organizer of Phocon 2014 as a part of the Tamilnadu & Pondicherry Pediatric Oncology group held 2014 at Chennai on 10th October
- Co organizer JIPMER Oncoplastic Breast Surgery Conference and south zone regional CME of ABSI held at conference Hall, SSB, JIPMER, Puducherry-605006 on 18th and 19th October 2014.
- Organised a child hood cancer awareness walk and street show in association with JCI Pondicherry chapter in February 22nd 2015.

**Conferences and CMEs Attended by Faculty**

**Dr. Biswajit. D**

- Attended as a Faculty at the Best of ASCO meeting 2014 held at Hyderabad International Convention Centre from 27th June to 29th June 2014
- Delivered a talk on Bone marrow transplant program at JIPMER in the Golden Jubilee celebration held on 12th July 2014 at JIPMER, Puducherry
- Participated in JIPMER’s Golden Jubilee mini marathon at JIPMER, Puducherry held on 13th July 2014
- Attended as a Special guest and delivered a talk on screening in Breast cancer at the Pondicherry turns pink launch at Mother Theresa PG institute of Health sciences, Puducherry on July 2014.
- Attended and chaired a Debate session of Phocon 2014 held at Chennai on 10th October 2014
- Attended and was a co-organizer in the first JIPMER Oncoplastic Breast Surgery Conference and south zone regional CME of ABSI held at conference Hall, SSB, JIPMER, Puducherry on 18th and 19th October 2014.
- Delivered a guest lecture on the Art of Delivering chemotherapy in Scientific and academic forum at Mahatma Gandhi Medical College & Research Institute held on 7th November 2014
- Attended and delivered a talk on Clinical guidelines on CML at the 3rd International meeting of clinical practice guidelines in oncology 2014 and Indian perspectives held at Chennai on 20th December 2014
- Attended and was a panelist on the “Palliative Medicine” during the CME on introduction to palliative medicine held at JIPMER, Puducherry on 30.01.2015
Attended and chaired a session on Cancer Institute Orientation Program (COPE)” for post graduate students in Medical Oncology held at WIA cancer institute, Chennai on the 31st of January and 1st February, 2015.

Attended and delivered a talk on Catheter related blood stream infections in cancer patients - prevention and management held at WIA Cancer Institute, Chennai on 21st February 2015.

Attended as a Delegate in the CME and Workshop on Molecular Hematology: Laboratory testing for Myeloid Malignancies, at the XIII Annual conference on Evidence Based management of cancers held at Tata memorial Hospital, Mumbai from 27th February to 1st March 2015

Attended and was a panelist on the “Management of Colorectal cancer” during the MIDASICON 2015, Association of Surgeons of India, Tamilnadu and Puducherry chapter Held at Mahtma Gandhi Medical College & Research Institute, on 7th March 2015

Attended as delegate at the ESMO preceptorship program on colorectal cancer Conducted by European Society for Medical Oncology held in Singapore from 27-28th March 2015.

Dr. Smita Kayal

Attended Orientation Workshop on Epidemiology and Research Methodology at NNTC hall, JIPMER, organized by Department of Community Medicine and Division of Research, JIPMER on 26th & 27th June 2014

Attended Orientation Workshop on Animal Research at NTTC Hall, JIPMER, organized by Department of Physiology & Division of Research, JIPMER on 30th June 2014

Delivered an Invited talk on ‘Hematopoietic Stem Cell Transplant – experience from an infant Centre’ in the JIPMER Scientific Society (JSS) meeting at SSB auditorium, on JIPMER 25th July 2014

Participated in a Workshop on “Good Clinical Research Practice (GCRP)” organized by the Department of Clinical Pharmacology, JIPMER on 22nd to 23rd August 2014

Attended Workshop on Research Grant Proposal writing conducted by Dean Research in collaboration with Department of Pediatrics, JIPMER on 10th & 11th October 2014

Delivered a talk on ‘Chronic Myeloid Leukemia (CML) in pediatric age group – specific challenges’ in the CME organized by the department of Medical Oncology at CIA, Adyar, Chennai on 14th December 2014

Attended the ISMPOCON 2014 at Kolkata as a guest faculty, delivered talks on – ‘Survival analysis- Concepts & Curves’, Introduction to SPSS and was a panelist for the session on ‘Oral Targeted Therapies – Toxicities’ on 26th to 28th December 2014

Delivered talk on ‘Cancer Rehabilitation’ in the CME – ‘PMR- Disability and Beyond” organized by the Department of PMR, JIPMER on 15th February 2015

Attended XIIith Annual conference of Evidence Based Management of Cancer in India (theme: Molecular Hematology: Molecular testing for myeloid malignancies) at Tata Memorial Hospital, Mumbai from 27th February to 1st March 2015

Attended ‘Preceptorship on Colorectal Cancers’ organized by the European Society of Medical Oncology (ESMO) at Singapore from 27th to 28th March 2015

Dr. Sunu Lazar Cyriac

Attended the three monthly TPOG paediatric cancer update held at Cancer Institute (WIA) Adyar, Chennai on 14th February 2015
Attended the Best of San Antonio Breast Cancer Symposium held in New Delhi from 28th March to 29th March 2015

### Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BISWAJIT</td>
<td>Population pharmacokinetics and pharmacogenetics of imatinib mesylate in chronic myeloid leukemia patients</td>
<td>2012 - 2015</td>
<td>Dept. of Science and Technology - fast track 20 Lakhs</td>
<td>Pharmacology, Anatomy and Pathology</td>
<td>Approved and ongoing</td>
</tr>
<tr>
<td>2</td>
<td>BISWAJIT</td>
<td>Influence of genetic polymorphisms on methotrexate maintenance therapy in acute lymphoblastic leukemia patients</td>
<td>2012 - 2015</td>
<td>JIPMER IMF 2 lakhs</td>
<td>Pharmacology, Pathology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>BISWAJIT</td>
<td>Single arm descriptive analysis of neoadjuvant Docetaxel and carboplatin in triple negative breast cancer population</td>
<td>2011-2014</td>
<td>Nil</td>
<td>Surgery and Pathology</td>
<td>Completed</td>
</tr>
<tr>
<td>4</td>
<td>BISWAJIT</td>
<td>International pediatric oncology initiative project</td>
<td>2011-2014</td>
<td>Jivdaya foundation, Texas, USA 12 lakhs</td>
<td></td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
5  BISWAJIT  Membership in CIBMTR (Centre for international Blood and Marrow Transplant and Research) for Transplant Essential Data (TED level) program. 2014-2017  Nil  Ongoing

6  SMITA KAYAL  Pharmacogenetics of Oxaliplatin-Induced Peripheral Neuropathy 2014-2017  JIPMER IMF  Ongoing

**PUBLICATIONS**

**Journals**


4. Jose Francis, Dubashi Biswajit, Rajan Sundaram, Suresh Chandra Pradhan, Adithan Chandrasekaran Influence of MDR1 C3435T Genotype, Sokal Score and Hasford Score on the Overall Survival of Chronic Myeloid Leukemia Patients Treated with Imatinib Blood 2014 124:5543; published ahead of print December 5, 2014


**Patient Care Services**

The Department runs OPD, Minor OT Procedures and Day Care Services from Monday to Saturday. OPD Services & Tumour Clinic:

Time: 9 AM onwards

<table>
<thead>
<tr>
<th>Day</th>
<th>OPD (9 AM onwards)</th>
<th>Tumor Clinic (2.30 PM onwards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Transplant Clinic</td>
<td>Breast cancer clinic</td>
</tr>
<tr>
<td>Tuesday</td>
<td>General Oncology</td>
<td>Head &amp; Neck clinic</td>
</tr>
<tr>
<td></td>
<td>CML Clinic (2:30pm)</td>
<td></td>
</tr>
<tr>
<td>Wednesday</td>
<td>General Oncology</td>
<td>Gynaec Oncology clinic</td>
</tr>
<tr>
<td>Thursday</td>
<td>General Oncology</td>
<td>Surgery tumor clinic Oncoradiology meeting (4th week)</td>
</tr>
<tr>
<td></td>
<td>CML Clinic (2:30pm)</td>
<td></td>
</tr>
<tr>
<td>Friday</td>
<td>General Oncology</td>
<td>Oncopath clinic (1st and 3rd week), Ortho Tumor clinic (2nd and 4th week)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>General Oncology</td>
<td></td>
</tr>
<tr>
<td>Statistics for the year 2013-14</td>
<td>No.s 2013-14</td>
<td>No.s 2014-15</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>OPD attendance (New)</td>
<td>1378</td>
<td>1516</td>
</tr>
<tr>
<td>OPD attendance (Old)</td>
<td>23551</td>
<td>43014</td>
</tr>
<tr>
<td>Support group clinic attendance</td>
<td>739</td>
<td>407</td>
</tr>
<tr>
<td>Inpatient admissions</td>
<td>1198</td>
<td>1064</td>
</tr>
<tr>
<td>Chemotherapy delivered</td>
<td>15304</td>
<td>19355</td>
</tr>
<tr>
<td>Bone-marrow biopsy</td>
<td>331</td>
<td>386</td>
</tr>
<tr>
<td>Intrathecal chemotherapy</td>
<td>136</td>
<td>229</td>
</tr>
<tr>
<td>Central venous catheter</td>
<td>128</td>
<td>161</td>
</tr>
<tr>
<td>Bone marrow transplantation</td>
<td>12</td>
<td>17</td>
</tr>
</tbody>
</table>

**Awards, Honours and other Personal Achievements**

**Dr. Biswajit D**

- Awarded The Indo American Cancer Association travel fellowship (John N. Kapoor Traveling Fellowship) for training in Bone marrow Transplant to Medical college of Wisconsin from September 1st 2015 to September 30th 2015.
- Awarded the ESMO Preceptorship on Colorectal Cancer meeting held at Singapore from 26th March to 28th March 2015.

**Awards won by Medical Oncology Residents at ISMPOCON, 2014 Kolkata**

- Indian Society of Medical and Paediatric Oncology Conference held from 25th – 28th December, 2014 at Kolkata. The theme of the conference was “Safe Medical Practice in Oncology”.
- Dr. Dhanraj won the K. Handoo award for the oral paper titled “Comparison of efficacy of neoadjuvant chemotherapy FEC 100 and Docetaxel 75 versus AC and Doce 100 in locally advanced breast cancer – A prospective randomized clinical trial”
- Dr. Ranjith Kumar received the K. Handoo award for poster presentation titled “Prospective audit of morbidity in patients receiving chemotherapy in department of Medical Oncology of a tertiary care cancer center”.

**Membership of professional bodies:**

**Dr. Biswajit**

- Member of European Association of Cancer Research (EACR 15751)
- Member of European Society of Medical Oncology (63333)
- Life member of Indian Co-operative Oncology network (ICON)
- Life member of Indian Cancer Society
- Life member of Indian association of Palliative care (LF/D/50)
- Member of American society of Hematology
Dr. Smita Kayal
- Indian Society of Medical & Pediatric Oncology (ISMPO)
- Society of Medical Oncologist of India (SOMOI)
- European Society of Medical Oncology (ESMO), full member
- American Society of Clinical Oncology (ASCO), International
- Corresponding member

Dr. Sunu Lazar Cyriac
- Indian Society of Medical & Pediatric Oncology (ISMPO)
- Society of Medical Oncologist of India (SOMOI)
- European Society of Medical Oncology (ESMO), full member

Reviewer and Editorial member for the following journals
- Indian journal of cancer
- Journal of cancer Research and Therapeutics
- Journal of Pharmacology and Pharmacotherapeutics
- Journal of solid tumours
- Cancer and clinical oncology
- Journal of Pediatric hemato oncology

Administrative, Patient Care, Educational, Research and other Assignments

Dr. Biswajit
- Memberships in Official Committees
- Group leader and Member for Blood and Injection, JIPMER Quality Council, Puducherry
- Member- Essential drug list committee
- Member of paid pharmacy
- Member of the Postgraduate Board of Studies – Medicine and Allied Subjects, Sri Ramachandra Medical College (SRMC), Chennai

Administrative Membership and Member –secretary ships
Faculty Mentor for the Research Mentorship Program for Undergraduates (RMPU)

Examinerships
- Fellowship in Medical Oncology
Background Information of The Department

The Department Of Medicine has been the backbone of both the hospital as well as the medical college. It is headed by Dr.R.P.Swaminathan. The department runs daily general medicine OPD as well as several specialty OPD clinics (Diabetes, Hypertension, Geriatrics, Haematology, HIV, Respiratory Medicine). A sixteen bedded ICU has been functioning from 2011 and an 8 bedded HDU has started functioning since March 2014.

A vigorous teaching program is in place for undergraduates and post graduates. Post-graduate teaching focuses not only on imparting clinical skills and theoretical knowledge but also on providing hands-on experience in managing a variety of complex and critical cases under the close supervision of the faculty. In addition, the post graduates also gain research skills and skills for critical appraisal of journal articles and other published literature. The aim is to create expert clinicians who will promote research and evidence based medicine.

Educational Courses

Undergraduate Courses

MBBS course
Postgraduate Courses
M.D. (General Medicine)

Higher Specialty Courses
D.M in Clinical Hematology

Other Courses
Fellowship in Diabetology (One year course)
Emergency Medical Technician Certificate Course

Conferences and CMEs Attended by Faculty

Dr. R. P. Swaminathan
- Gave a Radio talk on Cancer in the month of October 2014
- Gave a Radio talk on Obesity in the month of January 2015
- Chaired a session in a CME on Non-Alcoholic Fatty Liver Disease” held at Puducherry on 30th Nov. 2014

Dr. Abdoul Hamide
As Speaker:
- Non-Alcoholic Fatty Liver Disease-an overview. CME “API-DIAS” held at Puducherry on 30th Nov. 2014
- Integrated Management of HIV Disease. CME arranged at Indira Gandhi Govt. General Hospital, Puducherry as part of World AIDS Day celebration on 1st Dec. 2014.
- Post-Exposure Prophylaxis and Prevention of sharp Injuries. CME on “Blood stream infections –an update”, held at Mahatma Gandhi Medical College, Puducherry on 28th March 2015

As Chair Person:
Occult and Obscure Gastro-intestinal Bleeding. CME on “Gastro-intestinal Bleeding”, held at JIPMER on 17th Aug 2014

Dr. D.K.S. Subrahmanyam
- API-DIAS CME - for practitioners, speaker
- Stroke CME, JIPMER, delegate

Dr. M. Vivekanandan
- Spoke in a television program on fever and its treatment in Doordharshan which was telecast in 2 sessions across Tamil Nadu and Puducherry (17th and 24th of May 2014)
- Held a live phone in program on All India Radio, Puducherry on the topic of “Post Monsoon Illnesses” on 4.11.2014
- Held a live phone in program on Doordharshan, Puducherry on the topic of “Water-borne and Mosquito- borne Illnesses” on 5.11.2014
Chaired a session in the CME on “Stroke Interventions” conducted by Departments of Neurology and Neurosurgery on 29, June, 2014 at JIPMER

Delivered a lecture on ‘Principles of Antibiotic Selection’ in TAPICON 2014(Conference of Tamil Nadu API chapter) at Salem held on 25 and 26, July 2014

Attended a 3 day annual conference on infectious diseases (CIDSCON 2014) in Bangalore from the 22nd to 24th August, conducted by Clinical Infectious Diseases Society of India

Delivered a lecture on ‘Resistant Hypertension’ in AIM 2014 at Sri Ramachandra Medical College, Chennai in September 11.9. 2014

Attended the CME on Obesity Management on 9.11.2014 organized by IMA, Puducherry

Attended one day CME conducted by API-DIAS on 30.11.2015; also served as the chairperson for the talk ‘Management of Allegic Rhinitis from Guidelines to Practice’

Attended 3 day program of ‘All India Intensive PG Training’ conducted by API Chennai chapter at Chennai from 19.12.2015 till 21.12.2015. Delivered a lecture on “Statistics Made Easy and Fun”. Also conducted clinical case discussions

Attended a 7 day course on medical education, the 72nd National Course on Educational Science for Teachers of Health Professionals held from 16.02.2015 to 21.02.2015 at JIPMER by the Department of Medical Education.

Dr. T. Kadhiran

Served as a faculty for the Interns Orientation Programme held on July 16, 2014 at JIPMER and conducted a session on ‘Oral Communication’.

Conducted a session on “Evaluation of diagnostic tests” in the Orientation Workshops on Clinical Research Methodology for newly joined faculty members conducted by the Division of Research, JIPMER held on July 27 and November 10, 2014.

Attended the 22nd Cochrane Colloquium held on September 20–26, 2014 at Hyderabad; Participated as an invited speaker in the Evidence Aid 2014 pre-colloquium symposium held on September 20, 2014 and delivered a lecture on “Why systematic reviews in the disaster context”; Chaired an oral presentation session on ‘Learning and Capacity Building’ in the Colloquium on September 26, 2014.

Attended the pre-colloquium workshops on “Getting the evidence right: Critical appraisal and peer-review of research to inform health decisions” organized by the International Society for Evidence-Based Health Care on September 21, 2014; and “Methods for Cochrane Reviews of Diagnostic Test Accuracy” organized by the Cochrane Screening and Diagnostic Test Methods Group on September 22, 2014.

Delivered a lecture on “Ebola virus disease” at the Department of Medicine, JIPMER on October 29, 2014.

Served a resource person for the Pre-Conference Workshop on Scientific Writing and Biomedical Ethics and delivered a lecture on “Ethics in Practice” in the 3rd international and 6th national conference of the Indian Society for Rational Pharmacotherapeutics at Puducherry on November 20, 2014.

Delivered an invited talk on “Selecting a journal to publish your research paper” in the CME-cum-Seminar on Preparation of Manuscript and Publication of Research Papers in Indexed Journals, organized by the 1st National Conference of the Association of Physiologists of India at Puducherry on December 16, 2014.

Dr. Mukta Wyawahare

- Presented a paper titled’ A descriptive study of Non cirrhotic portal hypertension at a tertiary care centre in South India-Series of 68 patients’ at the 10th annual conference of physicians of India- Tamilnadu chapter on 26th July 2014.

Dr. Chanaveerapa Bamamigatti

- Participated in “Grantsmanship Seminar” conducted at JIPMER, Puducherry on 10th May 2014
- Participated in NIH-SGPGI workshop on “Basic Biostatistics” held at SGPGI, Lucknow from 17th to 20th July 2014
- Organizing member of “AHA accredited BLS & ACLS provider course” conducted at JIPMER, Puducherry from 21st to 23rd August 2014
- Attended Indian Rheumatology Association annual conference (IRACON – 2014) organized by PGIMER, Chandigarh from 27th to 30th November 2014 as a delegate
- Presented a poster titled “Healthcare Associated Infections (HAI) in a resource constrained setting – A Prospective study” at CIDSCON 2014 held at Bangalore from 22nd to 24th of August 2014.

Dr. Vinod. K. V.

- Attended 55th Indian Society of Hematology and Blood Transfusion conference at Ramoji Film City, Hyderabad from 6th to 8th November 2014
- Attended a CME programme on “Haemovigilance Programme of India”, organized by National Institute of Biologicals and Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Govt. of India at SRMCRI, Porur, Chennai on 27th February 2015.

Dr. Molly Mary Thabah

- Attended and presented poster at the 16th APLAR Congress from 31st March to 4th April 2014 held at Cebu city Philippines
- Participated as faculty in the 2nd National Scientific Writing Workshoporganised by the Indian Rheumatology Association on 14th September 2014 at Calicut Kerala India
- Participated as delegate in the workshop on “Book Writing and Meet the Publishers” organised by JIPMER scientific society on 7th November 2014 at SSB Conference hall JIPMER Puducherry India
- Participated as faculty and delivered a lecture on “Biomarkers in SLE- A reality check” at the 30th IRACON from 26th to 30th November 2014 at PGIMER Chandigarh India
- Participated as faculty in the Workshop on Scientific Writing at the 30th IRACON from 26th to 30th November 2014 at PGIMER Chandigarh India
- Attended the Advanced Rheumatology Course as a delegate organised by the Karnataka chapter of the Indian Rheumatology Association on 6th and 7th February 2015 at Bangalore India
- Participated as faculty and speaker at the National Rheumatology Update 2015 organised by the Department of Rheumatology Army Hospital R&R New Delhi on 21st and 22nd March 2015 at New Delhi India

**Dr. M. Vadivelan**
- Attended the workshop on Book writing organized by the JIPMER Scientific Society (JSS) at JIPMER Super Specialty Block Conference Hall on 07/11/2014

**Dr. S. Deepanjali**
- Attended certification course-AHA-BLS & ACLS, JIPMER from 12.02.15 to 14.02.15.

**Dr. Deepak Amalnath**
- Gave a talk on osteoporosis at the API-DIVAS programme, held in Pondicherry by The Association of Physicians of India in collaboration with Medicine department, JIPMER

**Dr. R. Venkateswaran**
- Attended a one day Hands-on Training Programme on Mannequins & Simulators conducted by the Department of Medical Education, JIPMER - in January 2015
- Gave a series of Radio talk on ALCOHOL AND TOBACCO ABUSE for the “Nalamaai Vaazha” program broadcast in All India Radio, Puducherry - in March 2015
- Became a life member of the Association of Physicians of India - in February 2015

**Research Projects**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanc-tioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Abdoul Hamide</td>
<td>Effect of Hepatitis C, Hepatitis D and HIV infections on the Outcome of Hepatitis B virus associated Chronic Liver Disease</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Authors</td>
<td>Title</td>
<td>Duration</td>
<td>Funding Details</td>
<td>Dep. Of Medicine &amp; Microbiology</td>
<td>Status</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------</td>
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<td>---------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>2</td>
<td>Dr. DKS Subrahmanyam</td>
<td>Utility of LAL assay in sepsis</td>
<td>2014 on-going</td>
<td>JIPMER intramural research fund Rs. 80,000</td>
<td>Dep. Of Medicine &amp; Microbiology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Vinod KV</td>
<td>“Assessment of vitamin B12 status in patients of type 2 diabetes mellitus on long term metformin therapy”</td>
<td>3 years [2013 - 2015]</td>
<td>JIPMER intramural research fund</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Molly Mary Thabah</td>
<td>Acute hypopituitarism complicating severe hemotoxic snake-bite: An observational study on clinical manifestations and outcomes</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing till Sept 2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pulmonary renal syndrome in the intensive care unit-A record based study</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Completed</td>
</tr>
</tbody>
</table>
5. Dr. M. Vadivelan

<table>
<thead>
<tr>
<th>Title</th>
<th>Department</th>
<th>Grant Details</th>
<th>Ongoing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thyroid dysfunction in patients with type 2 diabetes mellitus and its association with diabetic complications</td>
<td>JIPMER Intramural Research Grant; Rs. 40,000</td>
<td>JIPMER</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Assessment of Vitamin D status in type 2 diabetes mellitus patients with and without coronary artery disease</td>
<td>To apply for extramural grant from ICMR, New Delhi; Rs. 7.03 lakhs</td>
<td>Department of Biochemistry and Endocrinology</td>
<td></td>
</tr>
</tbody>
</table>

**Publications**

**Journals**


35. Vinod KV, Kumar M, Nisar KK. High dose intravenous immunoglobulin may be complicated by myocardial infarction. Indian J Crit Care Med 2014;18:247-9


Books

None

Book Chapters

- Subrahmanyam DKS and Dr. Mukta V. A Chapter in API Textbook on ‘Plant Poisons.’
Patient Care Services

Clinical Services

The Department of Medicine has 6 units. There are a total of 144 general ward beds. In addition there is a 16 bedded MICU with 16 ventilators and a 8 bedded HDU. Department has six units and each unit has 20 beds approximately. The department runs daily OPD. In addition it also runs specility clinics as well. The specialty clinics are listed in the table below.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Service</th>
<th>Frequency</th>
<th>No. of patients treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Medicine OPD</td>
<td>Daily</td>
<td>1,86,816</td>
</tr>
<tr>
<td>2.</td>
<td>Diabetic Clinic</td>
<td>Twice weekly</td>
<td>45,237</td>
</tr>
<tr>
<td>4.</td>
<td>HIV Clinic</td>
<td>Once weekly</td>
<td>5,207</td>
</tr>
<tr>
<td>5.</td>
<td>Respiratory Clinic</td>
<td>Once weekly</td>
<td>7,168</td>
</tr>
<tr>
<td>6.</td>
<td>Geriatric Clinic</td>
<td>Once weekly</td>
<td>845</td>
</tr>
<tr>
<td>7.</td>
<td>Hypertension Clinic</td>
<td>Once weekly</td>
<td>2,957</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>2,48,230</td>
</tr>
</tbody>
</table>

IP Statistics

Total number of Admission in one year: 12,346

B. Laboratory services

Three laboratories are attached to the department of medicine

Medicine side lab: Carries out basic clinical pathology and biochemistry tests

Diabetic lab: Carries out Foot Scan, Doppler Studies and VPT (vibration perception threshold)

DEXA lab: Carries out bone densitometry

Statistics Of Laboratories Attached To Department Of Medicine

Statistics Of Medicine Side Lab

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the test</th>
<th>No. of tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Haemogram</td>
<td>23,034</td>
</tr>
<tr>
<td>2.</td>
<td>ESR</td>
<td>3,243</td>
</tr>
<tr>
<td>3.</td>
<td>Differential Count</td>
<td>21,452</td>
</tr>
<tr>
<td>4.</td>
<td>Bleeding time</td>
<td>56</td>
</tr>
</tbody>
</table>
5. Clotting time 59
6. Fluid Cell count and type 1,482
7. HbA1C 4,131
8. Osmolality 331

### Urine Investigations

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the test</th>
<th>No. of test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Albumin</td>
<td>9,110</td>
</tr>
<tr>
<td>2.</td>
<td>Sugar</td>
<td>9,110</td>
</tr>
<tr>
<td>3.</td>
<td>Microscopic examination</td>
<td>8,610</td>
</tr>
<tr>
<td>4.</td>
<td>Bile Salt</td>
<td>17</td>
</tr>
<tr>
<td>5.</td>
<td>Bile pigment</td>
<td>24</td>
</tr>
<tr>
<td>6.</td>
<td>Urobilinogen</td>
<td>22</td>
</tr>
<tr>
<td>7.</td>
<td>Ketones</td>
<td>9</td>
</tr>
<tr>
<td>8.</td>
<td>Bence Jones Protein</td>
<td>46</td>
</tr>
<tr>
<td>9.</td>
<td>Eoisophil</td>
<td>74</td>
</tr>
<tr>
<td>10.</td>
<td>24 hrs urine protein</td>
<td>256</td>
</tr>
<tr>
<td>11.</td>
<td>Ph</td>
<td>57</td>
</tr>
<tr>
<td>12.</td>
<td>Myoglobin</td>
<td>50</td>
</tr>
<tr>
<td>13.</td>
<td>Haemoglobin</td>
<td>42</td>
</tr>
</tbody>
</table>

### Stool investigations

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the test</th>
<th>No. of test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Microscopic examination</td>
<td>303</td>
</tr>
<tr>
<td>2.</td>
<td>Occult blood</td>
<td>187</td>
</tr>
</tbody>
</table>

### Statistics of Diabetic Lab

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the test</th>
<th>No. of tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Foot Scan</td>
<td>497</td>
</tr>
<tr>
<td>2.</td>
<td>Doppler</td>
<td>586</td>
</tr>
<tr>
<td>3.</td>
<td>VPT</td>
<td>584</td>
</tr>
</tbody>
</table>

### Statistics of DEXA LAB (Dual Energy X Ray Absorptiometry)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the test</th>
<th>No. of tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>DEXA Scan for bone densitometry</td>
<td>401</td>
</tr>
</tbody>
</table>
C. Plasmapheresis

The department has a plasmapheresis machine which provides a life saving treatment for GBS and other autoimmune disorders

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the procedure</th>
<th>No. of procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Plasmapheresis procedure</td>
<td>75</td>
</tr>
</tbody>
</table>

Awards, Honours and Other Personal Achievements

Dr. Abdoul Hamide

- Reviewer for Indian Journal of Pharmacology, Journal of Paediatric Endocrinology & Metabolism and BMJ case reports.

Administrative, Patient Care, Educational, Research and Other Assignments

Dr. R.P. Swaminathan

- Serving as a senior level administrator as Faculty (Administration). Has been instrumental in the recruitment personnel for the following posts: faculty, nurses, multi tasking staff and other para medical staff
- Administrative Head, Department of Nephrology.
- Member of Renal Transplantation Committee.
- Member, International Society of Nephrology.
- Resource Person for Research Studies at Vector Control Research Centre, Puducherry.
- Member of Scientific Advisory Committee, Vector Control Research Centre, Puducherry.
- Member, Fire Safety Committee, JIPMER.
- Member, Pharmacovigilance Advisory Committee, JIPMER.
- Member, Cadre Restructuring Committee.
- Examiner in various Universities, viz Madras Medical College, JIPMER, Pondichery University, Chettinad University etc. for Post graduates and under graduates

Dr. Abdoul Hamide

- Professor in-charge of the Anti-Retroviral Clinic under the control of National AIDS Control Organisation (NACO)
- Member of the Hospital Infection Control Committee (HICC); in-charge of the prevention of Needle stick injury and Post-Exposure Prophylaxis for preventing HIV transmission
- Member of PG Dissertation Monitoring Committee
- Member of the CSSD purchase committee

Dr. D.K.S. Subrahmanyam

- Member of Doctoral committees
- Guide for MD postgraduate thesis
- Thesis evaluation for other universities
- Examiner and paper setter for MD exams
- Examiner and paper setter for MBBS exams
- Selection committee member
- Member of Assoc. Physicians India (API), Member of Indian Society of Electrocardiology, Member of Indian Academy of Echocardiography.
- Co-guide for PhD, DM, MD, Msc, Nursing candidates
- Principal investigator- intramural research project on ‘Utility of LAL Assay’.

**Dr. M. Vivekanandan**

- Administrative Head, Department of Endocrinology
- Member of the SIGNAL REVIEW PANEL of the Pharmacovigilance Programme of India (PvPI) at the national level
- Faculty-in-Charge for Tamil Nadu Chief Minister’s Insurance Plan for Dept. of Medicine
- Member of the JIPMER annual report committee, 2014-2015
- Acted as Chief supervisor for recruitment exam for physiotherapists, pharmacists, dieticians conducted on 3.8.2014
- Acted as Chief supervisor for recruitment exam for occupational therapist, physiotherapy technician, social worker etc conducted on 12.10.2014

**Dr. T. Kadhiravan**

- Was deputed to conduct Annual Physical Verification of stocks in the Laundry (July 2014)
- Was a Special invitee to the JIPMER Scientific Advisory Committee (JSAC) meetings held on August 7, 2014; Sept 4, 2014; Oct 9, 2014; Nov 7, 2014; Dec 4, 2014; Jan 8, 2015; and Mar 5, 2015.
- Was a Special invitee to the Postgraduate Research Monitoring Committee (PGRMC) meetings for approving postgraduate dissertations held on August 20 and 25-26, 2014; and March 25-27, 2015.
- Was deputed to attend a meeting convened by the Puducherry State Health Secretary on August 12, 2014 to plan emergency preparedness for handling the Ebola virus disease outbreak.
- Was nominated to the Central Team for inspecting the isolation facilities for Ebola treatment created at the King George Hospital, Visakhapatnam, Andhra Pradesh on November 11, 2014.
- Was deputed to attend the Equipment Technical Committee meeting to finalize the equipment to be procured for the JIPMER Phase III Modernization of Old Hospital project on November 18, 2014.
- Faculty-in-charge of Medicine Unit VI, purchase and maintenance of departmental equipment, and residents’ monthly duty roster.
Dr. Suryanarayana BS
- In-charge of UG Teaching and Internal Assessment
- In-charge of Fellowship in Diabetology Course

Dr. Mukta Wyawahare
- Faculty in charge of intern and NPG related matters
- Faculty in charge of prize examinations
- Section editor of International Journal of Advanced Medical Research.

Dr. Chanaveerappa Bammigatti
- Member of “Inspection of isolation facility created by states for preparedness to deal with Ebola Virus Disease” created by MOHFW, Government of India
- Resource person for the “Training of WHO fellow on Patient Safety” during 20th October to 24th October 2014
- Dr. Vinod. K. V.
- Faculty for DM-Clinical Hematology programme
- Member- Institute Diet Committee
- Compiling of mortality morbidity statistics for Dept. of Gen. Medicine and presented data in Institute Mortality and Morbidity meets
- Reviewed articles for the Journal of Pharmacology and Pharmacotherapeutics, Indian Journal Medical Research

Dr. Molly Mary Thabah
- Associate Editor, Indian Journal of Rheumatology

Dr. M. Vadivelan
- Member of Student Counselling Services Committee at JIPMER
- Member of General Financial Rules (GFR) Committee of the Institute that has been constituted to look into purchases by various departments under GFR 145 & 146
- Appointed as a subject expert to contribute to the Question Bank (MCQ type) in the specialty of General Medicine by the National Board of Examinations (NBE) for Final MBBS Examinations
- Appointed as a Reviewer for the Journal of Pharmacology & Pharmacotherapeutics (JPP)

Dr. S. Deepanjali
- In charge of side laboratory, Department of Medicine.
- Involved in PG resident’s evaluation in departmental academic programme.

Dr. S. Deepak Amalnath
- Member in Editorial Board of JIPMER News
- Assisted in conducting the UG/PG/Prize Exams of the Department
- In-charge of Annual Physical Verification of Stock in the Department
**Dr. R. Venkateswaan**

- Conducted ECG classes for the First and Second Year PG students - in February 2015
- Faculty-in-charge of Medical Intensive Care Unit - Ward 41.
- Faculty-in-charge of Management of acutely ill patients with ARDS due to H1N1 in Isolation ward of MICU.

**Dr. S. Jayachandran**

- In charge of Departmental Monthly Statistics, Camp arrangements, Vacation list and Departmental Library

**Significant Events In The Department**

- Dr. N. Balamurugan, third year Medicine Postgraduate student, under the guidance of Dr. Mukta Wyawahare, Associate Professor of Medicine, presented oral paper titled ‘Use of renal resistive index and urinary transferrin creatinine ratio as early markers of diabetic nephropathy’ and was awarded ‘Dr Vijay Viswanathan Medal’ for best oral paper presentation at TAPICON – 2014 (10TH Annual conference of Association of Physicians of India- Tamil Nadu state chapter) held at Salem on 26th – 27th July 2014.
- Dr. ThiruvikramaPrakash and Dr. Subashchandra Bose stood first and second respectively in cardiology quiz conducted in global health hospitals in Chennai in September 2014
- Dr. Sharada M and Dr. Anjana A B were second runners in Dr. S D Deodhar All India Intercollegiate Post graduate Rheumatology quiz held in November 2014
- Dr. Kishore Kumar A, 3rd Year Medicine PG student under the guidance of Dr. T K Dutta, Professor of Medicine Presented Oral Paper titled “Patients developing AKI from snake envenomation are at high risk of progression to CKD. Long term follow up results from a large cohort study from south India” in ISNCON 2014 held in Kolkata on December 2014.
- Dr Jail Singh, third year post graduate student under the guidance of Dr Mukta Wyawahare ,won the first place in oral paper presentation for his paper titled ‘Cardiac Function In Cirrhosis’ in SMV-SIPCON’15(SOUTH INDIAN PHYSICIANS CONFERENCE) held on October 31st and November 1st, 2015 at Pondicherry.
DEPARTMENT OF MICROBIOLOGY

Faculty List:

Senior Professor, Director and Dean Research: Subhash Chandra Parija
Senior Professor and Head: B. N. Harish
Professor: Sujatha Sistla
Associate Professor: Jharna Mandal, Rakesh Singh, Rahul Dhodapkar
Assistant Professor: Rakhi Biswas, Noyal Mariya Joseph, Apurba Sankar Sastry, Nonika Rajkumari

Background Information of the Department

The Department of Microbiology of JIPMER evolves continuously to keep pace with the high clinical diagnostic demands. Being a part of one of the most prestigious institutes of India, the department and its faculty strive hard to maintain the high standards in all its activities such as diagnostic services, undergraduate & postgraduate teaching and research. The department offers high end diagnostic facilities like real time PCR for viral infections, CD 4 counts for HIV and molecular tests for diagnosis of tuberculosis & leptospirosis. The department has added a number of tests like PCR for HSV, Immunofluorescence assay for Rickettsia and Nested-PCR assay for the diagnosis of Scrub typhus during the period 2013-14. One of the sections of the Department - State Reference Laboratory for HIV testing is accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL). The department also has facilities for automated detection and antimicrobial susceptibility testing by BACTEC, Microscan walkaway, MGIT, BD Phoenix and GeneXpert IV. Department of Microbiology has installed high through put automated ELISA system (EVOLIS ELISA system) which can run four assays at any given time.

Faculty, PhD scholars and Residents of the department are also involved in cutting edge research activities. The research activities of the department are funded through various extramural and intramural research grants; the department also has many collaborative projects with other premier institutes.

EDUCATIONAL COURSES

Department of Microbiology, JIPMER offers the following regular courses:

- Undergraduate Courses
  - MBBS
- B.Sc. Medical Laboratory Technology (MLT)
- B.Sc. Nursing
- B.Sc. Allied Medical Sciences

- **Postgraduate Courses**
  - M.D.
  - M.Sc. Medical Laboratory Technology (MLT)

- **Higher Speciality Courses**
  - Post MD Fellowship in Tropical Parasitology

- **Research Courses**
  - Ph.D.

- **Other Courses**
  - Medical record trainees & Medical record officers (MRT/MRO)
  - Emergency Trauma Technician Courses (EMT)

**Conferences And Cmes Organized By The Department**

**Workshops**

- Department of Microbiology, JIPMER organized “XIII National Workshop on Diagnostic methods in Clinical Microbiology” from 8th to 11th October, 2014 funded by National Academy of Medical Sciences, Indian Council of Medical Research, Council for Scientific & Industrial Research, Medical Council of India.

- Department of Microbiology, JIPMER organized EQAS I workshop on 13th June, 2014 and EQAS II workshop on 19th February, 2015 in collaboration with the Pondicherry AIDS Control Society.

**CME:**

**Training Programmes:**

- Refresher training on “STI/RTI” in three batches on 5th September, 2014; 26th and 27th February, 2015 for laboratory technicians in collaboration with the Pondicherry AIDS Control Society.

- Refresher training for laboratory technicians from 8th to 12th September, 2014 in collaboration with the Pondicherry AIDS Control Society.

- Training on “Whole Blood Screening” and lectures on “Laboratory diagnosis of HIV and Process flow and counselling of ICTC clients” for Labour Room Nurses from 7th to 8th November, 2014 in collaboration with Pondicherry AIDS Control Society.

- Training on “Whole Blood Screening” and lectures on “Collection, transport and storage of specimens for HIV testing” for Auxiliary Nurse Midwife in three batches from 24th to 29th November, 2014 in collaboration with Pondicherry AIDS Control Society.

- Refresher training on STI/RTI for Medical Officers in two batches on 13th March, 2015 for laboratory technicians in collaboration with the Pondicherry AIDS Control Society.

- Orientation program for nurses of Puducherry region of GFATM, PSM students and MSc Nursing staff about the functions and services of Integrated Counseling and Testing Center.
• Training on “Whole Blood Screening” for DMCLT & STLS on 15th and 16th September, 2014 in collaboration with Pondicherry AIDS Control Society.

• Training on “Whole Blood Screening” for Labour Room Nurses organized on 7th and 8th November, 2014 in collaboration with Pondicherry AIDS Control Society.

Conferences And Cmes Attended By Faculty

S.C.Parija

• Invited as a Guest Lecturer in the Department of Microbiology, at Kasturba Medical College, Manipal University, Karnataka from 23rd to 24th June 2014.

• Attended as Chief guest and inaugurated for the Workshop Series for Capacity Building in Research for faculty and PhD candidates, “Orientation Workshops on Epidemiology” which was held for newly joined faculty in two batches in May and June 2014. In continuation to that, an orientation workshop was held for PhD candidates on 23rd and 24th July 2014 at Mini Auditorium, JIPMER Academic Centre.

• Organized and delivered an inaugural speech on “Orientation workshop on clinical research methodology”, for the young faculty in JIPMER on 27th July 2014 at NTTC hall, JIPMER along with Department of Anesthesiology & CC, JIPMER.

• Attended as Chief Guest and inaugurated two workshops on Animal and Lab Experimentation for newly joined Assistant Professors and other faculty members of JIPMER, on 30th June, 2014, and on 31st July, 2014 in collaboration with Department of Physiology. Prof Parija delivered a key note address on “The importance and need of animal research in clinical medicine and for building research career of faculty members.”

• Attended the inauguration of workshop on “Biosafety in Recombinant DNA (rDNA) Research” for members of JIPMER IBSC & Faculty, residents & PhD Scholars of JIPMER, on 21st August 2014 which was jointly organized by Institutional Biosafety Committee (IBSC), JIPMER, under the auspices of the Research Division and Department of Physiology. Prof Parija delivered a key note address on “The importance and relevance of rDNA research in India.”

• Attended as chief guest and inaugurated a “Orientation Workshop on Research Grant Proposal” which was jointly organized by Dean Research along with the Department of Pediatrics, JIPMER on 10th and 11th October, 2014 at JIPMER Academic Centre.

• Attended and inaugurated “XIII National Workshop on Diagnostic methods in Clinical Microbiology” organized by the Department of Microbiology, JIPMER, from 8th to 11th October, 2014

• Attended as President of Indian Academy of Tropical Parasitology (IATP) for the VIII National Conference of the IATP from 20th to 22nd November, 2014 held at Regional Medical Research Centre, Dibrugarh, Assam. Prof Parija delivered Presidential Oration on “New technology, new perspectives and new approaches for diagnosis of parasitic diseases in 21st century: from bench to bedside”.

• Attended as a Chief Guest and inaugurated the “23rd All India Conference Biomedical Laboratory Science” held on 6th & 7th December 2014 at Annamalai University, Chidambaram.

• Attended as a Chief Guest and inaugurated the “1st A.P State Chapter Conference of IATP” which was held on 20th December 2014 at Sri Venkateswara Institute of Medical Sciences, Tirupati, Andhra Pradesh.
• Attended as a Committee Expert, HBSSBM in India Project, at NIE, Chennai, on 12\textsuperscript{th} January 2015.

• Attended a meeting organized by the Drugs Controller General(India), New Delhi which was held on 30\textsuperscript{th} January 2015 at New Delhi.


• Attended and inaugurated the Uttar Pradesh chapter of IATP and delivered a keynote address on 28\textsuperscript{th} March, 2015.

\textbf{B.N. Harish}

• Delivered a lecture at the CME on “Microbial Infections: an update” organised by the Microbiology Department, Sri Manakula Vinayagar Medical College and Hospital on 23\textsuperscript{rd} January, 2015.

• Delivered a lecture at the IAMM-Karnataka Chapter February 2015 organised by SS Institute of Medical Sciences, Davangere, Karnataka.

• Organized and was a resource person for XIII National Workshop on “Diagnostic methods in Clinical Microbiology” conducted by the Department of Microbiology, JIPMER, from 8\textsuperscript{th} to 11\textsuperscript{th} November 2014.

• Resource person for EQAS I workshop on 13\textsuperscript{th} June, 2014 and EQAS II workshop on 19\textsuperscript{th} February, 2015 for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

• Resource person for Refresher training on STI/RTI in three batches on 5\textsuperscript{th} September, 2014; 26\textsuperscript{th} and 27\textsuperscript{th} February, 2015 for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

• Resource person for Refresher training for laboratory technician from 8\textsuperscript{th} to 12\textsuperscript{th} September, 2014 organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

• Resource person for training on “Whole Blood Screening” for Labour Room Nurses from 7\textsuperscript{th} to 8\textsuperscript{th} November, 2014 organized by the Department of Microbiology, JIPMER in collaboration with Pondicherry AIDS Control Society.

• Resource Person for training on “Whole Blood Screening” for Auxiliary Nurse Midwife in three batches from 24\textsuperscript{th} to 29\textsuperscript{th} November, 2014 organized by the Department of Microbiology, JIPMER in collaboration with Pondicherry AIDS Control Society.

• Resource Person for Refresher training on STI/RTI for Medical Officers in two batches on 13\textsuperscript{th} March, 2015 for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

• Attended XXXVIII National Conference of Indian Association of Medical Microbiologists MICROCON-2014, organized by SMS Medical College, Jaipur, at Birla auditorium, Jaipur from 15\textsuperscript{th} to 19\textsuperscript{th} October 2014.

• Attended the 15\textsuperscript{th} Congress of the International Federation of Infection Control with the XIII HISICON, New Delhi from 22\textsuperscript{nd} – 24\textsuperscript{th} March, 2015.
S. Sujatha

- Attended and delivered a guest lecture on “Glycopeptide resistance in Gram positive Cocci Laboratory detection and clinical implications” at VINMICRO, 2014, IAMM TN and Pondicherry chapter meet at Yercaud, 5th and 6th July, 2014
- Chaired a symposium on “Post operative management and infection control”, organized by Department of CTVS, JIPMER on 28th April 2014
- Chaired a symposium on “Effect of yoga on stress and heart rate variability” organized by the department of Physiology on 18th December 2014
- Resource person and organizing committee member of XIII National Workshop on “Diagnostic methods in Clinical Microbiology” organized by the Department of Microbiology, JIPMER, from 8th to 11th October, 2014
- Resource person for the workshop on ”Spot the diagnosis” conducted at the XXXVIII National Conference of Indian Association of Medical Microbiologists held at Birla auditorium, Jaipur on 15th October, 2014
- Resource person for the workshop on”MARCl 2014 conducted by SRMC, Chennai, from 28th to 30th November 2014
- Attended the XXXVIII National Conference of Indian Association of Medical Microbiologists organized by SMS Medical College, Jaipur at Birla auditorium, Jaipur from 15th to 19th October, 2014
- Attended a workshop on “Biosafety in recombinant DNA research” held on August 21st 2014, JIPMER

Jharna Mandal

- Resource person for XIII National Workshop on “Diagnostic methods in Clinical Microbiology” organized by the Department of Microbiology, JIPMER, from 8th to 11th October, 2014
- Resource person for the workshop on “Spot the diagnosis” during the 38th National conference of the IAMM held at Jaipur on 15th October, 2014
- Attended the XXXVIII National Conference of Indian Association of Medical Microbiologists organized by SMS Medical College, Jaipur from 15th to 19th October, 2014 and presented a poster titled “Enteric pathogen profile & knowledge, attitude and behaviour about food hygiene among food handlers in a tertiary health care center”
- Resource person and delivered lectures on “Laboratory diagnosis and testing of Syphilis” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society on 19th February, 2015.
- Resource person and delivered lectures on “Elements/components of Total Quality Management/ Quality System Essentials” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society on 11th September 2014.
- Resource person and delivered lectures on 10th September, 2014 on “Prevention of blood borne and hospital acquired infections, including HIV/AIDS standard work precautions” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society
Resource person and delivered lectures on 5th September, 2014 on “Training of Laboratory technicians and understanding of common STI/RTI” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Rakesh Singh

Resource person and conducted EQAS I workshop on 13th June, 2014 and EQAS II workshop on 19th February, 2015 and delivered lectures on “Laboratory diagnosis of HIV and Common errors and Troubleshooting” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person and conducted EQAS I workshop on 13th June, 2014 and EQAS II workshop on 19th February, 2015 and delivered lectures on “Laboratory diagnosis of HIV and Common errors and Troubleshooting” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person and conducted Refresher training on STI/RTI in three batches on 5th September, 2014; 26th and 27th February, 2015 and delivered a lecture on “Laboratory test for STI/RTI-Microscopy” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person and conducted Refresher training for laboratory technician from 8th to 12th September, 2014 and delivered lectures on “Detection of HIV infection, HIV testing protocols and strategies, Process and flow of clients at ICTC/PPTCT for HIV counseling and testing, Introduction to HIV testing, Common errors, causes and trouble shooting and Summary” organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person and conducted training on “Whole Blood Screening” and delivered lectures on “Virology and Pathogenesis of HIV infection, Laboratory diagnosis of HIV and Process flow and counselling of ICTC clients” for DMCLT & STLS from 15th to 16th September, 2014 organized by the Department of Microbiology, JIPMER in collaboration with Pondicherry AIDS Control Society.

Resource person for DERMAZONESOUTH 2014 conference and delivered a guest lecture on “Chlamydia-Approach to a lab diagnosis” on 21st September, 2014 held at JIPMER Academic Centre. Dr Rakesh Singh also judged free papers and posters on sexually transmitted diseases

Resource person for XIII National Workshop on “Diagnostic methods in Clinical Microbiology” organized by the Department of Microbiology, JIPMER, from 8th to 11th October 2014

Resource person for IAMM workshop on “Spot the diagnosis microscopic and photographic slides for Bacteriology, Mycology, Parasitology, Immunology” held at SMS Medical College Jaipur on 15th October 2014

Attended and presented poster entitled “Evaluation of fourth generation rapid kit for monitoring the response to antiretroviral therapy” in 38th MICROCON 2014, Annual Conference of IAMM from 17th to 19th October, 2014 held at Birla Auditorium, Jaipur, Rajasthan and judged posters session

Attended 38th National Conference of Indian Association for the Study of Sexually Transmitted Diseases & AIDS (IASSTD & AIDS), held at Bhargava Auditorium, PGIMER, Chandigarh from 31st October to 2nd November, 2014

Resource person and conducted training on “Whole Blood Screening” and delivered lectures on “Laboratory diagnosis of HIV and Process flow and counseling of ICTC clients” for Labour Room Nurses from 7th to 8th November, 2014 organized by the Department of Microbiology, JIPMER in collaboration with Pondicherry AIDS Control Society
Resource person and conducted training on “Whole Blood Screening” and delivered lectures on “Laboratory diagnosis of HIV and Process flow and counseling of ICTC clients” for Auxiliary Nurse Midwife in three batches from 24th to 29th November, 2014 organized by the Department of Microbiology, JIPMER in collaboration with Pondicherry AIDS Control Society.

Attended and presented poster entitled “State Reference Laboratory for HIV: successes, challenges and policy implications on quality management system adherence and accreditation process” in “National meet on Strengthening HIV laboratories in India A journey of three decades” organized by National AIDS Control Organization held at Hotel Eros International, Nehru place, New Delhi from 4th to 5th December, 2014.

Attended “Internal Auditors Course ISO – 15189:2012” from 18th to 21st December, 2014 organized by ESIC Hospital, KK Nagar, Chennai.


Resource person and conducted Refresher training on STI/RTI for Medical Officers in two batches on 13th March, 2015 and delivered a lecture on “Laboratory test for STI/RTI- Microscopy” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Organised training on orienting nurses of Puducherry region of GFATM, PSM Students and MSc Nursing staff about the functions and services of Integrated Counseling and Testing Center.

Rahul Dhodapkar


Resource person for EQAS I workshop on 13th June, 2014 and EQAS II workshop on 19th February, 2015 and delivered lectures on “EQA proficiency testing” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person for Refresher training on STI/RTI in three batches on 5th September, 2014; 26th and 27th February, 2015 and delivered a lecture on “Laboratory test for STI-Serology” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person for Refresher training for laboratory technician from 8th to 12th September, 2014 and delivered lectures on “Detection of HIV infection, HIV testing protocols and strategies, Process and flow of clients at ICTC/PPTCT for HIV counseling and testing, Introduction to HIV testing, Common errors, causes and trouble shooting and Summary” organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person for DERMAZONESOUTH 2014 conference and delivered a guest lecture on “Herpes in Pemphigus” on 21st September, 2014 held at JIPMER Academic Centre.

Resource person for XIII National Workshop on “Diagnostic methods in Clinical Microbiology” organized by the Department of Microbiology, JIPMER, from 8th to 11th October 2014.
Resource person for training on “Whole Blood Screening” and delivered lectures on “Laboratory diagnosis of HIV and Process flow and counseling of ICTC clients” for Labour Room Nurses from 7th to 8th November, 2014 organized by the Department of Microbiology, JIPMER in collaboration with Pondicherry AIDS Control Society

Resource Person for training on “Whole Blood Screening” and delivered lectures on “Collection, transport and storage of specimens for HIV testing” for Auxiliary Nurse Midwife in three batches from 24th to 29th November, 2014 organized by the Department of Microbiology, JIPMER in collaboration with Pondicherry AIDS Control Society

Resource Person for Refresher training on STI/RTI for Medical Officers in two batches on 13th March, 2015 and delivered a lecture on “Laboratory test for STI/RTI- Microscopy” for laboratory technician organized by the Department of Microbiology, JIPMER in collaboration with the Pondicherry AIDS Control Society.

Resource person for training on orienting nurses of Puducherry region of GFATM, PSM Students and MSc Nursing staff about the functions and services of Integrated Counseling and Testing Center

Noyal Mariya Joseph

Resource person and delivered a lecture on “Patient Safety including Safe Practices – Hospital Acquired Infection”, during the Interns orientation programme, organized by the Department of Medical Education, at JIPMER, Pondicherry on 12th January 2015.

Resource person and delivered a lecture on “Wound infection”, during the “Wound Simulation Course, CME & Training Workshop”, organized, by the Department of Plastic Surgery, at JIPMER, Pondicherry on 18th July 2014.

Resource person and delivered a lecture on “Surgical Site Infection”, during the Symposium on “Postoperative Management & Infection Control Following Open Heart Surgery”, conducted, by the Department of Cardio-thoracic & Vascular Surgery, at JIPMER, Pondicherry on 28th April 2014.

Attended RNTCP State Level Conference – 2015, organized by IGMC&RI and STF, Puducherry, under the auspices of State TB Cell and Puducherry State Health Mission, at IGMC&RI, Mahabalipuram, on 25th March 2015.

Attended Good Clinical Laboratory Practices (GCLP) Workshop on International Standard (ISO 15189: 2012), jointly organized by YRG Care, ICMR and DBT, from 12 to 14th March 2015 at TICEL Biopark, Taramani, Chennai

Attended RePORT India 3rd Leadership Group Meeting, organized by BJ Govt. Medical College under auspices of Indo-US VAP: RePORT Initiative, at Courtyard Marriott, Central City, Pune, on 3-5th March 2015.


Attended Orientation Workshop on “Clinical Research Methodology”, organized by Division of Research, and Department of Anaesthesiology & Critical Care, JIPMER, on 10th November 2014.
 Attended RePORT India Leadership Group Meeting, organized by Blue Peter Public Health & Research Centre (BPHRC), under auspices of Indo-US VAP: RePORT Initiative, at BPHRC on 4th November 2014.

- Attended workshop on “Research Grant Proposal Writing”, organized by Division of Research, and Department of Pediatrics, JIPMER, on 24th & 25th October 2014.

- Attended RNTCP Zonal Task Force (South Zone-II) Workshop – 2014, organized by the Institute of Thoracic Medicine, Madras Medical College, Chennai and RNTCP State Task Force & State TB Cell, under the auspices of Central TB Division, DGHS, MOHFW, Govt. of India, at Radisson Blu-Temple Bay Resort, Mahabalipuram, on 15th & 16th October 2014.

- Attended workshop on “Biosafety in Recombinant DNA Research”, organized by Division of Research and Department of Physiology, JIPMER under the auspices of Institutional Biosafety Committee (IBSC), JIPMER, on 21st August 2014.

- Attended Orientation workshop on “Animal and Lab experimentation”, organized by Division of Research, JIPMER and Department of Physiology, on 31st July 2014.

- Attended 2nd Orientation Workshop on Epidemiology, organized by Division of Research, JIPMER and Department of PSM, on 26th & 27th September 2014.

- Attended RePORT India Grantmanship Seminar, organized during the 2nd Joint Leadership meeting under auspices of Indo-US VAP: RePORT Initiative, at JIPMER on 10th May 2014.

**Apurba Sankar Sastry**

- Resource person and organizing committee member of XIII National Workshop on “Diagnostic methods in Clinical Microbiology” organized by the Department of Microbiology, JIPMER, from 8th to 11th October 2014


- Attended workshop on Bioethics, at JIPMER on 24th January, 2015

**Nonika Rajkumari**

- Attended and organizing team member of XIII National workshop in Diagnostic Microbiology conducted by the Department of Microbiology, JIPMER from 8th – 11th October, 2014.

- Attended workshop on “Human Milk Banking” 2014 at LTMG hospital of LokmanyaTilak Municipal Medical College, Sion Mumbai, on November 26th and 27th, 2014.

- Attended 72nd National Course on Educational Science for Teachers of Health Professionals from 16th to 21st February 2015, JIPMER organized by Department of Medical Education, JIPMER.

- Resource person of the Refresher training on STI/RTI for Medical Officers in two batches held on 13th March, 2015 organized by the Department of Microbiology, JIPMER, Puducherry in collaboration with the Pondicherry AIDS Control Society.
## Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. S. C. Parija</td>
<td>Nodal coordinating centre for surveillance of antimicrobial resistance in <em>Staphylococcus</em> species</td>
<td>2013 -18</td>
<td>Indian Council of Medical Research Rs. 2.77 crores</td>
<td>PGIMER, Chandigarh, AIIMS New Delhi, CMC Vellore</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr. S. C. Parija</td>
<td>Establishment of Regional Virology Network Laboratory Permanent DHR facility</td>
<td>2013 onwards</td>
<td>Department of Health Research Rs. 15 crores</td>
<td>-</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Dr. S. C. Parija</td>
<td>Cloning, Over expression and evaluation of recombinant antigens for immunodiagnosis of Neurocysticercosis</td>
<td>2013 -16</td>
<td>Department of Science and Technology Rs. 50 lakhs</td>
<td>-</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>Dr. S. C. Parija</td>
<td>A multicentric hospital based study on diagnosis of <em>Entamoeba histolytica</em>, <em>E. dispar</em> and <em>E. moshkovskii</em> in India</td>
<td>2013-16</td>
<td>Indian Council of Medical Research Rs. 28 lakhs</td>
<td>TNMC &amp; BYL Nair, Mumbai PGIMER Chandigarh, BHU, Varanasi</td>
<td>Ongoing</td>
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<tr>
<td>Project No.</td>
<td>Investigator</td>
<td>Project Title</td>
<td>Start Year - End Year</td>
<td>Funding Agency</td>
<td>Funding Details</td>
<td>Status</td>
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<tr>
<td>5</td>
<td>Dr B.N. Harish</td>
<td>Characterization of genes responsible for carbapenem resistance in clinical &amp; environmental samples.</td>
<td>2012-15</td>
<td>Indian Council of Medical Research</td>
<td>Rs 32 Lakhs</td>
<td>Ongoing</td>
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<tr>
<td>6</td>
<td>Dr B.N. Harish</td>
<td>National programme on containment of anti-microbial resistance.</td>
<td>2012-17</td>
<td>National Centre for Disease Control Ministry of Health &amp; Family welfare</td>
<td>Rs 65 Lakhs</td>
<td>Ongoing</td>
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<tr>
<td>7</td>
<td>Dr B.N. Harish</td>
<td>Rapid diagnosis of rickettsial infections by Real-Time PCR, duplex Real-Time PCR by targeting the groEL gene and serological test.</td>
<td>2013-16</td>
<td>Indian Council of Medical Research</td>
<td>Rs 17.5 Lakhs</td>
<td>Ongoing</td>
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<tr>
<td>8</td>
<td>Dr B. N. Harish</td>
<td>Nodal centre for the antimicrobial surveillance network for Staphylococcus &amp; Enterococcus species. (co-investigator)</td>
<td>2013-2019</td>
<td>Indian Council of Medical Research</td>
<td></td>
<td>Ongoing</td>
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<tr>
<td></td>
<td>Name</td>
<td>Description</td>
<td>Year</td>
<td>Funding Source</td>
<td>Principal Investigator</td>
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<tr>
<td>9</td>
<td>Dr. S. Sujatha</td>
<td>Development of a simple, rapid, cost effective loop mediated isothermal amplification assay for viral respiratory tract infections in humans</td>
<td>2014-15</td>
<td>Intramural Rs. 3,50,000</td>
<td>Nil</td>
<td>Ongoing</td>
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<tr>
<td>10</td>
<td>Dr. S. Sujatha</td>
<td>Antibody response to influenza viruses in patients with chronic respiratory diseases</td>
<td>2014-15</td>
<td>Nil</td>
<td>Department of Medicine, JIPMER</td>
<td>Ongoing</td>
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<tr>
<td>11</td>
<td>Dr. Jharna Mandal</td>
<td>Determination of the mechanisms of quinolone resistance in <em>Shigella</em> species</td>
<td>2014-2016</td>
<td>JIPMER, 3,00,000</td>
<td>Nil</td>
<td>Ongoing</td>
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<tr>
<td>12</td>
<td>Dr. Rakesh Singh</td>
<td>Antifungal Susceptibility Testing and Genotyping of the Cryptococcal isolates from Delhi and other parts of India</td>
<td>2013-15</td>
<td>Department of Biotechnology, Ministry of Science &amp; Technology, Government of India Rs 11.25 Lakhs</td>
<td>AIIMS, New Delhi, UCMS &amp; GTB Hospital, New Delhi MKCG College Berhampur, Orissa, NEI-GRIHMS, Shillong</td>
<td>Ongoing</td>
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<tr>
<td>No.</td>
<td>Name</td>
<td>Project Description</td>
<td>Start Date</td>
<td>Institution</td>
<td>Department</td>
<td>Status</td>
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<tr>
<td>13</td>
<td>Dr Rahul Dhodapkar</td>
<td>Study on antiviral activity of Ricinus communis, Azadirachta indica, Alstonias scholaris plants against adenovirus</td>
<td>March, 2015-2017</td>
<td>JIPMER (Intramural)</td>
<td>Department of Microbiology, JIPMER and Pondicherry University</td>
<td>Ongoing</td>
</tr>
<tr>
<td>14</td>
<td>Dr. Noyal Mariya Joseph</td>
<td>Comparison of BACTEC MGIT 960 system with proportion method for drug susceptibility testing of Mycobacterium tuberculosis</td>
<td>March 2015 – April 2016</td>
<td>JIPMER (Intramural fund)</td>
<td>Nil</td>
<td>Ongoing</td>
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</table>

**Publications**

**A. Journals**


30. Rajkumari N. Impact of technology in better dispersal of health care methods and improving health care systems. Occup Med Health Aff 2014;2(3) http://dx.doi.org/10.4172/2329-6879.1000162


B. Books

Apurba Sankar Sastry

Nonika Rajkumari
C. Book Chapters

B. N. Harish


8. PATIENT CARE SERVICES

Laboratory

To report high load of the clinical samples and to decrease turnaround time automated systems are installed in the Department of Microbiology. Automated detection and antimicrobial susceptibility testing is performed by BACTEC, Microscan walkaway, MGIT and BD Phoenix. Department has installed high through put automated ELISA system (EVOLIS ELISA system) which can run four assays at any given time.

Department of Microbiology routinely performs molecular diagnosis of TB meningitis, HSV encephalitis, leptospirosis, amoebiasis and neurocysticercosis by PCR. Tests that have been added in the recent years to the meet the diagnostic needs of the hospital include the PCR for HSV, Immunofluorescence assay for rickettsia, Nested-PCR assay for the diagnosis of Scrub typhus, QBC (Quantitative Buffy Coat) technique for the detection of haemo-parasites, antigen detection tests for hydatid disease and neurocysticercosis, modified acid-fast stain for intestinal coccidian parasites, Western Blot for neurocysticercosis and hydatid disease, tests for anti-nuclear antibody, IgM ELISA for brucellosis, IgM ELISA and LAT for leptospirosis, new antibiotic panel for susceptibility testing, antigen detection for Cryptococcus neoformans. Also in line is the ELISA for various Hepatitis viruses, Hepatitis B markers, IgM ELISA for Rubella, CMV, Herpes. Immunofluorescence staining based antigen detection assays, for diagnosis of viral respiratory tract infections and Herpes virus infection are also available. Rotavirus antigen detection is done by latex agglutination test. The department also has a tissue culture laboratory where routinely Vero and MDCK cell lines are maintained and culture of Herpes virus is performed. Department of Microbiology, JIPMER has also scaled up the surveillance services of the hospital water testing as an ALERT for the possible outbreak of water borne diseases. Regional Influenza Laboratory has been established for diagnosis of all kinds of influenza like illnesses by Real time PCR. State Reference Laboratory for HIV testing is granted Accreditation by National Accreditation Board for Testing and Calibration Laboratories (NABL).

To conclude, the Department of Microbiology at JIPMER is in the process of development. The department is making an all-round effort to provide newer diagnostic services for better patient care, upgraded training program for the students: both undergraduates and postgraduates, and a congenial environment for research and innovation.

Awards, Honours and other Personal Achievements

S.C.Parija

Fellowships:

- FRCPath : Fellow, Royal College of Pathologists, UK
- FAMS : Fellow, National Academy of Medical Sciences
- FICPath : Fellow, Indian College of Pathologists
FISCD : Fellow, Indian Society for Malaria and other Communicable Diseases
FABMS : Fellow, Indian Association of Biomedical Scientists
FIMSA : Fellow, International Medical Science Academy
FICAI : Fellow, Indian College of Allergy & Applied Immunology
FIAVP : Fellow, Indian Association of Development of Veterinary Parasitology

**Memberships in Professional Associations:**

- Life member
  - Indian Association for Development of Veterinary Parasitology
  - Indian Association of Medical Microbiologists
  - Indian Society for Parasitology
  - Indian Association of Pathologists & Microbiologists
  - Indian Immunology Society
  - Indian Association of Malaria & other Communicable Diseases
  - Indian College of Allergy & Immunology
  - Indian Academy of Allergy
  - Indian Association of Biomedical Scientists

**Editorial ships:**

- **Editor-in-Chief**
  - Internet Journal of Parasitic Diseases, published from Texas, The USA
  - Tropical Parasitology, published by the Indian Academy of Tropical parasitology

- **Editor**
  - Topical series on HIV/AIDS and opportunistic diseases and co-infection, published by BMC UK

- **Associate Editor**
  - BMC Infectious Diseases published by BMC UK
  - BMC Journal of Case Reports (JCR) published by BMC UK
  - BMC Research Notes published by BMC UK

- **Member of Editorial board**
  - The on-line journal BMC Clinical Pathology (2001-continue).
  - Biosciences, published by the Indian Association of Biomedical Scientists (2001-continue).
The Indian Journal of Medical Microbiology, published by the Indian Association of Medical Microbiology (1992-95, 2001-continue).

The Indian Journal of Pathology & Microbiology, published by the Indian Association of Pathologists and Microbiologists (2001-continue).

B.N. Harish
Fellowship:

- International Medical Science Academy

Memberships in Professional Associations:

Life member:

- Indian Association of Medical Microbiology
- European Society of Clinical Microbiology & Infectious Diseases.
- American Society for Microbiology
- Indian Network for Surveillance of Antimicrobial Resistance
- Society for Indian Human and Animal Mycologists
- JIPMER Scientific Society (JSS)

S. Sujatha

Memberships in Professional Associations:

Life member:

- Indian Association of Medical Microbiology
- Society for Indian Human and Animal Mycologists
- JIPMER Scientific Society (JSS)

Editorial ships:

Section Editor

- International Journal of Advanced Medical Research Member

Jharna Mandal

Memberships in Professional Associations:

Life member:

- Indian Association of Medical Microbiology (IAMM)
- Society for Indian Human and Animal Mycologists (SIHAM)
- International society for infectious diseases (ISID)
- Indian Academy of Tropical Parasitology (IATP)
- JIPMER Scientific Society (JSS)
- European Society for Clinical Microbiology and Infectious Diseases (ESCMID)
Editorial ships:
Managing Editor
- Tropical Parasitology (official journal of the Indian Academy of Tropical Parasitology)

External Reviewer:
- International Journal of Medicine and Public Health

Rakesh Singh
Memberships in Professional Associations:
Life member
- Indian Association of Medical Microbiology (IAMM)
- Indian Academy of Tropical Parasitology (IATP)
- Society for Indian Human and Animal Mycologists (SIHAM)
- Indian Association for The Study of Sexually Transmitted Diseases & AIDS (IASSTD & AIDS)
- JIPMER Scientific Society (JSS)

Rahul Dhodapkar
Memberships in Professional Associations:
Life member
- Indian Association of Medical Microbiology (IAMM)
- Indian Academy of Tropical Parasitology (IATP)
- JIPMER Scientific Society (JSS)
Corresponding member
- International Society for Infectious Diseases (ISID)

Rakhi Biswas
Memberships in Professional Associations:
Life member
- Indian Association of Medical Microbiology (IAMM)
- Indian Academy of Tropical Parasitology (IATP)

Noyal Mariya Joseph
Memberships in Professional Associations:
Life member
- Indian Association of Medical Microbiology (IAMM)
- Indian Academy of Tropical Parasitology (IATP)
- JIPMER Scientific Society (JSS)
Apurba Sankar Sastry

Memberships in Professional Associations:

Life member

- Indian Association of Medical Microbiology (IAMM)
- Indian Academy of Tropical Parasitology (IATP)
- JIPMER Scientific Society (JSS)
- Hospital Infection Society - India

Nonika Rajkumari

Memberships in Professional Associations:

Life member

- Society for Indian Human and Animal Mycologists (SIHAM)
- Indian Association of Mycoplasmologists (IAM)
- International Society for Infectious Diseases
- Indian Association of Medical Microbiologists (IAMM)
- Hospital Infection Society - India
- Indian Association of Medical Microbiologists - Delhi Chapter
- JIPMER Scientific Society (JSS)

Editorships:

Assistant Editor

- Tropical Parasitology journal (official journal of the Indian Academy of Tropical Parasitology)

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

S. C. Parija

Administrative assignments

- Member, World Health Organization –Food & Agriculture Organisation (WHO-FAO), International Committee on Food Safety for Parasites
- Member, WHO committee on Global prevalence of food-borne microbial diseases
- Member, Board of Examiners, University of Malaya, Kuala Lumpur, Malaysia
- President, Indian Academy of Tropical Parasitology
- Member, Selection Committee, SGPGIMS, Lucknow
- Member, Selection Committee, Postgraduate Institute of Medical Sciences, Chandigarh
- Member, Governing Board, JIPMER
- Dean Research
- Vice-chairperson, JIPMER Scientific Advisory Committee
Guideship:

- Guide for the Ph.D. thesis on “Identification and evaluation of diagnostic target by phage display library for neurocysticercosis”
- Guide for the Ph.D thesis on “ Genetic diversity and pathogenicity of Entamoebadispar”
- Guide for the Ph.D thesis on “ Prevalence, genetic diversity and pathogenicity study on Blastocystis in India”
- Guide for the Ph.D thesis on “ Genetic diversity and cytokine profiling of Plasmodium vivax India”

Examinership:

- External examiner for the M.D Examination in the subject of Microbiology, at Sri Venkateswara Institute of Medical Sciences, Tirupati, Andhra Pradesh from 28th April to 30th April 2014
- Chairman of the selection board for recruitment of Assistant Professors on short term contractual basis at AIIMS, Raipur, held on 14th July 2014.
- External Examiner for MD (Microbiology) examination in the Department of Microbiology, at All India Institute of Medical Sciences, Ansari Nagar, New Delhi from 11-12-2014 to 13-12-2014
- External Examiner for MBBS examination in the Department of Microbiology, at All India Institute of Medical Sciences, Raipur, Tatibandh, GE Road, Raipur from 16-12-2014 to 17-12-2014
- External Expert of final Doctoral Committee in the Department of Microbiology, at Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Lucknow on 21st October 2014
- External Examiner for Doctoral Viva-Voce Examination which was held on 7th February 2015 at Banaras Hindu University, Varanasi, Uttar Pradesh

Patient Care:

- In-charge of the laboratory reporting in the diagnostic Parasitology section
B.N.Harish

Administrative assignments

- Officer-in-charge of JIPMER Central Library.
- Faculty in-charge, Central Animal House, JIPMER
- Officer-in-charge for Regional Influenza Laboratory.
- Laboratory Director of State Reference Laboratory for HIV.
- Officer-in-charge of Integrated Counseling & Testing Centre.
- Member of the core committee in JITS
- Overall-all-In-charge of the laboratory services in the Department of Microbiology

MCI Inspectorships:

- Appointed as MCI inspector for the increase in seats of MD course in Microbiology at BLDE Medical College, Bijapur, Karnataka.

Guideship:

- Guide for M.D. dissertation on “Diagnostic power of Real time PCR in human brucellosis.”
- Guide for the M.D. dissertation on “Role of Real-Time PCR, IgM ELISA & culture in the diagnosis of leptospirosis.”
- Guide for the M.D. dissertation on “Bacteriological profile of catheter related bloodstream infections”

Examinership:

Internal Examiner for the M.D. (Microbiology) Degree Examination March/April 2015

Patient Care:

- In charge of the laboratory reporting in the diagnostic Bacteriology of Blood Culture and Sterile Body Fluid and Immunology sections.
- Introduced Nested PCR assay for Rickettsial diagnosis

S.Sujatha

Administrative assignments

- Faculty Academic affairs ( M.B.B.S)
- Chairman of condemnation committee
- Member of the institutional biosafety committee
- Member of DC committee for 5 PhD students, 4 from JIPMER and one from Sri SatyaSai Medical College, Chennai
Guideship:

- Guide for the MD dissertation on “Multiplex PCR for the simultaneous detection of Streptococcus pneumoniae, Haemophilus influenzae and Neisseria meningitidis for the rapid diagnosis of acute pyogenic meningitis”

Examinership:

- External examiner for M.D. - SRMC, Chennai, April 2014
- External examiner for M.D. - MGMC, Pondicherry, April 2014
- Internal examiner for M.D. Microbiology, JIPMER, April 2014, October 2014 and March 2015
- Conducted viva voce for a PhD candidate, Madras University, April 2014
- Internal examiner for M.Sc MLT, Microbiology - JPMER, June 2014
- Internal examiner for M.B.B.S. - JIPMER, June 2014
- External examiner for M.B.B.S. - IGMC, Pondicherry, June 2014
- External examiner for M.Sc Medical Microbiology - PIMS, Pondicherry, July 22nd to 24th, 2014
- Question paper setter- M.B.B.S and M.D Microbiology, JIPMER
- MCQs Question paper setter for entrance examination – M.D, MScMLT, PhD for JIPMER and other universities.

Educational:

- Department In charge of MBBS course

Patient Care:

- In-charge of the laboratory reporting in the diagnostic Bacteriology–Exudate, Respiratory Anaerobic and Regional Influenza Laboratory sections.

Other assignments:

- Appointed as specialist to inspect the isolation facility created by the State of Telangana and union territory of Pondicherry to deal with Ebola Virus Disease by the EMR, MOHFW during November 2014
Jharna Mandal

Administrative assignments

- Assistant Warden of UG and PG girls’ hostels
- Mentor for UG student designated by the Institute
- Member of the Committee for the Interns Orientation and resource faculty
- Member secretary for the Institute PhD Research Monitoring Committee
- Member of the intramural fund releasing committee
- Nominated Member of the PRMC for PhD candidates
- Member of the seating committee for the Convocation held in 2014

Guideship:

- Guide for the M.D. dissertation on “Molecular characterization of diarrhoeagenic Escherichia coli in children less than 5 years old – a hospital based study”
- Guide for the M. Sc research project on “Phenotypic characterization of Escherichia coli strains isolated from the urine and the gastrointestinal tract of the patients with catheter associated UTI”
- Guide for the PhD. thesis on “Genetic analysis of Shigella with reference to its virulence factors”
- Guide for the PhD thesis on “Study of virulence pattern, antimicrobial resistance and genetic relatedness of Escherichia coli” isolated from diarrhoeal stool samples”

Examinership:

- Question Paper setter for the BSc Nursing, BSc MLT for May/June 2014 and November/December 2014
- Internal examiner for B.Sc (MLT) Degree Examination May/June 2014
- Internal examiner for M.B.B.S. - JIPMER, June 2014
- External Examiner for MBBS Microbiology Examination Pondicherry University, on 26th April 2014

Educational:

- Department In charge of MD Microbiology Course

Patient Care:

- In-charge of the laboratory reporting in diagnostic Bacteriology- Urine and Stool sections.
- Other assignments
- Appointed as specialist on special duty to inspect the isolation facility created by the State of Tamil Nadu to deal with Ebola Virus Disease by the EMR,MOHFW

Rakesh Singh

Administrative assignments

- Member secretary of JIPMER Intramural Research Fund Committee
Member of workshop items purchase committee for central workshop
- Quality manager of State Reference Laboratory for HIV
- Indian Academy of Tropical Parasitology EQAS Coordinator

**Guideship:**
- Guide for the M.D. dissertation on “Role of p24 Antigenemia in Early Detection of HIV infection among Couples”
- Guide for the M.Sc. research project on “Evaluation of fourth generation rapid kit for monitoring the response to antiretroviral therapy”
- MBBS STS research project “Fungal profile of Candiduria at tertiary care hospital”

**Examinership:**
- Chief Institute Representative for on-line based distributed objective system entrance examination for MBBS course session 2014-15 held at Faridabad on 8th June, 2014
- External Examiner for MBBS Microbiology Examination Pondicherry University, on 26th April and 14th August, 2014
- Paper setter for MSc MLT entrance examination and National Board of Examinations

**Educational:**
- In-Charge of BSc Allied sciences course
- In-Charge of MRT/MRO courses
- Resource person and delivered lecture on “Rational use of Lab services” in PG Orientation Program on 11th February, 2015 for DM/MChSuperspecialty Course postgraduate students conducted by Department of Medical Education

**Patient Care:**
- Laboratory reporting Mycology section
- Laboratory reporting HIV section
- Laboratory reporting STI section

**Other Activities**
- Deputed at Udhampur and Reasi, Jammu division as a member of public health team from 22nd September to 3rd October, 2014 for surveillance implementation of public health measures and outbreak investigations & response after recent flood in Jammu and Kashmir
- Deputed for inspecting isolation facilities for Ebola Virus Disease (EVD) management at six sites - General Hospital, Kozhikode, Govt Medical College Hospitals, Kozhikode, General Hospital Trivandrum, Govt Medical College Hospitals, Trivandrum, General Hospital Ernakulam, Cochin and Government Medical College, Kottayam at Kerala from 10th to 12th November, 2014
Participated in Nationwide HIV Sentinel Surveillance program organized by National AIDS Control Organisation (NACO)

Performed physical verification of central workshop stores

Peer reviewed articles from IJAMR and JPP

Rahul Dhodapkar

Administrative assignments

- Member secretary of Project Management & Implementation Unit – Regional Viral Research & Diagnostic Laboratory
- Member of Central stores purchase committee
- Safety Officer of State Reference Laboratory for HIV
- Treasurer, Indian Academy of Tropical Parasitology
- Souvenir Committee of Golden Jubilee Organizing Committee
- Nodal Officer, HIS Unit

Guideship:

- Guide for MD dissertation titled “Immunofluorescence assay and multiplex PCR for detection of adenoviruses in patients with keratoconjunctivitis”
- Guide for the M.Sc research project “Comparison of L1 based and E6/ E7 primers in detection of HPV for malignancies of Head and Neck region”
- MD dissertation “Comparison of Seroconversion Response to Hepatitis B Vaccination in Acute Lymphoblastic Leukemia during Induction and Maintenance Phase of Chemotherapy”
- MS dissertation “The association of human papillomavirus in oral cavity andoropharyngeal squamous cell carcinoma in a tertiary hospital in south India”.

Examinership:

- External Examiner for MSc Microbiology Examination Pondicherry University
- Internal examiner for B.Sc. (MLT) Degree examination May/June 2014 & Nov / Dec 2014
- Paper setter for BSc MLT & MSc MLT University examination
- MSc MLT entrance examination and National Board of Examinations

Educational:

- Departmental in-charge of the MSc MLT course
- Resource person and delivered lecture on “Rational use of Lab services” in Interns Orientation Program on conducted by Department of Medical Education

Patient Care:

- In-charge of the laboratory reporting in the diagnostic Virology and the Tissue culture sections

Other Assignments:

- Deputed for inspecting isolation facilities for Ebola Virus Disease (EVD) management at King George Hospital Vishakhapatnam (Andhra Pradesh)
- Performed physical verification of Lister & Osler house stores
- Peer reviewed articles from IJAMR

**Noyal Mariya Joseph**

**Administrative assignments**
- Member Secretary of RNTCP Core Committee of JIPMER
- Member of Plagiarism Verification Committee
- Joint Secretary of IAMM Puducherry Chapter
- Member of the JIPMER Quality Council.

**Educational:**
- Departmental in-charge of the B. Sc Nursing course

**Patient Care:**
- In-charge of the laboratory reporting in the diagnostic Mycobacteriology section

**Apurba Sankar Sastry**

**Educational:**
- Departmental in-charge of the B. Sc MLT course

**Patient Care:**
- Hospital infection Control Officer and In-charge of the Hospital Infection Control, JIPMER, Puducherry.
- Other assignments
- In charge of Bernard theatre,

**Nonika Rajkumari**

**Patient Care:**
- In-charge of the laboratory reporting in the diagnostic Parasitology
- In-charge of Antibiotic sensitivity section of the department of Microbiology

**Educational:**
- Conducted Tropical Parasitology Prize examination for JIPMER interns on 6\textsuperscript{th} December, 2014 at the Department of Microbiology, JIPMER.

**Other activities:**
- Peer reviewer of Journal of Laboratory Physicians, Annals of Medical and Health Sciences Research and Journal of Trauma and Treatment.

**Significant Events in the Department**
- State Reference Laboratory for HIV under Department of Microbiology is awarded outstanding performance in Quality Assurance certificate in HIV testing issued by Mr Lov Verma, Secretary, Health and Family Welfare, Ministry of Health and Family Welfare, Government of India at National meet on “Strengthening HIV laboratories in India - A journey of three decades” New Delhi on 4\textsuperscript{th} December, 2014.
- Department of Microbiology, JIPMER was designated a surveillance centre under National Program on Prevention & Control of Viral Hepatitis in India by NCDC, New Delhi.
- Established HICC (hospital infection control committee) in full fledge manner since November 2014.
- Achieved 100 percent entry and authorization of investigations and their reports.
Background Information of the Department

The Neonatology division had been an important segment of the Department of Pediatrics since inception, providing robust clinical care and training in Neonatology. To provide an impetus to neonatal services in JIPMER, the Neonatology division was upgraded to a separate department from 1st December, 2014. Ours is a busy level III NICU providing quality clinical services free of cost including CPAP, mechanical ventilation and surfactant therapy in addition to 24X7 neonatal resuscitation and emergency care for all neonates. DM Neonatology course was commenced in August 2009 with an aim to nurture competent super-specialists who would be capable enough to provide clinical care of the highest order to the newborn infants, and serve as future teachers, trainers, researchers and leaders in the field of Neonatology. With the initiation of PhD course in Neonatology from September 2010, research activities bringing science from bench to bedside and taking evidence to practice have been given a new thrust in the department. Our department was involved in National neonatal-perinatal data collection project and is known for the extensive research in neonatal sepsis and perinatal asphyxia including therapeutic hypothermia. The neonatology services for both extramural and intramural neonates have been brought under one roof in JIPMER Women and Children hospital (JWCH)

Educational Courses

Undergraduate Courses

MBBS – Theory and practical sessions in neonatology and essential newborn care

Postgraduate Courses

MD (Pediatrics) and MD (Obs & Gyn) - PGs are posted by rotation

Higher speciality courses

D.M (Neonatology) - 2 students per academic year.

Research Courses

PhD in Pediatrics – Currently 3 scholars are working on neonatal topics.

Other courses

Diploma in neonatal nursing
Regular NRP and Essential newborn care training for UGs/PGs/and nurses
Conferences and CMEs Organized by Department

Breastfeeding week 2014

The Division of Neonatology and Pediatrics Department celebrated the World breastfeeding week with great vigor this year. The whole week was studded with various activities involving pediatricians, obstetricians, nurses, paramedical staff, medical and nursing students, public and media focusing on theme for WBW 2014: BREASTFEEDING: A Winning Goal - For Life! We thank Breastfeeding Promotion Network of India (BPNI), Indian Academy of Pediatrics (IAP) and National Neonatology Forum (NNF) for their inspiration and the various stakeholders for their kind coordination and making this week long celebration a success. We wish to continue this annual tradition.

National newborn week 2014

The Department of Neonatology celebrated the National Newborn Week (November 15 - 21, 2013) with great vigor. The whole week was studded with activities involving pediatricians, obstetricians, nurses, paramedical staff, medical and nursing Students, public and media focusing on neonatal health and wellbeing.

Neonatal resuscitation workshop for nurses

Two workshops for staff Nurses in Neonatal Resuscitation and Essential Newborn Care was organized by the Department of Neonatology on 10th August and 8th-9th November, 2014 in College of Nursing, JIPMER. A total of 50 participants including nurses and nursing students of JIPMER participated in each of this NRP-First Golden Minute project of Indian Academy of Paediatrics. Dr. Vishnu Bhat, Dr. B. Adhisivam, Dr. Nishad Plakkal and Dr. Nivedita were among the faculty.

Workshop on Research Grant Proposal writing

A workshop on Research Grant Proposal writing was conducted in coordination with the office of the Dean Research for one batch of JIPMER faculty on 10th and 11th October, 2014. The same workshop was conducted for the second batch of JIPMER faculty on 24th and 25th October, 2014. Lectures covering various aspects on research grant proposal writing were given by faculty including external experts from ICMR and other JIPMER faculty who had experience in securing extramural grants. All the sessions were appreciated with an average feedback score of 4/5. The participants also presented their concept proposals on Day 2 of each workshop.

Conferences and CMEs Attended by Faculty

Dr B. Vishnu Bhat, Professor and Head

1. Workshop on ‘Good practices in clinical research’ at JIPMER on 22nd and 23rd August 2014 - chaired a session
2. Grand rounds and Oration of Indian Journal of Pediatrics at New Delhi on 7th September 2014- Chaired an oration and evaluated presentations
3. Key opinion leader meeting at Healthcare Technology Innovation Centre, IIT Chennai on 4th November- participated as a member
4. Neofest CME at ICH Chennai on 16th November 2014- Panelist for discussion on ‘Hot issues in therapeutic hypothermia’
6. OSCE workshop for DNB at Chennai from 14th to 16th November – participated as a member
7. National Neonatology annual conference at Patna from 4th to 7th December- Presented 3 papers, chaired two sessions and panelist for one session
8. National teachers training centre workshop at JIPMER from 2nd to 7th February and 16th to 21st February 2015
9. Criticare conference 2015 at Bangalore from 4th to 8th March 2015- Presented a paper on neonatal sepsis
10. WHO meeting at Delhi with regard to Monovalent and Bivalent oral polio vaccine on 18th March 2015.
11. DBT meeting at Delhi - Founders day on 18th and 19th March 2015.

Dr. B. Adhisivam, Associate Professor
1. Attended Inclen Leadership And Management Program (Lamp) For Health Research Course From 20Th March – 2Nd April 2014 At Faridabad, Haryana.

Dr. Nivedita Mondal, Assistant Professor
1. Attended the 5th annual conference of Association of Child Neurology (AOCN)-(work shop and conference) from 7th to 9th February 2014 conducted in Hyderabad by the AOCN and Pediatrics Epilepsy Society Hyderabad and Rainbow Hospital for Women and Children.
2. Attended the ‘Pediatric EEG practical course’ conducted in Chennai on 27 April 2014
3. Attended the ‘Fetal echocardiography workshop 2014’ conducted on 29th June 2014 in JIPMER
4. Attended the work shop on“Work Place Based Assessments “ organized by the Dept.of Medical Education on 19th July 2014.
5. Attended Pediatric Neonatal and Fetal Neuroimaging Course conducted at Chennai on 21st December 2014.

Dr. Nishad Plakkal, Assistant Professor
2. Key opinion leader meeting at Healthcare Technology Innovation Centre, IIT Chennai on 4th November for design of an India-specific neonatal incubator - participated as a member
3. Attended 6th Facility Based Newborn Care National Training of Trainers Workshop organized by UNICEF/National Neonatology Forum at Panna, MP from 23rd to 26th September 2014.
5. Attended the National Instructor Course on “Neonatal Resuscitation India” held at Kalawati Saran Children’s Hospital, New Delhi, on 20th July 2014.
6. Participated as Faculty in the Postgraduate Assembly organized by the Department of Anaesthesiology & Critical Care, JIPMER, on 15th February 2015.
Research Projects

Funded projects:

ICMR:
1. Postnatal counseling on exclusive breast feeding using video
2. Effects of zinc supplementation on serum calprotectin level and acute inflammatory response in neonatal sepsis
3. Epigenetic variations in relation with disease susceptibility and outcome in neonatal sepsis

CSIR:
1. Evaluation of efficacy of new molecular based diagnostic system (SES) in comparison to routine blood culture in neonatal sepsis

DBT:
1. Effects of Narciclasine on induced inflammatory response in neonatal sepsis rat models
2. Therapeutic hypothermia and neuronal biomarkers in term neonates with Hypoxic Ischemic Encephalopathy - a randomized controlled trial

Intramural:
1. Effect of therapeutic hypothermia on DNA damage in perinatal asphyxia
2. Polymorphism in S100A9 gene in relation with disease susceptibility and outcomes in neonatal sepsis
3. Risk factors and outcome in neonates with septic shock
4. Risk factors for meconium staining of amniotic fluid in the preterm- a comparative study

Publications

A. Journals
7. Dhas BB, Antony HA, Bhat V, Newton B, Parija SC. Global DNA methylation in neonatal


B. Books
Nil.

C. Book Chapters
Nil

Patient Care Services

Intramural:

- 1000 - 1400 deliveries per month
- 14 bedded level III NICU (100% bed occupancy)
- 15 bedded level II NICU (100% bed occupancy)
- 31 bedded level I NICU (100% bed occupancy)

**Post natal wards with 70-80 babies.**

- Dedicated Kangaroo mother care (KMC) ward (12 beds)
- Total Bed Strength: 142 (72+ 70 postnatal)

**Extramural:**

- 50-60 admissions per month

**Equipment**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Number available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilators</td>
<td>15</td>
</tr>
<tr>
<td>Multipara meter monitors</td>
<td>15</td>
</tr>
<tr>
<td>Pulse oximeters (in addition 15 open care systems have in built pulse oximeters)</td>
<td>30 + 15(in built)</td>
</tr>
<tr>
<td>Infusion pumps</td>
<td>25</td>
</tr>
<tr>
<td>Incubators</td>
<td>6</td>
</tr>
<tr>
<td>Open care systems</td>
<td>55</td>
</tr>
<tr>
<td>Phototherapy units</td>
<td>15 + 15 in-built with open care systems</td>
</tr>
<tr>
<td>Laminar hood</td>
<td>2</td>
</tr>
<tr>
<td>Blood gas analyzer</td>
<td>1</td>
</tr>
<tr>
<td>CPAP machine</td>
<td>6 + 15 in-built with open care systems</td>
</tr>
<tr>
<td>Neonatal resuscitation trolley</td>
<td>6</td>
</tr>
<tr>
<td>Portable USG machine</td>
<td>1</td>
</tr>
<tr>
<td>OAE machine for hearing screening</td>
<td>1</td>
</tr>
</tbody>
</table>

**Procedures done:**

- Surfactant therapy
- Neonatal ventilation
- Exchange transfusion
- Peritoneal dialysis
- Total Parenteral Nutrition (TPN)

**Outpatient services**

**Under five clinic – Wednesday (afternoon)**

NICU graduates as well as babies with uneventful perinatal period are followed up in the under-five clinic. Immunization as per the Universal Immunization Program is followed. Growth monitoring, treatment of medical problems and parental counseling is done on a case to case basis.
High risk neonates follow up clinic– Monday, Wednesday, Friday (forenoon)

The high risk clinic running three days a week is for the follow up of babies who are at high risk for adverse neurodevelopmental outcome. The services are offered to both inborn babies discharged from our Neonatal Intensive Care Unit and also to Outborn babies who are identified as high risk in the under-five clinic. Assessment of growth, neurological examination, hearing assessment and development assessment are done. Neuroimaging, referral for ophthalmology/ENT assessment, occupational therapy and speech therapy are done as required.

Physiotherapy/occupational therapy for high risk infants – with support of Sathya special school, Pondicherry. These services are provided three days in a week. This is in addition to the daily physiotherapy and occupational therapy units functioning under the Physical Medicine and Rehabilitation (P.M.R.) Department

Hearing screening/speech therapy for high risk infants – with support of All India Institute of Speech and Hearing, Mysore. Dedicated staffs are being recruited for hearing assessment and speech therapy under this program.

Laboratory services

Department side laboratory caters to all basic investigations including routine hemogram and urine examination of inpatients. A dedicated research lab with equipments like PCR, electrophoresis unit, cooling centrifuge, short spinner, bioanalyser, etc. are available for basic and translational research

Awards, Honours and Other Personal Achievements

Dr. B. Vishnu Bhat
1. Section Editor for Neonatology – Indian Journal of Pediatrics
2. Editor ‘Current Pediatric Research’
3. Fellowship of National Neonatology Forum
4. JIPMER scientific society internal oration

Dr. B. Adhisivam
1. Completed course for Regional trainer advanced NRP (IAP–NNF–NRPFGM)
2. Awarded Dr. V. Balagopala Raju Award (2013) for research paper on Kangaroo mother care

Dr. Nivedita Mondal
1. Completed the District Instructor Course conducted by the IAP–NNF Neonatal resuscitation Program First Golden Minute Project on 26 and 27th July 2014.

Dr. Nishad Plakkal
1. Completed the ‘72nd national course on educational science for teachers of health professionals’ held at NTTC, JIPMER from 16th-21st February 2015.
2. Administrative, Patient Care, Educational, Research & Other Assignments

Dr. B. Vishnu Bhat, Professor & Head
1. Examiner for DNB Neonatology and Pediatrics Examinations
2. External Examiner for MBBS (Paediatrics) Practical Exam at Pondicherry Institute of Medical Sciences, Puducherry
3. External Examiner for D.M. (Neonatology) and MD Examinations
4. Member of Bid Evaluation Committee for procurement of Neonatal Ventilator under PMSSY
5. Member, Disaster Management Committee, JIPMER.
6. Vice-Chairman, Drug Purchase and Utilization Monitoring Committee, JIPMER
7. Member of Diet Committee for Purchase of Food items
8. Member, Vidyalaya Management Committee, Kendriya Vidyalaya No.1
9. MCI Inspector for availability of facilities for medical courses
10. Chairman – essential drug committee
11. Faculty NTTC, JIPMER
12. Editor – Current Paediatric Research

Dr. B. Adhisivam, Associate Professor
1. Member in JIPMER Quality Council
2. Member, Committee for the Purchase and Inspection of Furniture items
3. District trainer for NRP- FGM (Neonatal resuscitation – first golden minute project)
4. External examiner for Final MBBS University examinations (Pediatrics) - Tamil Nadu DR M.G.R. Medical University and University of Pondicherry

Dr. Nishad Plakkal, Assistant Professor
1. Member, Administrative Group, JIPMER Women and Children’s Hospital
2. National Instructor, Neonatal Resuscitation India
3. National Trainer of Trainers, Facility Based Newborn Care
4. Examiner (MBBS), Pondicherry University

Significant Events in the Department

A “Perinatal Mortality and Morbidity Meeting” is organized monthly by the departments of Neonatology and Obstetrics & Gynaecology.

A combined academic session with the Department of Pediatric Surgery is being conducted on the first week of every month from February 2015.
Background Information of the Department

The department of Nephrology made significant progress in the areas of patient care services, training and research in the past one year. There was significant expansion of dialysis services; the deceased donor kidney transplantation program was streamlined and has become a regular program and three new sub-specialty clinics were started to improve patient care and follow up. The dept. received its first extramurally funded research project in 2014 (funded by International Society of Nephrology). The research findings from various research projects conducted in the dept. were presented at national and international conferences and papers published in peer-reviewed journals. The formal collaboration of the dept. with Columbia University, New York, under the Sister Renal Center program of the International Society of Nephrology was upgraded to the second stage (Level B) from January 2015, based on the performance over the past two years.

Educational Courses

Undergraduate courses : BSc Allied Medical Sciences – Dialysis Technology
Postgraduate Courses : Nil
Higher Specialty Courses : D.M. Nephrology
Research Courses : Nil
Other courses : Nil

Conferences and CMEs Organized by Department:

Nephrology Update 2014 - Kidney Transplantation: One day CME on Kidney Transplantation, organized in collaboration with Dept of Nephrology, Madras Medical College and Chennai, Columbia University, New York, USA, and Supported by the International Society of Nephrology’s Educational Ambassador Program. Was held at Chennai, on 5th October 2014

Conferences and CMEs Attended by Faculty

Sreejith Parameswaran

1. Delivered a lecture on ‘Steroid Sparing in Kidney Transplantation’ on 22nd May at a CME on Kidney transplantation, Hotel Accord, Puducherry.
2. Invited faculty at PD Scientific 2015 at Christian Medical College, Vellore, on 17th and 18th April 2015 and delivered a lecture on ‘PD at my center’.

4. Organized ‘World Kidney Day’ on 11th March 2015 at JIPMER

5. Indian Society of Nephrology South Zone Conference (ISNSCON 2015) at Kozhikode 13th – 15th February 2015 and chaired a session on ‘original research papers presentation’

6. CME on Palliative Care, 30th January 2015, at JIPMER, Puducherry, organized by Dept of PSM and RCC, JIPMER.

7. Invited faculty at the annual national conference of Indian Society of Nephrology (ISNCON 2014), 18 – 21 December 2014, Calcutta. Delivered a lecture on ‘Body Composition Monitoring’ in a seminar on ‘How Stuff Works’. Also was the corresponding author in two research papers presented (by residents) at the conference.

8. Was the organizing secretary of “Nephrology Update – 2014 : Kidney Transplantation”, a one day CME organized by the depts. of Nephrology, JIPMER and Madras Medical College (MMC), in Chennai on 5th October 2014. The CME was supported by the ‘education ambassador’ program of the International Society of Nephrology and Columbia University Medical Center, New York, USA.

9. Invited faculty at a ‘CME on Continuous Ambulatory Peritoneal Dialysis’ organized by Dept. of Nephrology, Madras Medical College, Chennai, on 20 September, 2014 and delivered a lecture on ‘Setting up a CAPD program in Resource Poor Setting’.


11. Participated in a ‘Workshop on Animal and Lab Experimentation’ on 31 July 2014, at JIPMER


**P.S. Priyamvada:**

1. RED Cap(Research Data Capture) software training session, 07/07/2014; JIPMER

2. SGPGI- NIH Workshop on ‘Basic Biostatistics’, 1/07/2014 to 20 /07/2014; SGPGI , Lucknow

3. Workshop on Animal and Lab Experimentation , 31/07/2014 ; JIPMER

4. Workshop on Research Grant Proposal writing , 25 & 24/10/2014; JIPMER

5. Annual conference Indian Society of Nephrology, 18- 21/12/2014; Kolkata, India.

6. SGPGI- NIH Workshop on ‘Scientific Paper Writing’, 27/02/2015- , 01/03/2015; SGPGI , Lucknow

7. Annual conference Indian Society of Nephrology Southern Chapter, 12to 14/03/2015; Calicut, India
## Research Projects

Provide details of projects as Principal Investigator in the following table only. Do not include projects as co-investigator, PG dissertations and PhD theses.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RP Swaminathan</td>
<td>Follow up study on renal function and serum potassium in patients admitted with hypokalemic paralysis at JIPMER</td>
<td>2013-15</td>
<td>NA</td>
<td>Departments of Medicine, Nephrology &amp; Biochemistry</td>
<td>Completed</td>
</tr>
<tr>
<td>2</td>
<td>RP Swaminathan</td>
<td>Serum uric acid and cytokine levels as predictors of mortality in critically ill patients with acute kidney injury</td>
<td>2013-15</td>
<td>NA</td>
<td>Departments of Medicine, Nephrology &amp; Biochemistry</td>
<td>Completed</td>
</tr>
<tr>
<td>3</td>
<td>RP Swaminathan</td>
<td>A prospective study on the Impact of dialyzer reuse of dialyzer efficiency</td>
<td>2012-14</td>
<td>NA</td>
<td>Department of Nephrology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>RP Swaminathan</td>
<td>Levels of Proteinuria in patients with nephrotic syndrome and its relationship with serum oxidative markers of inflammation</td>
<td>2013-15</td>
<td>NA</td>
<td>Dept of Nephrology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>5</td>
<td>RP Swaminathan</td>
<td>Prognostic significance of urinary biomarkers NGAl and KIM 1 in critically ill patients with AKI</td>
<td>2013-15</td>
<td>NA</td>
<td>Dept of Nephrology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>6</td>
<td>Sreejith Parameswaran</td>
<td>A prospective study on the complications of Therapeutic Plasma Exchange using plasma filter</td>
<td>2012-14</td>
<td>NA</td>
<td>Department of Nephrology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>7</td>
<td>Sreejith Parameswaran</td>
<td>The spectrum of mineral bone disease in advanced chronic kidney disease - a cross sectional study</td>
<td>2014 - 16</td>
<td>JIPMER</td>
<td>Nephrology, Biochemistry</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
Publications

A. Journal


Books
Nil

Book Chapters

Patient Care Services
The Dept of Nephrology started the following new patient care services in 2014-15:

- Glomerular Diseases Clinic
- Dialysis Clinic
- Kidney Transplantation Clinic

Expansion of existing patient care services:

- Four new dialysis machines were donated by the Rotary club – Pondy Beach Town and there are a total of 14 dialysis machines in the dept now.
- The CAPD program was expanded under the Tamil Nadu state insurance scheme and there are a total of 50 patients undergoing CAPD from JIPMER at present
- Additional two isolation rooms exclusively for admission of kidney transplant recipients were sanctioned for the dept.

Include Department wise listing in text / tabular form.

Clinical services

- Kidney Transplantation Service - Living Donor as well as Deceased Donor
- Dialysis Services
  - Emergency Haemodialysis 24 x 7
  - Maintenance Haemodialysis for patients with end stage renal disease (ESRD)
  - Sustained Low Efficiency Dialysis (SLED) for critically ill patients with renal failure
  - Continuous Ambulatory Peritoneal Dialysis (CAPD) for patients with End Stage Renal Disease (ESRD)
  - Intermittent Peritoneal Dialysis
  - Haemodiafiltration
- Treatment of Poisoning
  - Charcoal Haemoperfusion for poisoning
- Therapeutic Plasma Exchange
- Interventional Nephrology Service
  - Ultrasound Guided biopsy of native and graft kidneys
Insertion of Haemodialysis catheter (uncuffed)
- Insertion of cuffed subcutaneous tunnelled haemodialysis catheter for long term use
- Percutaneous insertion of Tenckhoff catheter for continuous ambulatory peritoneal dialysis, at the bedside

● Outpatient Clinics
  1. Renal Clinics:
     - Twice a week (Monday & Friday)
  2. Special Clinics:
     - Glomerular Diseases Clinic: Every Tuesday
     - Dialysis Clinic: Every Wednesday
     - Kidney Transplant Clinic: Every Thursday

● Inpatient Service
  - General ward beds - 16
  - Special Wards - 03
  - Kidney Transplantation isolation rooms - 03

Number of Nephrology OPD patients:
New: 2513
Follow up: 13273
Number of Patients admitted: 538

Number of Kidney Transplants:
Living Donor: 13
Deceased Donor: 16
Number of Hemodialysis Sessions: 5077
Number of SLED Sessions: 157

Number of Kidney biopsies:
Native Kidney: 221
Graft Kidney: 32

Number of CAPD catheter insertions: 23
Tunneled Haemodialysis catheter insertions: 05
Intermittent Peritoneal Dialysis: 11
Nephrology consultations: 2023
Therapeutic Plasma Exchange Sessions: 147
Charcoal haemoperfusion Sessions: 04
Laboratory services
Nil

Awards, Honours and Other Personal Achievements

Sreejith Parameswaran:
- TANKER award for ‘The best young researcher in Nephrology’ for the year 2014 was awarded to Dr Sreejith Parameswaran on 25th January 2015.
- Was awarded travel grant to attend the ‘World Congress of Nephrology 2015’ at Cape Town, by the International Society of Nephrology (ISN) in March 2015.
- Presented two posters at the World Congress of Nephrology 2015, at Cape Town
- Was invited as faculty and delivered lectures at:
  - CME on CAPD organized by Dept of Nephrology at Madras Medical College on 20th September 2014
  - CME on Kidney transplantation, Hotel Accord, Puducherry, lecture on ‘Steroid Sparing in Kidney Transplantation’ on 22nd May 2015
  - PD Scientia 2015 at Christian Medical College, Vellore, on 17th and 18th April 2015 and delivered a lecture on ‘PD at my center’.

Peer-reviewer for articles submitted for publication to the following journals:
- Indian Journal of Nephrology, published by the Indian Society of Nephrology
- Nephrology, published by Asia-Pacific Society of Nephrology
- British Medical Journal Open (BMJ Open) published by BMJ group
- Indian Journal of Medical Research published by ICMR
- Journal of Pharmacology & Pharmacotherapeutics, published by InPharm association
- Health Sciences, published by Kerala University of Health Sciences
- Indian Journal of Physiology & Pharmacology, The official journal of association of physiologists and pharmacologists of India.

Membership in Professional Societies:
- International Society of Nephrology
- American Society of Nephrology
- The Transplantation Society (TTS)
- Indian Society of Nephrology
- Indian Society of Nephrology – Southern chapter
- Indian Society of Renal and Transplantation Pathology
- Pondicherry Renal Sciences Society
Annual Report • 2014 - 15

- Indian Society of Peritoneal Dialysis
- Nephrology Association of Tamil Nadu and Puducherry

PS Priyamvada:

Memberships of professional societies
- Association of Physicians of India
- Nephrology association of Kerala
- Indian society of Nephrology – Southern Chapter
- Nephrology Association of Puducherry and Tamilnadu
- Peritoneal Dialysis Society of India

Peer-reviewer of journals
- Saudi journal of kidney disease and transplantation
- International journal of health & allied sciences

Conference sessions chaired
- Moderator for poster presentation at Annual conference Indian Society of Nephrology, 18-21/12/2014, Kolkata, India.

Administrative, Patient Care, Educational, Research and Other Assignments

Sreejith Parameswaran:
- Core team member, JIPMER Quality Council (Patient Safety initiative at JIPMER) and Member, Healthcare Worker Safety group, JIPMER Quality Council, JIPMER, Pondicherry
- Member, Drug Purchase & utilization Committee, JIPMER
- Member, Pharmacovigilance Advisory Committee, JIPMER
- Member, Signal Review Panel, Pharmacovigilance Program of India (PvPI), Indian Pharmacopoeia Commission, Ministry of Health & family welfare, Government of India
- Member, JIPMER Hospital Information Service (Electronic Medical Record) committee, JIPMER
- Member, PhD Doctoral Committee, Dept. of Pathology, JIPMER and Center for Biomedical Research, VIT University, Vellore, Tamil Nadu
- Member, Institute core committee for Kidney Transplantation, JIPMER
- Member, Kidney Transplantation team, JIPMER
- Member – Secretary, JIPMER Deceased Donor Kidney Transplantation Coordination Committee (JDDKTCC)
- Nodal Officer, JIPMER, for National Organ and Tissue Transplantation Organization (NOTTO)
- General Secretary, Pondicherry Renal Sciences Society
- Faculty responsible for formulating curriculum, course content and training program of the D.M. Nephrology course at JIPMER
- Faculty, DM/MCh orientation program, JIPMER

**PS Priyamvada:**
- Member, Hospital stores article purchase committee, JIPMER
- Member, Student counselling services, JIPMER
- Member, JIPMER Quality council
- Nodal officer; BSc Allied medical sciences- Dialysis technology
- Co-coordinator of nurses orientation program, Department of Nephrology

**Research projects**
- Guide for DM research projects -01
- Co-guide for DM/M Ch. Research projects-05
- Co-guide for MD research projects- 01
- Guide for under graduate research projects-01

**Significant Events in the Department**
- “Project Jeevan” in collaboration with Rotary Club of Pondy Beach Town and Rotary International – raised funds worth Rs 25 Lakhs and donated 4 hemodialysis machines to the dept of Nephrology on 25/06/2014
- Started Nephrology subspecialty clinics – Glomerular Diseases Clinic, Dialysis Clinic, Kidney Transplantation Clinic – July 2014
- Started a nurses’ training program for nurses working in the dept. of Nephrology, with the intention of improving their knowledge and attitude towards taking care of patients with kidney disease
- The international collaboration under ‘Sister Renal Center Program’ was upgraded to the next level (Level B) with improved funding, by the International Society of Nephrology.
- A new faculty – Dr Satish Haridasan – joined the dept. as Assistant Professor in March 2015.
Facility List

Professor & Head : Sunil K Narayan
Associate Professors : Pradeep P Nair
              : Vaibhav Wadwekar
Assistant Professor : Anusha D

Background Information of the Department

Neurology department which started functioning since 1986 was moved to Super Specialty Block in 2009. The department conducts General Neurology and Special Stroke and Epilepsy clinics. The department has an Intensive Care Unit and 20 general ward beds. It has state of the art equipments such as Video-EEG, Cerebrovascular Doppler, ENMG-EP, Tilt-table, Cognitive battery as well as basic wet lab facilities such as Microscope, Centrifuge and Deep freezer. In addition to these diagnostic facilities, the department has made a beginning to develop a Neurobionics facility with acquisition of a functional electrical stimulator and through collaborative programmes. The department currently offers DM Neurology and B.Sc. Neurotechnology courses. Cerebrovascular Interventional, Epilepsy surgery, Neurobionics and Neurorehabilitatory programmes are in pipeline along with fellowship and research courses.

In 2007-8, Dr. Sunil Narayan underwent training in the Stroke Clinical Research Facility in the Royal infirmary and in 2008-9 in Neurogenetics at the International Centre for Life, University of Newcastle-upon-Tyne, UK through a commonwealth scholarship program and started a stroke unit and registry as well as a modest neurobiology facility back in the department. In 2014, Dr. Pradeep P Nair underwent an epilepsy fellowship program in SCTIMST, Thiruvananthapuram and started an epilepsy unit in the department.

Educational Courses

Undergraduate courses:

B.Sc. Neurotechnology: course started in 2011 with an intake of 4 students per year. We are the first in the country to start Neurotechnology as a comprehensive 3-year B.Sc. course.

B.Sc. Nursing: Department takes part in the Neurology training of students through didactic lectures in Neuroscience topics.

MBBS: Our faculty takes didactic lecture classes in neurology to final year MBBS students on topics such as stroke, epilepsy and parkinsonism and conduct yearly the Dr. Nanda Memorial Gold Medal Examination in Neurology for MBBS students.

Postgraduate courses

MD postgraduate students of JIPMER in Internal Medicine, Psychiatry, Ophthalmology, Clinical immunology and Clinical pharmacology undergo clinical rotations in Neurology.

Faculty in Neurology guide/co-guide MD thesis of postgraduates in neurologically relevant topics for MD Medicine, Psychiatry, Physiology, Pharmacology currently.
We conduct Dr. Chandrasekhar Gold Medal Examinations for MD Medicine, Pediatrics, Anesthesia and Psychiatry students.

**Higher Specialty courses**

DM Neurology: 2+1 seats in a year

**Other courses**

- Department co-guides PhD. student in Microbiology and Pharmacology.
- A batch of 12 postgraduate students in Engineering Designs from IITM, Chennai underwent a one day training program at the Neurotechnology laboratories.
- Two Neurophysiotherapy postgraduate students from Mother Theresa Institute of Paramedical Sciences, Pondicherry underwent training in Neurology.
- One batch of final year B.Sc. nursing students was given didactic lectures and underwent rotations in Neurology.
- Two Students of Medical Records training course received didactic lectures and underwent training in Neurology topics.
- Two international medical students, one from Paris and another from Rumania underwent elective Neurology training in the Department.

**Visiting faculty**

- The JIPMER Scientific Society external oration 2015 was delivered by Prof. Kameswar Prasad, Professor and Head, Department of Neurology, AIIMS, New Delhi, on 20 Feb. 2015.
- Dr. Ashokan Thondiyath, Prof. of Robotics, Dept. of Engineering Designs, IIT, Chennai visited and delivered lecture for the BSc Neurotechnology students.

**Conferences and CME Attended by Faculty:**

**Dr. Sunil K Narayan:**

- Attended Stroke genetics “DST-UK Seminar” at AIIMS, New Delhi on 28 Mar. 2015.
- Chaired a session on Stroke interventions at the “Stroke Interventions Symposium & TCD and stroke interventions” workshop, at SCTIMST Trivandrum on 26 & 27 Feb. 2015.
- Participated as a delegate at the “72nd National course” on Educational Science for Health Professionals at JIPMER from 16 - 21 Feb. 2015.
- Attended NAMASTE India– Selection Cum Consortium Committee Members Meeting at Bangalore on 12 & 13 Feb. 2015.
- Chaired a session in “NUCLIIUM 2015” at Gurgaon from 16 - 18 Jan. 2015.
- Attended “Community Neurology Meeting” at Chennai on “Brain Aging” on 5 Dec. 2014.
- Attended “Meeting of the NDAC (Neurology & Psychiatry) at FDA Bhawan, New Delhi on 24 Nov. 2014.
- Attended “IANCON 2014” at PGIMER, Chandigarh from 8 - 9 Nov. 2014 and chaired the Best Paper awards session in Neurology and Epilepsy.
Attended “UKIERI – IIT Mumbai Workshop” on fMRI-EEG at Mumbai from 10 to 12 Oct.2014

Chaired a session on Stroke in NeuCon 2014 – From Controversies to Consensus” at Hyderabad from 16 to 17 Aug.2014.


Attended as a delegate in “Neuropsychological Rehabilitation – A Multidisciplinary Clinical Skill Workshop” at Chennai from 29 - 31 Aug.2014.

Papers Presented:

As an invited faculty gave a talk on “Modern Techniques in Neurorehabilitation” in the CME programme in the World Rehabilitation day programme held at JIPMER on 15 Feb. 2015

As an invited faculty gave a talk on “How do I treat Multiple Sclerosis- First Level Disease Modifying Therapy in Multiple Sclerosis” at ICTRIMS 2015 at Chennai on 14 & 15 Feb.2015.

Gave the lead talk on “Frontiers in Neurophysiology” at ASSOPICON held at JIPMER from 15 – 19 Dec.2014.

Attended “9th World Stroke Congress” (WSC 2014) at Istanbul, Turkey from 22 – 25 Oct.2014 and presented a scientific paper on: Outcome at discharge after thrombolysis does not differ between cardiogenic and non-cardiogenic strokes.

As an invited faculty delivered a lecture on “Neural stimulation technique in neuro therapeutics” at TANCON 2014 held at Yercaud 12-14 September 2014.

Dr. Pradeep P Nair:


Attended EEG and video EEG work shop at Sree Chitra Tirunal Institute for Medical Sciences and Technology on December 27 & 28, 2014.


Dr. Vaibhav Wadwekar

Attended International workshop on “Nerve muscle disorders” at New Delhi from 19-23 Feb.2015.

Gave a talk on the CME on Epilepsy at IGGGH &PGI, Puducherry on 8th Oct.2014.

Gave a talk on “PG update” held at JIPMER, Puducherry from 12-13 Sep.2014.

Attended as a delegate in “Nervecon 2014” at Hyderabad from 1 - 4 Aug.2014.

Dr. Anusha .D

Presented a paper on “AN INTERESTING PERI-OPERATIVE NEUROLOGICAL COMPLICATION FOLLOWING CAESAREAN SECTION- A CASE REPORT” in IANCON 2014 at PGIMER, Chandigarh from 6th Nov.2014 to 9th Nov.2014.


Senior Residents:

Dr. Sibi Thirunavakkarasu

Presented E-Poster in NSICON 2014, Coimbatore, “Vasoreconstructive procedures in Ischemic stroke - Early results from a stroke revascularisation registry”. Authors: Sibi Thirunavukkarasu, Roopesh Kumar VR, Sunil K Narayan

Attended “9th World Stroke Congress” (WSC 2014) at Istanbul, Turkey from 22 – 25 Oct.2014 and presented a scientific paper: “Three Fourthys of south Indian Tamilian non-cardiogenic, undetermined anterior circulation ischemic strokes have no ipsilateral carotid artery disease”.

Attended TANCON 2014 at Yercaud from 12 Sep.2014 to 14 Sep.2014 and presented a paper “Prevalence of Carotid artery disease in Tamilian ischemic stroke patients in a hospital based registry” (Best Paper Award).


**Dr. RajeswariAghoram**

Attended INSC 2015 at PGI, Chandigargh from 13 – 15th Mar.2015 and presented a paper “Effect of Yogic techniques on Vasomotor reactivity as measured by TCD in patients with recent Ischemic stroke”.

Attended NSICON 2014 at Coimbatore from 12 – 15 Dec.2014 and presented a paper “Relationship between clinical stroke classification (OCSP) and Transcranial Doppler imaging”.

Attended TANCON 2014 at Yercaud from 12 Sep.2014 to 14 Sep.2014 and presented a paper “Effect of Yogic techniques on Vasomotor reactivity as measured by TCD in patients with recent Ischemic stroke”.

**Dr. KiranPatil**


**Research Projects**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Principal investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency</th>
<th>Collaborating Institutions / Departments</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Sunil Narayan</td>
<td>Randomized double blind placebo controlled trial of Sodium Ozagrel and Edaravone in acute ischemic stroke (EDOZ) (CTRI REF/2012/03/003334)</td>
<td>Three years minimum</td>
<td>Partial funding from Industry in the form of supply of active drugs; Further funding application process.</td>
<td>Clinical Pharmacology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Project Title</td>
<td>Duration</td>
<td>Funding</td>
<td>Department</td>
<td>Status</td>
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<tr>
<td>2</td>
<td>Dr. Sunil Narayan</td>
<td>An assessment of the electrophysiologic and metabolic effects of surgical detethering of the spinal cord in patients with tethered cord syndrome – a prospective pilot study</td>
<td>2 yrs.</td>
<td>Nil</td>
<td>Neurosurgery, Biochemistry</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Sunil Narayan</td>
<td>Transcranial Doppler flow velocity measurements in cerebral vasculature: Reference values at rest and after breath holding in healthy volunteers</td>
<td>Golden Jubilee Research</td>
<td>Nil</td>
<td>Nil</td>
<td>In-progress</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Sunil Narayan</td>
<td>Assessment of biomarkers in stroke and their correlation with type and severity of disease: A preliminary hospital based case-control study</td>
<td>Three years</td>
<td>Intramural and extramural</td>
<td>Biochemistry</td>
<td>Completed</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Sunil Narayan</td>
<td>The effect of Yogic relaxation technique (Pranava Yoga) on cerebro vascular reactivity in ischemic stroke patients – a randomized control trial</td>
<td>2 yrs.</td>
<td>Nil</td>
<td>Acyter</td>
<td>Completed</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Sunil Narayan</td>
<td>Frequency of carotid artery disease and its determinants in ischemic stroke patients – a hospital based cross sectional study</td>
<td>2 yrs.</td>
<td>Nil</td>
<td>None</td>
<td>Completed</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Sunil Narayan</td>
<td>Retinal vascular changes in Ischemic Stroke – a case control study</td>
<td>2 yrs.</td>
<td>Nil</td>
<td>Ophthalmology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>No.</td>
<td>Investigator(s)</td>
<td>Title</td>
<td>Duration</td>
<td>Status</td>
<td>Institute</td>
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</tr>
<tr>
<td>8</td>
<td>Dr. Sunil Narayan</td>
<td>Autonomic dysfunction in patients with ischemic stroke</td>
<td>2 yrs.</td>
<td>Nil</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Sunil Narayan &amp; Dr. Vaibhav Wadwekar</td>
<td>Adherence pattern to anti-epileptic regimen and its determinants among patients attending Neurology OPD</td>
<td>2 years</td>
<td>Nil</td>
<td>College of Nursing</td>
<td>Completed</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Pradeep Pankajakshan Nair</td>
<td>Semiologic classification of Psychogenic Non Epileptic Seizures (PNES) based on video EEG analysis</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Completed, Published</td>
</tr>
<tr>
<td>11</td>
<td>Dr. Pradeep Pankajakshan Nair</td>
<td>Adaptation and validation of a semantically, trans culturally and operationally equivalent Tamil version of the Dissociative Experiences Scale II (DESII) in patients with Psychogenic Non Epileptic Seizure patients (PNES)</td>
<td>2012-2014</td>
<td>None</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>12</td>
<td>Dr. Pradeep Pankajakshan Nair</td>
<td>A comparison of efficacy of local corticosteroid injection into carpal tunnel: Distal vs Proximal approaches in patients with carpal tunnel syndrome</td>
<td>3 years from Jan 2012</td>
<td>None</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>13</td>
<td>Dr. Pradeep Pankajakshan Nair</td>
<td>A study to evaluate novel induction –de induction technique in patients with suspected Psychogenic Non Epileptic Seizure (PNES)</td>
<td>3 years from 2012</td>
<td>None</td>
<td>None</td>
<td>Ongoing</td>
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<tr>
<td>No.</td>
<td>Name</td>
<td>Title</td>
<td>Duration</td>
<td>Funding</td>
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</tr>
<tr>
<td>14</td>
<td>Dr. Vaibhav Wadwekar</td>
<td>Prevalence of Restless Legs Syndrome in Patients of Chronic Liver Disease</td>
<td>3 yrs.</td>
<td>Self-funded</td>
<td>none</td>
<td>Ongoing</td>
</tr>
<tr>
<td>15</td>
<td>Dr. Vaibhav Wadwekar</td>
<td>Prevalence of Restless Legs Syndrome in patients of Chronic Kidney Disease</td>
<td>3 yrs.</td>
<td>Self-funded</td>
<td>none</td>
<td>Ongoing – Ethics clearance obtained</td>
</tr>
<tr>
<td>16</td>
<td>Dr. Vaibhav Wadwekar</td>
<td>Translation and validation of International Restless Leg Syndrome Study Group Rating Scale and Restless Legs Syndrome Quality of Life Questionnaire in Tamil language.</td>
<td>3 yrs.</td>
<td>Self-funded</td>
<td>none</td>
<td>Ongoing – At step of back translation</td>
</tr>
</tbody>
</table>

**Publications**

**Journals**


- The ENOS Trial Investigators. Efficacy Of Nitric Oxide, with or without continuing antihypertensive treatment, for management of high blood pressure in acute stroke (ENOS): A Partial-Factorial Randomised Controlled Trial. Lancet. 2015 Feb 14;385(9968):617-28


**Patient Care services**

**Clinical**

**Outpatient Care:**

Stroke Clinic: The Thursday stroke clinic has grown further in the last one year. The stroke and TIA clinic led by a trained stroke neurologist augmented its follow-up services by the services rendered by a data operator, a neurobiology technician, a full-time medical social worker, speech therapist and neurophysiotherapy trainees and social science trainees. This is one-stop state of the art facility for investigations and management of transient ischemic strokes and completed strokes. The clinic
provides TCD and carotid and vertebral colour duplex studies and gives direct access to CT, MRI, DSA, SPECT and biological studies for all patients with indications. The clinic sees up to 35-50 new and about 100-125 follow-up patients a week. The medical social worker arranges for disability certificates and through RAN scheme provides for stroke thrombolysis and botox therapy for spasticity.

**Faculty in charge: Dr. Sunil K. Narayan and Dr. Anusha D**

Epilepsy Clinic: In its second year, the Monday epilepsy clinic has grown with a goal to provide focused care and to sort out the medically intractable group. With an average over 250 epilepsy cases per week, this clinic provides best of medical care to epilepsy patients.

**Faculty in charge: Dr. Pradeep Nair and Dr. Vaibhav Wadwekar**

Demyelinating/Degenerative diseases/Neurogenetics clinic: This new clinic started functioning on Tuesdays from this year. Multiple sclerosis, Motor neuron disease and Neurometabolic disease cohort registries have been started under this clinic. This clinic is assisted by the medical social worker and neurobiology teams.

**Faculty in Charge: Dr. Sunil Narayan & Dr. Anusha D**

General Neurology Clinics: Department runs general neurology clinics on Wednesdays and Tuesdays. With an average of 300-400 per/week, Neurology has one of the busiest OPDs of JIPMER with tertiary level care and offer of free drugs for all common conditions and attract patients in and around the Union Territory and from far and wide in Tamil Nadu and many parts of Kerala, Andhra Pradesh and Orissa. This clinic too receives the support of a medical social worker.

**Inpatient care:**

Department has a 6-bedded acute stroke/neurointensive care unit with laptop based digital EEG, ENMG, TCD, 6 ventilators, a 16 bedded intermediary care ward and 4-special ward beds considerably augmenting its patient care services. High impact facilities such as plasma exchange, IV methyl prednisolone and IV Immunoglobulin therapy for acute neuroimmunological diseases; antibiotic, antifungal and antiviral therapy for CNS infections; IVtPA thrombolysis therapy and opportunities for participation in neuroprotective trials for acute ischemic strokes with prompt laboratory supports including neuroimaging, neurochemistry and neurophysiologic studies and access to internet in all wards makes our service efficient, effective and highly affordable for poor patients.

**B. Laboratory:**

**New Equipments:**

- Department acquired a 24-hr ambulatory BP monitor system in its Stroke and Neurobionics laboratory through a corporate donation.
- Department completed installation of autonomous system laboratory in its stroke and neurobionics laboratory.

**Other equipments and Investigatory facilities:**

- Department has three Video EEG, three ENMG and Evoked Potential machines, one TCD, one Carotid colour duplex scanner, one computerized cognitive battery, one functional electrical stimulator and one tilt table test facility
- These facilities support a patient care, DM Neurology and Neurotechnology course in collaboration with our biomedical engineering department, JIPMER and IITM, Chennai.
C. Community Work:

- Department took part in a public awareness programme on “Stroke care in community and special community homes” in connection with the World Stroke Day observation on 30.11.12 in collaboration with the World Diabetes Foundation project of JIPMER.

- Department of Neurology with Neurosurgery conducted 6 medical camps in Karaikal at the JIPMER outreach centre. This is attended by around 50-75 patients on average.

Awards, honours and other personal achievements

Dr. Sunil K Narayan

- Delivered the distinguished Travancore Maharaja-Curzon endowment lecture on Homocysteine, MTHFR and Brain at PGIABMS, Chennai on 4th March 2015.

- Successfully completed PhD in the interdisciplinary disciplines of Pharmacology and Neurology through a split-site doctoral scholarship of the UGC-CFSP programme.

- Selected as convener, Stroke subsection, Indian Academy of Neurology

- Elected as an executive member of the Indian Stroke Association

- Selected as nodal person and co-ordinator for the NAMASTE India programme of the Erasmus Mundus scholarships fellowships scheme of the European Union.

- Selected as the President of the JIPMER Scientific Society.

Dr. Pradeep Pankajakshan Nair

- Completed one year Fellowship in comprehensive epilepsy care at SCTIMST, Trivandrum from Jan 2014 to Dec 2014.

- Life member - Indian Academy of Neurology

- Life member – Indian Epilepsy Society

- Best paper award at IANCON 2014 at PGI Chandigarh for “ Is wasted hippocampal syndrome a distinct variant of MTLE- HS”.

Dr. Sunil K. Narayan

- Selected as member of the reconstituted Subject Expert Committee (SEC-2015), member for Neuropsychiatry by the Drug Control General of India.

- Kerala State Council for Science, Technology and Environment- expert for evaluation of research project proposals for grants.

- Special invitee member of the superspeciality PG research committee overseeing the scientific advisory committee for DM and M.Ch. PG dissertations.

- JIPMER scientific society –President

- Institute Brain-death certification committee- Ombudsman

- PhD examiner for Dr. MGR university, Tamil Nadu
DM Neurology examiner for Dr.MGR, Dr.NTR universities, Manipal Academy of Higher Education (MAHE) and for Kerala University of Health Sciences (KUHS) and Nizam’s Institute of Medical Sciences (NIMS), Hyderabad


Visiting Professor at IITM, Chennai was extended for a period of three more years.

**Dr. Pradeep Pankajakshan Nair**

- Member of committee for the preparation of the Emergency Medical List
- Member of Brain death Certification Committee.
- Member of PAC/RRC committee.
- Member of IVIg committee.

**Dr.Vaibhav Wadwekar**

- Coordinator of B.Sc. Neuro-technology Course.
- Member of JIPMER Quality Council for prevention against fall among patients Group.
- Member of JIPMER Quality Council for Medication Safety Group.
- Member of JIPMER Quality Council for SOP / Checklists and Communication Group.
- Member of Committee for the preparation of the Emergency Medical List.
- Member of Brain-death Certification Committee.

**Significant Events in the Department**

- Dr. Anusha .D joined as Assistant Professor of Neurology (contract).
- Dr. Vaibhav Wadwekar was promoted as Associate Professor of Neurology from 1st July 2014.
- Department of Neurology organised a Multiple Sclerosis society of India, Puducherry Chapter meeting in 15th July 2014.
DEPARTMENT OF NEUROSURGERY

Faculty List:

Associate Professor : Gopalakrishnan M S
 : Venkatesh S Madhugiri

Assistant Professor : Ramesh A S
 : Sathia Prabhu. A

Formerly Additional Professor and Head : Roopesh Kumar VR
(Resigned and was relieved in January 2015)

Background information

The inception of Neurosurgery services in JIPMER was in July 2006 when Dr. Roopesh Kumar and Dr. Gopalakrishnan joined as assistant professors. The neurosurgery team initially functioned under the administrative control of the department of General Surgery till 2008, when it was accorded the status of a full-fledged department. Dr. Hari and Dr. Shankar Ganesh subsequently joined as senior residents. Dr. Shankar Ganesh was appointed assistant professor in 2009 and in 2010 Dr. Venkatesh joined as assistant professor, bringing the faculty strength up to four. Dr. Shankar Ganesh resigned and was relieved of his responsibilities in 2012. Dr. Ramesh A.S and Dr. Sathia Prabhu. A joined the department as assistant professors in 2013. The department functioned as 2 units until January 2015:

NS1 - Dr. Roopesh Kumar V.R , Dr. Ramesh A.S and Dr. Sathia Prabhu. A

NS2 - Dr. Gopalakrishnan MS and Dr. Venkatesh S Madhugiri

With the resignation of Dr. Roopesh, the department has reverted to functioning as a unitary administrative entity.

Educational courses

1. Undergraduate courses – MBBS. A clinical neuroanatomy module was commenced in 2014 for the 2nd semester students with the collaboration of the department of anatomy.

2. Postgraduate courses - Training in the management of traumatic brain injury and spine injuries as well as exposure to elective neurosurgical procedures is part of the neurosurgery training imparted to MS General Surgery and MS ENT residents, both intra-mural and from other institutes.

3. Higher specialty courses – The MCh neurosurgery course commenced in 2010. The current intake is two candidates per year.

4. PhD courses – faculty are involved as co-guides in the research of scholars of the PhD course in Pathology.

5. Other courses - The department conducts didactic teaching sessions for BSc nursing students in the form of lectures and modular teaching. Besides this, training is also imparted to students of the Emergency Medicine Technology and BSc. Operation Theatre Technology courses.
Conferences and CMEs organized by the department

1. Annual conference of the Skull Base Surgery Society of India, 9-12 October, 2014
2. Hands on cadaver workshop on cervical instrumentation in January 2015
3. Organized a CME programme on Head Injury on the occasion of Head Injury Awareness day on 22 March, 2015.
4. Interventions in stroke- CME in June 2014
5. Organized various monthly meetings on behalf of Pondicherry Neuroscientists association.

Conferences/CMEs attended by faculty

Dr. Roopesh kumar, Ex-Additional Professor & Head of Neurosurgery

Attended:

1. Annual Conference of neurotrauma society of India, Mussoorie, August 2014
2. Annual Conference of cerebrovascular society of India, Nimhans, Bangalore, September 2014
3. Annual Conference of Skull base society of India, JIPMER, Pondicherry, October 2014
4. Annual conference of Neurological society of India, Coimbatore, December 2014

Talks delivered:

1. Congenital anomalies of Central Nervous system- CME on Genodynamics of Neuro developmental disorders, Indira Gandhi Medical College, Pondicherry, 8 March 2014
3. Carotid end arterectomy in preventing stroke- CME on Stroke interventions, JIPMER, 29 June 2014
5. Cervical Spondylosis- facts for physiotherapists- World Physiotherapists day, Mother Theresa College, Pondicherry, 8 September, 2014
6. Compressive lesions of visual pathways- AIOS PG refresher course, JIPMER September, 2014
7. Posterior fossa vascular malformations- video presentation, Neurovascon, NIMHANS, Bangalore, 7 September 2014
8. Neurological disorders and stress management- Kanchi Mamunivar center for Post graduate studies, Pondicherry, 14 October 2014
9. Chairperson for endovascular session, Rain, SRMC, 15 November 2014

15. Spontaneous thrombosis of cerebral arterio venous malformation, Neurovascon 2014, NIMHANS, Bangalore, 6 September 2014

**Television interview:**
- 01/03/14 - Right channel – Hello Doctor programme interacting with audience
- 27/03/2014 - Head injury awareness programme in All India Radio
- 04/06/14 - Live interactive programme with Audience – Podhigai channel
- 20/06/14 - Live interactive programme with Audience – Right channel

**Dr. Gopalakrishnan MS, Associate Professor of Neurosurgery,**

**Attended**
1. The Ginde Oration and Endoskull base workshop in Bombay Hospital, Mumbai in April 2015
2. Attended a short course on fundamentals of biostatistics, principles of epidemiology and SPSS in August 2014, at Christian Medical College, Vellore
3. Attended a short course on Multiple linear regression, logistic regression and survival analysis in November 2014 at Christian Medical College, Vellore

**Talks delivered**
1. Delivered a talk on assessment of patients with head injury in a CME on head injuries at JIPMER in March 2015
2. Presented a paper on the use of a nerve stimulator electrode for dissection at the Asia Oceania International Skull Base Society at Mumbai in January 2015
3. Presented a paper at a workshop on clinical trials in September 2014 held in collaboration with University of North Carolina at the Christian Medical College, Vellore

**Attended**
1. The Ginde Oration and Endoskull base workshop in Bombay Hospital, Mumbai in April 2015
2. The Annual Conference of the Indian Society of Neuro-oncology in April 2015, held at Kochi, India

**Talks delivered**
2. Moderated a live operative surgery session on Microlumbar discectomy at Saveetha Medical College, Chennai in April 2015
3. A talk on Brain Death in a CME on Head Injuries at JIPMER in March 2015
Dr. Ramesh A. S, Assistant Professor of Neurosurgery,

Attended

1. MSR Spine Symposium about Degenerative Lumbar Spine and Minimal Access Spine Surgery and Cadaver Workshop on MIS-TLIF, May 2014 conducted by M S Ramaiah Institute of Neurosciences, Bangalore
2. SPINE(NSSA) 2014- The Annual Conference of Neuro spinal Surgeons’ Association of India, Ahmedabad in September 2014
3. MNA-2015- 4th Meet of Madurai Neurosurgical Academy, Chennai from 27-28th Feb and 1st March, 2015

Talks delivered

1. Invited Speaker in MNA-2015 and gave a talk on Endoscopic Pituitary Surgery: Binostril technique is the Best
2. Invited Speaker in All India Radio (AIR) Puducherry and talked about “Prevention, Diagnosis and Management of Neck Pain and Degenerative Cervical Disc Disease” in Health Programme “Nalamai Vazha” on 24 March, 2015
3. A talk on “Surgical management of Head Injuries” in a CME on Head Injuries at JIPMER in March 2015

Dr. Sathia Prabhu. A, Assistant Professor of Neurosurgery,

Attended

1. Annual conference of the Neurological Society of India at Coimbatore in December 2014
2. Neurotrauma conference, in Mussoorie August 2014

Talks delivered

Delivered a talk on Stroke Interventions in a CME on Stroke organized in JIPMER in June 2014

Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanc-tioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
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<tbody>
<tr>
<td>1</td>
<td>Venkatesh S Madhugiri</td>
<td>Effect of surgical detethering on CSF and electrophysiologic parameters in tethered cord syndrome</td>
<td>3 years</td>
<td>Intra-mural, Rs. 120000</td>
<td>Neurology, Biochemistry</td>
<td>Ongoing</td>
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<tr>
<td></td>
<td>Name</td>
<td>Project Description</td>
<td>Duration</td>
<td>Department</td>
<td>IEC Status</td>
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<td>2</td>
<td>A S Ramesh</td>
<td>Extent of resection of Pituitary macroadenomas by Endoscopic Endonasal Trans - Sphenoidal surgery and factors influencing it</td>
<td>3 years</td>
<td>ENT</td>
<td>IEC clearance awaited</td>
<td></td>
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<tr>
<td>3</td>
<td>Gopalakrishnan M S</td>
<td>Randomised controlled trial of the efficacy of ampicillin versus ceftriaxone for prevention of meningitis in traumatic pneumocephalus</td>
<td>3 years</td>
<td>None</td>
<td>None</td>
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<td></td>
<td>Ongoing</td>
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<td>4</td>
<td>Gopalakrishnan M S</td>
<td>Quantitative bacteriological profile of hospital attire: Are white lab coats a bacteriological hazard?</td>
<td>1 month</td>
<td>None</td>
<td>Microbiology</td>
<td>Completed</td>
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<tr>
<td>5</td>
<td>Gopalakrishnan M S</td>
<td>Continuous Magnetic resonance imaging for neurosurgical patients: a feasibility study.</td>
<td>1 year</td>
<td>None</td>
<td>Radiology</td>
<td>IEC cleared but not recruiting yet</td>
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<tr>
<td>6</td>
<td>Gopalakrishnan M S</td>
<td>Efficacy absorbable gelatin sponge dressing compared to any traditional form of dressing for neurosurgical patients- a randomised controlled trial.</td>
<td>2 years</td>
<td>None</td>
<td>IEC cleared but not recruiting yet</td>
<td></td>
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<tr>
<td>7</td>
<td>Gopalakrishnan M S</td>
<td>Predictive power of Index finger tapping speed on an I-phone application for return to work in mild head trauma patients</td>
<td>2 years</td>
<td>None</td>
<td>IEC cleared but not recruiting yet</td>
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<tr>
<td>No.</td>
<td>Name &amp; Code</td>
<td>Title</td>
<td>Duration</td>
<td>Funding</td>
<td>Department</td>
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<tr>
<td>8</td>
<td>Gopalakrishnan M S</td>
<td>A study of progression of traumatic intra-parenchymal hemorrhage over time in patients with traumatic brain injury</td>
<td>3 years</td>
<td>None</td>
<td>Radiology</td>
<td>Ongoing</td>
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<tr>
<td>9</td>
<td>Gopalakrishnan M S</td>
<td>Post craniotomy bone flap infection requiring re-exploration and removal of bone flap: a descriptive study</td>
<td>6 months</td>
<td>None</td>
<td>None</td>
<td>Completed</td>
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<tr>
<td>10</td>
<td>Gopalakrishnan M S</td>
<td>Utility of bleed to brain ratio in CT scans of head trauma patients for predicting the need for operation and patient outcome</td>
<td>1 Year</td>
<td>None</td>
<td>Radiology</td>
<td>Completed</td>
</tr>
<tr>
<td>11</td>
<td>Venkatesh S Madhugiri</td>
<td>An assessment of the derived neutrophil-lymphocyte ratio (NLR) in neuraxial tumors – a comparative clinical study</td>
<td>6 months</td>
<td>-</td>
<td>Pathology</td>
<td>Completed</td>
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<tr>
<td>12</td>
<td>Venkatesh S Madhugiri</td>
<td>Effect of classical music and white noise on selective attention in healthy volunteers as measured by the Stroop test – a randomized crossover study</td>
<td>3 months</td>
<td>-</td>
<td>-</td>
<td>IEC cleared but not recruiting yet</td>
</tr>
<tr>
<td>13</td>
<td>Venkatesh S Madhugiri</td>
<td>An assessment of the finger flexion and Hoffman’s reflexes as markers of cervical myelopathy</td>
<td>6 months</td>
<td>-</td>
<td>Radiology</td>
<td>Completed</td>
</tr>
</tbody>
</table>
Publications

Dr. Roopesh Kumar. V. R

1. Tuberculoma of the cavernous sinus and Meckel’s cave in a child. V R Roopesh Kumar, Venkatesh S Madhugiri, Surendra Kumar Verma, S Deepak Barathi, Awdhesh Kumar Yadav, Prasanna Bidkar. Pediatric Neurosurgery. DOI: 10.1159/000369030 [Epub ahead of print].


Dr. Gopalakrishnan MS


Dr. Venkatesh S Madhugiri

1. Publication performance and research output of neurology and neurosurgery training institutes in India – a 5 year analysis. Venkatesh S Madhugiri. Neurology India. (accepted for publication)


Dr. Ramesh A. S


Dr. Sathia Prabhu


Patient care services

- Advanced cadaver lab facility has been established.
- A 6 bedded neuro-trauma ICU has been established
- Cerebral revascularisation procedures for stroke by performing EC-IC bypass for complete internal carotid occlusion- A complex vascular procedure performed in a select few centers in the country.
- Endoscopic neurosurgery program has been established with a multi-disciplinary team in collaboration with the ENT department.
- Linac based cranial radiosurgery program was started in JIPMER in cooperation with Radiation Oncology

Awards, Honours and Other personal achievements

The department was declared the Best Centre for Neuro-trauma in India for the year 2014 by the Neuro-trauma Society of India.
Dr. Roopesh kumar:

1. Recipient of Maruthuva sevai mamani virudhu by NSS wing of Pondicherry on Doctors day celebration held at St.Patrick’s school on 1 July, 2014

2. Recipient of Arimathi Thennaganar award 2014 by youth peace center on 25 October 2014 in recognition and sincere appreciation of outstanding services rendered in the medical field for the poor people

Administrative, patient care, educational research and other assignments

Dr. Roopesh Kumar. V. R has been Member of the

- Secretary of Pondicherry Association of Neuroscientists
- Executive member of skull base society of India
- Vice-President of JIPMER scientific society
- Member of Equipment requirement and review committee
- Member of Hospital utilities and drug purchase committee
- Member of Telemedicine committee
- Member of Brain death committee
- Member of PhD monitoring committee
- External examiner for MCh examination for Sri Chitra institute of Medical sciences, Trivandrum
- External expert to inspect private medical colleges in Pondicherry by Pondicherry university for starting MCh course in Neurosurgery
- External expert in Committee formed by Ministry of Health to oversee equipment purchase for up gradation project of Madurai Medical College & Govt Rajaji Hospital
- Expert examiner for setting questions for various MCh entrance examinations
- Reviewer of various peer reviewed national and international journals-British medical journal, Global spine journal, Indian journal of neurosurgery, Narayana medical journal etc

Dr. Venkatesh S Madhugiri has been Member of the

Committee for brain death certification for organ retrieval for transplantation

Dr. Gopalakrishnan M S

- Streamlined purchase and inventory management within the department by making it online and accessible to all stakeholders, bringing in transparency and efficiency.
- Helped start the cranial radiosurgery program in cooperation with Radiation Oncology

Dr. A S Ramesh

- Department Coordinator for Tamil Nadu - Chief Minister’s Comprehensive Health Insurance Scheme
- Department Coordinator for Emergency Medical Technician Course, JIPMER 2014-15
- Interim Secretary of Pondicherry Association of Neuroscientists
**Significant events in the department**

- A 6 bedded neuro-trauma ICU was established in February 2014
- The department was declared the Best Centre for Neuro-trauma in India for the year 2014 by the Neuro-trauma Society of India.
- Neurocadaver lab was established in September 2014
- Dr. Roopesh Kumar V R resigned and was relieved of his charge in January 2015.
DEPARTMENT OF NUCLEAR MEDICINE

Faculty List:

Additional Professor : Nandini Pandit
Associate Professor : Dhanapathi Halanaik
Assistant Professor : Madhusudhanan Ponnusamy

Background Information of the Department

The department is functional from March 2010 with the state of art SPECT CT dual head Gamma camera and caters both nuclear diagnostic and radionuclide therapy services. Radionuclide therapy for hyperthyroidism and low dose therapy for differentiated thyroid carcinoma patients, bone pain palliation with samarium-153 and radiation synovectomy. Thyroid uptake probe for the evaluation of thyroid patients has been installed in March 2014. Department has started in vitro procedure of estimating GFR in paediatric and adult patients.

Patients are referred from the broad and super specialty departments of JIPMER and the hospitals in Puducherry and the surrounding districts of Tamil Nadu. Department is also running BSc Nuclear Medicine Technology—a 3 years undergraduate course from the 2012-2013 academic year.

In 2013-2014 academic session 2 seats for MD in Nuclear Medicine had been approved by the Academic Committee and has increased to 3 seats from January 2015.

Educational Courses

Undergraduate Courses : BSc. Nuclear Medicine Technology (NMT)
Post Graduate Courses : MD Nuclear Medicine

Conferences and CMEs Organized by the Department:
None

Conferences and CMEs attended by Faculty:

Dr. Nandini Pandit

1. Attended the 2nd orientation Workshop on Epidemiology on 26th-27th June 2014 in JIPMER, Puducherry.

7. Convener for panel discussion team on topic “consensus on renal scintigraphy” at 46th SNMIOCN 2014 at Kolkata from 11th to 14th Dec 2014.


**Dr. Dhanapathi Halanaik**

1. Attended 20th annual southern chapter conference from 15th to 17th Aug 2014, at Kidwai memorial institute of oncology, Bangalore.


3. Attended the 70th National Course on Educational Science for Teachers of Health Professionals scheduled to be held from 28.08.2014 to 06.09.2014 in the Department of Medical Education, JIPMER.

4. Attended workshop on “Radiation Safety in the practice of Nuclear medicine, radiopharmacy & radionuclide therapy and disaster management” at INMAS, Delhi on 19th & 20th September 2014.


6. Attended “Asia Oceana Thyroid congress 2014” from 26th - 28th Sept 2014 conducted by department of endocrinology, AIMS, Kochi.

7. Part of the panel discussion team on topic “consensus on renal scintigraphy” at 46th SNMIOCN 2014 at Kolkata from 11th to 14th Dec 2014.


**Dr. Madhusudhanan Ponusamy**

1. Orientation Workshop on Epidemiology on 29th and 30th May 2014 in JIPMER, Puducherry.


6. Made oral presentation at the 46th Annual Conference of the Society of Nuclear Medicine, India (SNMICON 2014) at Kolkata, India on 13.12.2014.


9. 72nd NTTC course from 16.02.2015 to 21.02.2015 in JIPMER, Puducherry.
### Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
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<tbody>
<tr>
<td>1</td>
<td>Nandini Pandit</td>
<td>Standardisation of Gastric Emptying Time for Normal South Indian Population</td>
<td>2013-2015</td>
<td>-</td>
<td>-</td>
<td>Ongoing</td>
</tr>
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</table>
| 2       | Dhanapathi Halanaik               | 1. Additional Value of Hybrid SPECT/CT in the evaluation of indeterminate lesions detected on bone scan in pts with known H/O primary malignancy  
2. Diagnostic use of HYNIC-TOC scintigraphy in evaluating neuro-endocrine patients. | 2013-2016 | -                                        | -                                        | Ongoing                                  |
| 3       | Madhusunanan Pon-nussammy         | 1 Implementation and Quantitative Evaluation of Bar Code Assisted Identification System in the Department of Nuclear Medicine .  
2 Quarter time acquisition of bone SPECT CT using 3D reconstruction algorithm and comparison of image quality with full time acquisition | 2014-2015 | Intramural | Community Medicine | Continuing |
Publications:

Journals:


Patient Care Services:

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<th>Total</th>
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<td>Bone scan</td>
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<tr>
<td>Thyroid scan</td>
<td>385</td>
</tr>
<tr>
<td>Thyroid Perchlorate</td>
<td>1</td>
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<tr>
<td>Brain SPECT GHA</td>
<td>6</td>
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<tr>
<td>Brain SPECT ECD</td>
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<tr>
<td>Renal EC</td>
<td>389</td>
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<tr>
<td>Renal DTPA</td>
<td>168</td>
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<tr>
<td>Renal DRCG</td>
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<td>Renal DMSA</td>
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<td>Myocardial perfusion SPECT</td>
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<td>I 131 therapy</td>
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<td>Hepatobiliary scintigraphy</td>
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<td>GER and Esophageal Scintigraphy</td>
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<td>GI Bleed</td>
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<td>Gastric Emptying study</td>
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<td>Graft Viability</td>
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<td>Lymphoscintigraphy</td>
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<td>MUGA</td>
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<td>Lacrimal scintigraphy</td>
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<tr>
<td>Tumor Imaging DMSA V</td>
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</table>
Awards, Honours and other Personal Achievements:

NA

Administrative, Patient care, Educational, Research and Other Assignments:

1. Dr. Nandini Pandit has been appointed the warden for Aschoff House (Girls Hostel)
2. Dr. Dhanapathi Halanaik has been elected as the Executive Member of JIPMER Scientific Society.

Significant Events in the Department

- Department has started new diagnostic invitro study of estimationg GFR in paediatrics and adult patients with plasma sample method.
- Isolation wards for the treatment of Carcinoma Thyroid and Neuroendocrine tumor are being made.
DEPT OF OBSTETRICS & GYNAECOLOGY

Faculty List:

Professor & Head: Dr. S. Soundara Raghavan

Professor:
- Dr. S. Habeebullah
- Dr. Dasari Papa
- Dr. Latha Chaturvedula
- Dr. Gowri Dorairajan

Additional Professor: Dr. Jayalakshmi. D

Associate Professor:
- Dr. Haritha. S
- Dr. Veena K
- Dr. Dilip Kumar Maurya
- Dr. Kubera N.S.
- Dr. Anish Keepanasseril
- Dr. Sasirekha R

Assistant Professor:
- Dr. Chitra T
- Dr. Mamatha Gowda
- Dr. Murali

Background information of the department

The department of Obstetrics and Gynaecology delivers high quality patient care simultaneous with intensive academic and research activities. The department consists of 4 units with 15 consultants and 12 senior residents. Each year 8 postgraduates were inducted into the MS Obstetrics and Gynaecology postgraduate programme. Since 2011 the postgraduate seats have increased to 13.

On an average 1,10,000 outpatients and 20,000 In-patients are treated per year. The average number of deliveries and major surgeries per year are over 15,000 and 1200 respectively.

The department is equipped with state of the art facilities for the assessment of the fetus and management of high risk pregnancy, screening and early diagnosis of cervical cancer through Pap smear and colposcopy, performing minimally invasive surgeries and procedures through the use of laparoscope, basic management of problems of infertility including microsurgery, and treating gynaecological cancers through oncologic surgeries and chemotherapy.

Undergraduate MBBS students are taught through bedside clinical classes, small group demonstrations and tutorials, and theory lectures in addition to observation training of operative techniques in the Operation Theatres. They are posted in rotation to labour room in 8th and 9th semesters for 10 days each where they acquire skills. Theory classes are also taken for the nursing students.
Postgraduates undergo rigorous training in all aspects of Obstetrics and Gynaecology. Regular lecture classes, bedside clinics, journal clubs and symposia form part of their training in addition to practical training under supervision in the labor ward and operation theatres.

The department is equally involved in high quality research. Each Postgraduate carries out a dissertation as part of the postgraduate programme under the guidance of the faculty. In addition, the faculties are also involved in ongoing research projects and produce a number of publications in indexed journals and contribute/edit chapters to textbooks. It is also a centre for postpartum programme and a Human Reproductive Research Centre under the ICMR.

**Educational courses**

1. Undergraduate course (MBBS, B.Sc, Nursing, B.Sc. OT Technology)
2. Postgraduate course (MS, Obst., & Gynae.,)
3. Other courses (EMT Certificate course)

**Conferences and CME's organized by the department**

April 2014 FEMPO, JIPMER, India.

Fetal Medicine For practicing Obstetricians: One day workshop on 1st trimester, 2nd trimester Ultrasound followed by talks given by experts in that field and we had case discussion on various anomalies with Hands-on-training on ultrasound. There were around 200 participants from Pondicherry and Tamil Nadu.

**Conferences and CME'S attended by Faculty**

**Dr. S. Soundara Raghavan, Professor & Head**

- Attended CUSP at Chennai Sept 2014.

**Dr. S. Habeebullah, Professor**

- To conduct gynaecology oncology fellowship exam at CMC, Vellore on 17.01.15
- Attended All India Congress of OBGY at Chennai from 22nd to 25th January, 2015
- Attended Endogyn 2015 at Kolkata from 19.3.15 to 23.3.15.

**Dr. Dasari Papa, Professor**

- Participated in FERTFOCUS 2014, International conference on 26th and 27th April held at Coimbatore.
- Participated in Pharmacology Workshop on Good clinical Research Practice 22nd and 23rd August – JIPMER.
- Participated in Annual conference North Zone -AICC RCOG – Multidisciplinary management for Best care in Obstetrics and Gynecology in New Delhi.

**Workshops:**

1. Attended Fetal CTG, Ultrasound and Delivery Decision.
2. Attended COHS, IVF and ICSI conventional protocols and modifications
4. Participated in Obstetric Medicine Update organized by SOMI and Fernandez Hospital at Hyderabad 4/10/14 to 6/10/14.

5. Poster presentation on “Maternal Mortality and its relationship to EmOC in a tertiary care hospital in South India”.


7. Delivered a Talk on ‘Antenatal care at community level towards better perinatal outcome’on 20/11/14 in the dept of Paediatrics JIPMER during New born week celebrations.

8. Participated at AICOG 2015 at Chennai- One of the Judges for free paper communication


Dr. Latha Chaturvedula, Professor

1. First Indian Hands on Cadaver Course on Peritoneal Surface Malignancies (PSM) & HIPEC and Cadaver Workshop on Laparoscopic Gynecological Malignancies at M.S.Ramaiah Medical College, Bangalore on 28 & 29th March 2015; Organized by AGOI.


Dr. Gowri D, Professor

- Delivered guest lecture on “Dynamics of supports of female urogenital tract: clinical applications” at the 3rd National Conference of society of clinical anatomists held on the 24th-25th May 2014 at the Sunway Grant Hotel.

- Delivered Lecture on “Obstetric Concept Spiral: outdated to updated” at the CME program held at Cluny Hospital on the 13th April 2014.

- Delivered talk on “Common Gynecological Prescription- Pharmacy Alert”. At the 19th Continuing Pharmacy Education Programme (C.P.E) on 24th August 2014 at the IGGGH and PGI conference hall.

- Invited for talk on ”PPH: Precious Platinum Hour” at the CNE( Continued Nursing Education program to be held on 21st December 2014, at Government Maternity Hospital, Puducherry.

- Participated as expert in Panel discussion on “Vault Prolapse” at the Annual Conference AICOG (All India Congress of Obstetrics 2015 on 24 th January 2015 at Chennai.


- Delivered talk on “Perinatal Transmission of HIV: Prevention Strategies” for CME held at Sri Venketeswara medical College and RI, Puducherry on 30th January 2015

- Delivered talk on “Anatomical Factors in RPL: imaging and diagnosis” held under the auspices of FOGSI for CME on early pregnancy loss, organized by Pondicherry Obstetric and Gynecologists Association. JIPMER, at Shanbaga Hotel on 22nd February 2015.
• Presentation at JIPMER Scientific Society Meet on February 20th at JIPMER. Title: Knowledge and attitude towards contraceptive methods for spacing and decision making factors regarding its use in postpartum women. Authors. Jyotsna Sharma, Gowri Dorairajan, PalanivelC. Presented by medical student Jyotsna Sharma.

**Dr. Jayalakshmi, D, Additional. Prof.**

• First Indian Hands on Cadaver Course on Peritoneal Surface Malignancies (PSM) & HIPEC and Cadaver Workshop on Laparoscopic Gynecological Malignancies at M.S.Ramaiah Medical College, Bangalore on 28&29th March 2015; Organized by AGOI.

• Attended AICOG, Chennai in January 2015.

**Dr. Haritha Sagili, Associate. Prof.**

Jan 2015    Attended AICOG conference ,Chennai ,India
Presented Poster on” Emergency Obstetric Care: Complications of pregnancy and labour at a tertiary care centre in South India.

Nov 2014    Attended 15th Biennial meeting of IGCS, Melbourne, Australia.
Presented 2 posters-
1. Adnexal Masses in Children And Adolescents – A 5 Year Retrospective Study in a tertiary hospital in South India.

2. Perioperative morbidity of cervical cancer-a 5 year review in a tertiary area Institute in south India.

May 2014    Attended CME on Endometriosis, FOGSI meet, Pondicherry
May 2014    Grantmanship seminar, NTTC ,JIPMER

**Dr. Dilip Kumar Maurya, Associate. Prof.**

• Attended AICOG, Chennai in Jan 2015.


**Dr. Kubera, N.S., Assoc. Prof.**

• Attended Fetal Echocardiography workshop 2014 held at JIPMER on 29 June 2014, Puducherry.
• Attended workshop on Good Clinical Research Practice held at JIPMER on 22&23 Aug 2014.
• Attended ISGE Asian meeting 2014 (Conference and pre congress workshop) held at Kochi on 9th to 12 Oct 2014.
• Attended 10th Annual national conference of Indian Fertility at Pune on 19 to 22 Dec 2014 (Attended pre, post congress and conference).
• Monthly meeting /CME held by OG society of Puducherry.
• Online Course on NT done by FMF UK.

**Dr. Anish Keepanasseril, Assoc. Prof.**

Delivered Lecture on “Long term consequences of PCOS” in Manakula Vinayagar Medical College, March 2015.
Dr. Sasirekha, Assoc. Prof.

- YUVA FOGSI – South ZONE held at MYSORE, May 2014 – Presented paper on eclampsia & Poster on Takayasu arteritis in pregnancy
- OGSP monthly CME – Presented a capsule on Scar Endometriosis
- CME on PCOS at SVMCH Puducherry, March 2015 – Gave talk on Pathophysiology & Clinical presentation on PCOS
- Impact of pregnancy on Tuberculosis – International project has been applied for grant.

Dr. Murali, Asst. Prof.

- First Indian Hands on Cadaver Course on Peritoneal Surface Malignancies (PSM) & HIPEC and Cadaver Workshop on Laparoscopic Gynecological Malignancies at M.S.Ramaiah Medical College, Bangalore on 28&29th March 2015; Organized by AGOI.
- Delivered lecture on “H1N1 in pregnancy” on 15th Feb 2015 during OGSP meet at Hotel Accord.

Dr. Chitra, Asst. Prof.

- Attended workshop for JIPMER faculty on “Workplace Based Assessments” organized by Dept. of Medical Education, JIPMER on 19th JULY 2014.
- Attended “Fetal echocardiography workshop” on 29th JUNE, WCH, JIPMER
- Attended workshop On “Basics in Epidemiology” on 26&27 June, JAC, JIPMER
- Attended “Fertility Enhancement and Management (FEM)” conference held at Mumbai, Nov 21-23, 2014
- Participated in FERTFOCUS 2014, International conference on 26th and 27th April held at Coimbatore
## Research Projects:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanc tioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Dasari Papa</td>
<td>Sonopartogram for monitoring progress in Labour and its validity in comparison with digital vaginal examination</td>
<td>2 year</td>
<td>nil</td>
<td>Ethics approval</td>
<td></td>
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<tr>
<td>2</td>
<td>Dr. Gowri Dorairajan</td>
<td>Effect of timing of insertion of puerperal Intrauterine contraceptive device CuT380A on expulsion rates. Applied for extramural funds to ICMR, concept accepted being processed by ICMR.</td>
<td>2 years</td>
<td>ICMR extramural</td>
<td>none</td>
<td>Concept approved, Detailed proposal being processed.</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Haritha Sagili</td>
<td>Assessment of transmission rates of HIV from mother to child with different feeding and prophylaxis options under PPTCT programme: An exploratory study in Western and Southern India.</td>
<td>2 years</td>
<td>Extramural Funding - NACO project</td>
<td></td>
<td></td>
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<td>Project ID</td>
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<td>Project Title</td>
<td>Funding Status</td>
<td>Duration</td>
<td>Institution</td>
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<td>------------</td>
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<td>---------------</td>
<td>----------------</td>
<td>----------</td>
<td>-------------</td>
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<tr>
<td>Prevalence of select sexually transmitted infections/reproductive tract infections among subpopulations at high risk of HIV in India: FSW, MSM, Migrants, IDU and Persons living with HIV.</td>
<td>Dr. Anish Keepanas-seril</td>
<td>Outcome of Pregnant women with Pulmonary hypertension: A Retrospective study “Biventricular Cardiac function in women with early onset preeclampsia: A cohort study”</td>
<td>Extramural Funding - NACO project</td>
<td>2 year</td>
<td>Cardiology ongoing</td>
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<tr>
<td>Kubera N S</td>
<td>Maternal and perinatal outcome in pregnancies complicated by meconium stained amniotic fluid</td>
<td></td>
<td></td>
<td>3 years</td>
<td>Neonatology ongoing</td>
<td></td>
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<tr>
<td>Dr. Sasirekha R</td>
<td>Pattern of blood transfusion among women undergoing caesarean section in a tertiary health care center in South India</td>
<td>ICMR Project</td>
<td></td>
<td>2 years</td>
<td>Anaesthesia ongoing</td>
<td></td>
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<tr>
<td>Dr. T. Chitra</td>
<td>Post-Operative Analgesia with intra-peritoneal bupivacaine and fentanyl: RCT</td>
<td>ICMR Project</td>
<td></td>
<td>2 years</td>
<td>Anaesthesia ongoing</td>
<td></td>
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<tr>
<td>Dr.T.Chitra</td>
<td>Assessment of thyroid Autoimmunity and thyroid hormones in female infertility</td>
<td>2 yrs</td>
<td>Intramural fund</td>
<td>Bio-chemistry</td>
<td>Ongoing</td>
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<tr>
<td>Dr.T.Chitra</td>
<td>Assessment of thyroid Autoimmunity and thyroid hormones in female infertility</td>
<td>2 yrs</td>
<td>Intramural fund</td>
<td>Bio-chemistry</td>
<td>Ongoing</td>
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<tr>
<td>Dr.T.Chitra</td>
<td>Psychological distress and quality of life in infertile women attending infertility clinic: A pilot Study</td>
<td>1 year</td>
<td>nil</td>
<td>Psychiatry</td>
<td>Ethics Approval</td>
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</table>

7. Publications.

**Dr. Dasari Papa, Professor**


**Dr. Gowri D, Professor**


**Dr. Jayalakshmi, D Additional Prof.**

- Shivanand Kattimani, Rajendiren Soundravally, MD, PhD; Anand Aswathi, MSc; Aishwarya Say, MSc; Durairaj Jayalakshmi, MD; Haritha Sagili , MD; Siddharth Sarkar, MD. Factors
Predicting Postnatal Depression Immediately after Delivery and at 6 Weeks: Study from a Teaching Hospital in Southern India. Indian Journal of Mental Health 2014; 1(1).


**Dr. Haritha Sagili, Associate Prof.**


**Dr.Anish Keepanasseril, Associate Prof.**


**Dr. Sasirekha R, Associate Prof.**


2. Reddi Rani P, sasirekha R. Diagnosis and management of placenta accreta JPOG NOv/Dec 2014; pg 175-79

Dr. Chitra, Assistant Prof.


Dr. Murali, Asst. Prof.


Patient Care Services

<table>
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<tr>
<th>S. No</th>
<th>Clinics</th>
<th>New</th>
<th>Old</th>
<th>Total</th>
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<tr>
<td>1</td>
<td>General OPD</td>
<td>6/week</td>
<td>Obst 22386</td>
<td>45578</td>
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<td></td>
<td></td>
<td></td>
<td>Gynae 18199</td>
<td>34966</td>
</tr>
<tr>
<td>2</td>
<td>Cancer Clinic</td>
<td>1/week</td>
<td>495</td>
<td>1650</td>
</tr>
<tr>
<td>3</td>
<td>Infertility Clinic</td>
<td>1/week</td>
<td>473</td>
<td>1137</td>
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<td>4</td>
<td>Post Natal clinic</td>
<td>1/week</td>
<td>1390</td>
<td>1352</td>
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<tr>
<td>5</td>
<td>OG casualty</td>
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<td>18166</td>
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Operations Performed

Gynaecology

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<tr>
<th>Procedure</th>
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<tr>
<td>Major Abdominal surgery</td>
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</tr>
<tr>
<td>Major Vaginal Surgery</td>
<td>282</td>
</tr>
<tr>
<td>Diagnostic Lap/Hysteroscopy</td>
<td>74</td>
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<tr>
<td>Operative Laparoscopy</td>
<td>134</td>
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<tr>
<td>D&amp;C/FC/EA</td>
<td>564</td>
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<tr>
<td>Biopsies/Polypectomy</td>
<td>1196</td>
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<tr>
<td>Cystoscopy/Cryo/colposcopy</td>
<td>138</td>
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<tr>
<td>Papsmear</td>
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<tr>
<td>MTP</td>
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## Obstetrics

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<tr>
<th>Service</th>
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<td>Deliveries</td>
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<tr>
<td>Vaginal deliveries</td>
<td>9053</td>
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<tr>
<td>Operative vaginal deliveries</td>
<td>1433</td>
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<td>LSCS</td>
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<td>Emergency Laparotomy</td>
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<tr>
<td>NST</td>
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<td>USG</td>
<td>11681</td>
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## Side Laboratory Investigations (O&G)

### Blood

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<th>Test</th>
<th>Count</th>
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<tbody>
<tr>
<td>Hb</td>
<td>19216</td>
</tr>
<tr>
<td>BT, CT</td>
<td>6923</td>
</tr>
<tr>
<td>TC, DC</td>
<td>881</td>
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<tr>
<td>ESR</td>
<td>394</td>
</tr>
<tr>
<td>Blood Grouping</td>
<td>2521</td>
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<td>Blood sugar</td>
<td>2835</td>
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### Urine

<table>
<thead>
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<th>Test</th>
<th>Count</th>
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<tbody>
<tr>
<td>Routine &amp; Microscopy</td>
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</tr>
<tr>
<td>Pregnancy Test</td>
<td>1024</td>
</tr>
<tr>
<td>Ketones</td>
<td>111</td>
</tr>
<tr>
<td>BS</td>
<td>26</td>
</tr>
</tbody>
</table>

### Stool

<table>
<thead>
<tr>
<th>Test</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>Ova/ cyst</td>
<td>172</td>
</tr>
<tr>
<td>Occult blood</td>
<td>49</td>
</tr>
</tbody>
</table>

## POSTPARTUM PROGRAMME

Achievement of different family planning methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Achievement</th>
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<tbody>
<tr>
<td>Copper T</td>
<td>123</td>
</tr>
<tr>
<td>Oral Pills</td>
<td>113</td>
</tr>
<tr>
<td>Condoms</td>
<td>10</td>
</tr>
<tr>
<td>Sterilization (Tubectomy)</td>
<td>2248</td>
</tr>
<tr>
<td>Vasectomy</td>
<td>NIL</td>
</tr>
</tbody>
</table>
Awards, Honours and other personal achievements

Dr. Dasari Papa, Professor
1. BEST PAPER AWARD for Poster presentation on “Maternal Mortality and its relationship to EmOC in a tertiary care hospital in South India” in Obstetric Medicine Update organized by SOMI and Fernandez Hospital at Hyderabad - 4/10/14 to 6/10/14.
2. Awarded Diploma in HIV and AIDS during WHO fellowship on HIV and AIDS at Galilee Israel -14/5/14 to 28/5/14
3. Undergone Advanced Laparoscopy training from 15/10/14 to 30/10/14 at PGI, Chandigarh.

Dr. Haritha Sagili, Associate. Prof.
1. Feb 2015 Awarded CIMP degree, Indian Menopause Society, INDIA
2. Shingo Fujii Young Doctors Summit award– to attend 15th Biennial meeting of IGCS, Melbourne, Australia.

Dr. Sasirekha
1. Awarded best paper award in YUVA FOGSI held in Mysore for the paper entitled on ‘Is Cesarean section necessary for women with eclampsia – An experience from tertiary institute’.

Dr. Chitra
2. Administrative, Patient care, Educational, Research and Other Assignments

Dr. Dasari Papa, Professor
1. Member for Interview board for Perfusionist on 29/4 and for Perfusion assistant on 30/4/14
2. Conducted test and interview for senior resident recruitment on 2/12/14.
3. Incharge of Infertility Clinic
4. Incharge of PG teaching Programme
5. Dissertation evaluation- for -Sri Balaji Vidhyapeeth-4 JIP Examinerships
6. Internal examiner for MBBS and MS OG at JIPMER 2014-15
7. External examiner MBBS at Savitha medical college Chennai and for DGO at Chidambaram Medical College, Chidambaram
8. Reviewer for Journals-BMJ case reports,BJMMR, IJMR,IJAMR, Case reports in Surgery, Gynecologic and Obstetric Investigation, CJOG.

Dr. Gowri D, Professor
1. Went to the KIIT university Bhubaneshwar, Odisha as expert for interview for promotion of faculty of the Medical college on the 19th November 2014.
2. Went as MCI expert for compliance inspection of increase of postgraduate seats in Obstetrics and Gynecology to Bhaskar Medical College. Yenkapaly, Andhra Pradesh on 7th January 2015.
Dr. Jayalakshmi, D Additional. Prof.
1. Internal examiner for MBBS at JIPMER 2014-15
2. External examiner MS OG at MGMC 2014
3. External examiner for model exam PIIMS 2015

Dr. Haritha Sagili, Associate. Prof.

| April 2014 | FEMPO, JIPMER, India, FINANCE COMMITTEE |
| FOUNDATION DAY | REGISTRATION |
| GOLDEN JUBILEE | REGISTRATION |
| DIRECTOR’S CONCLAVE | KIT |
| 2014 | Organised research review meeting |
| 2014 | Treasurer CME OG |
| 2015 | PG INDUCTION PROGRAMME |

Dr. Sasirekha

- Co-incharge of Post partum programme
- Under graduate examiner to PIMS, Puducherry
- Gave Health talks on Menopause & Menstrual issues at INTEGRA, Puducherry
- Adolescent health at UDAVIKARANGAL, TN palayam, Puducherry

Significant events in the department

The department shifted in June 2013 to a new 450 bedded building exclusive for women and child health. The departmental library has been set up on the 2nd floor of WCH for the benefit of residents and faculty.
Background Information:
The department of ophthalmology aims to provide comprehensive preventive and curative care to reduce visual morbidity. The department has a well planned teaching schedule which includes journal club, seminars, grand rounds and wet lab. Evidence based approach is emphasized. An average of 68,017 patients attended our outpatient every year and over 8,103 major and minor surgeries are carried out. Special clinics are conducted for workup of retina, cornea, glaucoma, squint and pediatric ophthalmology patients. The department conducts state of art outreach programs under the teleophthalmology project. Screening for age related disorders especially diabetic retinopathy and school vision screening are the thrust areas of these camps.

Educational Courses:
Undergraduate Courses : MBBS
Postgraduate Course : MS

Conferences and CMEs organized by the Department:
AIOS PG update was organized by Dept of Ophthalmology, held at JIPMER from Sept 12 to 14, 2014

Conferences and CMEs attended by faculties
Renuka Srinivasan:
1. Attended the 62nd annual conference of the Tamil Nadu Ophthalmic association 8-10 August 2014.
2. Judge for the TNOA Dr.MN award for Cataract Session at the 62nd Annual Conference of the Tamil Nadu Ophthalmic Association. 8.8.14- 10-8-14.
3. Glaucoma & Tips to crack the Viva PG update Session at the 62nd Annual Conference of the Tamil Nadu Ophthalmic Association. 8.8.14- 10-8-14
4. Guest Speaker CME on PHACO-UPDATE on 31st August 2014 at P.D.V.V.P.F’s Medical College And Hospital, Ahmednagar. Spoke on «Capsulorrhesis-Pearls and Pitfalls.


6. Attended the 73rd Annual AIOS conference Delhi Feb 5-7 2015. Poster presentation – Bimatoprost induced serous macula detachment.

Ramesh Babu K

1. Attended the 27th APACRS (Asia Pacific Association of Cataract and Refractive Surgeons) Annual Meeting in Jaipur from Nov 13-16, 2014


3. Attended the “Keracon 2014” the second annual conference organized by Cornea Society of India, held at Mahabalipuram on 19th to 21st Dec, 2014

Subashini Kaliaperumal

1. Participated in CME organized by Pondicherry Ophthalmic Society on 29th March 2015 “Endophthalmitis Prevention and management”

Shashi Ahuja

1. JIPMER Scientific Society: Thesis guide for Prize winner paper in Category : Papers based on research in clinical / basic sciences. 20 February 2015, SSB Hall, JIPMER

2. Effect of Chronic Alcohol and Tobacco Use on Retinal Nerve Fiber Layer Thickness - A Case Control Study

3. Speaker, JSS-JIPMER Research: Workshop on Book Writing and Meet the Publishers 7th November 2014, SSB Hall on “Challenges faced by first time author”.

4. E-poster presented on “Retinal nerve fibre layer thickness analysis in cases of papilledema using optical coherence tomography-A case-control study” at the 73rd Annual AIOS conference Delhi Feb 5-7 2015

Nirupama Kasturi

1. Workshops attended organized by JIPMER, Puducherry:

2. 2nd Orientation Workshop on Epidemiology. 26-27 June 2014


Swapnil Parchand


3. Attended the conference - Transforming Retinal Surgeries using Emerging Innovations at Bangalore on 3 May 2014
5. Workshops attended organized by JIPMER, Puducherry
   - 2nd Orientation Workshop on Epidemiology. 26-27 June 2014

**Research Project**

<table>
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<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
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<td>1</td>
<td>Subashini K</td>
<td>Ocular Morbidity in patients with Rhini-orbital Mucormycosis</td>
<td>2014-2015</td>
<td>Non funded</td>
<td>Dept. of ENT</td>
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<td>2</td>
<td>Shashi Ahuja</td>
<td>Evaluation of Proptosis by CT-guided Fine Needle Aspiration Cytology</td>
<td>2013-2016</td>
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<td>Dept of ENT, Pathology and Radiodiagnosis</td>
<td>Ongoing</td>
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<td>3</td>
<td>Ramesh Babu K</td>
<td>Ocular Changes in Pregnancy</td>
<td>2014 - 2016</td>
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<td>4</td>
<td>Ramesh Babu K</td>
<td>Role of Vitamin D3 in Severe, Very Severe Non Proliferative Diabetic Retinopathy (NPDR) and Early Proliferative Diabetic Retinopathy (PDR)</td>
<td>2014-2016</td>
<td>Applied for Funding</td>
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**Publications:**


**Patient Care Services**

**Clinical**

**Number of surgical procedures:**

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<td>Bleb excision</td>
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<td>Intravitreal Avastin Injections</td>
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**Miscellaneous procedures**

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<td>Syringing</td>
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<td>Conjunctival Scraping</td>
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<td>F.B. Removal(Extra ocular)</td>
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<td>62</td>
<td>Caterpillar hair removal</td>
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<td>63</td>
<td>Saline wash</td>
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<td>64</td>
<td>Suture removal</td>
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**References**

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**Special Clinic**

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<td>68</td>
<td>Glaucoma</td>
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**Special Investigation**

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<td>72</td>
<td>Keratometry</td>
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<td>Contact lens</td>
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<td>Automated Perimetry</td>
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<td>Pachymetry</td>
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<td>OCT</td>
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<td>100 Hue Test</td>
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<td>78</td>
<td>Ultrasound B Scan</td>
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### Annual Report

**Jawaharlal Institute of Postgraduate Medical Education and Research**

#### Refraction

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<td>Refraction</td>
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<td>Post mydriatic Test</td>
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<td>85</td>
<td>Orthoptics</td>
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#### Laser Room Procedure

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<td>Retinal Lasers (PRP, Grid, Barrage)</td>
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<td>87</td>
<td>YAG Laser (Iridotomy &amp; Capsulotomy)</td>
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### Administrative, Patient Care, Educational, Research and Other Assignments

**Renuka Srinivasan**

- MCI Assessor Yenepoya Medical College Mangalore for assessing physical and teaching facilities for MS course Sept 8 2014
- MCI assessor Ulhas Patil Medical College Jalgaon for assessing physical and teaching facilities for MS course Jan 28 2014
- Examiner NBE Theory August 3-7, 2014
- Examiner NBE practical Oct 31, 2014
- NBE assessor for ophthalmology Mohan Eye Hospital May 3 2014
- NBE assessor for ophthalmology Ahalya Eye Foundation Pallakad Aug 8 2014
- Nominated as subject expert by Ministry of Health and Family Welfare to advise Drug controller general for approval of clinical trials, new drugs and medical devices Jan 19, 2015
- Examiner MS Ophthalmology April 2014 Stanley Medical College April 16 2014
- Inspection of eye bank facility Sr Lakshminarayana Medical College Pondicherry Feb 2014
- Inspection of eye bank facility Mahatma Gandhi Medical College Pondicherry March 30 2015
- Chairperson and Officer in charge Complaint cell
- Member of hospital furniture procurement committee
- Member of hospital infection control committee
- Member of RNTCP program JIPMER
- Member of general body JIPMER

### Guide

1. Determination of anterior segment morphological changes in eyes following uneventful phacoemulsification and foldable intraocular lens implantation (MS Ophthal).
2. Ocular manifestations in leukemias among patients attending a tertiary care setting in South India. M.S.(Ophthal)

4. Factors affecting refraction following phacoemulsification with a single piece foldable intraocular lens implantation: an observational study. (MS Ophthal).

**Ramesh Babu K**

- Member of JIPMER Quality Council
- Committee member, JIPMER Golden Jubilee Celebration 2014.
- Exofficio member of Pondicherry Ophthalmic Association
- Institute Representative (Pondicherry) for JIPMER PG Entrance examination, December 2014.

**Guide**

2. Comparison of ocular biometric parameters using conventional and newer methods like optical low coherence reflectometry and rotating Scheimpflug image analysis in cataract patients - A case control study M.S.(Ophthal).

**Subashini K**

- Participated and contributed to framing of Curriculum for BSc Operation Theatre Technology Course during Workshop on 25th January, 2014 in JIPMER, Puducherry
- Executive member of Pondicherry Ophthalmic Association
- Member of JIPMER Quality Council
- Internal examiner- Allied Medical Science (OT Technology), JIPMER-May 2013
- Internal Examiner- Final MBBS part1 JIPMER –Dec 2013

**Guide**

1. Ophthalmological profile of adult thyroid disease M.S.(Ophthal).
2. Twenty four hour ambulatory blood pressure monitoring in open angle glaucoma suspects. M.S(Ophthal).
3. Effect of Phaco-trabeculectomy on refractive outcome M.S.(Ophthal).

**Shashi Ahuja**

- Member, Post-graduate Research Monitoring Committee
- External examiner for MBBS examination of Pondicherry University, December 2014.

**Guide**

1. Corneal endothelial changes in patients of type 2 diabetes mellitus using specular microscopy. M.S.(Ophthal)
2. Corneal endothelial changes in HIV infected patients. M.S.(Ophthal)

4. Type 2 Diabetes mellitus as a risk factor of open angle glaucoma: A case control study. M.S.(Ophthal).

**Swapnil Parchand**

- ‘Institute Representative’ for MBBS entrance exam, June 2014 for Bhopal centre.
Background Information

The Department of Orthopaedic Surgery is functioning since the inception of JIPMER. It has 64 sanctioned in-patient beds. In addition it caters to in patients admitted to emergency wards and special wards. The department runs out-patient services 6 days / week. Special clinics, namely clubfoot clinic, cerebral palsy/ poliomyelitis clinic are functioning once a week and bone tumor clinic functions twice a month. Emergency services are provided seven days /week. The department is allotted 10 operation tables per week for major surgical work. Available surgical facilities in the department are: trauma surgery for routine and complex trauma including spinal injuries; correction of congenital and acquired deformities using complex corrective procedures like Ilizarov technique, hip and knee total joint replacement, knee arthroscopy and Anterior Cruciate Ligament reconstruction, limb salvage reconstruction after bone tumor resections (custom mega prostheses), resection and extracorporeal irradiation and reimplantation for malignant bone tumors, spinal surgeries like Antero-lateral decompression, anterior decompression, discectomy, posterior instrumentation and fusion for spondylolisthesis. The department functions as two clinical units. It has a post graduate programme with 6 MS candidates per year. It is also involved in Undergraduate and paramedical teaching and training.

Education Courses

1. Undergraduate courses: MBBS
2. Post Graduate Courses: MS Orthopedics
3. Other Courses: B.Sc (Nursing), BSc OT technician course, Medical Record Trainee and Emergency Trauma Technician Course.
4. Training of Masters in Physiotherapy nominees from Govt of Pondicherry
5. Visiting Internship for Engineering graduates
Conferences and CMEs Organized by the Department

1. Advance trauma life support (ATLS) Provider course on 3rd - 5th April 2014
2. “Orthopaedic Trauma and Infection control” Continuing Nursing Education programme on 6th April 2014
3. Advance trauma life support (ATLS) Provider course on 24th - 26th July 2014
4. Advance trauma life support (ATLS) Provider course on 17th – 19th Oct 2014
5. Revisiting Cemented Total Hip Arthroplasty CME and Workshop 20th Nov 2015
6. Advance trauma life support (ATLS) Provider course on 12th - 14th March 2015
7. JIPMER trauma life support Course for Interns on 2nd - 3rd Jan 2015

Conferences and CMEs Attended by

Dr DK Patro

1. Faculty at the “Orthopaedic Trauma and Infection control” Continuing Nursing Education programme on 6th April 2014
2. Faculty at Trivandrum Ortho Post Graduate Instructional Course from 14-11-2014 to 16-11-2014.

Dr Jagdish Menon

1. Faculty at the “Orthopaedic Trauma and Infection control” Continuing Nursing Education programme on 6th April 2014.
2. Faculty at the Clinical training and Instruction Course of the Kerala Orthopaedic Association held at Medical College, Trichur on 10th - 11th May 2014
3. Faculty at instructional Course lectures of the Orthopaedic association of South Indian States, Vijayawada on 15th June 2015, delivered lecture on “Calcaneal fractures- management techniques”.
4. Faculty at the Clinical training and Instruction Course of the Kerala Orthopaedic Association held at Medical College, Kozhikode on 11th - 13th July 2014
5. Invited guest lecture on “Approach to Arthritis” at Government Hospital for Chest Diseases, Pondicherry on 21st July 2014
6. Faculty for the ATLS course 24th - 26th July Oct 2014 and March 2015 held at JIPMER Pondicherry
7. Attended the Healthcare Executive Management Development programme run by AIIMS, New Delhi from 7th to 13th Sep 2014.


14. Faculty for Basic trauma training course for interns organized by the department of Orthopaedics at JIPMER 2nd- 4th Jan 2015.

15. Attended the Winter Orthopaedic symposium at CMC Vellore on 8th-10th Jan 2014.


17. Faculty for ATLS course 24th -26th July 2014 held at Kottayam, Kerala.

18. Faculty for the Foot and Ankle conclave organized by the Pondicherry Orthopaedic Association held on 7th March 2015. Delivered talk on “Syndesmotic Injuries of the ankle”.

19. Invited Faculty for the CME on trauma –Golden hour “held at the Mahatma Gandhi Medical College, Pondicherry on 20th March 2015.


**Dr Murali Poduval**

1. Faculty at the “Orthopaedic Trauma and Infection control” Continuing Nursing Education programme on 6th April 2014.

2. Attended and completed the ATLS provider course in JIPMER on 3rd – 5th April 2014

3. Attended as a delegate the RePORT India Grantsmanship seminar held on 10th May 2014 at JIPMER

4. Faculty at the Clinical training and Instruction Course of the Kerala Orthopaedic Association held at Medical College, Kozhikode on 11th -13th July 2014

5. Faculty at the 13th Annual Conference of The Orthopaedic Association of South Indian States at Palakkad, Kerala on 15-17th August 2014. Presented two invited talks a. Step By Step Correction of Flexion Deformity in TKR b. Contemporary cementation techniques in THR

6. Invited Talk at the JIPMER Scientific society monthly meeting on 26.08.2014. Reconstruction of the complex hip in THR

7. Invited speaker and faculty at the CME on Recent Advances in Knee surgery at Padmashree Dr Vithalrao Vikhe Patil Foundation’s Medical College and Hospital , Ahmednagar, Maharashtra. on Sept 13 2014. Presented two talks a. Clinicroadiological Assessment in TKR b. Correction of Flexion Deformity in TKR

8. Attended the CME on Enhancing Survivorship of THR organised by the Madras Orthopaedic Society on 14th December 2014 at Regency Hotel, Chennai, and chaired a session at the meeting
9. Attended as a faculty, the Western India Regional Orthopaedic Conference organised by the Bombay Orthopaedic Society on December 26-28 2014 at Mumbai. Presented an invited talk on “Eminence based Medicine” in a session on Research In Orthopaedics.

10. Attended the conference on “Advances and Techniques in Joint replacement Surgery and Arthroscopy, the Thirteenth winter Meet “ Organized by the Ranawat Orthopaedic Association at Mumbai on 16-18th Jan 2015.


Dr Deep Sharma

1. Faculty at the “Orthopaedic Trauma and Infection control” Continuing Nursing Education programme on 6th April 2014.

2. Faculty at the ATLS provider course in JIPMER on 3rd – 5th April 2014

3. Attended the AO Spine Scoliosis Week, at Cochin from 6th – 12th April 2014

4. Attended 5 day comprehensive workshop on Developing a Protocol for a Cochrane Systematic Review, Conducted by South Asian Cochrane Network & Centre at CMC, Vellore from 28th April – 2nd May 2014

5. Faculty for the ATLS Providers course 24th -26th July 2014 held at JIPMER Pondicherry

6. Faculty for the ATLS Providers course 17th – 19th Oct 2014 held at JIPMER Pondicherry


8. Presented a Scientific Paper on the “Role of FNAC & Core Biopsy in the Diagnosis of Primary Bone Tumors” at the Annual National Conference of Indian Orthopedic Association (IOACON 19th – 24th November 2014)


10. Invited as Faculty to talk on the “Role of Procalcitonin as a Biochemical Marker for diagnosing Early Surgical Site Infections Following Orthopedic Surgery”. At the annual national conference of clinical biochemists of India (ACBICON- 10th -13th December 2014)

11. Faculty for Basic trauma training course for interns organized by the department of Orthopaedics at JIPMER 2nd- 4th Jan 2015.


13. Faculty for the ATLS Providers course 12th -14th March 2015 held at JIPMER Pondicherry.

Dr Gopisankar@Balaji.G


2. Attended the Ganga operative trauma course as a delegate at Coimbatore from June 27-29, 2014.

3. Attended the AIOSKCON as a delegate in Madurai on October 25&26, 2014.

4. Attended the Ganga operative Paediatric hip course conducted at Coimbatore from December 5-7,2014.
5. Attended the conference of Taminadu Orthopaedic association conducted at Salem from February 13-15, 2015.
6. Attended the Ganga Operative Arthroscopy workshop at Coimbatore from March 6-8, 2015.

Dr Sandeep Kumar Nema
1. Attended ATLS providers course held at JIPMER Puducherry on 3-5 April 2014 and acquired instructor potential
2. Attended ATLS instructor’s course held at AIIMS New Delhi on 6-7 May 2014 and became instructor candidate
3. Attended ATLS provider’s course held at JIPMER Puducherry as a Faculty on 17-19 October 2014
4. Attended ATLS provider’s course held at JIPMER Puducherry as a Faculty on 12-14 March October 2014
5. Attended Rotator cuff shoulder workshop held at Lourdes hospital Cochin Kerala on 2 October 2014 as a delegate
6. Attended Arthroscopy workshop held at Ganga hospital Coimbatore from 6-8 March 2015 as a delegate

Dr Suresh Gandhi
1. Attended 2nd Bangalore Gait Course on 27, 28th March 2015, Asia Pacific School, Bangalore.
2. Attended TNOACON 2015, at Salem and presented a free paper on Ilizarov fixation with fibular strut graft in non-union management.
3. Attended 6th Parekh INDO US foot ankle course January 9, 10, and 11, 2015 in Bangalore, India.
5. Invited faculty in Basic Ilizarov Course in Manakulaviygar Medical college, Pondicherry.

Research Project

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr DK Patro</td>
<td>Outcome of open discectomy in ‘massive’ intervertebral lumbar disc prolapse</td>
<td>5yrs</td>
<td>NA</td>
<td>NIL</td>
<td>On Going</td>
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<tr>
<td>2</td>
<td>Dr DK Patro</td>
<td>Extracorporeal irradiation and reimplantation as limb salvage option after resection of osteo-articular ends of bones for malignant bone tumors</td>
<td>5yrs</td>
<td>NA</td>
<td>NIL</td>
<td>On Going</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Description</td>
<td>Duration</td>
<td>Funding</td>
<td>Status</td>
<td>Notes</td>
</tr>
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</tr>
<tr>
<td>3</td>
<td>Dr DK Patro</td>
<td>One stage debridement, internal fixation and cancellous bone grafting in infected nonunions of long bones</td>
<td>5yrs</td>
<td>NA</td>
<td>NIL</td>
<td>On Going</td>
</tr>
<tr>
<td>4</td>
<td>Dr DK Patro</td>
<td>Excision, muscle interposition and radial deformity correction along with FCU transfer to restore supination in congenital superior R-U synostosis</td>
<td>5yrs</td>
<td>NA</td>
<td>NIL</td>
<td>On Going</td>
</tr>
<tr>
<td>5</td>
<td>Dr DK Patro</td>
<td>Survival analysis of long segments of fibula used in gap reconstruction in weight bearing bones</td>
<td>5yrs</td>
<td>NA</td>
<td>NIL</td>
<td>On Going</td>
</tr>
<tr>
<td>6</td>
<td>Dr DK Patro</td>
<td>Limb salvage in malignant bone tumors</td>
<td>5yrs</td>
<td>NA</td>
<td>NIL</td>
<td>On Going</td>
</tr>
<tr>
<td>7</td>
<td>Dr Jagdish Menon</td>
<td>Investigations on human-bacteria interactions in infections associated with orthopedic implants with special reference to chronic infections caused by persistent biofilm bacteria</td>
<td>3 years</td>
<td>Department of Biotechnology, Govt of India</td>
<td>Pondicherry University</td>
<td>On going</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Deep Sharma</td>
<td>The Role of ADA, IL-6, TNF-α, IFN-γ as diagnostic markers of skeletal tuberculosis</td>
<td>2 year</td>
<td>Intramural 100000/-</td>
<td>Biochemistry, JIPMER</td>
<td>Completed</td>
</tr>
<tr>
<td>9</td>
<td>Dr Nataraj A R</td>
<td>Short term effects of short-wave Diathermy versus therapeutic ultra sound in pain reduction and functional improvement of middle aged patients with Painful arc syndrome in Indian population</td>
<td>1yr</td>
<td>NA</td>
<td>PMR Physiotherapy</td>
<td>On Going</td>
</tr>
</tbody>
</table>

**Publication**


Patient Care Services

Out-Patient Services

The department runs out-patient services 6 day a week.

**OPD Days (room number 64)**

Unit I - Monday, Wednesday, Friday.

Unit II - Tuesday, Thursday, Saturday.

Special Clinics.

Clubfoot Clinic- Wednesday 2:00 pm to 3:00pm room number 64

Cerebral Palsy/Poliomyelitis Clinic Tuesday PMRC Block IInd floor

Tumor Clinic alternate week (Friday 2:00pm to 4:00 pm) Seminar Room PMRC Block

In-Patient Services

It has 64 sanctioned in-patient beds. In addition it caters to in patients admitted to emergency wards and special wards. The department is allotted 10 operation tables per week for major surgical work. Available surgical facilities in the department are: trauma surgery for routine and complex trauma including spinal injuries (state of the art internal fixation techniques are used); correction of congenital and acquired deformities using complex corrective procedures like Ilizarov technique; hip and knee total joint replacement; knee arthroscopy and Anterior Cruciate Ligament (ACL) reconstruction; limb salvage reconstruction after bone tumor resections (custom mega prostheses); resection and extracorporeal irradiation and reimplantation for malignant bone tumours (One of the only centre in India carrying out this procedure); spinal surgeries like antero-lateral decompression, discectomy,
posterior instrumentation and fusion for spondylolisthesis; routine poliomyelitis and cerebral palsy corrective procedures.

Awards, Honours and other Personal Achievements
Drs Deep Sharma, Jagdish Menon and Sandeep Nema qualified as instructors for the Advanced Trauma Life Support course, run by the American College of Surgeons

Administrative, Patient Care, Educational, Research and Other Assignments.

Dr DK Patro
1. Examiner for DNB Orthopaedics at Safdarjung Hospital, New Delhi from 26-04-2014 to 29-04-2014.
2. MCI assessor for Orthopaedics at Osmania Medical College, Hyderabad on 20-05-2014.
3. MCI assessor for Orthopaedics at Deccan College at Medical Sciences, Hyderabad on 19-05-2014.
4. MCI assessor for Orthopaedics at AFMC, Lucknow on 08-05-2014.
5. MCI assessor for Orthopaedics at Peoples College of Medical Sciences & Research Centre, Bhanpur, Bhopal on 22-09-2014.
6. MCI assessor for Orthopaedics at Dr.Ulhos Patil Medical College & Hospital, Jalgaon, Maharashtra on 31-10-2014.
8. Question paper setter and paper reviewer for Pg and UG examination for SBVP Deemed University.

Dr Jagdish Menon
1. Medical Council of India assessor for MS (Orthopaedics) for medical colleges in Bangalore
2. Examiner for MS (Orthopaedics) at Sri Ramachandra university, Chennai Kerala University of Health Sciences and Amrita Institute of Medical Sciences, Kochi
3. Member of the Vidhyalaya Management Committee of the KV School, JIPMER
4. Member, Expert group on Undergraduate Curriculum in Physical Medicine and Rehabilitation for the Medical council of India, meeting at New Delhi on 29th -30th May 2014
5. Chairman, Departmental purchase committee, Dept of Orthopaedics, JIPMER
6. Chairman, Security Monitoring Committee
7. Member, Institute Purchase Committee

Dr Murali Poduval
1. Appointed and officiated as MCI inspector to a college in Andhra Pradesh in January 2015.
2. Member of Departmental Purchase committee

Dr Deep Sharma
1. Member of Departmental Purchase committee
2. Selected to attend the AO Spine Scoliosis week in Cochin, April 2014
DEPARTMENT OF PEDIATRIC SURGERY

Faculty List:

Professor & Head: Ashok Rijhwani
Associate Professors: Kumaravel S Bibekanand Jindal
Assistant Professors: Krishna Kumar Bikash Kumar Naredi

Background information of the Department

The department of Paediatric surgery was started in the year 1976 as a unit of General Surgery with bed strength of 10 under the care of part time consultant Prof. Chatterjee. In 1978, Prof. Chatterjee became a full time consultant looking after Paediatric surgery. The department continued to grow and by 1986 two full time consultants were designated to look after the needs of the department. Even though in 1990 after the retirement of Prof. Chatterjee the department went back to having only a part time consultant to look after its needs until 2009, the department continued to conduct undergraduate classes, look after the surgical needs of paediatric patients especially GIT, and training of postgraduates and senior residents. It is to the credit of the department that at least a dozen post MS senior residents have gone on to complete their MCh in paediatric surgery.

Currently the department of Pediatric Surgery is situated in the Superspeciality Block and is a fully functional independent department with One Professor and Head, two Associate professors and two Assistant Professors. This department looks after all the surgical needs of children, having daily OPD services and operating on 12 days a month. A six bedded independent Pediatric Surgical ICU equipped with all modern open care systems for newborns, multi-parameter monitors and three ventilators, a four bedded pediatric burns ward and 16 general ward beds account for the in-patient Pediatric Surgical services.

The Department now takes care of all aspects of Pediatric Surgery including Pediatric thoracic, Pediatric gastrointestinal, Pediatric genitourinary, Pediatric solid malignancies (Cancer) and Pediatric endoscopic (laparoscopic, thoracoscopic, etc.,) Surgeries with special emphasis on neonatal surgery, pediatric thoracic, and pediatric cancer for which patients come from places as far as 400kms. Another area of special interest is Biliary atresia, a surgically correctable cause of jaundice in neonates and infants which is not offered in any of the major institutions for several hundred kilometers.

Education Courses

a. Undergraduate Course:

Recognizing the fact that majority of the Pediatric Surgical patients’ first visit a MBBS doctor before a specialist and accurate identification, referral is important to avoid morbidity, this department conducts a semester long undergraduate classes for the VI/VIIth Semester of the MBBS students which covers the entire gamut of Pediatric Surgical problems. An internal evaluation at the end of the term is also conducted.
b. Post graduate Training:

General Surgery MS graduates are posted for a month during their rotation of superspecialty departments in Paediatric Surgery. Keeping in mind the national shortage of pediatric surgeons and the fact that many of these patients with life threatening problems may have to be identified and managed promptly by general surgeons, training of postgraduate MS students is taken seriously with dedicated OT time and academic programs.

c. Higher Specialty Courses - MCh (Pediatric Surgery)

During the period 2012-2013, a landmark event for the department was starting the MCh (Pediatric Surgery) course. While many prestigious centers have had vacant seats, our course has continued to attract a large number of applicants. At present six candidates are selected and are pursuing the course.

Conferences and CMEs Organized by the Department:

POPSCON 2014 is the thirteenth annual conference of Tamilnadu and Pondicherry (TPPS) chapter of Indian association of pediatric surgeons organized at JIPMER. It is the largest state chapter and has about 150 pediatric surgeons as members. The annual conference of the Tamil Nadu and the Pondicherry Pediatric Surgeons (TPPS) aims to disseminate this knowledge, demonstrate newer surgical techniques and act as a forum for discussion of any topic relevant to the practice of Pediatric Surgery. This is also a platform for young and budding surgeons and Pediatric Surgeons to interact with their more experienced peers and contribute to the knowledge base in Pediatric Surgery.

This year a live operative workshop was organized at JIPMER, with twin projections. An impressive list of complex cases was carried out by an equally impressive and expert faculty from all over the country including Prof Ashley D’Cruz (Narayana Hrudayalaya) from Bangalore, Prof Bhatnagar (AIIMS) from New Delhi, Prof Mohan Abraham (Armita Institute of Medical Sciences, Kochi) and Prof Rajamani (Coimbatore Medical College), Prof Ashish Wakhlu (KGMC) from Lucknow.

About 44 papers were presented in various sections of pediatric surgical oncology, pediatric urology, pediatric thoracic, pediatric GI sections, three panel discussions and two orations took place over a period of two and half days. Another highlight of the conference was the opportunity TPPS gives the MBBS students to present the results of their research at the annual conference, with prizes being awarded for the best papers. Of the nine papers presented from various institutions JIPMER students bagged all the three prizes including the Gnanaseelan Award!

The conference was organized with Dr Kumaravel as the organizing secretary, Dr Jindal as treasurer and Dr Krishnakumar and Dr Bikash as joint secretaries.

Conference and CMEs Attended by Faculty:

Dr. Ashok Rijhwani

- Attended the LIFE conference 2014 at Bangalore on 1-11-2015
- Attended and actively participated in the 9th Annual Conference of IAPS- Karnataka state chapter PESUCON at Bangalore from 18-12-2014 to 23-12-2014
- Attended and actively participated in the Master Class in Liver Disease at Bangalore from 27-01-2015 to 01-02-2015
- Attended and actively participated in the 5th National Hands on workshop on diagnosis of Hirschsprung’s disease and allied disorders at Bangalore from 19-02-2015 to 23-02-2015
Dr. Kumaravel.S

- Attended and actively Participated in the Ped Uro Con 2014 at Bangalore from 30-7-2014 to 04-8-2014
- Attended and actively Participated in the Pediatric Solid Tumors - Books to bedside conference at Mumbai from 04-12-2014 to 07-12-2014
- Invited as Faculty and chaired a session on Germ Cell Tumors in children at the Pediatric Solid Tumors - Books to bedside conference at Mumbai from 04-12-2014 to 07-12-2014
- Attended and actively Participated in the ISMPOCON at Kolkata from 25-12-2014 to 29-12-2014
- Attended and actively Participated in the PESI-IAPSCON 2015 at Jaipur from 26-02-2015 to 03-03-2015

Dr. Bibekanand Jindal

- Attended and actively participated in the 3rd Annual Conference Delhi chapter IAPS & CME in Pediatric Surgery at New Delhi from 05-9-2014 to 09-09-2014
- Attended and actively participated in the SGPGI Pediatric Urology Update and Workshop at Lucknow on 02-02-2015 to 06-02-2015.
- Attended and actively participated in the Master Class in Pediatric Surgical Oncology 2015 at AIIMS, New Delhi from 23-2-2015 to 27-2-2015
- Attended and actively participated in the PESI-IAPSCON 2015 at Jaipur from 26-02-2015 to 01-03-2015

Dr. Krishnakumar

- Attended and actively participated in the Pediatric Urology Course at Chennai from 19-04-2014 to 21-04-2014
- Chaired session on fecal incontinence in the course Benign anorectal Disorders conducted by Department of Surgical Gastroenterology, JIPMER from 18-07-2014 to 19-07-2014
- Chaired session in Ostomy care conducted by Department of Surgical Gastroenterology, JIPMER on 08-09-2014
- Attended and actively participated in Indian Association of Paediatric Surgeons at Ooty from 08-10-2014 to 14-10-2014
- Attended the SNMICCON-2014 at Kolkata from 10-12-2014 to 16-12-2014 and participated as faculty in symposium on “consensus on antenatally diagnosed hydrenephrosis”
- Attended and actively participated in the Operative workshop surgery on Exstrophy at Ahmedabad from 15-01-2015 to 20-01-2015
- Attended and actively participated in the SGPGI Pediatric Urology Update and Workshop at Lucknow from 02-02-2015 to 06-02-2015
- Attended and actively participated in the Advanced Trauma Life support (ATLs) Providers Course at JIPMER, Puducherry from 12-03-2015 to 14-02-2015

Dr. Bikash Kumar Naredi

- Attended and actively participated in the life conference 2014 at Bangalore on 01-11-2015
• Attended and actively participated in SGPGI Pediatric Urology Update at Lucknow from 01-02-2015 to 06-02-2015
• Attended and actively participated in the Masterclass in Pediatric Surgical Oncology 2015 at New Delhi from 23-02-2015 to 28-02-2015
• Attended and actively participated in the 10th Annual PESI-IAPSCON at Jaipur from 26-02-2015 to 03-03-2015
• Mentor for M.Ch. Poster presentation in IAPS 2014 ‘Progressive Lymphangiomatosis’ - Case report
• Mentor for M.Ch. Poster presentation in TPPS 2014 ‘Wilms’ tumour in Duplex ’ - Case report
• Mentor for M.Ch. Poster presentation on ‘Laparoscopic Assisted Anorectal Pullthrough for Rectovaginal Fistula in PESI- IAPS 2015 Jaipur ’ - Case report

**Clinical / Research Projects:**

**Dr. Kumaravel – Research Projects on**

1. Hypertension in pediatric congenital anomalies of Kidney and urinary Tract (CAKUT)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
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<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr.Krishnakumar</td>
<td>Pilot project on correlation of US,NM, Histology with OP findings in PUJO Obstruction in Children</td>
<td>2014-16</td>
<td>-</td>
<td>Nuclear Medicine Radiology Pathology</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

Dr. Bikash Kumar Naredi - Uroflowmetry nomogram for healthy south Indian children between 3-12 years of age (completed)

**Publications:**

A. Journals

Dr. Bibekanand Jindal – Reviewer of the Indian Journal of Pediatric and BMJ Case report

Patient Care Services:

The Department of Paediatric Surgery, at present has a 16 bedded general ward, four bedded pay ward and a four bedded burns ward. We also run a Paediatric Surgical ICU with facilities for accommodating up to 6 neonates. The Department runs Out Patient Services on all six (working) days of a week with an average attendance of 90 patients (35 new patients and 55 follow up patients) per day. We are performing 110 minor procedures per month on an average (Prepuceal adhesiolysis, vaginal synechiae release, incision and drainage of abscess, anal calibrations, dilatations, circumcisions, lymphnode biopsies) in the minor OT. We have carried out 999 major & minor surgeries (754 elective surgeries and 245 emergencies) last year.

Newer Services: With the improvement in our endoscopic equipment, major laparoscopic procedures have been started for children. For the first time in Pondicherry UT completely THORACOSCOPIC diaphragmatic repair was carried out in a child. Completely LAPAROSCOPIC colorectal surgeries have also been started on a routine basis. More complex surgeries for malignancies are being carried out, for which referrals from several other cities are now being obtained. Implantable port insertion, to enable delivery of protracted chemotherapy courses, has been successfully commenced and continuing on a regular basis.

Awards, Honors and Other Personal Achievements:

Dr. Ashok Rijhwani

Presented paper on “Precocious Puberty due to Leydig cell tumor in a child with Penoscrotal hypospadias – rare association

Dr. Kumaravel

1. Presented at CCPS Chennai on “Laparoscopic reimplantations for vesico ureteric reflux”
2. Presented on “IVC thrombus in Pediatric Renal tumors- Evaluation and management of the spectrum – A case series and review of literature” at the ISMPOCON at Kolkata from 25-12-2014 to 29-12-2014
3. Presented two papers at PESI-IAPSCON 2015 at Jaipur from 26-02-2015 to 01-03-2015
   a) Two Port Technique of Per-operative Cholangiogram For Neonatal Cholestasis - A Simple Effective Low Morbidity Procedure
   b) “Laparoscopic Duplex System Reimplantation for High Grade Vesico Ureteral Reflux”

Dr. Bibekanand Jindal

2. Presented Paper on ‘laparoscopy assisted posterior sagittal excision of neuroblastoma’ and ‘laparoscopy assisted anorectal pull through(LAARP) for ARM, learning experience and complications’ at PESI-IAPSCON 2015 at Jaipur from 26-02-2015 to 01-03-2015
Dr. Krishnakumar

- Joint secretary in the thirteenth annual conference of Tamilnadu and Pondicherry (TPPS) chapter of Indian association of pediatric surgeons organized at JIPMER
- Dr. Krishnakumar as Co-guide -Ms. Jyotsana Sharma “Ectopic Thyroid in Children” won the Gnanseelan Prize in POPSCON 2014
- Dr. Krishnakumar as Co-guide - Ms. Ragasudha.R “Use of PAT score in Pain assessment in Neonates” won IInd Prize in POPSCON 2014

Dr. Bikash Kumar Naredi

1. Co-author in best poster awarded to resident at IAPS Delhi 2014 annual conference.
2. Started urodynamic lab in dept. with help of HOD and other consultant

Administration, Patient Care, Educational, Research and Other Assignments

Dr. Ashok Rijhwani

1. Race Director and organizer for the Mini-marathon that was part of the JIPMER Golden Jubilee Celebrations in July, 2014.
2. Participated and successfully completed marathon races at the following events.
   1. Bangalore International Marathon (42.2 Km) in October 2014
   2. Bangalore Midnight Marathon (21.1 Km) in December 2014
   3. Standard Chartered Mumbai Marathon (42.2 Km) in January 2015
   4. Auroville Marathon (42.2 Km) in February 2015

Dr. KrishnaKumar

1. Course Co-ordinator for BSc. OTT.(Vth semester)
2. Teaching MSc Neonatology , Diploma in Theatre Technology & Pediatric Nursing students.

Dr. Bikash Kumar Naredi

1. Member of CSSD Purchase committee
2. Managing Urodynamic lab of pediatric surgery
3. Routine Paediatric surgery OPD, OT and ward round.
4. Consultant on call for emergency cases
5. Teaching UG, PG, B. Sc and M.Sc nursing, one of Resource person for laparoscopic course organizing by Surgical Gastro

Significant Events in the Department:

Starting of Advanced Laparoscopic and thoracoscopic services.

Successfully obtained the bid to conduct the 13th Annual Conference of the TPPS Chapter of IAPS and A National level Live Operative Workshop on “Pediatric Colorectal Surgical Disorders”
DEPARTMENT OF PEDIATRICS

Faculty List:

Professor : S. Mahadevan (Head)
Niranjan Biswal

Associate Professors : P. Narayanan
Sriram Krishnamurthy
Reena Gulati
J. Barath

Assistant Professors : C. Venkatesh
R. Ramesh Kumar
C.G. Delhi Kumar
Renitha Raghavan

Background Information of the Department

The Department of Paediatrics is housed in the JIPMER Women and Children Hospital. The daily outpatient attendance averages around 200. The Department runs specialty clinics in Child Neurology, Child Psychiatry, Tuberculosis and Infectious Diseases, Pediatric Nephrology, Asthma, Cardiology, Genetic counseling, Hematology, Gastroenterology, Endocrinology and HIV. The Pediatric ICU has 19 beds and 13 ventilators.

The department has a regular teaching program for undergraduate (M.B.B.S) and post graduate (M.D) students, as well as a PhD program in Pediatrics. The department also runs a DM program in Pediatric Critical Care and Emergency w.e.f. 2015 January with intake of two students per year.

Research on health issues with a crying need at the regional and national level is the priority of the department. The department is committed to improve child health care through excellence in patient care, teaching and research. The department has published more than 150 scientific papers in the last 5 years in indexed journals of national and international repute.

Educational Courses

Undergraduate Courses
The undergraduate teaching of the department comprises of M.B.,B.S. course (2 batches). The number of students in fourth and fifth semester is 161, while in eighth and ninth semester, the number is 90.

Postgraduate Courses
M.D (Pediatrics) - 9 students per academic session (i.e. every 6 monthly).

Higher speciality courses
D.M (Pediatric Critical Care)- 2 students per year.
Research Courses

PhD in Pediatrics - 2 seats per academic year

Other courses:

Fellowship course in Paediatric Critical Care and Emergency – 2 seats per academic year.

Conferences and CMEs Organized by Department

- Prof S Mahadevan, Dr P. Narayanan and Dr R Ramesh Kumar organized the 1st American Heart Association (AHA) Pediatric Advanced Life Support (PALS) course from 21.6.2014 to 22.6.2014
- Prof S Mahadevan and Dr Ramesh Kumar organized the 1st Basic/ Advanced Pediatric Neonatal Life support (PNLS) course for interns from 2.01.2015 to 3.1.2015
- Prof S Mahadevan, Dr P. Narayanan and Dr R Ramesh Kumar organized the 2nd American Heart Association (AHA) Pediatric Advanced Life Support (PALS) course from 9.1.2015 to 10.1.2015.
- Prof S Mahadevan and Dr R Ramesh Kumar organized the 3rd American Heart Association (AHA) Pediatric Advanced Life Support (PALS) course from 28.2.2015 to 01.3.2015.

Conferences and CMEs Attended by Faculty

Dr. S. Mahadevan

1. Attended the 16th National conference of pediatric critical care (NCPCC) at New Delhi as a delegate from 6.11.14 to 9.11.14
2. Attended the 1st Pediatric critical care CME & Dr Mehta’s oration at Chennai as an invited faculty on 16.11.14
3. Attended the 1st Mumbai Criticon 2014 at Mumbai, as a delegate, from 15.11.2014 to 16.11.2014.
4. Attended the 7th National Assembly on Pediatric Emergency Medicine at Coimbatore as a delegate, from 20.02.2015 to 22.02.2015.
5. Attended the 21st annual conference of Indian society of critical care medicine (Criticare 2015), at Bangalore as an invited faculty from 04.03.2015 to 08.03.2015.

Dr. Niranjan Biswal

Attended the First meeting of the Task force for Rheumatic Heart disease prevention and control (organized by Directorate General of Health Services, Government of India) as invited nominee on 10.2.2015 at New Delhi.

Dr. P. Narayanan

1. Delivered two lectures as faculty in the 3rd annual state conference of intensive care chapter of IAP Kerala (Criticare Kerala 2014) in Calicut on 8th June 2014
2. Attended the Workshop on Paediatric mechanical ventilation at SRMC, Chennai, as faculty from 11th – 13th July 2014.
3. Attended the 22nd Cochrane colloquium at Hyderabad from 20-9-2014 to 26-9-2014, as delegate.
4. Attended the 44th annual congress of Society of Critical Care Medicine (SCCM) at Phoenix,
Arizona in USA from 17-20th January 2015 as a delegate and presented a poster titled “Procalcitonin guided antibiotic therapy in the PICU – A randomized controlled trial”.

5. Attended the workshop on critical care ultrasound- pediatric during the 44th annual congress of Society of Critical Care Medicine (SCCM) at Phoenix, Arizona in USA, as a delegate, from 21-22nd January 2015

Dr. Sriman Krishnamurthy

1. Attended the XII Asian Congress of Pediatric Nephrology from 4-6 December 2014 at New Delhi, as Faculty, and chaired a session on ‘Disorders of Phosphate Balance.’

2. Presented a poster entitled ‘Russell viper envenomation-associated acute kidney injury in children in south India: A prospective observational study’ at the XII Asian Congress of Pediatric Nephrology from 4-6 December 2014

3. Presented a poster entitled ‘Clinical characteristics and outcome of post-infectious glomerulonephritis in children in south India’ at the XII Asian Congress of Pediatric Nephrology from 4-6 December 2014

Dr. Reena Gulati


2. Attended a seminar on Grantsmanship, RePORT, India, held at JIPMER, Puducherry, on 10.5.2014.

3. Attended as a delegate and presented a paper at 3rd Kawasaki disease Summit & 12th national Conference of Pediatric Rheumatology society at PGIMER, Chandigarh on 31.10.2014 to 2.11.2014


5. Attended the 41st National conference of association of Clinical biochemists of India as a guest speaker and delivered two lectures, at AIIMS, Jodhpur from 10.12.2014 to 13.12.2014.

6. Attended the 3rd International Conference on Primary immune deficiency disorders, held at Chennai, from 21.02.2015 to 23.02.2015, as a delegate.

7. Attended the 5th Congress of the European Academy of Paediatric Societies, held at Barcelona, Spain from 17.10.2014 to 21.10.2014, as a delegate and presented a research paper.

Dr. J. Barath

1. Presented a paper and secured first prize in oral paper presentation (gastroenterology) on “Randomized double blinded comparison between propofol-ketamine and propofol fentanyl combinations for sedation during pediatric esophagoduodenoscopy” in the 1st national conference of Indian society of Pediatric Gastroenterology, Hepatology and Nutrition (ISPGHAN) held in Kochi between 19th to 21st of September 2014. Presented by postgraduate student Dr. Rumesh Chander (research project done as part of postgraduate dissertation)

2. Delivered a lecture, as an invited faculty, on ‘Clinical diagnosis of upper GI bleeding in children in the emergency room’ in the endoscopy workshop of the 1st national conference of Indian society of Pediatric Gastroenterology, Hepatology and Nutrition (ISPGHAN) held in Kochi on 19th September 2014
3. Delivered a lecture, as an invited faculty, on ‘Medical management of acute and chronic corrosive ingestion in children’ in the 1st national conference of Indian society of Pediatric Gastroenterology, Hepatology and Nutrition (ISPGHAN) held in Kochi between 19th to 21st of September 2014

4. Delivered a lecture, as an invited faculty, on ‘GI bleeding in children in JIPMER’ in a CME on gastrointestinal bleeding held under the aegis of Indian association of surgical gastroenterology on the 17th of August 2014.


6. Attended the Hands on Vet lab workshop sessions held at Endoscopy Gurukul in ISGCON 2014 (National conference of the Indian society of gastroenterology) held between 19th and 23rd December of 2014 in Mumbai.


8. Attended the workshop on basic biostatistics sponsored by SGPGIMS, Lucknow and National Institutes of Health, Bethesda, USA held at Lucknow between 17th to 20th of July 2014

**Dr. C. Venkatesh**

1. Attended the National consortium on Emerging trends in Early Childhood Care & Development (0-6) organized by department of social work, Pondicherry University, held at Puducherry on 5.4.2014, as a delegate.

2. Attended the 2nd orientation workshop on epidemiology, organized by Dept of Preventive and Social Medicine, held at JIPMER, Puducherry, as a delegate from 26.6.14 to 27.6.14.

3. Attended the workshop on animal and lab experimentation, held at JIPMER on 31.07.2014 as a delegate.

4. Attended the workshop on good clinical research practice, organized by department of Pharmacology, JIPMER, Puducherry, as a delegate, from 22.8.14 to 23.8.14.


6. Attended the workshop on research grant proposal writing, organized by department of Pediatrics, JIPMER, as a delegate, from 24.10.14 to 25.10.14.


**Dr. R. Ramesh Kumar**

1. Attended the 7th world congress on pediatric intensive and critical care (PICC) 2014, held at Istanbul, Turkey, from 4.05.2014 to 07.05.2014, as a delegate and presented 5 research papers (one oral and four posters).


4. Attended the workshop on workplace based assessment, held at JIPMER, Puducherry, as a delegate, on 19.7.2014.

5. Attended the workshop on animal and lab experimentation, held at JIPMER, Puducherry, as a delegate on 31.07.2014.

6. Attended the eighth Annual Indian Society of Toxicology Conference 2014, as an invited faculty, held at JIPMER, Puducherry, from 9.08.2014 to 10.08.2014.


8. Attended the workshop on research grant proposal writing, organized by department of Pediatrics, JIPMER, as a delegate, from 24.10.14 to 25.10.14.

9. Attended the 5th short course on basic epidemiology, as a delegate, conducted by department of preventive and social medicine from 10.11.2014 to 15.11.2014.

10. Attended the 16th national conference of pediatric critical care (NCPCC) at New Delhi as an invited faculty from 6.11.14 to 9.11.14

11. Attended the 1st Pediatric critical care CME & Dr Mehta’s oration at Chennai as invited faculty on 16.11.14

12. Attended the 21st Annual conference of Indian society of critical care medicine (Criticare 2015), at Bangalore as an invited faculty from 04.03.2015 to 08.03.2015.

13. Short course in biostatistics – statistical computing using R, held at CMC Vellore, as a delegate from 26.03.2015 to 28.03.2015.

**Dr C.G. Delhi Kumar**

1. Attended the orientation workshop on epidemiology on 29 to 30th May 2014 organized by department of preventive and social medicine, JIPMER, Puducherry.

2. Attended the orientation workshop on animal and lab experimentation on 30th June held at JIPMER, Puducherry.


**Dr Renitha Raghavan**

Attended the Child Neurocon, held at Hotel Hindustan international, Kolkata, as a delegate from 19.02.2015 to 22.02.2015.
## Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Niranjan Biswal</td>
<td>Outcome of yellow phosphorus poisoning treated with exchange transfusion in children</td>
<td>2012-2014</td>
<td>-</td>
<td>-</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr. P. Narayanan</td>
<td>Procalcitonin guided antibiotic therapy in pediatric intensive care patients – a randomized control trial</td>
<td>2011-2014</td>
<td>Intramural Research Grant from JIP-MER: Rs. 2,00,000 for two years</td>
<td>Biochemistry</td>
<td>Completed</td>
</tr>
<tr>
<td>3</td>
<td>Dr. P. Narayanan</td>
<td>Predictors of survival in children undergoing intubation in the pediatric emergency - A pilot study</td>
<td>2012-14</td>
<td>-</td>
<td>-</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>Dr. P. Narayanan &amp; Dr. Gnanou Florence Sudha</td>
<td>Noninvasive prognosis of dengue</td>
<td>2014-2016</td>
<td>DST funded for 12 lakhs</td>
<td>-</td>
<td>Ongoing</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Sriram Krishnamurthy</td>
<td>Profile and follow-up of snake envenomation-associated acute kidney injury in children</td>
<td>2012-15</td>
<td>-</td>
<td>Biochemistry</td>
<td>Completed</td>
</tr>
<tr>
<td>6</td>
<td>Sriram Krishnamurthy</td>
<td>Clinico-histopathological correlation in children with nephrotic syndrome undergoing renal biopsy</td>
<td>2014-17</td>
<td>-</td>
<td>Pathology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Project Title</td>
<td>Duration</td>
<td>Funding Details</td>
<td>Status</td>
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<tr>
<td>7</td>
<td>Dr. Reena Gulati</td>
<td>Screening for alpha thalassemia gene mutations in Pondicherry – a pilot study</td>
<td>2011-2014</td>
<td>Intramural Research Grant from JIP-MER: Rs. 2,00,000 for two years</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Dr. Reena Gulati</td>
<td>Evaluation of children with hypothyroidism by Scintigraphy</td>
<td>2012-2015</td>
<td>-</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Dr. Reena Gulati</td>
<td>Molecular studies on Down syndrome children with atrio-ventricular septal defect</td>
<td>2011-2014</td>
<td>-</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Dr. Reena Gulati</td>
<td>“Hospital admissions, morbidity and mortality in children with Down Syndrome- a descriptive study”</td>
<td>2012-2015</td>
<td>-</td>
<td>Ongoing</td>
<td></td>
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<tr>
<td>11</td>
<td>Dr. Reena Gulati</td>
<td>“Study on HLA G and E in patients with Juvenile Idiopathic arthritis”</td>
<td>2013-2016</td>
<td>-</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Dr. Reena Gulati</td>
<td>Study on genome wide analysis of sub-microscopic genetic aberrations in children with idiopathic intellectual disability/multiple congenital anomalies.</td>
<td>2014-2017</td>
<td>DBT Rs. 48.55 lakhs SGP GIMS, Lucknow</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Dr. J. Barath</td>
<td>Hospital based sero-prevalence of Hepatitis E viral infection in children from Pondicherry</td>
<td>2012-2014</td>
<td>Intramural Research Grant from JIP-MER: Rs. 1,00,000</td>
<td>Ongoing</td>
<td></td>
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<tr>
<td>No.</td>
<td>Name</td>
<td>Title</td>
<td>Duration</td>
<td>Funding</td>
<td>Status</td>
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<tr>
<td>14</td>
<td>Dr R Ramesh Kumar</td>
<td>Randomized comparison of standard dose versus low dose intravenous insulin infusion in treatment of children with diabetic ketoacidosis</td>
<td>01.10.2014 to 01.10.2017</td>
<td>ICMR Accepted the pre-proposal concept INR 3.2 lakhs</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Dr R Ramesh Kumar</td>
<td>Clinical profile of diabetic ketoacidosis in a tertiary care pediatric intensive care unit in south India- a retrospective multicenter observational study</td>
<td>2014-15</td>
<td>SRMC, Chennai, Mehta Children Hospital, Chennai, St John’s Medical College, Bangalore</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Dr R Ramesh Kumar</td>
<td>Profile of health care associated infections in Pediatric Intensive Care Unit in JIPMER – A record based study of prospectively collected data</td>
<td>2014-15</td>
<td>-</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Dr R Ramesh Kumar</td>
<td>Histopathological changes of septic acute kidney injury in children: An analytic observational study of postmortem renal biopsies</td>
<td>2014-15</td>
<td>-</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Dr R Ramesh Kumar</td>
<td>Histopathological changes of septic acute kidney injury in children: A prospective observational analytical study of postmortem renal biopsies</td>
<td>2014-17</td>
<td>-</td>
<td>Ongoing</td>
<td></td>
</tr>
</tbody>
</table>
7. Publications

**A. Journals**


B. Books:

Nil

C. Book Chapters


**Patient Care Services**

**A. Clinical services**

The daily outpatient attendance in the Department averages around 200. The Department runs specialty clinics in Child Neurology, Child Psychiatry, Tuberculosis and Infectious Diseases, Pediatric Nephrology, Asthma, Cardiology, Genetic counseling, Hematology, Gastroenterology, Endocrinology and HIV. The Pediatric ICU has 19 beds and 13 ventilators.

**B. Laboratory services**

Department side laboratory caters to all basic investigations including routine hemograms and urine examination of all inpatients.

**Awards, Honours and Other Personal Achievements**

1. Dr C Venkatesh was awarded Membership of National Academy of Medical Sciences (MNAMS) in August 2014.

2. Dr R Ramesh Kumar was awarded Fellowship for Best Scientific Research Paper – Awarded by Internal Sepsis Forum (ISF) – to attend the 8th SEPSIS conference – Paris – 2014, France.

3. Dr R Ramesh Kumar was awarded Travel Fellowship for Best Scientific Research Paper – Awarded by DST, New Delhi for Internal Sepsis Forum (ISF) 8th SEPSIS conference – Dec, 2014, Paris, France.

4. Dr R Ramesh Kumar was awarded Best research paper (First prize – poster) – Awarded by 16th National Conference of Pediatric Critical Care (NCPCC), Nov, 2014 – New Delhi, India.

5. Dr R Ramesh Kumar was awarded Travel Fellowship for Best Scientific Research Paper – Awarded by ICMR, New Delhi - 7th Pediatric Intensive and Critical Care Congress (PICC) by WFPCCS – May, 2014, Istanbul, Turkey.

**Administrative, Patient Care, Educational, Research and Other Assignments**

**S. Mahadevan**

- Dean (Academic), JIPMER.
- Guided MD dissertation entitled “Predictors of outcome in scorpion sting envenomation” which was submitted in August, 2014.
- Member of National Taskforce on Snake bite management (GOI and ICMR)
- National Consultant for Wilderness and Environmental Medicine, Stanford University, USA
- Dean, School of Medicine, Pondicherry University
Nirajan Biswal
1. Life member in Pediatric infectious disease chapter of the Indian Academy of Pediatrics
2. Appointed as Member in Purchase committee of JIPMER
4. Appointed as Medical Council of India inspector
5. Member of Task force for Rheumatic Heart disease prevention and control (organized by Directorate General of Health Services, Government of India).

P. Narayanan
1. Management of children in PICU and Paediatric Emergency
2. Management of children attending the paediatric cardiology follow up clinic
3. Faculty for MD in Emergency Medicine
4. Faculty for Interns and PG orientation programme by NTTC
5. Purchase of consumables and equipments in the department
6. Group Leader of JIPMER quality council

Sriram Krishnamurthy
2. Deputy Warden of Osler House (MBBS boys hostel)
3. External Examiner for MBBS examinations
   Madras Medical College, Tamil Nadu MGR Medical University (March 2015)
   Pondicherry University (April and December 2014) (Theory)
4. In charge of the Pediatric Nephrology Clinic at JIPMER

Dr. Reena Gulati
2. Member of JIPMER Quality Council as Quality Councilor
3. Member of JIPMER Counselling Committee
4. In charge of the Genetic Clinic and Genetic Counselling Clinic at JIPMER

Dr. J. Barath
1. Guided and submitted a post-graduate thesis on ‘Randomized double blinded comparison between propofol-ketamine and propofol fentanyl combinations for sedation during pediatric esophagoduodenoscopy’ (submitted in August 2014)
2. Performed 500 upper gastrointestinal endoscopy procedures during the year 2014-15

**Dr. C. Venkatesh**

1. Setting up of a follow-up clinic for Childhood Asthma and running it since May 2014
2. Setting up spirometry lab in JWCH and running it since May 2014
3. Academic co-ordinator for Diploma Hearing Language and Speech Pathology students for 2014
4. Academic co-ordinator for Bachelor in Audiology and Speech Language Pathology program since March 2015
5. Member, JIPMER Women and Children’s Hospital Administrative Group since 2014
6. Departmental co-ordinator for college round IAP UG and PG Pediatric quiz program, 2014

**Dr. R. Ramesh Kumar**

1. Faculty Academic Affairs: Active member in the Faculty Academic Affairs involving various tasks completion as assigned by Dean (Academics) at time to time.
2. Faculty for Research Mentorship Program for Undergraduates (RMPU).
3. Coordinator for the Modular Teaching program for 6th and 7th Semester UG students.
4. External Examiner for Post-Doctoral Fellowship in Pediatric Emergency Medicine by Dr MGR Medical University at Kanchi Kamakoti Child Trust hospital, Chennai, on 03.07.2014.
5. Introduction of Multidisciplinary (Faceted) approach in PICU to control the Healthcare Associated Infections (HAI).
7. Streamline of protocol based standard of care for patients management in Pediatric Emergency Room and PICU including PICU high risk follow-up clinic.
8. Home Ventilator Concept: First patient in JIPMER PICU discharged on home ventilator after 15 months stay in the PICU on 24th February 2015. Successfully completed 35 days of home ventilation without any complications.
9. As a Faculty in the Health Camp held at Thiruchitrambalam on 16.08.2014.

**C.G. Delhi Kumar**

- In charge of Pediatric hematology clinic (started in July 2014).

**Renitha Raghavan**

- Faculty in Pediatric Neurology Clinic and Pediatric Endocrine Clinic

**Significant Events in the Department**

- Dr S. Mahadevan assumed charge as Head of the Department w.e.f 1.12.2014
- DM (Pediatric Critical Care) was started in January 2015.
Background Information of the Department

The department of Pathology started way back at the inception of JIPMER. It was headed by stalwarts like Dr. DJ Reddy, Dr. AL Arora, Dr. AJ Veliath, Dr. Kamala Chandra and Dr. Malati Madhavan. Over the years, it has developed into a multidisciplinary department with a well-developed undergraduate and postgraduate teaching. Among the various activities of this department (apart from teaching), able patient care service delivery, research and role of faculty in other corporate activities are but just the tip of the iceberg. There has been a constant growth in workload of the department with a consistent improvement in terms of quality, efficiency, efficacy and effectiveness as well as, the stakeholder experience. The department has a robust system of providing accurate reports with the reviewing faculty in each subspecialty. As an extension of the patient care service, the department conducts the regular weekly/fortnightly faculty meetings with the departments of Medical and Surgical Oncology, Pediatric Surgery, Orthopaedics, Clinical Hematology, Nephrology, Neurosurgery and Dermatopathology. It also extends the referral services for cancer diagnosis in and around Puducherry, and also, community service to PHC for screening cervical cancer. Regular research activities are held in the form of short term ICMR projects, dissertations and funded projects, and the research work is being presented at regional, national and international forums, and also published in peer reviewed national and international journals. During the current year the Junior and Senior Residents of the department, along with the faculty, took active part in the academic activities by presenting a total 18 papers at various regional and national conferences. As in the previous years, the faculty of the department played an active role in the medical education and JIPME Quality Council (JQC). The department has collaborations with the Columbia University by ISN-Institute programme and a multicenter projects by AIIMS, New Delhi and IIPH Delhi, PHFI supported by ministry of Health and family welfare New Delhi.

DEPARTMENT OF PATHOLOGY

Faculty List :

Professor& Head : Dr. Bhawana Ashok Badhe

Professors : Dr. Surendra Kumar Verma
Dr. N. Siddaraju
Dr. Debdatta Basu

Associate Professors : Dr. Rakhee Kar
Dr. Pampa Ch Toi
Dr. Rajesh NG
Dr. Sajini Elizabeth Jacob

Assistant Professors : Dr. BH Srinivas
Dr. Adarsh Wamanrao Barwad
Dr. Srirekha Jinkala
Dr. Debashish Gochait
Educational Courses

Undergraduate courses
1. MBBS
2. B.Sc. (MLT)
3. B.Sc. Nursing
4. B.Sc. Operation theatre technology
5. B.Sc. Dialysis technology
6. B.Sc. Perfusion technology
7. B.Sc. Medical Records technology and
8. B.Sc. Neurotechnology

Postgraduate courses
1. M.D. (Pathology)
2. M.Sc.(MLT) Cytopathology

Research Courses
1. PhD

Conferences & Continuing Medical Education Programmes organized by the department
1. Intradepartmental CMEs on various topics were conducted. On 27th September 2015, a CME on Pragmatic approach to immunohistochemistry was organized. The sixth Intradepartmental CME on “Bone marrow and trephine biopsy interpretation” was held on 29-11-2014. Marking the success of the fifth Intradepartmental CME a “Concise Handbook on Immunohistochemistry profile In Malignant Neoplasms” was released by Dr. Bhawana Badhe, HOD, Department of Pathology.

2. The Department of Pathology, JIPMER under the aegis of Tamil Nadu and Pondicherry Chapter of Indian Association of Pathologists and Microbiologists organized a one day CME on “Gastrointestinal & Hepatic Pathology” on 7th February at JIPMER. Three faculty members from the department gave talks. Dr. N. Siddaraju spoke on “Role of brush cytology in upper gastrointestinal lesions”, while Dr. Surendra Kumar Verma spoke on “Cytology of the hepatobiliary tract malignancies. Dr. Debdatta Basu spoke on “Interpretation of liver biopsy in Neonatal Cholestasis and Biliary atresia”.

Conferences & Continuing Medical Education Programmes attended by faculty
Dr. Bhawana A Badhe
1. Attended and chaired a session on Perinatal pathology in FEMPO (Foetal Medicine for Practicing Obstetricians) held at JIPMER on 6.4.2014
2. Organized intradepartmental CME on “A programmatic approach to Immunohistochemistry on 27.09.2014 JIPMER
3. Organized Intra departmental CME on Bone Marrow Trephine biopsy interpretation on 29th Nov. 2014
4. Attended as a faculty, the 1st JOBS conference and regional CME of ABSI 2014 from 18th and 19th October 2014 and chaired a session on “Assessment of margins in Oncoplastic Breast Surgery”.

5. Organized a CME on “Gastrointestinal and Hepatic Pathology” on 7th February, 2015.

6. Attended as faculty for “Current concepts in molecular diagnosis 1.11.2014” at Madras Medical College, Chennai.

7. Attended as faculty for “Workshop and hands on training fluorescent in situ hybridization (FISH) as an emerging tool in diagnosis” from 2.11.2014 to 3.11.2014.

8. Attended as guest faculty in the “Sri Ramachandra Pathology Annual Rapid Review Course (SPAARC) programme held between 5th to 10th January, 2015, at Sri Ramachandra Medical College and Research Institute (SRMC& RI), Chennai, where she conducted two sessions of “Hematology Slide Seminar”.

Co-authored 6 papers presented at various conferences.

Dr. Surendra Kumar Verma

1. Attended the conference organized by the Indian Society of Neurooncology (ISNO) at SGPGIMS, Lucknow from 11th to 13th April 2014 and chaired a session on ‘Molecular markers of glioblastoma multiforme (GBM)’. He also attended a CME on ‘Recent trends in stroke intervention’ organised by IMA and the department of Neurology and Neurosurgery on 29th June 2014 at JIPMER. On 2nd June 2014, he delivered a guest lecture on ‘Cytopathological approach to thyroid tumours’ at Maharani Lakshmi Bai Medical College, Jhansi (Bundelkhand University).

2. Attended International CME & Annual Conference in Renal Pathology held at JSS Medical College, Mysore from August 1st to 3rd 2014.

3. Delivered a guest lecture on “Pathophysiology of Wound Healing” in the “Wound Care Con – 2014” held at Delhi from 12th to 14th September, 2014 and also chaired a session. He was elected as an Executive council member for Indian Society of Wound Care and Research.

4. Attended 27th Annual Conference and International CME on Innovations in Atherosclerosis and Cardiac Diseases of Indian Society of Atherosclerosis Research, India (ISARCON) from 25th to 29th November, 2014. As the National Secretary of ISARCON, he presided over the inaugural function and delivered a guest lecture titled “Metabolomics and Disease”.

5. Attended the 4th Official language Conference of HLL and Life Care Ltd., at Trivandrum on 29th and 30th December.

6. Chaired a session on “Tumor Biology and Management of Glioma” at ISNOCON - 27th to 29th March - Cochin, Kerala, India.

7. Co-authored 4 papers presented at various conferences.

Dr. N. Siddaraju

1. Attended a ‘Workshop on Text Book Writing’ held at JIPMER on 7th November, 2014.

2. Participated in the 44th Annual Conference of Indian Academy of Cytologists held at Government Medical College, Kota, Rajasthan from 13th November to 16th November (CYTOCON-2014); Judged an oral paper session; presented an oral paper; co-authored 3 papers, one of which won the ‘Best Oral Paper Award’. Also attended JOC (journal of Cytology) meeting and IAC (Indian
Academy of Cytologists) meeting as an Editorial board member and Executive committee member respectively.

3. Chaired a session in the Pre-conference CME on ‘Ancillary Techniques in Cytology’.

4. Attended the ‘Post Conference Workshop’ on ‘Thoracic Cytology’


6. Attended intradepartmental CME on ‘Bone marrow and trephine biopsy Interpretation’.

7. An invited speaker at the 3rd IAC-KC-CON 2014, held at Vijayanagar Institute of Medical Sciences, Bellary, Karnataka on 2015 and -2015. He conducted a slide seminar on “Fluid Cytology”.

8. Attended as a guest faculty in the “Sri Ramachandra Pathology Annual Rapid Review Course (SPAARCC) programme held between 5th to 10th January, 2015, at Sri Ramachandra Medical College and Research Institute (SRMC& RI), Chennai, where he conducted two sessions of “Cytology Slide Seminar”.

9. Part of the organizing Committee of CME (Co-ordination Committee) on Gastrointestinal and Hepatobiliary Pathology. He delivered a guest lecture on “Role of Brush Cytology in Upper Gastrointestinal Lesions” in the “CME on Gastrointestinal & Hepatic Pathology” held on 7th February, 2015.

10. Delivered a guest lecture on “Fine Needle Aspiration Cytology of Thyroid” in the CME programme conducted at MVJ Medical College & Research Hospital, Hoskote, Bangalore, on 28th February, 2015. In the same CME, he also participated as a faculty in a panel discussion on “Neuroendocrine Tumors”.

Dr. Debdatta Basu

1. Was awarded the MR Parthsarathi and AV Ramprasad Oration at the 41st Annual Conference of Karnataka Chapter of Indian Association of Pathologists and Microbiologists (KCIAPM) held at Bangalore on 6th September 2014. He spoke on “Diagnostic Approach to Non-Hodgkin lymphoma”.

2. Invited as guest faculty to PATHCON 2014, a CME on New Generation Diagnostics in Anatomic Pathology held at GB Pant Hospital, New Delhi on 10th October 2014. He spoke on “Role of Immunohistochemistry in the diagnosis of lymphoma”.

3. Was an invited faculty at the 1st JIPMER Oncoplastic Surgery Conference held at JIPMER on 18th and 19th October, 2014. He spoke on “Assessment of margins in oncoplastic breast surgery”.

4. Delivered a talk on “Morphology in Diagnostic hematology – Platelets, Parasites and Pitfalls” at the 55th Annual Conference of Indian Society of Haematology & Blood Transfusion (ISHBT) at Hyderabad from 6th-9th November, 2014. Being a guest faculty in the Post Conference Workshop on “Bone Marrow aspiration and trephine biopsy interpretation”, he also spoke on Bone marrow in chronic myeloproliferative neoplasms”.


6. Delivered a guest lecture on “Interpretation of liver biopsy in Neonatal Cholestasis and Biliary atresia” at the GI and Hepatic pathology CME on 7th February 2015 at JIPMER7. Delivered a
guest lecture on “Approach to platelet disorders” at CME cum Pathology Meeting on 7th March at Sri Lakshmi Narayan Institute of Medical Sciences, Pondicherry.

7. 15th Basic Course Workshop in Medical Education Technologies from December 1st - 3rd, 2014 conducted by Dept. of Medical Education, CMC, Vellore. (granted 30 credit points by Tamil Nadu Dr MGR Medical University)

8. Co-authored 8 papers presented at various conferences.

Dr. Rakhee Kar
1. Attended the technical resource group (TRG) meeting held at AIIMS, New Delhi on 21st May 2014 for the project entitled ‘Diagnostic efficacy of Hemoglobin color scale for screening patients for anemia’.

2. Delivered a talk on “Microangiopathy haemolytic anemia” at the 55th Annual Conference of Indian Society of Haematology & Blood Transfusion (ISHBT) at Hyderabad from 6th-9th November, 2014. Being a guest faculty in the Post Conference Workshop on “NK – T cell lymphoma”, she presented a case of Extra nodal NK T cell lymphoma Part of organizing team of CME on Hepatic and Gastro Intestinal Pathology held under the aegis of TN and Pondicherry Chapter of IAPM at JIPMER, Pondicherry on 07.02.15.

3. Co-authored 6 papers presented at various conferences.

Dr. Pampa ChToi
1. Attended a workshop on “Workplace Based Assessments” organized by the department of Medical Education, JIPMER on 19th July 2014 at JIPMER, Puducherry

2. Attended the Annual conference-2014 of the International Academy of Pathology India Division (IAP-ID) organized by the Department of Pathology, Armed Forces Medical College, Pune and Association of Pathologists and Microbiologists, Pune (Maharashtra) on 4th December 2014.

3. Attended APCON 2014, the 63rd annual conference of IAPM organized by Department of Pathology Armed Forces Medical College, Pune, and Association of Pathologists and Microbiologists, Pune (Maharashtra) from 4th-7th December 2014.

4. Attended CME on Gastro Intestinal and Hepatic Pathology 2015 organized by the Department of Pathology, JIPMER, Puducherry on 7th February 2015 at JIPMER, Puduchery.

5. Authored one paper and co-authored 3 papers presented at various conferences.

Dr. Rajesh NG
1. Joint Organizing Secretary and was In charge of Catering Committee for the CME on Gastroinestinal and Hepatic Pathology 2015 held on 7th February 2015 at Superspecialty block auditorium, JIPMER.

2. attended 7th International CME in Renal Pathology and Annual Conference of Indian Society of Renal and Transplant Pathology Conference held on 1st to 3rd August 2014 at JSS Medical College and Hospital Mysore. Officiated as Resource Faculty and Chairperson in Academic Programs and conducted Annual General Body meeting of the Society as Secretary of ISRTP.

3. Was a Resource Person and Moderator in the Intradepartmental CME in Pragmatic approach to immunohistochemistry on 27th September 2014 at Pasteur Theatre, Department of Pathology.

4. Guest Lectures in Conferences and CMEs
5. Attended CME on “Current concepts in Molecular diagnosis on 01.11.2014 at Madras Medical College, Chennai

6. Attended the “Workshop and Hands on Training in Fluorescent In situ Hybridisation (FISH) as an emerging tool in Diagnosis held on 2.11.2014 and 3.11. 2014 at Madras Medical College, Chennai.

7. Delivered a Guest lecture on “Recent advances in Ocular Pathology” at the All India Ophthalmic Society – Postgraduate Refresher course held on 12-14th September 2014 at Academic Centre, JIPMER, Puducherry.

8. Delivered a Guest lecture on “Immunohistochemistry in Breast Cancer and Triple negative Breast cancer” at Tamilnadu and Pondicherry Chapter CME on Breast Cancer on 18.10.2014 held at Government Vellore Medical College, Vellore. Was a resource person as Secretary of Tamilnadu and Pondicherry chapter of IAPM.

9. Delivered a Guest lecture on “Salivary Gland Tumors – Newer Entities and Diagnostic Difficulties” at the CME on Head and Neck Tumors on 8.11.2014 held at Indira Gandhi Medical College and Research Centre, Pondicherry. Conducted a Slide Seminar on Head and Neck Tumors for the Delegates attending the conference.

10. Attended and chaired a session the 7th International CME in Renal Pathology and Annual Conference of Indian Society of Renal and Transplant Pathology Conference held on 1st to 3rd August 2014 at JSS Medical College and Hospital Mysore.

11. Attended as an Invited Guest faculty and delivered a guest lecture on “Recent advances in Surgical Pathology and updates in research methodology in a Hands on Workshop on Animal Research held on 7th June 2014 at Vellore Institute of Technology, Vellore.

12. Delivered a guest lecture on “Histopathology of Skin Tumors” in Dermatopathology Workshop 2015 held by Department of Dermatology & STD and Department of Pathology at Sri Manakula Vinayagar Medical College and Hospital on 1st February 2015.

Dr. Sajini Elizabeth Jacob

1. Attended the Workshop for JIPMER faculty on Workplace Based Assessment on July 19 2014


3. Attended Workshop on Research Grant Proposal Writing” conducted by Dean (Research) in collaboration with Department of Pediatrics on 10th and 11th October 2014.

4. Attended Workshop on Research Grant Proposal writing”, JIPMER.

5. Attended 5th Short Course on Basic Epidemiology, JIPMER.

6. Attended the 63rd annual conference of Indian Association of Pathologists and Microbiologists (APCON) and presented a paper and co-authored 3 papers.

7. Spoke on “Processing and Indication” in the Intradepartmental CME on Bone marrow trephine biopsy in November 2015 and won the first prize in the ‘Quiz’ conducted during the CME.

8. Attended and part of the Organizing Committee (Scientific committee) of CME on Gastrointestinal and Hepatic pathology held at at JIPMER on 7-02-2015.

9. Co-authored 6 papers presented at various conferences.
Dr. B.H. Srinivas

1. Participated in the ‘Hematopathology workshop’ organized during the 2nd Academy of Clinical Experts meeting held on 25 July 2014 at Mumbai. He also attended 2nd CME of Academy of Clinical Experts.


3. Attended and presented a Poster on ‘Heavy and light chain Amyloidosis- a rare case with rare clinical presentation’ at the Annual conference of Indian Society of Renal and Transplant Pathology and International CME in Renal Pathology held at Mysore JSS Medical College on 1st-3rd Aug, 2014.

4. Participated as a faculty in the XVII DERMA ZONE SOUTH 2014 Dermatopathology workshop & took two sessions on ‘Approach to granulomatous lesions of Skin’ and ‘Approach to Vescicobullous lesions of skin’ on 20 September at JIPMER. He also co-authored a poster titled as “Peeling Skin Syndrome- a rare interesting case in a neonate”.

5. Attended intradepartmental CME on “A programatic approach to Immunohistochemistry”, wherein he was a moderator for 3 sessions: ‘IHC in Lymphoid neoplasms’, ‘IHC in CNS neoplasms’ and ‘IHC in female genital tract lesions’.

6. Attended the ‘Workshop on Research Grant Proposal Writing’ organized by the Division of Research, JIPMER and Department of Pediatrics, JIPMER on October 10 & 11, 2014.

7. Attended the workshop on “Research Grant Proposal Writing-Workshop Series on Capacity Building in Research” organized by JIPMER.

8. Attended the workshop on “Clinical Research Methodology” organized by JIPMER.

9. Co-authored 2 oral papers in the International Dermatopathology Conference, held at St. John’s Medical College, Bangalore on 14th-16th November 2014; one of them was selected as the 3rd best oral presentation. The paper was titled “The histological spectrum of mycosis fungoides: A study of 12 patients in South India over 6 years”.

10. Attended intradepartmental CME on Bone marrow Trephine biopsy interpretation.


12. Participated in ‘Workshop on Epidemiology’ Organised by the Division of Research, JIPMER and Department of Preventive and Social medicine, JIPMER on 29th and 30th May, 2014; while, Dr. Adarsh Barwad, attended the same on 26th and 27th June, 2014. Dr. Srinivas BH also participated in CME organized by the Pondicherry Neurology Society in which he co-authored two posters entitled ‘Medulloblastoma in rare location’ and ‘Pleomorphic xanthoastrocytoma of spinal cord’.

13. Joint organizing secretary for the CME on Gastrointestinal and Hepatic Pathology organized by the department of pathology, JIPMER, Puducherry on 7 February 2015 and participated in same.


Dr. Adarsh Wamanrao Barwad

1. A Resource Person and Moderator in the ‘Intradepartmental CME on Immunohistochemical markers for Pediatric& adult small round cell tumors, bone & soft tissue tumors, mediastinal & lung tumors, metastasis from unknown tumors. CME was held on 27th September 2014.
2. Conducted a workshop in Dermatopathology on 20th Sep 2014 in the XVIII Dermazone South 2014 hosted by IADVL, Puducherry branch & Organized by Dept of Dermatology, JIPMER. Spoke on ‘Cutaneous vasculitis’ and ‘Approach to skin appendageal tumors’.

3. Attended the “Pondicherry Pathology Meet” at Manakula Vinayaka Medical College

4. Attended the 63rd annual conference of APCON and co-authored three papers in the conference.

5. Co-authored 4 papers presented at various conferences.

Dr. Sri Rekha Jinkala

1. Attended the 72nd National Course on Educational Science for Teachers of Health Professionals from 16th - 22nd Feb 2015 conducted in Department of Medical Education in JIPMER, Pondicherry.

2. Dr. Debashish Gochait joined the institute as Assistant Professor on 26th December, 2014.

Funded Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title</th>
<th>Duration</th>
<th>Funding Agency</th>
<th>Total funds sanctioned/requested (Rs)</th>
<th>Collaborating Departments</th>
<th>Status</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Bhawana A. Badhe</td>
<td>Morphological Profile of large intestinal ganglion cells in perinatal autopsies and Hirschsprung disease with special reference to the role of Calretinin</td>
<td>2 years</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 50,000/- for one year only</td>
<td>Pediatric Surgery</td>
<td>Ongoing</td>
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<tr>
<td>2</td>
<td>Dr. Bhawana A. Badhe</td>
<td>The diagnostic utility of immunohistochemical markers alpha-methyl Acyl-coA and racemase (AMACAR) and ETS related gene in prostate cancer</td>
<td>2 Years</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 77,500/-</td>
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<td>Ongoing</td>
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<tr>
<td></td>
<td>Name</td>
<td>Project Title</td>
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<td>Funding Agency</td>
<td>Funding</td>
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<tr>
<td>3</td>
<td>Dr. Surendra Kumar Verma</td>
<td>Aortic wall diseases: study of histomorphology and role of pro-inflammatory marker S-100 A12</td>
<td>2 years</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 47,500/- for 2 years</td>
<td>CTVS</td>
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| 4 | Dr. Rakhee Kar           | Screening for paroxysmal nocturnal hemoglobinuria in the local patient population using gel card technology. | 2 years  | JIPMER-Intra-mural | Rs. 1,00,000/- | Medicine | Ongoing  |

<p>|   | “Assessment of levels of von Willebrand factor antigen in normal individuals of different blood groups in South Indian population and the utility of von Willebrand factor antigen assay for diagnosis and subtyping of von-Willebrand Disease” | | | | | approved by JSAC |</p>
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<th>Funding Agency</th>
<th>Amount</th>
<th>Department</th>
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<tr>
<td>5</td>
<td>Dr. Rajesh NG</td>
<td>Clinico-pathological features and FLT3 Internal Tandem Duplication mutation in Acute Myeloid Leukemia</td>
<td>2 years</td>
<td>JIPMER-Intra-mural</td>
<td>Rs.75,000/- per year</td>
<td>Medical Oncology, Pharmacology</td>
<td>Ongoing</td>
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<tr>
<td>6</td>
<td>Dr. Sajini Elizabeth Jacob</td>
<td>Histomorphological changes and angiogenic factors in placenta of pre-eclamptic patients</td>
<td>2 years</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 50,000/- per year for two years</td>
<td>OBG</td>
<td>Ongoing</td>
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<tr>
<td>7</td>
<td>Dr. N. Siddaraju</td>
<td>Fine needle aspiration cytology of hematolymphoid malignancies in correlation to histopathologic and haematologic findings</td>
<td>2 years</td>
<td>JIPMER-Intra-mural</td>
<td>Rs.70,000/- for one year only</td>
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<td>8</td>
<td>Dr. Surendra Kumar Verma</td>
<td>Assessment of diagnostic accuracy of fine needle aspiration cytology in ovarian neoplasms.</td>
<td>2 years</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 70,000/-</td>
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<td>9</td>
<td>Dr. N Siddaraju</td>
<td>A comparison of liquid based cytological preparation with conventional smearing technique of screening time, cytomorphological and immunocytochemical interpretation of respiratory samples</td>
<td>1 year</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 34,974/-</td>
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<td>Ongoing</td>
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<td>10</td>
<td>Dr. Rajesh NG</td>
<td>Detection of HPV 16 and 18 by polymerase chain reaction and the study of its association with squamous cell abnormalities on cervical cytology</td>
<td>1 year</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 50,000/-</td>
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<td>Ongoing</td>
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<tr>
<td>11</td>
<td>Dr. Surendra Kumar Verma</td>
<td>A comparison between liquid based cytology (LBC) and cytospin preparatory techniques in urine cytology</td>
<td>1 year</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 24,995/-</td>
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<td>Ongoing</td>
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<tr>
<td>12</td>
<td>Dr. Pampa Ch Toi</td>
<td>Role of brush biopsy technique in diagnosis of premalignant lesions of oral cavity in high risk population</td>
<td>1 year</td>
<td>JIPMER-Intra-mural</td>
<td>Rs. 25,000/-</td>
<td>Dentistry</td>
<td>Ongoing</td>
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<td>No.</td>
<td>Name</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Total Funding</td>
<td>Year 1</td>
<td>Year 2</td>
<td>Discipline</td>
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<tr>
<td>13</td>
<td>Dr. Surendra Kumar Verma</td>
<td>Expression of leptins and its receptors in brain neo-plasms</td>
<td>JIPMER Intra-mural</td>
<td>Rs. 3 lakhs total 2 lakhs in first year and 1 lakh in second year</td>
<td>Neurosurgery</td>
<td>Ongoing</td>
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<tr>
<td>14</td>
<td>Dr. Rajesh NG</td>
<td>NPM1 mutation and its role in risk stratification in patients with acute myeloid leukemia</td>
<td>JIPMER Intra-mural</td>
<td>Rs. 3 lakhs total 2 lakhs in first year and 1 lakh in second year</td>
<td>Medical Oncology Pharmacology</td>
<td>Ongoing</td>
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<td>15</td>
<td>Dr. Pampa Ch Toi</td>
<td>Immunophenotypic profile of diffuse large B cell lymphoma with special reference to presence of c-myc, EBV, CD5 – Y.</td>
<td>PG thesis 2 years</td>
<td>JIPMER Intra-mural</td>
<td>RCC</td>
<td>Complete</td>
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<tr>
<td>16</td>
<td>Dr. Pampa Ch Toi</td>
<td>Efficacy of An Immunopanel of Arginase-1, Glypican-3, Heppar-1, TTF-1 and CK-19 in Distinguishing Hepatocellular Carcinoma From its Mimics on Fine Needle Aspiration Cytology</td>
<td>PG thesis 2 years</td>
<td>JIPMER Intra-mural</td>
<td>Radiology</td>
<td>Ongoing</td>
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<td></td>
<td>Researcher</td>
<td>Title</td>
<td>Type</td>
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<td>Funding (Rs.)</td>
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<tr>
<td>17</td>
<td>Dr. N. Siddaraju</td>
<td>Immunocytochemical evaluation of malignant serous effusions to detect the primary site of malignancy</td>
<td>PG thesis 2 years</td>
<td>JIPMER Intra-mural</td>
<td>Rs. 75,000/year</td>
<td>Ongoing</td>
<td>Nil</td>
</tr>
<tr>
<td>18</td>
<td>Dr. N. Siddaraju</td>
<td>Significance of mast cells in distinguishing reactive lymphoid hyperplasia versus non-Hodgkin’s lymphoma on fine needle aspiration cytology</td>
<td>STS project</td>
<td>ICMR</td>
<td>Rs. 10,000/-</td>
<td>Complete</td>
<td>Nil</td>
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<tr>
<td>19</td>
<td>Dr. Debdatta Basu</td>
<td>Postchemotherapy changes in bone marrow in acute leukemia with emphasis on detection of residual disease by immunohistochemistry</td>
<td>PG thesis</td>
<td>JIPMER Intra-mural</td>
<td>Rs. 1,00,500/-</td>
<td>Ongoing</td>
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<tr>
<td>20</td>
<td>Dr. Rakhee Kar</td>
<td>Optimizing the use of patient sample in conjunction with commercial control and interlaboratory quality assessment of hematology analyzers</td>
<td>PG thesis</td>
<td>JIPMER Intra-mural</td>
<td>Rs. 75,000/-</td>
<td>ongoing</td>
<td>Nil</td>
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<tr>
<td>21</td>
<td>Dr. Surendra Kumar Verma</td>
<td>Clinicopathological profile of pituitary adenoma with emphasis on p53 and MIB-1</td>
<td>PG thesis</td>
<td>JIPMER Intra-mural</td>
<td>Rs. 75,000/-</td>
<td>ongoing</td>
<td></td>
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<tr>
<td>22</td>
<td>Dr. Pampa Ch Toi</td>
<td>Evaluation of estrogen and progesterone receptors and Her 2 neu expression in fine needle aspirates of patients with breast carcinoma.</td>
<td>3years</td>
<td>JIPMER Intra-mural</td>
<td>Rs. 1lakh</td>
<td>Surgery</td>
<td>Complete</td>
</tr>
</tbody>
</table>

Publications (52)


27. Panigrahi MK, Manju R, Vinod Kumar S, Toi PC. Pulmonary Mucormycosis presenting as nonresolving pneumonia in a patient with diabetes mellitus. Respir Care. 2014; 59:12e201-e205 (Impact factor 1.84)


35. Sankar P, Bobby Z, Jacob SE. Soy isoflavones (Glycine max) protect free radical induced red blood cell damage and plasma protein degradation. Evidence for antioxidant activity of soy isoflavones.IJSRP.2014;Vol 4. (Impact factor- 0.69)


Patient Care Services (Laboratory Services)

Histopathology

In 2014-15, 20,608 (46,700bits) biopsies were examined. Routine Hematoxylin-eosin and special histochemical stains (18,000) were performed. A total of 14,577 immunohistochemistry slides were stained and analyzed. Immunofluorescence (IF) laboratory services are available IF was done on 964 samples; 264 specimens were subjected to frozen section. A total of 1219 outside tissue sections and blocks were examined.

Cytopathology

Routinely May-Grünwald-Giemsa, Papanicolaou and relevant special stains are performed and immunocytochemistry (ICC) is standardized. The cytology laboratory is enrolled in the Quality Assurance Scheme of Indian Academy of Cytology (IAC). During the year 2014-15 a total of 18,762 samples were investigated. These included 5514 fine needle aspirates, 9620 Pap smears, 3471 non-gynecologic (fluid) samples, 17 squash preparations and 140 cell counts.

Hematopathology

The lab caters to routine hemograms, BM aspiration and biopsy, coagulation and hemolytic anemia workup. The External quality assurance scheme is followed for the coagulation with CMC, Vellore and blood counts with AIIMS, New Delhi. The lab provides a 24-hour emergency in-patient service. During 2014-15, 58,200 diagnostic tests were carried out carried out. It included 37,702 routine hemograms and 14,549 emergency hemograms. The special investigations included para-coagulation tests – 631; reticulocyte count – 2950; hemolytic anemia work-up – 96; coagulation studies – 643; Bone marrow studies – 994 and cytochemistry –610. The malaria positive cases diagnosed were 25 in number.

Central Lab and Superspecialty Lab (Clinical Pathology &Hematology Lab)

The OPD laboratory under the control of department of Pathology performed 1, 10, 550 tests which included 82, 078 blood investigations, 25,666 urine samples, 2052 stool and 754 semen samples. Super-specialty block (SSB) Hematopathology laboratory dealt with 1,05,620 blood samples, 39,357 urine specimens and 1310 body fluid cell counts.

Autopsy

Eighteen autopsies were performed during the period from April 2014 – March 2015

Awards and Achievements:

- Dr. Debdatta Basu was awarded the M R Parthsarathi and A V Ramprasad Oration at the 41st Annual Conference of Karnataka Chapter of Indian Association of Pathologists and Microbiologists (KCIAPM) held at Bangalore on 6th September 2014. He spoke on “Diagnostic Approach to Non-Hodgkin lymphoma”.

- Dr. Ranjith AR, second year post graduate student won the prestigious award for the Best paper in Category A(Short communications like Case reports – exclusively for residents) at the JIPMER Scientific Society for the year 2014-2015. His paper was entitled “Double – Trouble: Hematologic and Non-Hematologic Collision Tumour – A report of two rare cases”. The paper was co-authored by A Jhansi Rani, Sajini Elizabeth Jacob, Rakhee Kar, Debdatta Basu.

- Dr. Amrutha G, second year postgraduate won the BEST POSTER AWARD for her poster on “Evaluation of new onset pancytopenia in geriatric population with emphasis on Absolute..."
Neutrophil Count (ANC) at the 55th Annual Conference of Indian Society of Haematology & Blood Transfusion (ISHBT) hosted by the Society of Haematology & Transfusion Medicine was held at Hyderabad from November 6-9th 2014. The paper was co-authored by Dr. Debatta Basu, Dr. Rakhee Kar and Dr. Sajini Elizabeth Jacob.

- Dr. Prita Pradhan, second year post graduate student won the Best Oral paper award at the 44th Annual Conference of Indian Academy of Cytologists (CYTOCON 2014) held at Kota, Rajasthan from 13th to 16th November 2014. She won the award for her paper entitled “Utility of fine needle aspiration cytology in evaluation of retroperitoneal tumours in pediatric age group”. The paper was co-authored by Dr. N. Siddaraju, Dr. Pampa Ch Toi and Dr. Surendra Kumar Verma.

- Dr. Dharmasaranya G and Dr. Rajeswarie T, final year postgraduate students along with Dr. Dhayaguruvasan, post graduate Pediatrics represented JIPMER and won the South Zone National Quiz in Hematology and qualified for the finals of the ISHTM Hematology Quiz held at Hyderabad in November 2014.

### Administrative, Educational, Research and other Assignments

**Dr. Bhawana Badhe**

- Assumption of charge as the Head of the department of Pathology on 1st July 2014
- Special interest in Breast and Oncopathology
- Member of Institutional Biosafety committee (IBSC) of JIPMER
- Cancer research by Ph.D students under various guides
- Neonatal care research against sepsis with neonatology department
- Research in nephrology for molecular markers for IgA nephropathy

### Administrative /patient care activities

- Officer In-charge for Histopathology, Immunopathology
- Officer In-charge for Stores
- Member of Hospital infection control committee (HICS)
- Conducted interviews as external expert in specialty of Pathology
- Member of Institute Bio safety committee
- Member of Purchase committee ( ISAPC, PAC/RRC)
- Conducted physical verification of equipments in the Cardiology department
- Actively involved in supervision of maintenance of equipments, purchase of new equipments, reorganization of structure of laboratories

### Academics and Research

- Research projects : Extramural and Intramural
- Supervisor and co supervisor for PG dissertations
- Co supervisor for PhD thesis
- Organization of National /Intradespartmental CMEs
- Attended conferences as faculty
- Papers published in peer reviewed journals
- Papers presented in the conferences
- Conducted MBBS, MD and DNB examinations
- External examiner for MD and DNB examinations
- External expert in the selection committee meeting for faculty posts for pathology at SVIMS, Thirupathi.

**Dr. Surendra Kumar Verma**
- Officer in charge of condemnation of hospital items.
- Member of Departmental Promotional Committee
- In charge of the Cytopathology
- Officer In-charge of Hindi cell of JIPMER
- MSc MLT Examiner
- MCI Inspector for MBBS and MD Pathology Courses
- Organized CME on Gastrointestinal and Hepatic Pathology on 7th February 2015.
- Conducted monthly Clinico-Pathology Conferences in the Institute
- Guide and co guide for MD students
- Guide for one PhD student (in Pathology)
- Guide for one MSc (MLT) Cytopathology student

**Dr. N. Siddaraju**
- Field of Interest is Cytopathology
- In-charge of MSc MLT (cytopathology) Course
- Officer-in-Charge of Pathology Store
- Pathology class In-charge for MRO/MRT courses
- Overall In-Charge of Out Patient Department (OPD) Laboratory and In-Charge of Cytology Division
- Participation in undergraduate and postgraduate teaching
- Nodal Officer from the department of Pathology for JIPMER website
- Officer-in-charge for condemnation of unserviceable equipments in the departments of Surgery, Orthopedics and Dentistry
- Member of the examination committee, JIPMER
- Member of the Fact Finding Committee, JIPMER.
- Conducted stock verification in the department of paediatrics
- Guide for 3 MD students, one Ph.D student & 1 M.Sc. MLT student; co-guide for 4 MD/MS students & 2 MSc MLT (Cytopathology) students and one ICMR project.
Internal examiner for MBBS and M.Sc. MLT

An executive member of the Indian Academy of Cytologists (IAC)

A member of Editorial Board of ‘Journal of Cytology’

Reviewer for various journals: Indian Journal of Medical Research; Diagnostic Cytopathology; Journal of Cancer Research and Therapeutics; Indian journal of cancer; World Journal Of Surgical Oncology; Breast Disease; Head and Neck Pathology; Pathology and Laboratory Medicine International; International Journal Of Infectious Diseases; Southern Medical Journal; Journal of Cytology (JOC); Melanoma Research & Indian Journal Dental Research.

Took over as the In-charge Head of the Department of Forensic Medicine from 1st December 2014.

**Dr. Debdatta Basu**


In-charge of Hematopathology Division, with special interest in Bone Marrow Biopsy and Lymphoma

In-charge of undergraduate (MBBS) classes

Internal Examiner for MD

External Examiner for AIIMS and Kerala University

Member of Hemovigilance In India

Faculty of the Medical Education Cell (NTTC) of JIPMER.

Deputy Warden of Postgraduate Hostel in JIPMER.

Member of organizing committee of various National Conferences and Convocation Day held in JIPMER


Actively participated in all intra- and interdepartmental activities, especially oncopathology CPCs and hematology grand rounds.

Involved in curriculum development and implementation of DM Hematology course in collaboration with Department of Medicine.

Member of the curriculum development committee for upgradation of laboratory attenders

Guide and co-guide for a number of MD, MS and PhD students

**Dr. Rakhee Kar**

Routine reporting of hematology and histopathology

Active participation in interdepartmental clinicopathological conferences.

Involved in undergraduate (MBBS and BSc MLT, B.Sc Nursing), post-graduate (MD Pathology) and DM (Clinical Hematology) teaching activities and co-guide in 10 MD/DM theses.

Field of Interest is Hematopathology with special interest in Coagulation

Project evaluator for DBT.
● Taken up Ph D guidance with one student enrolled
● Lead site investigator from JIPMER for a multicentre project by AIIMS New Delhi and IIPH Delhi, PHFI on “Diagnostic efficacy of Hemoglobin color scale for screening patients for anemia” supported by Ministry of Health and Family Welfare, New Delhi
● Member of the JIPMER Quality Council and actively involved in the group proceedings.
● Project data from all centres including JIPMER for a multicentre project funded by Ministry of Health and Family Welfare, New entitled “Diagnostic efficacy of Hemoglobin color scale for screening patients for anemia” discussed in TRG meeting held in AIIMS New Delhi on 31.3.15
● Member of ‘International Society of Thrombosis and Haemostasis’ Reach the World 3 Year Membership - 12/31/2017.
● Life membership of JSS.
● Reviewer for Clinical and applied Thrombosis and Hemostasis (CATH) and The International Journal of Neuroscience (GNES) and Medical journal of Armed Forces of India (MJAFI), International Journal of Medicine and Public Health (IJMedPH)& Indian J Hematol Blood Transfus (IJHBT).

**Dr. Pampa Ch Toi**

● Nodal officer for B.Sc. MLT course of the department of Pathology
● Internal examiner for B.Sc. MLT (JIPMER JUNE-2014)
● Internal examiner for M.Sc. Cytopathology
● External Examiner for MBBS at Mahatma Gandhi Medical College and Research Institute, Puducherry (December 2014)
● Internal Examiner for MBBS (JIPMER –January 2015)
● Question paper setting for Bsc Mlt Examination
● MCQ’s setting for Msc Cytopathology
● Involved in Undergraduate and Postgraduate teaching
● Involved in independent reporting of cytology and histopathology divisions.
● Involved in clinicopathological conferences
● Took active part in various interdepartmental CME’s
● Faculty for Interns Orientation Programme in the Institute(July 2014 and January 2015)
● Member of the Organizing committee for 4th Convocation Day in JIPMER 2014
● Member of the Organizing committee of Golden Jubilee Celebration JIPMER 2014
● Member of the organizing committee of CME on Gastrointestinal and Hepatic Pathology 2015 organized by the Department of Pathology, JIPMER, Puducherry on 7th February 2015
● Member of the workshop articles purchase committee of JIPMER
● Supervising the quality control check in the Cytology Division of the Department
● Departmental representative for tender opening of Institute purchase
● Reviewer of various national and international journals.
- Guide for 2 MD students
- Co guide for 5 MD students
- Guide for 1 MBBS student’s ICMR short term study project

**Dr. Rajesh**

- Actively participated in undergraduate and post graduate teaching programs in the Department
- In-charge for BSc Allied Medical Sciences
- In-charge of Renal and Transplant Pathology
- Routine reporting of Histopathology and Cytopathology
- Actively participated in interdepartmental clinico-pathology meetings
- Co-Investigator in six intra/extramural projects Guide for one each of MD and M.Sc. MLT (Cytopathology) dissertations and one Ph D projects.
- Co-guide for seven MD/Ph D projects

**Membership**

- Editorial Board Member: Journal of Parathyroid Diseases & Journal of Biological Sciences and Technology
- Membership of National organizations: Secretary of Indian Society of Renal and Transplant Pathology; Secretary of Indian Association of Pathologists and Microbiologists (Tamilnadu and Pondicherry Chapter); Life member of Indian Journal of Pathology and Microbiology & Executive Member of JIPMER Scientific Society.
- Membership of Institutional organizations: Associate Staff Advisor, JIPMER (2014-2015); Member of Institute Stem cell Research Committee, JIPMER; Core committee Member of Hospital Information System, JIPMER; Member of JIPMER Undergraduate Research Monitoring committee &Doctoral Committee Member for PhD program in Dept of Pharmacology, JIPMER and Renal Research Laboratory at School of Biological Sciences, Vellore Institute of Technology, Vellore.
- Fellowships: Selected for International Society of Nephrology Fellowship on Clinical Nephrology and Nephro-Pathology in the year 2013. Completed the course successfully and was awarded the Fellowship.

**Dr. Sajini Elizabeth Jacob**

- Promoted as Associate Professor
- Actively involved in UG/PG teaching
- In charge of UG teaching programme
- Involved in intra- and interdepartmental activities, especially Oncopathology CPCs and
- Hematology grand rounds.
- Independently reported in “Hematology” and, “Histopathology” Divisions
- Guide and co-guide for MD/MS & DM students
**Dr. BH. Srinivas**

- Actively participated in the undergraduate and post graduate teaching activities
- In-charge of BSc (Nursing) Classes
- Co investigator for two research projects
- Guide for one MD (Pathology), co-guide for 2 dissertations {MD (Anatomy) & M.Sc (MLT) Cytopathology students
- Membership of National organizations: Council member of Indian Society of Renal and Transplant Pathology.
- JIPMER Institutional committees: Member of the ‘JIPMER Crowd Control Team’
- Independently reported in Surgical Pathology and Hematology.
- Involved in various intra- and interdepartmental activities such as Nephropathology and neuropathology meets.

**Dr. Adarsh Wamanrao Barwad**

- Joined the department of Pathology as Assistant Professor on 10-03-2014.
- Special areas of interest in Oncopathology, Renal Pathology Cytopathology and Molecular Pathology.
- Involved in independent reporting of Surgical Pathology and Cytopathology
- Actively involved in intra and inter departmental activities
- Standardized FNAC procedure with emphasis on cell block.
- One Publication

**Dr. Sri Rekha**

- Joined as Assistant Professor on 27th October, 2014.
- Actively involved in undergraduate and postgraduate teaching activities
- Actively involved in inter and intradepartmental activities
- Started independent histopathology reporting of gynaecological pathology, dermatopathology and neuropathology.
- Co-guide for a dissertation from Department of Nuclear Medicine

**Dr. Debashish Gochait**

- Joined as Assistant Professor on 26th December, 2014.
- Actively involved in undergraduate and postgraduate teaching activities
- Started independently reporting Histopathology slides.
- Actively involved in the inter- and intradepartmental activities.

**Significant Events in the Department:**

- Visiting professor Dr.C.Sundaram Senior Professor and Dean of NIZAMs Institute of Medical Sciences, Hyderabad visited the dept. of pathology JIPMER on 8 & 9th July 2014 and conducted training sessions on nerve and muscle pathology by series of lectures and slide seminars and a guest lecture in JSS on Mucormycosis.
The department started the concept of intra departmental CME after Dr. Bhawana Badhe took over the department as HOD. In the current year, two such CMEs were held on (i) A programmatic approach Immunohistochemistry (dated: 27th September, 2014). (ii) Bone Marrow Trephine biopsy interpretation (29th Nov. 2014).

CME in Gastro Intestinal and liver pathology 2015 was organized by the department of pathology, JIPMER on 7th February 2015.

Flow cytometer, Fluorescent In situ hybridization (FISH) workstation and High performance liquid chromatography (HPLC) were sanctioned to the department.

The new course of M.Sc. MLT (Pathology) has been approved in place of M.Sc. MLT (Cytoathology).

Future plans: The department has also planned to introduce other newer courses such as DM and Fellowship in Hematopathology, PDCC in Nephropathology and Cytopathology.
Background information
The Department of Pharmacology was started in 1958 under Dr. Emilie Savini, a French Professor. Since then there has been a gradual increase in the research activities apart from the regular teaching activities. Dr. S. C. Pradhan became the head of the department in July 2013. Dr. M. Jayanthi got promoted to the post of Associate Professor in July 2014. The focus of research is now at the molecular level in the area of pharmacogenomics besides clinical trials, development of hepatoprotective herbal drugs, pharmacokinetic and toxicology studies. A state of the art pharmacogenomics lab was established by the technical collaboration with INSERM, France. The pharmacogenomics lab was declared as a centre of excellence and upgraded to ICMR Centre for Advance Research in Pharmacogenomics with liberal financial support. Since 2004, a National workshop on Basic Techniques in Molecular Biology and Bioinformatics in Pharmacogenomics is conducted every year successively. The cell culture laboratory started functioning from 2008 onwards. A Drug Information Centre was established in 2007. The Adverse Drug Reaction Monitoring Centre, under the Pharmacovigilance Programme of India (PvPI), started functioning in the department from November 2010. Apart from these, therapeutic drug monitoring and sleep studies are done as hospital services. The department of Pharmacology has recently been designated as a WHO Collaborating Centre for Training and Research in Essential Medicines and rational use.

Educational Courses
A. Undergraduate Courses
of pharmacology. MBBS students are also taught topics like essential medicines, Pharmacovigilance, drug information services etc. The sessional examinations for MBBS and B.Sc. MLT students include the Objective Structured Practical Examination (OSPE). Most of the animal experiments are being replaced by clinical pharmacology exercises and also by teaching through Computer Assisted Learning (CAL). This helps to reduce the use of animals for experimental purpose as per the guidelines of the Animal Ethics Committee.

B. Postgraduate Courses

Each year five MD students join the department. These students are trained in both theoretical and practical aspects of pharmacology. In addition they are trained in pharmacogenomics techniques, adverse drug reaction (ADR) monitoring, drug information services and toxicology through seminars, journal clubs and PG classes. This year five students completed their M.D. Pharmacology course.

C. Fellowship Programme

The department is recognised by the World Health Organization for its Fellowship programme and candidates from Myanmar, Nigeria and Korea have been trained as Fellows of WHO.

D. Research Courses

Each year four full time Ph.D. students with institute stipend join the department. Besides research scholars, students working as junior/senior research fellow in extramurally funded research projects are also allowed to register for the Ph.D. course. This year one student completed Ph.D. in Pharmacology.

E. Other Courses

The department admits students of M.Tech (Biotechnology) for their project work to fulfil their dissertation requirements. The department also trains students of the Emergency Medical Technician Course (EMTC) and Medical Records Officer (MRO) Course.

Conferences and CMEs Organised by the Department

- “The Fifth Academic Meet of Indian Pharmacological Society (Puducherry Chapter)” was organized by the Department of Pharmacology, JIPMER, on 31st May 2014. Dr. B. Gitanjali was the Organizing Secretary.

- “The Eleventh National Workshop on Basic Techniques in Molecular Biology & Informatics in Pharmacogenomics” was held during 18th – 20st August 2014. Dr. D.G. Shewade was the Organizing Secretary. The department was actively involved to train 28 delegates who came from various parts of the country. Dr.Balachander, Medical Superintendent, JIPMER, was the chief guest for the valedictory function.Dr. S. C. Pradhan gave away the prizes.

- The Departments of Pharmacology and Clinical Pharmacology jointly organized the “Third International & Sixth National Annual Conference of the Indian Society for Rational Pharmacotherapeutics – ISRPTCON 2014”, under the aegis of the Indian Society for Rational Pharmacotherapeutics. Dr. S. C. Pradhan was the Organizing Chairman. Dr. B. Gitanjali and Dr. R. Raveendran were the Organizing Secretaries. ‘Rational Drug Therapy’ and ‘Drug Safety in Children’ were the central themes of the scientific programmes. The programme was funded by JIPMER, Science & Engineering Research Board (SERD), Indian Council of Medical Research (ICMR), National Academy of Medical Sciences (NAMS) and Council of Scientific & Industrial Research (CSIR).

- As a part of the “ISRPTCON 2014”, two days Pre-conference workshops (19th & 20th November 2014) were conducted on the following topics,
Research methodology and bio-statistics

Eighty participants from various parts of the country including post graduates in pharmacology, pharmacy, Ph.D scholars and faculty members participated in the workshop. Subject experts from the institution and outside the institution were the resource persons.

GRiP Roadshow

Global Research in Pediatrics Workshop was conducted by three eminent resource persons from WHO – Dr. KalleHoppu (Finland), Dr. Stephanie Laer (Germany), and Dr. Shalini Sri Ranganathan (Sri Lanka). There were a total of 65 participants for this workshop from various parts of the country.

Scientific writing

Scientific writing Workshop was conducted by six eminent resource persons Dr. Jatinder Singh, Dr. S. Manikandan, Dr. Mira Desai, Dr. R. Raveendran, Dr. B. Gitanjali, Dr. G. Sivagnanam and Dr. T. Kadhiravan. It was an interactive two-day workshop for students from various parts of the country. A total of 47 delegates attended this workshop.

ISRPTCON-2014

ISRPTCON-2014 was held for two days on 21th and 22nd November 2014, in Anandha Inn Convention Centre, Puducherry. The conference had four parallel sessions at Louvre Hall, Versailles Hall, Chambord Hall and Studio II.

During the inaugural function, Dr. S. C. Pradhan, Organizing Chairman gave warm welcome address to 510 self-motivated, young delegates and the conference souvenir was released by Dr. T. S. Ravikumar, Director, JIPMER. Following which the Chief Guest, Thiru. R. Poornalingam, IAS (ret'd) and Former Health Secretary, Tamil Nadu delivered the key note address on “Improving Access to Medicines: The TNMSC model.” He was felicitated with a memento by the Director.

A quiz programme was conducted and 109 delegates participated in the freeoral presentations and 10 participated in the prize session. A total of 110 posters had been displayed by the participants. Prizes were given for the best research paper and quiz programme winners.

The local (Puducherry) branch of ISRPT was started with 26 members of medical doctors at the Department of Pharmacology on 1st January 2015 with Dr. S. C. Pradhan (President), Dr. M. Jayanthi (Treasurer) and Dr. S. Manikandan (Secretary).

Conferences and CMEs attended by the Faculty

Dr. S.C. Pradhan

- Attended the ‘Fifth Academic Meet of Indian Pharmacological Society (IPS, Puducherry chapter)’, organized by Department of Pharmacology, JIPMER held on 31 May 2014.

- Organized the “Eleventh National Workshop on Basic Techniques in Molecular Biology & Bioinformatics in Pharmacogenomics” which was held during 18th – 20th August 2014. Gave the welcome address and distributed the certificates.

Active participated in the panel discussion (Curriculum for M.D. Pharmacology) on 22nd November 2014 at the ISRPTCON-2014.

Distributed the prizes to the final quiz competition winners along with the other office bearers of ISRPTCON-2014 on 22nd November, 2014.

Gave the award of best volunteer to Dr. AbiAlbon Paul (M.D. 3rd year, Pharmacology, JIPMER) for his significant contribution in bringing out the souvenir.

Attended and chaired a scientific session in 1st ASSOPICON 2014, organized by the Dept. of Physiology, JIPMER, held on 17th December 2014.

**Dr. D. G. Shewade**

Attended the ‘Fifth Academic Meet of Indian Pharmacological Society (IPS, Puducherry chapter)’, organized by Department of Pharmacology, JIPMER held on 31 May 2014.

Worked as Organizing Secretary of the Eleventh National Workshop on Basic Techniques in Molecular Biology &Bioinformatics in Pharmacogenomics which was held during 18th – 20th August 2014.


Delivered a talk on “Access to pharmacist is access to health” on “World Pharmacist Day” at Dr. MGR University, Chennai conducted between 26th and 28th February 2014.

**Dr. Gitanjali. B**

Conducted a CME on Medical Ethics as resource person on April 9th 2014 at the Sri Lakshmi Narayana Medical College, Osudu, Puducherry.

Conducted a “Training Course on Medical Education” for senior residents of JIPMER, during 10-12 April, 2014.

Conducted Preliminary Orientation Programme for MTS workers of JIPMER on 17th May, 2014.

Conducted a two-day workshop on “How to Guide an MD Thesis” at the Sri ManakulaVinayagar Medical College & Hospital on 28th and 29th May, 2014.

Organized the ‘Fifth Academic Meet of Indian Pharmacological Society (IPS, Puducherry chapter)’, organized by Department of Pharmacology, JIPMER held on 31 May 2014.

Attended workshop for Deans & Coordinators of Medical Education Units on 1st July 2014 at the MCI Regional Centre, Christian Medical College Vellore, Tamil Nadu.

Attended the Basic course workshop on Medical Education, between July 2-4, 2014 at the MCI Regional Centre, CMC Vellore.


Conducted a Workshop on Workplace Based Assessments for JIPMER faculty on 19th July 2014 as part of faculty development programme and SMART JIPMER.

Conducted a 7-day off-site programme on education technology at AIIMS Patna from 24-30 July 2014.
Organized Teachers Day Celebrations to honour senior retired faculty members of JIPMER on 5th September, 2014.

Organized and conducted an informal session on “How to study medicine” for the newly joined first year MBBS students on 19th September, 2014

Conducted a one day pre-conference workshop on Biomedical Communication at KACHCON2014 (Karnataka Association of Community Health) held at JN Medical College, Belgaum on 9th October, 2014.

Conducted a “Workshop on Technical Writing” at the Seminar Hall of Achutha Menon Centre for Health Science Studies, SreeChitraTirunal Institute for Medical Sciences and Technology, Trivandrum from 14th to 16th October, 2014.


Organized GRiP (Global Research in Paediatrics) Roadshow on 19th and 20th November, 2014 with international faculty.

Attended CME programme of Association of Physiologist of India and delivered a talk on “Publication ethics” on 16th December, 2014 at JIPMER.

Conducted a workshop on Biomedical Communication at S.D.M. College of Medical Sciences and Hospital, Dharwad, Karnataka on 5th and 6th March 2015.

Dr. R. Raveendran

Was a resource person in PG Orientation on statistical analysis and writing dissertation for third year MD/MS students on 1-3rd May 2014.

Workshop on ‘How to Guide an MD Thesis’ in SMVMCH, Pondicherry on 28-29 May 2014

Participated in the 4th Conference of the Indian Pharmacological Society, Puducherry Chapter on 31st May 2014 at JIPMER, Pondicherry.

PG Orientation Programme on Research, Basic Biostatistics, Ethics and Journal Article presentation for 1styr MD/MS students in JIPMER on 16.06.2014 to 18.06.2014.

Orientation Workshop on Animal and Lab Experimentation in JIPMER on 30th June 2014.


Workshop on Technical Writing at Achutha Menon Centre for Health Science Studies, SreeChitraTirunal Institute for Medical Sciences and Technology, Trivandrum from 14-16th October, 2014

Workshop on Book Writing on 7th November 2014 in JIPMER

Organized and participated as a speaker in pre-conference workshops on Research Methodology, Biomedical Communication and GRiP (Global Research in Paediatrics) Roadshow on November 19-20, 2014 with international faculty in JIPMER.

Organized the 3rd international and 6th national conference of the Indian Society for Rational Pharmacotherapeutics ISRPTCON 2014 in November 21-22, 2014 in Pondicherry as organizing secretary. Over 500 registered participants and three parallel pre-conference workshops were held.
- Orientation Programme for first year M.Sc. and Ph.D students on 25.11.2014 to 02.12.2014
- Workshop on Biomedical Communication held in SDM College of Medical Sciences, Dharwad, Karnataka on 5th & 6th March 2015.

**Dr. Steven A. Dkhar**

- Attended and participated as a delegate in the 3rd International & 6th National annual conference of the Indian Society for Rational Pharmacotherapeutics (ISRPTCON-2014) held on 21st & 22nd November, 2014 in Puducherry. And also was the faculty in-charge for the Transport, Food & Catering committees.
- Delivered a talk on ‘Medicine cabinet: lethal cabinet’ in “TOXOCON-8” organized by the Indian Society of Toxicology in JIPMER, held on 9th & 10th August 2014.
- Delivered a talk on ‘Safety reporting (SAE)’ in a Workshop on Good Clinical Research Practice (GCRP) in JIPMER, held on 22nd & 23rd August 2014.
- Chaired a scientific session on ‘Exercise in health and disease’ in 1st ASSOPICON 2014, JIPMER, held on 17th December 2014.

**Dr. M. Jayanthi**

- Participated as member of organising committee in the ‘Fifth Indian Pharmacological Society Puducherry Chapter Academic Meet’ on 31st May, 2014 at JIPMER Academic Centre, Puducherry
- Delivered a talk on ‘Good Lab Practices’ during the workshop on ‘Animal and Lab Experimentation’ held at JIPMER on 30th June 2014
- Participated in the workshop on Good Clinical Research Practice held at JIPMER, Puducherry during 22-23 August, 2014
- Participated in the pre-conference workshop on “Global Research in Paediatrics (GRiP) Road Show” held at Academic Centre, JIPMER during 19-20 November, 2014
- Participated as member of organizing committee and chaired a scientific session in the Third International and Sixth National Annual Conference of Indian Society for Rational Pharmacotherapeutics ISRPTCON 2014 held at Puducherry during 21-22 November, 2014

**Dr. S. Manikandan**

- Conducted Orientation Programme for Final Year MD/MS students on 12.05.14.
- Resource person for “First Year PG Orientation Programme for MD/MS” from 16.06.14 to 18.06.14.
- Resource faculty in the ‘Orientation Workshop on Animal and Lab Experimentation’ as part of workshop series on capacity building in research on 30.06.14.
- Resource person in the workshop for JIPMER faculty on ‘Workplace Based Assessment’ on 19.07.14.
Faculty in the ‘Orientation Workshop on Clinical Research Methodology’ on 27.07.14.

Resource person for “70th National Course on Educational Science for Teachers of Health Professionals” from 28.08.14 to 06.09.14.

Conducted Pre-conference Workshop on ‘Scientific Writing & Biomedical Ethics’ and was Scientific Committee In-charge and delivered a talk in the Debate “What is the need of the hour for us? Essentional Medicines or Personalised Medicines” in the Annual Conference of Indian Society for Rational Pharmacotherapeutics from 19.11.14 to 22.11.14 at JIPMER, Pondicherry.

Conducted a Training session on Literature Search in Orientation Programme for PhD scholars and MSc students on 25.11.14


Conducted Workshop on “How to Guide M.D. Thesis” at Sri ManakulaVinayagar Medical College & Hospital, Pondicherry on 28.05.14 & 29.05.14.

Resource person in the pre-conference CME on ‘Biomedical Communication as part of 26th Annual State Conference of Karnataka Association of Community Health (KACHCON 2014) on 09.10.14.

Conducted “Workshop on Technical Writing” at SreeChitraTirunal Institute of Medical Sciences and Technology, Thiruvananthapuram from 14.10.14 and 16.10.14.

Attended the ‘2nd Orientation Workshop on Epidemiology’ as part of the workshop series on capacity building in research on 26.06.14 & 27.06.14 at JIPMER.


Attended ‘Training Program on Redcap’ at JIPMER on 07.08.14.

Participated in ‘Short Course on Statistical Computing using R’ at Christian Medical College, Vellore from 25.08.14 to 27.08.14.

Attended ‘MCI Basic Course Workshop on Medical Education Technology’ at Sri Ramachandra Medical College, Chennai from 29.10.14 to 31.10.14.

Participated in the ‘Advanced Workshop on Bioavailability / Bioequivalence studies at Chettinad Hospital and Research Institute, Chennai on 09.01.15 & 10.01.15.

Dr. A. Surendiran

Participated as a delegate in the‘Workshop on Epidemiology’organized by Division of Research and Department of Preventive and Social medicine, JIPMER held during the period 29-30 May 2014.

Participated as a delegate in ‘Fifth Academic Meet of Indian Pharmacological Society (IPS, Puducherry chapter)’, organized by Department of Pharmacology, JIPMER held on 31 May 2014.

Participated as a delegate in the ‘Workshop on Animal and Lab Experimentation’ organized by Division of Research and Department of Physiology, JIPMER on 30 June 2014.

Participated as a delegate in the ‘Workshop on Clinical Research Methodology’ organized by Division of Researchand Department of Anaesthesiology & Critical care, JIPMER on 27 July 2014.
- Participated as a delegate in the ‘Workshop on Research Grant Proposal Writing’ organized by Division of Research and Department of Pediatrics, JIPMER held during the period 10-11 October 2014.

- Participated as a delegate in the ‘Workshop on Book Writing & Meet the Publishers’ organized by JIPMER Scientific Society, held on 7 Nov 2014.

- Participated as a delegate in the ‘Workshop on Global Research in Pediatrics (GRiP Roadshow)’ organized by Departments of Pharmacology and Clinical Pharmacology, JIPMER during the period 19-20 Nov 2014.

- Participated as a delegate in the ‘Third International and Sixth National Conference of Indian Society for Rational Pharmacotherapeutics (ISRPTCON 2014)’ organized by the Departments of Pharmacology and Clinical Pharmacology, JIPMER during the period 21-22 Nov 2014.

- Participated as a delegate in the ‘Workshop on Global Research in Pediatrics (GRiP Roadshow)’ organized by Departments of Pharmacology and Clinical Pharmacology, JIPMER during the period 21-22 Nov 2014.

**Dr. C. Girish**

- Attended the RePORT India Grandsmanship seminar (INDO-US VAP) held in JIPMER on 10th May, 2014.

- Participated in an orientation workshop on epidemiology organized by division of research, JIPMER and Department of Preventive and Social medicine on 29th and 30th May, 2014.

- Attended the 5th academic meet of Indian Pharmacological Society (IPS, Puducherry chapter), organized by the Department of Pharmacology, JIPMER, Puducherry, on 31st May, 2014.

- Participated in an orientation workshop on animal and lab experimentation organized by division of research, JIPMER and Department of Physiology on 30th June, 2014.

- Participated in an orientation workshop on clinical research methodology organized by division of research, JIPMER and Department of Anaesthesiology & Critical care on 27th July, 2014.

- Participated in a workshop on Research Grant Proposal Writing organized by division of research, JIPMER and Department of Paediatrics on 10th and 11th October, 2014.


- Attended the 6th annual conference of Indian Pharmacological Society (IPS, Puducherry chapter), organized by the Department of Pharmacology, MGMC&RI, Puducherry, on 12th February 2015.

**Dr. R. Kesavan**

- Worked as Joint Organizing Secretary and resource person for the 11th National Workshop on Basic Techniques in Molecular Biology & Bioinformatics in Pharmacogenomics which was held on 18th - 20th August, 2014.
- Delivered guest lecture in National Seminar on “Pharmacogenomics in Drug Discovery and its clinical Application” held in JSS medical college on 16th & 17th October, 2014 and chaired the scientific sessions on “Pharmacogenomics in Neurology: current status & future steps.”
- Worked as member of the Organizing Committee and attended the 3rd International & 6th National annual conference of the Indian society for Rational Pharmacotherapeutics held on 21st & 22nd November, 2014 at JIPMER.
- As a resource person delivered a talk on Quality improvement program (QIP) in a “Biopharmaceutical approach based drug delivery systems and regulatory challenges & applications of Pharmacokinetics in clinical practice” organized by JSS college of Pharmacy Ootacamund Tamilnadu on 15th - 27th September, 2014.
- Attended the 5th Indian Pharmacological Society (Puducherry chapter) academic meet organized by the Dept. of Pharmacology, JIPMER held on 31st May, 2014.
- Attended the refresher course in statistical methods for behavioural research from 10th – 12th September 2014 at NIMHANS, Bangalore.

Research projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. D. G. Shewade</td>
<td>Pharmacogenetics of Fluoxetine in south Indian Major Depressive Disorder patients.</td>
<td>Recommended by ICMR 20 lakh</td>
<td>Psychiatry</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Steven A Dkhar</td>
<td>Pharmacogenomics of lipid lowering response of atorvastatin among dyslipidemic Tamilian population</td>
<td>3 years from 5th March 2013. DBT Rs 26,27,600</td>
<td>Cardiology Medicine Biochemistry</td>
<td>Ongoing</td>
<td></td>
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<tr>
<td>3.</td>
<td>Dr. Jayanthi.M</td>
<td>Effect of alcohol on drug metabolizing enzyme CYP2C19</td>
<td>From April 2012 to November 2014 Intramural Rs.1,85,386/-</td>
<td>Psychiatry Biochemistry</td>
<td>Completed</td>
<td></td>
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<tr>
<td></td>
<td>Authors</td>
<td>Title</td>
<td>Details</td>
<td>Funding</td>
<td>Status</td>
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<tr>
<td>4.</td>
<td>Dr. Jayanthi.M</td>
<td>Influence of genetic polymorphisms on capecitabine induced hand-foot syndrome in cancer patients treated at Regional Cancer Centre, JIPMER</td>
<td>From May 2013-April 2016</td>
<td>Nil</td>
<td>Dept of Oncology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. S. Manikandan (Co-Investigator)</td>
<td>Second Updating of WHO Database of Medicines Use in Primary Care in Developing and Transitional Countries</td>
<td>April 2014 to December 2014</td>
<td>WHO Rs. 2,26,420</td>
<td>-</td>
<td>Completed</td>
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<tr>
<td>6.</td>
<td>Dr. S. Manikandan</td>
<td>Effectiveness of Mobile Phone Text Message Reminders in Reducing Prescription Errors</td>
<td>Feb 2015 to Sep 2015</td>
<td>Intramural funding (GJ–STRAUS) Rs. 10,000/-</td>
<td>Psychiatry</td>
<td>Ongoing</td>
</tr>
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<td>7.</td>
<td>Dr. Girish. C</td>
<td>Evaluation of amphotericin-B induced reproductive toxicity in male Wistar rats</td>
<td>1 year</td>
<td>Intramural fund 2,30,000/-</td>
<td>Pathology</td>
<td>Ongoing</td>
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<tr>
<td>8.</td>
<td>Dr. Girish. C</td>
<td>Evaluation of Antidepressant-like Activity of Ursolic Acid and Its Possible Mechanism of Action in Albino Mice</td>
<td>6 months</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**Publications**

**Journals & Books**


- Parasuraman S, Raveendran R, Rajesh NG, Nandhakumar S. Sub-chronic toxicological evaluation of cleistanthin A and cleistanthin B from the leaves of Cleistanthus collinus (Roxb.) Toxicology Reports, 2014,1:596-611.
- Sandhiya S, Dkhar SA, Pillai AA, George M, Jayaraman B, Chandrasekaran A. Comparison


**Patient care services**

**Adverse drug reaction monitoring centre**

ADR reports are assessed for causality every week and sent to the ADR database of the country.

**Therapeutic drug monitoring and Urinary VMA assay**

The department of Pharmacology acquired the LC-MSMS which has enabled measurement of several drugs. TDM service to hospital is being provided for drugs such as tacrolimus, cyclosporine (LC-MS/MS), phenytoin, phenobarbitone, carbamazepine and valproic acid (HPLC).

**Awards, Honours and Other Personal Achievements**

**Dr. S. C. Pradhan**

- The local branch of Indian Society of Rational Pharmacoetherapeutics (ISRPT) was formed with 26 new members and Dr. S. C. Pradhan was honoured as the founder President of ISRPT local branch on 1st January 2015 held at Hotel Annamalai International, Puducherry.

**Dr. D. G. Shewade**

- Was a MCI assessor for M.D. Pharmacology facilities and undertook inspection of various four medical colleges all over India.

**Dr.Gitanjali. B**

- Appointed as full member of the Expert Committee on the Selection and Use of Essential Medicines, World Health Organization (WHO), Geneva, Switzerland.

- Member of the World Health Organization’s Expert Advisory Panel on Drug Evaluation, Geneva, Switzerland.

- Faculty for online PG Diploma in Bioethics course conducted by the National Institute of Epidemiology, ICMR.

- Chairperson of Institute Ethics Committee, Pondicherry Institute of Medical Sciences, Kalapet.

- Participated in a Delphi consultation for an international collaboration to develop a set of core criteria for the development of paediatric drug monographs.

- Updated the WHO database of medicines use in primary care in developing and transitional countries from 2013 to 2014 through an Agreement for Performance of work.

- Member of the UPSC Panel for selection of Assistant Professors in Pharmacology (April 2014)

- Temporary Advisor for “Regional Workshop on Strengthening Quantification and Procurement of Essential Medicines” June 10-12, 2014 at the WHO South-East Asia Regional Office, New Delhi

**Dr. R. Raveendran**


**Dr. S. Manikandan**

- Oral presentation titled “Effectiveness of Modified Prescription Slip in Reducing Prescribing Errors” by Singhai P, Manikandan S, Gitanjali B in Indian Pharmacological Society – Pondicherry Chapter Meet on 31.05.14 at JIPMER, Pondicherry.

- Oral presentation titled “Prevalence of Drug Administration Errors in Surgical Postoperative Wards of a Tertiary Care Hospital” by Bhaskar P, Manikandan S, Raveendran R in Indian Pharmacological Society – Pondicherry Chapter Meet on 31.05.14 at JIPMER, Pondicherry.

**Dr. Steven A. Dkhar**

- Received a grant of Rs. 26,27,600 from DBT for the project entitled, “Pharmacogenomics of lipid lowering response of atorvastatin among dyslipidemic Tamilian population”. The project is ongoing from the 5th of March, 2013 for a period of 3 years. Ms. C. Indhumathi, Ph.D. scholar has been appointed Senior Research Fellow for the project.

**Dr. Kesavan**

- Worked as Associate Editor in Pharmacology section under Indian Journal of Physiology and Pharmacology (IJPP) in 2014

**Postgraduates & Research Scholars**

- Mr. Umamaheswaran, Ph.D. scholar, presented a paper entitled “Pharmacogenetic variant at aromatase gene locus is associated with letrozole-induced arthralgia in women with HR (+) breast cancer” in 5th Academic Meet of Indian Pharmacological Society-Puducherry Chapter, organized by the Departments of Pharmacology and Clinical Pharmacology, JIPMER on 31st May 2014.

- Mr. Srinivasa Rao. K, Ph.D. scholar won the first prize for best oral paper presentation, for the paper entitled “Frequency distribution of DNA repair genes ERCC1 and ERCC2/XPD polymorphisms in South Indian healthy population” in the 5th Academic meet of Indian Pharmacological Society - Puducherry chapter which was held on 31st May 2014 in JIPMER, Puducherry.
Dr. Neel J. Shah presented a paper entitled “Effect of beta-2 receptor polymorphisms on the response to salbutamol and occurrence of asthma” in the 5th Academic meet of Indian Pharmacological Society - Puducherry chapter which was held on 31st May 2014 in JIPMER.

Ms. Aarthi Rajesh, Ph.D. scholar was a resource person and gave a talk on “Methods of genotyping (Quantitative PCR to Sequencing)” in “Eleventh National Workshop on Basic Techniques in Molecular Biology & Informatics in Pharmacogenomics” held during 18th – 20st August 2014, in JIPMER.

Dr. Indumathi, Ph.D. scholar was a resource person and gave a talk on “PCR” in “Eleventh National Workshop on Basic Techniques in Molecular Biology & Informatics in Pharmacogenomics” held during 18th – 20st August 2014, in JIPMER.

Mr. Umamaheswaran, Ph.D. scholar presented a paper entitled “Pharmacogenetic influence of CYP19A1 gene polymorphisms on letrozole-induced musculoskeletal toxicity in breast cancer patients” in International Conference on Molecular Clinical Oncology ‘Precision Medicine’, organized by Candiolo Cancer Institute, Torino, ITALY during October 4-5, 2014.

Mr. Umamaheswaran, Ph.D. scholar presented a paper entitled “Polymorphisms in CYP19A1 gene predicts relapse and survival in postmenopausal breast cancer patients treated with adjuvant letrozole” in 9th International Conference of Anticancer Research, organized by International Institute of Anticancer Research, Sithonia, GREECE during October 6-10, 2014.


Dr. Anbarasan. M presented a paper entitled “Impact of a sensitization program to improve medication errors in intensive care units of JIPMER hospital” and won the first prize (ExPharm Prize) for the best oral paper presentation in the 3rd International & 6th National annual conference of the Indian Society for Rational Pharmacotherapeutics, held on 21st & 22nd November 2014 in JIPMER.

Dr. Abi Albon Paul presented a paper entitled “Effect of metformin on exercise capacity in metabolic syndrome” in the 3rd International & 6th National annual conference of the Indian Society for Rational Pharmacotherapeutics, held on 21st & 22nd November 2014 in JIPMER.


Dr. Manu Jose, Dr. Neel Shah and Dr. Manjunath* (*KEM college, Mumbai) won the first prize at the National Quiz Competition conducted during the third international and sixth national annual conference of the Indian Society for Rational Pharmacotherapeutics held on 22nd November, 2014.

Dr. AbiAlbon Paul, Dr. Anbarsan and Dr. Mageshwaran won the third prize at the National Quiz Competition conducted during the third international and sixth national annual conference of the Indian Society for Rational Pharmacotherapeutics held on 22nd November, 2014.

Mr. Jose Francis, Ph.D Scholar was selected to present his scientific paper entitled “Influence of MDR1 C3435T Genotype, Sokal Score and Hasford Score on the Overall Survival of Chronic MyeloidLeukemiaPatients Treated with Imatinib” at the Annual Conference of American Society of Hematology on 6th December 2014.

Ms. SunithaKodidela, Ph.D Scholar was selected to present her scientific paper entitled “Influence of DihydrofolateReductase (DHFR) Gene Polymorphisms on Outcome of Methotrexate Maintenance Therapy in Patients with Acute Lymphoblastic Leukemia” at the Annual Conference of American Society of Hematology on 6th December 2014.

Mrs. N.Revathy, Ph.D Scholar, presented a paper entitled, “Frequency of polymorphic variants in CRHR1, GLCCI1 and FCER2 genes associated with steroid response in Tamilian population,” in the National Conference on Genome Informatics (NCGI - 2015), organized by the Dept. of Bioinformatics, School of Bioengineering, SRM University, Chennai, during 21-23, January 2015.

Mr. Srinivasa Rao. K, Ph.D scholar presented a paper entitled “Role of DNA Repair Gene Polymorphisms on Oxaliplatin Based Chemotherapy Response in South Indian Gastric Cancer Patients” in Indian Pharmacological Society, Puducherry chapter, 6th state conference on 12th February 2015 in MGMC&RI, Sri BalajiVidyapeeth University, Puducherry.

Dr. Anbarasan presented a paper entitled “Medication errors in intensive care units of a tertiary care hospital in Puducherry” and won the first prize for the best oral paper presentation in the 6th annual conference of the Indian Pharmacological Society (Puducherry chapter), organized by the Department of Pharmacology, MGMC & RI, Puducherry, on 12th February 2015.

Dr. Neel Shah and Dr. L. Mageshwaran jointly won the second prize for the best oral paper presentation in 6th annual conference of Indian Pharmacological Society (Puducherry chapter) organized by MGMCRI, Puducherry on 12th February, 2015.

Dr. AbiAlbon Paul presented a paper entitled “Effect of metformin on exercise capacity in metabolic syndrome” in the 6th annual conference of the Indian Pharmacological Society (Puducherry chapter), organized by the Department of Pharmacology, MGMC & RI, Puducherry, on 12th February 2015.

Dr. Gerard Marshall Raj presented a paper entitled “Allele and genotype distributions of SLC47A1 and SLC47A2 gene polymorphisms in South Indian healthy population” in the 6th annual conference of the Indian Pharmacological Society (Puducherry chapter), organized by the Department of Pharmacology, MGMC & RI, Puducherry, on 12th February 2015.

Dr. RekhaPriyadarshini presented a paper entitled “Tumour response in locally advanced breast cancer patients of South India receiving docetaxel as neoadjuvant chemotherapy” in the 6th
annual conference of the Indian Pharmacological Society (Puducherry chapter), organized by the Department of Pharmacology, MGMC & RI, Puducherry, on 12th February 2015.

- Mrs. N.Revathy, Ph.D Scholar, presented a poster entitled, “Association of GLCCI1 gene variant with steroid response in Tamilian asthma patients – A pharmacogenomic analysis,” in the Indian Genetics Congress, organized by the Dept. of Genetic Engineering, SRM University, Chennai, during 4-6, March 2015.

- Mr. Umamaheswaran, Ph.D. scholar has been elected as Young Scientist member, International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT).

- Mr. Umamaheswaran, Ph.D. scholar has been elected as a member in Asian Network for Pharmacogenomics Research (ANPR).

- Mr. Umamaheswaran, Ph.D. scholar has been awarded Young Scientist - International Travel Support Scheme by Science and Engineering Research Board (SERB), Department of Science and Technology, Ministry of Science and Technology, Government of India.

- Mr. Umamaheswaran, Ph.D. scholar has been invited as a reviewer for the following journals: 1). The Pharmacogenomics Journal, 2). Tumor Biology and 3). European Journal of Drug Metabolism and Pharmacokinetics.

Administrative, Patient Care, Educational, Research and Other Assignments

Dr. S. C. Pradhan

- Vigilance officer.
- Organized the vigilance awareness week to curb corruption (27th October 2014 to 1st November 2014) and the pledge taking ceremony was held on 27th October 2014 to create awareness to fight corruption.
- In-charge of Ph.D. programme.
- Co-investigator in the DST (Fast) project entitled “Population pharmacokinetics & pharmacogenetics of Imatinibmesylate in Chronic Myeloid Leukaemia patients.”
- Examiner & Paper setter for M.B.B.S., M.D. (Pharmacology) and D.M. (Clinical Pharmacology).
- President of ISRPT-Puducherry branch.

Dr. D. G. Shewade

- Officer in-charge of Purchase section.
- Expert member of the MCI PG monitoring committee.

Dr.B. Gitanjali

- Faculty (Finance)
- Head of the Department of Medical Education
- Member of the medication safety group and member of the coordination group for patient safety.
- Member of the NTTC core-group, interns orientation programme, PG orientation programme and training programme on research methodology for postgraduates and doctoral students.
- Member of the Faculty-Residents Joint Committee.
Dr. R. Raveendran

- Officer in-charge CRAFT & JITS
- Officer in-charge of Pharmacy
- Chairman, Departmental Canteen
- Gen Secretary, Students’ Cafeteria
- Member of JSAC and subcommittees
- Member-Secretary, Stem Cell Research Committee
- Member, Golden Jubilee Souvenir Committee
- Liaison officer for OBC
- Member, Security Committee
- Member, PAC-RRC Committee
- Chairman, Institutional Review Board, Nursing College, Pondicherry Institute of Medical Sciences, Puducherry
- Member, Ethics committee, Indra Gandhi Medical College & Research Institute.
- Member, Advisory Board, Mahatma Gandhi-DoerenkampCenter for Alternatives in Use of Animals in Life Science Education held in the Bharathidasan University in Tiruchirapalli

Dr. Steven A. Dkhar

- Officer in-charge of hospital laundry and linen sections
- Information officer regarding RTI of laundry and linen sections
- Examiner for D.M. (Clinical Pharmacology) and M.B.B.S.
- Sub co-ordinator, ADR monitoring centre
- Member of subcommittee for procurement of Print and Online Journals for Central Library
- In-charge of compilation and preparation of Annual Report of department.
- In-charge of LCMS equipment of the department
- Condemnation Officer of canteen, old and new guest houses, central workshop, community hall, Hindi cell and library.

Dr. M. Jayanthi

- Teaching in-charge BSc Nursing and PG Diploma in Nursing
- Member of Institute Stores Article Purchase Committee
- Member of JIPMER Quality Council
- Member of the core group for Interns and PG orientation programme
- External examiner for MBBS examinations
- Treasurer of ISRPT-Puducherry branch.
Dr. S. Manikandan

- Leader, Medication Safety group, JIPMER Quality Council
- Teaching In-charge for MBBS Course (Along with Dr.Gitanjali .B)
- Member of the NTTC core-group, interns orientation programme, PG orientation programme and training programme on research methodology for postgraduates and doctoral students.
- Secretary of ISRPT-Puducherry branch.

Dr. A. Surendiran

- Member Secretary for Plagiarism Checking Committee, JIPMER
- Member of the committee for the JIPMER Annual Report/ Research Framework Document (RFD)/ JIPMER’s input for Ministry’s Annual Report
- Admin for Online Project Management System
- Admin for software services in JIPMER – iThenticate, Grammarly, Reference Manager
- Member of the NTTC core-group, interns orientation programme, PG orientation programme and training programme on research methodology for postgraduates and doctoral students.

Dr. C. Girish


Dr. R. Kesavan

- Deputy Officer in-charge, Dept. of Hospital Pharmacy JIPMER
- Officer in-charge of Pharmacogenomics laboratory, Dept. of Pharmacology, JIPMER
- Officer for conduct of annual physical verification of stores for Guest House I & II
- Member of JIPMER Quality Council
- As Representative Officer of several JIPMER tender opening for the year 2014.

Significant events in the department

- Dr. Samir Malhotra, Additional Professor, Department of Clinical Pharmacology, PGIMER, Chandigarh visited the Department during 11th-13th, September, 2014. During the visit, he gave a talk on various phases of clinical trials, systematic reviews and meta-analyses (including a talk on “Pioglitazone & bladder cancer – will it survive the 2nd innings?”).
- Dr. Ramesh K Goyal, the former Vice-Chancellor of MS University, Baroda visited the department on 17th Jan 2015. He is currently Executive Adviser (Research & Strategies), VClin BioLabs, Central Research Facility, Sri Ramachandra Medical Center, Sri Ramachandra University, Chennai. He delivered a talk on “Development of innovative therapeutics and diagnostics through genome-based biomarkers: a dream” and interacted with faculty members, PGs & PhD students.
- Dr. M. Raj Rajasekaran, Research Pharmacologist at the University of California, USA visited the Department of Pharmacology, JIPMER on 19th Jan 2015. He delivered few talks on the following topics for the benefit of PG and PhD students:
- He gave a talk and showed short videos of experimental set-up and techniques with mouse as an experimental model in novel gastrointestinal and genitourinary studies.
- He also gave another talk on ‘Targeting Wnt-β catenin Signaling Pathways in Age-related Anal & Urethral Sphincter Muscle Dysfunction’.
- An interactive session with the post-graduate students and the PhD scholars was arranged and he gave them useful advices and practical tips for carrying out the research projects.
- Three pharmacists from DPR-Korea were given training on various aspects of ‘Essential medicines’ under WHO Fellowship programme from 10th to 24th February 2015.
# DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

**Faculty List:**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>Jagdish Menon</td>
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<tr>
<td>Asst Professor</td>
<td>Navin Kumar</td>
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**Staff**

**Physiotherapy Section**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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<tbody>
<tr>
<td>Senior Physiotherapist</td>
<td>V. Kaleeswaran</td>
</tr>
<tr>
<td>Junior Physiotherapist</td>
<td>M. Suganthi</td>
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<tr>
<td></td>
<td>V. Banumathy</td>
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<td></td>
<td>J. Mohanakrishnan</td>
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<td>R. Salaja</td>
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<td>L. Sivagami</td>
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<td>A. Jebraj Fletcher</td>
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<td>R. Sathiaraj</td>
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<tr>
<td>Physiotherapy Technician</td>
<td>D. Rajakumar</td>
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**Occupational Therapy Section**

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<tr>
<th>Role</th>
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<tr>
<td>Senior Occupational Therapist</td>
<td>S. Sathish Kumar</td>
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<tr>
<td>Junior Occupational Therapist</td>
<td>J. B. Sujatha</td>
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<td></td>
<td>R. Prasanna</td>
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<td>Josemary Sangeetha</td>
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<td>Bandana Senapati</td>
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<td>Suba Growther</td>
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<td>Kurinji Chelvan</td>
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<tr>
<td>Craft Teacher</td>
<td>D. Coumaracourobhare</td>
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**Prosthetics Section**

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<tr>
<th>Role</th>
<th>Name</th>
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<tr>
<td>Prosthetist</td>
<td>K. Mathivanan</td>
</tr>
<tr>
<td>Prosthetic Technician</td>
<td>Anand Padmanabhan</td>
</tr>
<tr>
<td></td>
<td>J. Prakash</td>
</tr>
</tbody>
</table>
Prosthetic Craftsman : S.X. Herald Felix Xavier
Carpenter : Gilbert Rajsekar

**Orthotic Section**

Orthotist : K. Srikanth
Orthotic Technicians : Mana Govinda Dalai
 : Chandra Shekhar Tiwary
Orthotic Craftsman : M. P. K. Mohanan
 : V. Sargunan
Cobbler : D. Narayanan

**Background Information**

The PMR Department has been functional in JIPMER since 1986. The PMR OPD is functioning regularly since Feb 2012 and in-patient services resumed from August 2013. The Department has been associated with UG teaching along with Orthopaedics and peripheral posting of PG students from Orthopaedics and Immunology. It is also associated with training of MPT students from PT College (MTPGIHS) teaching of MRO trainees, nursing students.

The Physiotherapy Section and the Occupational therapy Section started in JIPMER in the year 1966 under Orthopaedics Department. In addition to routine duties, therapists also attend special clinics like CP clinic / Poliomyelitis clinics. The Orthotic section was started in 1968 and it provides different types of orthoses to patients. Prosthetics section is functioning since 1986 at PMR block. Amputees who are referred by various Departments are fitted with appropriate prosthesis.

**Education Courses:**

- MBBS classes along with Orthopaedics.
- Intern posting for 15 days.
- Peripheral posting of PG from Orthopaedics and Immunology (Post-doctoral)
- B. Sc Nursing & MRO trainees.
- MPT students from MTPGIHS.
- Biomedical MTech Intern from VIT, Vellore

**Conferences and CMEs organized by the Department**

- The Department of Physical Medicine and Rehabilitation, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) organized one day continuing medical education (CME) programme entitled ‘PMR – Disability and Beyond’ at SSB Auditorium, JIPMER on Sunday, 15 February 2015. It was mainly aimed to increase the awareness of PMR and its services, among the faculty and students of JIPMER.
- The Occupational Therapy section of PMR Department celebrated ‘World Occupational Therapy Day’ on 27th October, 2014 as a part of JIPMER Golden Jubilee Celebrations. In this context, a counselling and guidance camp for persons with Disabilities was organized on 01st
November 2014 by the Occupational Therapy Section of PMR Department in collaboration with Department of Preventive and Social Medicine (PSM) at Jawaharlal Institute Rural Health Centre (JIRHC), Ramnathapuram along with the help of Department of Psychiatry.

Conferences and CMEs Attended by

Faculty :-

Dr. Navin Kumar, Asst. Prof of PMR

- Attended the ‘Orientation Workshop on Epidemiology’ on 26th and 27th June, 2014, organized by Research Division at JIPMER.
- Attended the ‘Orientation Workshop on Animal Research’ on 30th June, 2014, organized by Research Division at JIPMER.
- Attended the ‘Good Clinical Research Practice’ conference on 22nd and 23rd August, 2014, organized by Department of Clinical Pharmacology at JIPMER.
- Attended the Workshop ‘Research Grant Proposal Writing’ on 24th and 25th October, 2014, organized by Research Division at JIPMER.
- Attended as healthcare provider, Counseling and guidance camp for persons with Disabilities on 1st November 2014 by the Occupational Therapy Section of PMR Department in collaboration with Department of Preventive and Social Medicine (PSM) at Jawaharlal Institute Rural Health Centre (JIRHC), Ramnathapuram.
- Organizing Secretary for CME entitled ‘PMR – Disability and Beyond’ and delivered a talk on Disability Evaluation’ on 15th February 2015 at JIPMER.
- Attended the ‘NTTC Teachers Training Course for Health Professionals’ from 16th February to 21st February, 2015 organized by Department of Medical Education at JIPMER.

Physiotherapy Section

Mr. V. Kaleeswaran, Senior Physiotherapist

- provided Physiotherapy services for screening cum Health camp on 04-04-2014.
- Attended “Holistic Health Care and Hypertension” at JIPMER on 22-05-2014.
- Attended workshop on “Reducing the Possible Risk of Breast Cancer - Role of Physiotherapy” at JIPMER in Aug 2014.
- Attended Physiotherapy Seminar in “Recent Technique in Cervical Spondylitis and “Axillary Web Syndrome following Breast Cancer Surgery” at MTPG and RIHS in Sep 2014.
- Attended Health awareness Camp 2014 Cardio-Respiratory Fitness at MTPG and RIHS on 29-09-2014.
- Attended ‘Skull Base Conference’ conducted by Neuro Surgery Department at JIPMER from 09-10-2014 to 12-10-2014.

Mrs. M. Suganthi, Junior Physiotherapist

- Attended Women Wellness awareness programme held at JIPMER on World Women’s Day on 21-08-2014.
Attended World Heart day held at MTPG and RIHS on Sept 2014.
Attended ‘World Physiotherapist Day’ celebrations at MTPG and RIHS on Sep 2014.
Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER.

Mrs. Bhanumathy Mohankrishnan, Junior Physiotherapist
Delivered an introductory speech on the awareness of physical therapy and its role in Hypertension on the event of “World Hypertension day’ on 22-05-2014.
Attended Women Wellness awareness programme held at JIPMER on World Women’s Day on 21-08-2014.
Attended a CME on ‘Axillary Web syndrome’ on 09-09-2014 on the event of World Physiotherapy Day.
Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

Mr. J Mohankrishnan, Junior Physiotherapist
Presented paper entitled “Accelerated TKR Protocols” and “VMO and its challenges” at Ortho One Hospital, Coimbatore in Jun 2014.
Presented paper entitled “Research for Physiotherapists” held at SRM college of Physiotherapy, Chennai on Dec 2014.
Presented paper entitled “Scapular Screening in over head shoulder injuries” at Health education conference in Physical Education College, Thiruppatthur in Dec 2014.
Presented paper entitled “Physiotherapy and beyond” at Nandha college of Physiotherapy, Erode on Dec 2014.
Delivered a talk show on ‘Yoga and fitness’ at All India Radio, Puducherry from 1st to 4th January 2015
Presented paper entitled “Yoga in Musculoskeletal disorders” at SVMCH, Ariyur, Puducherry on Jan 2015.
Presented paper entitled “Yoga and diabetes” in the International Yoga Festival at Puducherry Jan 2015.
Presented paper entitled “Shoulder Rehab Updates” in ACPT, Chennai in Feb 2015.
Presented paper entitled “Role of Physiotherapy in Rehabilitation” in an One day CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER.
Presented paper entitled “Yoga for Diabetes” at East Coast Hospitals, Puducherry in Mar 2015.
Attended ‘Awareness on Paediatric Oncology’ organized by social service wing, JIPMER, Puducherry.

Mrs. R.Salaja, Junior Physiotherapist
Attended and Presented a talk on the “Importance of Physical Exercises and aerobics” in the workshop on “Holistic Health Care for Women with Breast Cancer” at JIPMER in July 2014.
- Presented a talk on “Reducing the Possible risk of Breast Cancer- role of Physiotherapy” in well Women workshop organized by MSSW, JIPMER, Puducherry on 21-08-2014.
- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Mrs. Sivagami, Junior Physiotherapist**

Attended Women Wellness awareness programme held at JIPMER on World Women’s Day on 21-08-2014.
- Attended World Heart day held at MTPGIHS in September 2014.
- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Occupational Therapy Section**

**Mr. S Sathish Kumar, Senior Occupational Therapist**

- Delivered a lecture and demonstrated on topic “Ergonomics” on 10-04-2014 and 11-04-2014 in an Awareness Campaign as resource person along with Preventive Social Medicine Department at Integra Software Limited for the Industrial workers/Employees.
- Attended Well Women Workshop and presented poster entitled ‘Occupational Therapy Role in Breast Cancer Rehabilitation’ organised by Medico Social Services Wing as part of “Staff Wellness Programme” on 21-08-2014 at SSB Auditorium, JIPMER, Puducherry.
- Organised Counseling and Guidance Programme on 01-11-2014 at Rural Health Centre, Ramanathapuram, JIPMER Branch on connection with “World Occupational Therapy Day on 27-11-2014”.
- Attended as Delegate for CME and seminar on 16-12-2014 with theme “Preparation of Manuscript and Publication of Research Papers in Indexed Journals” organised by Department of Physiology at JIPMER Mini Auditorium with Ist National conference of Association of Physiologists of India Golden Association – 2014
- Attended and delivered a talk on ‘Ergonomics for Professional’ and shared co-authorship for the paper entitled ‘Role of Occupational Therapy in Rehabilitation’ and poster entitled ‘Early identification and intervention in Autism : Its never too late’ in CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER
- Presented a paper on 16/3/2015 titled ‘Feeding Infants with Craniofacial Malformations – A Challenge to the Mother - An Occupational Therapists Perspective’ in the Cleft Lip & Palate Awareness Week Celebrations by Department of Plastic Surgery from 12/3/2015 to 18/3/2015

**Mrs. Sujatha J.B, Junior Occupational Therapist**

- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Mrs. Jose Mary Sangeetha, Junior Occupational Therapist.**

- Participated in the Camp held on 01-10-2014 at Ramanathapuram Village for World Occupational Therapy Day.
Attended and delivered a talk on ‘Role of Occupational Therapy in Rehabilitation’ in CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Mrs. Bandana Senapati, Junior Occupational Therapist.**

- Participated in the Camp held on 01-10-2014 at Ramanathapuram Village for World Occupational Therapy Day.
- Attended and Presented a poster entitled ‘Early identification and intervention in Autism : Its never too late’ in CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER
- Mr. Kurinji Chelvan. Junior Occupational Therapist
- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER.
- Mr. D Coumaracourourbarane, Craft Teacher.
- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER.
- Attended Training programme on Eco Friendly Products conducted by MSME Development Institute Chennai, govt of India from 23-02-2015 to 27-02-2015

**Prosthetics Section**

**Mr. Mathivanan K, Prosthetist**

- Attended and delivered a talk on ‘Role of Prosthetics and Orthotics in Rehabilitation’ in an CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Mr. M. Ananda Padmanabhan, Prosthetic Technician**

- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Mr. J. Prakash, Prosthetic Technician**

- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Mr. S X Herald Felix Xavier, Prosthetic Technician**

- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Orthotics Section**

**Mr. Mana Govinda Dalai, Orthotic Technician**

- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER

**Mr. V. Sargunan, Orthotics Craftsman**

- Attended CME entitled ‘PMR – Disability and Beyond’ on 15th February 2015 organised by Department of Physical Medicine and Rehabilitation at JIPMER
Research Project

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From To)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2014-15 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bhanumathy Mohankrishnan</td>
<td>The effect of taping technique on immediate pain relief and grip strength increase in patients with lateral epicondylitis</td>
<td>12 Months 2013-2014</td>
<td>NA</td>
<td>NA</td>
<td>On-going statistical analysis</td>
</tr>
<tr>
<td>2.</td>
<td>J Mohankrishnan</td>
<td>The effects of eccentric exercises over joint play techniques and conventional physiotherapy in Non-traumatic shoulder stiffness.</td>
<td>10 Years 2004-2014</td>
<td>NA</td>
<td>NA</td>
<td>On-going statistical analysis</td>
</tr>
</tbody>
</table>

Publication
Nil

Patient Care Services

PMR OPD
- Referred patients from various departments including Orthopedics, neurology, neurosurgery, immunology, plastic surgery, paediatrics etc are attended and appropriately advised for physiotherapy, occupational therapy and provided appropriate appliances, if needed. Besides this, patients are also attended bedside in various wards and ICUs.

Physiotherapy and Occupational Therapy Section
- Physiotherapy and Occupational Therapy services are provided to the patients as out-patient department service in forenoon and In-patients services in the afternoon sessions. In addition to routine duties, therapists also attend special clinics like Poliomyelitis/ cerebral palsy clinic.
- Patients referred from various OPDs are evaluated and taken up for regular therapy (pain management & rehabilitation) and follow-up

Prosthetics Section
- Axillary Crutches to amputees.
- Elbow crutches to amputees.
- Upper limb prosthesis to amputees
- Lower Limb Prosthesis to amputees.
- Upper limb repair work on old prosthesis.
- Lower limb repair works on old prosthesis.
- Gait training to amputees on trial limb.
- In-patient and out-patient prosthetic evaluation assessment for new patients.

**Orthotics Section**
- Provides Orthoses to patients suffering from polio, cerebral palsy, spinal disorders, scoliosis, contraction of the toes, finger etc.
- Providing Orthoses to orthopaedically handicapped patient
- Supportive orthoses to patients with mental disorder spastic children
- Providing walking aids
- Providing modern, light weight updated orthoses to the needy patient

**Awards, Honours and other Personal Achievements**

**Dr. Navin Kumar, Asst. Prof of PMR**
- Membership of the International Society of Physical & Rehabilitation Medicine (ISPRM)
- Executive Member of JIPMER Scientific Society (JSS) for the year 2015.

**Mr. J Mohankrishnan, Junior Physiotherapist**
- Won Best Paper Award for paper entitled ‘Yogasana (Shashangasana) in Shoulder dysfunction’ at Physical Education Conference held at Coimbatore, Dec 2014.

**Mrs. R. Prasanana, Junior Occupational Therapist.**
- Completed PG in pediatrics with 1st Rank (Gold Medal).
- Completed certification course in ‘Handwriting without tears’.

**Mrs. Bandana Senapati, Junior Occupational Therapist.**
- Awarded second prize in English Essay on the topic ‘Healthy life’ and 3rd prize in English Poem on the topic ’Parents’, organized by Jipmer staff recreational club in the month of March.

**Mr. D Coumaracouroubarane, Craft Teacher.**
- Completed M.Sc Yoga for Human Excellence at Physical Educations and Sports University Chennai.

**Administrative, Patient Care, Educational, Research and Other Assignments. -**

**Dr Navin Kumar, Assist Prof of PMR –**
- Member of Geriatric OPD and Screening OPD Committee.
- Member of JIPMER Quality Council (JQC) – Work place Safety Group
- Mr. S Sathish Kumar, Senior Occupational Therapist has been deputed as Officer on duty by the Director, JIPMER to NIMHANS Bangalore on 11-02-2015 to 12-02-2015 as on duty for preparing Inputs, Plans and requirements for setting up of Vocational Rehabilitation Centre at JIPMER
• Mr. Srikanth K., Orthotist, General Secretary of JIPMER Hospital Employees Union (JHEU)

• Mrs. M. Suganthi, Junior Physiotherapist, Institute representative for JIPMER MBBS Entrance Exam in June, 14

• Mrs. J. Mohanakrishnan, Junior Physiotherapist, Officiated as an inspection officer for permanent University affiliation for Puducherry University to at MTPG and RIHS college of physiotherapy in August 2015 and to AVMC college of physiotherapy in Feb 2015

Mrs. L. Sivagami, Junior Physiotherapist

• Appointed as an external examiner in SRM college of Physiotherapy.

• Institute representative for JIPMER MBBS Entrance Exam in June, 14

  • Mrs. Bandana Senapati, Junior Occupational Therapist - Member of JIPMER Quality Council (JQC) – Emergency Room Group
  • Mr. J.Prakash, Prosthetic Technician: President of JIPMER Staff Recreation club (JSRC).
  • Mr. Herald Felix S. Xavier, Prosthetic Craftsman: Executive member of JIPMER Staff Recreation club (JSRC).
  • Mr. V. Sargunan, Orthotic Craftsman: Executive member of JIPMER Staff Recreation club (JSRC).
  • Mr. Gilbert Rajasekar, Carpenter: Executive member of JIPMER Staff Recreation club (JSRC).
  • A Physical therapy protocol developed by Physiotherapy Section for “POST MASTECTOMY IN BREAST CANCER SURGERY” was framed and is being followed since March 2014.

Significant Events in the Department

A trilateral amputee, Right transfemoral amputation, Left transtibial amputation and Right transradial amputation was fitted with prosthesis and rehabilitated successfully
Faculty List:

Professor & Head: G. K. Pal (Up to 01.03.2015)
G. S. Gaur (From 02.03.2015)

Professors: Pravati Pal

Additional Professor (From 09.09.14): Vivek Kumar Sharma

Associate Professor: S. Velkumary

Assistant Professors: Y. Dhanalakshmi
S. Karthik
N. Prabu
Basant Manjari Naik

Background Information of the Department

The Department of Physiology is among the premier departments in JIPMER, started with the inception of the institute. The physiology department is providing medical education and training to undergraduate and postgraduate medical students, and also to the students of various paramedical courses. Also, the department is involved in clinical investigations on electrophysiological diagnostic procedures, pulmonary functions tests and autonomic function tests for hospital patients. The unique feature of the physiology department is that the electrophysiology laboratory is providing hospital services in patient management for more than thirty years. Also, research activities are conducted vigorously in various laboratories of the department. Department has a state of the art animal research laboratory. The yoga research, therapy and training are important routine features of the department. The Advanced Center for Yoga Therapy, Training, Education and Research (ACYTER) of JIPMER is under the Department of Physiology. The Department of Physiology has conducted many national conferences, CMEs and workshops in Physiology and Yoga.

Educational Courses

Undergraduate courses

The department continues with its undergraduate UG teaching Programme (two semesters), which includes MBBS, B.Sc. (Nursing) and B.Sc. (Medical Laboratory Technology) B.Sc. (AMS) – Dialysis Technology / Medical Radiation Technology / Operation Theatre Technology / Perfusion Technology / Neurotechnology / Cardiac Lab Technology / Nuclear Medicine technology

Postgraduate courses

These include seven MD students and four M.Sc (Medical Physiology) per year. Nine M.Sc (Medical Biochemistry) students come to Physiology for their first year teaching Programme.
Research Courses
At present five Ph. D candidates are doing their research.

Other courses
Medical Records Technician (six month course), Medical Records Officers (One year course), Emergency Medical Technician Course (nine months course).

Conference and CMEs Organised by the Department
- The following workshops were organized by the Division of Research and Department of Physiology, JIPMER:
  - Orientation workshop on “Animal and Lab Experimentation” on 30th June and 31st July 2014.
  - A workshop on “Biosafety in Recombinant DNA Research” on 21st August 2014.
- The First National Conference of the Association of Physiologists of India, Golden ASSOPICON 2014 was organized from 15th to 19th December 2014, as part of the Golden Jubilee Celebrations of JIPMER. The Conference was inaugurated by Padmashri Dr. Indira Chakravarty, Former Director, AIHIHP, Kolkata & Health Advisor to President of India. The theme of the conference was “Physiology in 21st Century: Contribution to Clinical Medicine”.
- Two parallel preconference workshops were conducted on 15th December 2014 on the topics Viz.
  - Workshop 1: Cardiac and Autonomic Function tests, and
  - Workshop 2: Clinical and Experimental Neurophysiology.
- A CME on “Preparation of Manuscript and Publication of Research Papers in Indexed Journals” was organized on 16th December 2014.

Conference and CMEs Attended By Faculty
Dr. G.K. Pal

International
- Was the invited Key Note Speaker of the 4th Biennial Conference of South Asian Association of Physiologists & the 3rd National Convention of Bangladesh Society of Physiologists, held on 6th and 7th December 2014 at Dhaka, Bangladesh and delivered a lecture on ‘Effects of Yoga on Cardiovascular Risks attributed by Sympathovagal Imbalance in various Clinical disorders’.

National
- As Coordinator and resource faculty for the two orientation Workshops for JIPMER Faculty on ‘Animal and Lab Experimentation’, on 30th June and 31st July 2014.
- Was the resource faculty in the Orientation Workshop on ‘Biosafety Norms in Recombinant DNA Research’, for faculty, resident, PhD students and JIPMER IBSC members’, on 21st August, 2014 organised by the Division of research and the Department of Physiology.
- Attended the workshop on “Good Clinical Research Practice” organized by the Department of Clinical Pharmacology, JIPMER, on 22 and 23rd August 2014.
- Delivered a Guest lecture on the topic ‘Selecting a Relevant Title and Writing the Manuscript’ in the workshop on ‘Book writing and meet the publishers’ organized by JSS and Division of Research, JIPMER on 7th November 2014 at conference hall, SSB, JIPMER.
- Was the symposium leader and also delivered a talk on ‘Cardiovascular Risks: Pathophysiology’ in the symposium on ‘Role of yoga in alleviation of cardiovascular risk’ at the 60th Annual Conference APPICON 2014 held from 20th to 22nd November 2014 at Puri, organized by the Department of Physiology, S.C.B Medical College, Cuttack, Odisha. He also delivered a talk on ‘Tips for Making a Good Paper’ in the symposium on ‘Problems and perils of publications’.

- Delivered a talk on ‘Yoga and Heart Rate Variability’ in the symposium ‘Effects of yoga on stress and heart rate variability’ during ASSOPICON 2014 conducted during 15th to 19th December 2014.

- Delivered a talk on “Revision of Manuscript with Special Emphasis on How to Address Reviewers’ Comments” during the CME on ‘Preparation of manuscript and publication of research papers in indexed journals’ conducted by the department of Physiology, JIPMER on 16th December 2014.

- Delivered a Guest lecture on “Cardiopulmonary Changes in Exercise” during the CME on ‘Role of exercise on cardiopulmonary health’ conducted by the department of Physiology, IGMC & RI, Puducherry on 9th January 2015.

- Was the Key Note Speaker and delivered a talk on “Physiology of Yoga for Middle Aged” during the National Conference of Yoga from 12th-18th February 2015, organized by Morarji Desai National Institute of Yoga, New Delhi.

- Was the Key Note Speaker and delivered a talk on “Yoga and Autonomic Functions” in the National CME cum Workshop on ‘Physiology in clinical practice: Autonomic and vascular function testing’, conducted by Chhattisgarh Academy of Medical Physiologists and Directorate of Medical Education, Chhattisgarh, on 30th March 2015.

**Dr. G.S. Gaur**

- Participated in the orientation workshop on “Animal and Lab Experimentation” organized by Division of Research JIPMER and Department of Physiology, JIPMER on 31st July 2014.

- Participated in the workshop on “Biosafety In Recombinant DNA Research” organized by Division of Research and the Department of Physiology, JIPMER on 21st August 2014.

- Attended and successfully completed the workshop on “Creative & study skills - basic level 1” from Jayasimha Mind Dynamics held in Puducherry from 12th to 18th October 2014.

- Participated as a delegate in the workshop on “Research Grant Proposal Writing” Organized by Division of Research, JIPMER and Department of Pediatrics, JIPMER on 24th & 25th October 2014.

- Participated as a delegate in the workshop on “Book Writing & Meet the Publishers” Organized by JIPMER Scientific Society and Division of Research, JIPMER on 7th November 2014.

- Delivered an invited guest lecture on “Physiology of Yoga” and also chaired a scientific session in the First National Conference of Association of Physiologists of India, the Golden ASSOPICON 2014, held at JIPMER from 17th to 19th December 2014.

- Was a resource faculty for the workshop on “Clinical and Experimental Neurophysiology” conducted by the department of Physiology, JIPMER on 15th December 2014.

**Dr. Pravati Pal**

- Delivered a guest lecture on“Physiology of Wound Healing”(8,786),(988,990) in the CME and training workshop
on “Wound simulation course”, organized by the Department of Plastic Surgery, JIPMER, on 18th July 2014.

- Attended the workshop on “Workplace Based Assessments” organized by the Department of Medical Education, JIPMER on 19th July 2014.

- Attended the Orientation workshop on “Animal and Lab Experimentation” organized by the Division of Research and Department of Physiology, JIPMER on 31st July 2014.

- Attended the workshop on “Biosafety in Recombinant DNA Research” organized by the Division of Research and Department of Physiology, JIPMER on 21st August 2014.

- Attended the workshop on “Good Clinical Research Practice” organized by the Department of Clinical Pharmacology, JIPMER, on 22nd and 23rd August 2014.

- Attended the workshop on ‘Book writing and Meet the Publishers’ organized by JSS and Division of Research, JIPMER on 7th November 2014 at conference hall, SSB, JIPMER.

- Delivered an invited guest lecture on ‘Health Impacts and Assessment of Cardiovascular Risks’ in 60th Annual Conference APPICON 2014 held from 20th to 22nd November 2014 at Puri, organized by the Department of Physiology, S.C.B. Medical College, Cuttack, Odisha.

- Delivered a talk on ‘Physiology of Pain’ and chaired a symposium and a scientific session of free paper presentation during ASSOPICON 2014 conducted during 17th to 19th December 2014.

- Delivered a guest lecture on “Citing References in the Text and Writing References in the Reference List” during the CME conducted by the department of Physiology, JIPMER on 16th December 2014.

- Was a Resource Faculty in the workshop on “Clinical and Experimental Neurophysiology” conducted by the department of Physiology, JIPMER on 15th December 2014.

- Participated and chaired a session in the CME on ‘Role of Exercise on Cardiopulmonary Health’ conducted by the department of Physiology, IGMC &RI, Puducherry on 9th January 2015.

- Participated in the CME on ‘Introduction to Palliative Medicine’ conducted by the department of P&SM, and Regional Cancer Centre, JIPMER, Puducherry on 30th January 2015.

- Attended the “Short course on Biostatistics & Epidemiology for Clinical and Public Health Research using SPSS”, from 23rd to 27th February, 2015 at CMC Vellore.

**Dr. Vivek Kumar Sharma**

- Attended as a participant in SLEEPCON 2014, International Conference on Sleep Disorders, organized by Indian Sleep Disorders Association from 18th to 20th April 2014 at Chennai.

- Attended workshop as a participant on “Biosafety in Recombinant DNA research” organized by Institutional Biosafety Committee, JIPMER on 21st August 2014 in JIPMER.

- Attended a NLP training programme on 22nd to 29th September 2014 in GRT Grand, Chennai.


- Delivered Guest lecture on topic titled “Alleviation of Cardiovascular risks by Physical exercises and Yogasanas” in 60th Annual Conference Of Physiologists and Pharmacologists (APPICON 2014) held from 20th to 22nd November 2014, organized by SCB Cuttack Medical College, Odisha.
Delivered Guest lecture on topics titled “Role of Exercise in the Prevention of Diseases” and “Medical Applications of Neuroplasticity” in the First National Conference of Association of Physiologists of India (Golden ASSOPICON 2014) held at JIPMER from 17th to 19th December 2014.

Was a resource faculty in the workshop on “Cardiac and autonomic function tests” conducted by the department of Physiology, JIPMER on 15th December 2014.

Attended CME cum Workshop on “Innovative research methods based on cost effective equipments in Physiology”, held at Sri Venkateshwara Medical College Hospital & Research Centre on 12th January 2015.

Delivered Guest lecture on topic titled “Role of Neuroplasticity in Memory and its Innovative Medical Applications” in National Seminar entitled “Novel Approaches in Cognitive and Molecular Neurobiology” organized by Department of Medical Biochemistry, Dr. ALMPGIBMS, University of Madras, Taramani, Chennai on 18th March 2015. Also, chaired scientific session of free paper presentation during the seminar.

Completed Certificate Program in Public Procurement (CPPP), organized by World Bank and the partner institutions of Charter for Public Procurement Studies (CPPS) offered in MOOC format.

Presenting Lecture series on Health related topics on the radio program “Radio Tutor” at “Puduvai Vaani”, Community Radio Station (FM 107.8 MHz) established by Pondicherry University under the aegis of Ministry of Information and Broadcasting, Government of India.

Dr. S. Velkumary

Participated as a delegate in SLEEPCON 2014 (International Conference on Sleep Disorders) organised by Indian Sleep Disorders Association from 18th to 20th April 2014 at Chennai.

Participated in the Orientation Workshop on ‘Animal & Lab Experimentation’ at JIPMER on 31st July 2014.

Attended the Workshop on ‘Workplace Based Assessment’ at JIPMER on 19th July 2014.

Attended Workshop on ‘Biosafety in Recombinant DNA research’ on 21st August 2014.

Participated in the workshop on ‘Research Grant Proposal Writing’ at JIPMER on 24th to 25th October 2014.

Attended & presented a paper titled “Impact of 48 hours of Sleep Deprivation on P300 Event Related Potential in Adult Male Athletes” at APTCON 2014 held at Madha Medical College & Research Institute, Chennai on 11th & 12th October 2014.

Participated in the orientation workshop on ‘Clinical Research Methodology’ organized by division of research at JIPMER on 10th November 2014.

Attended & delivered a guest lecture titled “Effects of Pranayama on Alleviation of Cardiovascular Risk” in the symposium organized during the conference APPICON 2014 held at Puri, Odisha from 20th to 22nd November 2014.

Attended & presented a paper titled “Assessment of Baroreceptor Sensitivity in patients with Psoriasis Vulgaris” in the first National Conference of ASSOPICON 2014 held at JIPMER from 17th to 19th December 2014.
Attended & presented a guest lecture titled “Pathophysiology of Obesity” in the symposium organized in the first national conference of ASSOPICON 2014 held at JIPMER from 17th to 19th December 2014.

Was a Resource Faculty in the workshop on “Cardiac and Autonomic Function Tests” conducted by the department of Physiology, JIPMER on 15th December 2014.

Participated & chaired a session in the CME on “Role of Exercise in Cardiopulmonary Health” at IGMC&RI, Puducherry on 9th January 2015.

Attended a CME on ‘Therapeutic Potentials of Yoga’ at Sri Venkateswara Medical College Hospital and Research Centre on 20th January 2015.

Attended a CME on ‘Workshop on Bioethics’ on 24th January 2015 at JIPMER.

Attended a CME on ‘Introduction to Palliative Medicine’ on 31st January 2015 at JIPMER

Dr. Y. Dhanalakshmi

Participated in ‘2nd Orientation Workshop on Epidemiology’, organized at JIPMER on 26th and 27th June 2014.

Participated in the workshop on ‘Workplace Based Assessments’ at NTTC, JIPMER on 19th July 2014.


Participated in the conference APTCON 2014 at Madha Medical College and Research Institute, Chennai on 11th & 12th October 2014.

Participated in the workshop on ‘Research Grant Proposal Writing’ at JIPMER on 24th to 25th October 2014.

Participated in the workshop on ‘Clinical Research Methodology’ at JIPMER on 10th November 2014.

Attended & presented a paper on ‘Hand Grip Strength, Endurance Time, Heart Rate and Blood Pressure Changes in Smokers’ at APPICON 2014 held at Puri, Odisha from 20th to 22nd November 2014.

Was a Resource Faculty in the workshop on “Clinical and Experimental Neurophysiology” conducted by the department of Physiology, JIPMER on 15th December 2014.

Presented a paper on ‘Assessment of HRV in Patients with Fibroid Uterus’ in ASSOPICON 2014 held at JIPMER from 17th to 19th December 2014. Also presented an invited guest lecture on ‘Genomics and Physiology’ during the conference.

Attended the CME on ‘Role of Exercise in Cardiopulmonary Health’ at IGMC & RI on 9th January 2015.

Attended the CME on ‘Therapeutic Potentials of Yoga’ at SVMC & RI on 20th January 2015.

Attended the CME on ‘Workshop on Bioethics on 24th January 2015 at JIPMER

Attended the CME on ‘Introduction to Palliative Medicine’ on 31st Jan 2015 at JIPMER.

Attended a short course in biostatistics on ‘Sample size calculation from 23rd to 25th March 2015 at CMC Vellore.
Dr. S. Karthik

- Participated in “Orientation workshop on Epidemiology” conducted by Department of PSM, JIPMER on 29th and 30th May 2014.
- Participated in Orientation on Animal research conducted by Department of Physiology, JIPMER on 30th June 2014.
- Participated in Orientation workshop on ‘Clinical Research’ conducted by Department of Anaesthesia, JIPMER on 27th July 2014.
- Participated in Orientation workshop on ‘Research Grant Proposal Writing’ conducted by research division and Department of Paediatrics, JIPMER on 10th and 11th October 2014.
- Chaired a session in e-poster presentation during the National Physiology Conference ‘Golden-ASSOPICON 2014’ conducted by Department of Physiology, JIPMER on 18th Dec 2014.
- Was a Resource Faculty in the workshop on “Cardiac and Autonomic Function Tests” conducted by the department of Physiology, JIPMER on 15th December 2014.
- Participated in CME on “Innovative Research Methods Based on Cost Effective Instruments in Physiology” conducted by Sri Venkateshwara Medical College and Hospital on 12th January 2015.

Dr. N. Prabu

- Participated in “Orientation workshop on Epidemiology” conducted by Department of PSM, JIPMER on 29th and 30th May 2014.
- Participated in Orientation on Animal Research conducted by Department of Physiology, JIPMER on 30th June 2014.
- Participated in Orientation on Clinical Research conducted by Department of Anaesthesia, JIPMER on 27th July 2014.
- Participated in Orientation workshop on ‘Research Grant Proposal Writing’ conducted by research division and Department of Paediatrics, JIPMER on 10th and 11th October 2014.
- Delivered a guest lecture on ‘Physiology of Stem Cells’ in National Conference ASSOPICON 2014 conducted by Department of Physiology, JIPMER.
- Chaired a session in poster presentation during a National Physiology Conference “Golden ASSOPICON 2014” Conducted by Department of Physiology, JIPMER on 19th Dec 2014.
- Was a Resource Faculty in the workshop on “Cardiac and Autonomic Function Tests” conducted by the department of Physiology, JIPMER on 15th December 2014.
- Participated in CME on “Innovative Research Methods Based on Cost Effective Instruments in Physiology” conducted by Sri Venkateshwara Medical College and Hospital on 12th January 2015.
- Participated in postgraduate lecture series ‘PHYSIO-PHYS STAN 15’ organized by Department of physiology, Stanley Medical College, Chennai on 30th & 31st January 2015.

Dr. Basant Manjari Naik

- Participated in the Workshop Series on ‘Capacity Building in Research’ organized by the Division of Research, JIPMER with various other Departments. These workshop series includes:
  - “Orientation Workshop on Epidemiology” held on 29th & 30th May 2014.
“Orientation Workshop on Animal and Lab Experimentation” held on 30th June 2014.
“Orientation Workshop on Clinical Research Methodology” held on 27th July 2014
“Workshop on Research Grant Proposal Writing” held on 10th & 11th October 2014
- Participated in the “Short course on Biostatistics and Epidemiology using software SPSS” held during 28th July to 1st August 2014 in the department of Biostatistics, Biostatistics Resource and Training Centre at Christian Medical College, Vellore, India.
- Participated in the Workshop on “Biosafety in Recombinant DNA Research, organized by the Division of Research and Department of Physiology, JIPMER held on 21st August 2014.
- Participated as a resource faculty in the workshop “Clinical and Experimental Neurophysiology” held on 15th December 2014 at JIPMER, Puducherry
- Participated in the CME-cum-Seminar on “Preparation of Manuscript and Publication of Research Papers in Indexed Journals” held on 16th December 2014 at JIPMER, Puducherry
- Was a Chairperson in the free paper session in “First National Conference of Association of Physiologists of India” organized by Department of Physiology JIPMER, Puducherry held on 17th to 19th December 2014.
- Participated in the CME on “Role of Exercise in Cardiopulmonary Health” organized by Department of Physiology, IGMC & RI, Puducherry held on 9th January 2015.
- Participated in the CME on “Therapeutic Potential of Yoga, organized by Department of Physiology & Medical Education, SVMCH & RC, Puducherry held on 20th January 2015.
- Participated in the National CME cum Workshop “Physiology in Clinical Practice: Autonomic & Vascular Function Testing” organized by Chhattisgarh Academy of Medical Physiologists, Directorate Medical Education, Chhattisgarh held on 30th March 2015 at Dr. B. R. A. M Hospital, Pt. J. N. M Medical College, Raipur, Chhattisgarh.

### Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. G.K. Pal</td>
<td>Effect of yoga on cardiovascular risks in first degree relatives of hypertensives and type II diabetics</td>
<td>2014-15</td>
<td>Nil</td>
<td>---</td>
<td>Recordings have been completed; data compilation is going on.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. G. S. Gaur</td>
<td>Effect of eye closure and frequency on variability of flash visual evoked potentials in healthy young subjects.</td>
<td>2012-2014</td>
<td>None</td>
<td>Neurology, JIPMER</td>
<td>Compilation and analysis is going on</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Project Title</td>
<td>Year</td>
<td>Funding</td>
<td>Institution</td>
<td>Research (Summary)</td>
</tr>
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<tr>
<td>3.</td>
<td>Dr. Vivek Kumar Sharma</td>
<td>Association of anthropometric, cognitive, cardiovascular and pulmonary functions in athlete and non-athlete adolescents</td>
<td>2013-2014</td>
<td>Non funded</td>
<td>Jawaharlal Navodaya Vidyalaya, Kalapet, Kendriya Vidyalaya No. 1 &amp; Aditya Vidhyashram, Puducherry</td>
<td>Data of all the participants has been recorded and statistical analysis is going on.</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. S. Velkumary</td>
<td>Assessment of cardiovascular autonomic functions &amp; inflammatory biomarkers in patients with psoriasis</td>
<td>2 years 2013 to 2015</td>
<td>Intramural funds 2 lakhs</td>
<td>Dermatology, Microbiology, &amp; Biotechnology</td>
<td>Recordings have been completed, data compilation is going on.</td>
</tr>
<tr>
<td>5.</td>
<td>Y. Dhanalakshmi</td>
<td>Assessment of association of cardiovascular autonomic function, oxidative stress, inflammatory markers and metabolic parameters in patients with fibroid uterus.</td>
<td>One and half years (2013-2015)</td>
<td>Intramural fund. Rs/-one lakh granted.</td>
<td>Biochemistry, Obstetrics and gynecology.</td>
<td>Recordings have been completed. Investigatory parameters are to be completed.</td>
</tr>
</tbody>
</table>

**Publications**

**Journals**


**Patient Care Services**

**Laboratory**

1. Electrophysiology laboratory
   i. Motor Nerve conduction studies ... 30
   ii. Sensory Nerve conduction studies ... 59
   iii. Electromyography ... 10
   iv. Visual Evoked Potential ... 46
   v. Somato Sensory Evoked Potentials ... 01
   vi. P300 (Research) ... 62

2. Autonomic Function Test Laboratory
   i. Autonomic Function Tests (Patients) ... 186
      (Research) ... 242
   ii. Tilt Table Tests ... 38

3. Pulmonary Function Tests ... 169

4. ELISA (Research) ... 45

**Awards, Honours and Other Personal Achievements**

**Dr. G. K. Pal**

- Editor-in-Chief of International journal of Clinical and Experimental Physiology
- Programme – Director of Advanced Centre of Yoga Therapy Education and Research at JIPMER
- Vice-President of Indian Association of Biomedical Scientists for 2013 to 2015.
- Vice-President of Federation of Indian Physiological Societies of India (FIPS) for a tenure of three years from 2013 to 2015.
- Vice–President of South Asian Association of Physiologists (SAAP) from 2013 to 2015.
- Life member of Association of Physiologists of India.

**Dr. G. S. Gaur**

- Nominated as reviewer for the Indian Journal of Physiology and Pharmacology during this period.
- Officer-in-overall-charge for Hindi teaching scheme and Secretary of town official language implementation committee, Puducherry up to 27th March 2014.
- Life member of Association of Physiologists and Pharmacologists of India.
- Life member of Association of Physiologists of India.
- Life member of Indian Association of Biomedical Scientists
- Life member of Indian Medical Association
Dr. Pravati Pal

- Section Editor (Basic, Applied and Preventive Physiology) of International journal of Clinical and Experimental Physiology
- Section Editor (Basic Medical Sciences) of International journal of Advanced Medical Research
- Life member of Association of Physiologists of India.

Dr. Vivek Kumar Sharma

- Received Best Paper Award for Oral Presentation titled “Effect of six months of structured physical activity on perceived stress, executive functions and reaction time in adolescents” at VIII Annual conference of Association of Physiologists of Tamilnadu, APTCON 2014, held at Madha Medical College & Research Institute, Chennai on 11.10.14 and 12.10.14
- Received best Paper award for the oral presentation titled, “Effect of Structured Physical Activity with Unstructured Physical Activity on Cognitive Functions and Cardio Respiratory Fitness in Adolescents”, at First National conference of Golden ASSOPICON, held in JIPMER from 17.12.14 to 19.12.14
- Got promoted to the post of Additional Professor of Physiology by direct recruitment in JIPMER and joined on above mentioned post on 09.09.14.

Dr. S. Velkumary

- Received Best Paper award for the oral presentation titled, “Assessment of Baroreceptor Sensitivity in patients with Psoriasis Vulgaris”, at First National conference of Golden ASSOPICON, held in JIPMER from 17.12.14 to 19.12.14
- Life Member of Indian Association of Biomedical Scientists (IABMS)
- Member of JIPMER Scientific Society
- Life member of Association of Physiologists of India.

Dr. Y. Dhanalakshmi

- Life member of Association of Physiologists of India.
- Life member of National Teacher Training Centre, JIPMER

Dr. S. Karthik

- Life member of Association of Physiologists of India.
- Life member of National Teacher Training Centre, JIPMER

Dr. N. Prabhu

- Life member of Association of Physiologists of India.
- Life member of National Teacher Training Centre, JIPMER

Dr. B.M. Naik

- Life member of Association of Physiologists of India.
- Life member of National Teacher Training Centre, JIPMER
Administrative, Educational, Research And Other Assignments

Dr. G. K. Pal

- Member-Secretary of Institute Bio-Safety Committee (IBSC)
- Member-Secretary of JIPMER Scientific Advisory Sub-Committee (JSASC)
- Organising Chairman for Golden ASSOPICON-2014 (1ST National Conference of Association of Physiologists of India) held at Department of Physiology, JIPMER, Puducherry from 17th – 19th December 2014.
- Member of JIPMER Scientific Advisory Committee
- Member of JIPMER Ph. D. Research Monitoring Committee
- Member of JIPMER PG Research Monitoring Committee
- Member of the Committee for Phase III project work of JIPMER
- Member of JIPMER Departmental Book Purchase Committee
- Member of JIPMER Departmental Journal Purchase Committee
- Chairman - Committee for Condemnation of old and obsolete books in the central library of JIPMER
- Member of JIPMER Staff Canteen Management Committee
- Faculty-in-Charge/Coordinator for implementation of Memorandum of Understanding between JIPMER and Sri Aurobindo Society
- Member in the Committee for implementation of Obama-Singh initiative Research Project
- Member for implementation of Research in Complementary Medicine under AYUSH
- Chairman of Prize Committee of SPANDAN, 2014
- Member of Editorial board of Biomedicine, the Journal of Indian Association of Biomedical Scientists
- Officer In-charge of departmental PG programme and Ph.D. Programme.
- Member of the advisory board of International journal of Advanced Medical Research
- Member of the International advisory board of Al-ameen journal of Medical Sciences (indexed in pubmed)
- Examiner for DNB courses in Physiology at National Board of Examinations, New Delhi.
- Member of selection committee for Ph D scholars and the committee for deciding course
- Curriculum for M D and Ph D courses in Rajeev Gandhi University of Health Sciences, Bangalore, Karnataka.
- Attended as a Member the meeting of Committee on Operationalization of AYUSH Department in each AIIMS, on 4th August 2014 at New Delhi.
- Acted as Subject Expert for the selection of Yoga Trainer in the Selection Committee Meeting at AIIMS, Bhubaneswar on 13th January 2015.
- Guided one M. Sc. and three M. D. students and was co-guide for four Ph D students during this period.

Examiner for M. B. B. S., M. D. and Ph D courses in Tamilnadu Dr. M. G. R. Medical University, Rajeev Gandhi University of Health Sciences, Bangalore, Annamalai University, Chidambaram, Pondicherry University and medical colleges in Orissa, Maharashtra, Kerala, Gujarat and West Bengal.

Recognized Ph. D. guide

Dr. G. S. Gaur

Joint Secretary for organizing the Golden ASSOPICON-2014 (1st National Conference of Association of Physiologists of India) held at Department of Physiology, JIPMER, Puducherry from 17th – 19th December 2014.

Worked as Convener for workshop on “Clinical and Experimental Physiology” during the Golden ASSOPICON-2014.

Officer-in-Charge for carrying out investigations for hospital patients such as nerve conduction, EMG, evoked potentials etc. in electrophysiology laboratory.

Guided two M.D, one Ph. D, one ICMR (STS) project and Co-Guide for one Ph. D Scholar.

Acted as an expert member for the Union Public service Commission (UPSC) board for selection of Professor of Physiology at New Delhi during April 2014.

Examiner for DNB courses in Physiology at National Board of Examinations, New Delhi.

Member of doctoral committee for Ph D scholars at Satyabama University, Chennai, Tamilnadu.

Reviewer for International Journal of Advanced Medical Research and Indian Journal of Physiology and Pharmacology.

Examiner for M. B. B. S., M. D. courses in JIPMER, Tamilnadu Dr. M. G. R. Medical University, Pondicherry University and medical colleges in Puducherry.

Recognized Ph. D. guide.

Designed and modified syllabus for both practical and theory along with model question papers for M. Sc. (Medical Physiology) final year course.

Chairman - Committee for Condemnation of articles in OPD of JIPMER

Examiner for M.B.B.S, MD and PhD courses in JIPMER and Sathyabama University Chennai.

Officer in-charge for M. Sc. (Medical physiology) final year course.

Officer in-charge for condemnation of obsolete and unserviceable items for JIPMER outpatient department of JIPMER.

Worked as Officer-in-overall-charge (OIOC) for Hindi teaching scheme (HTS) at JIPMER for Pondicherry region and looks after the various Hindi teaching activities for employees of Central Govt. Offices, Public Sectors, Autonomous bodies, Banks & Insurance companies of Pondicherry. Regular Hindi classes for Prabodh/ Praveen / Pragya courses are conducted in two sessions every year under this scheme. Apart from regular Hindi classes, contact programmes
for correspondence courses are also conducted under supervision of OIOC.

- Worked as Secretary Town Official Language Implementation Committee (TOLIC) of Puducherry and looks after the activities related to implementation of official language in various Central Government offices and offices of Central Government organizations, public sectors, autonomous bodies, banks and insurance companies of Pondicherry region under the dynamic leadership and guidance of honourable Director, JIPMER who is also Chairman for TOLIC, Puducherry. Looks after Hindi fortnight celebrations organized combinedly for all these offices at JIPMER and the valedictory function for Hindi fortnight which is also organized at JIPMER.
- Member of JIPMER Quality Council (JQC) and looks after the implementation of recommendations of JQC at the Department level.
- Continue to work as Nodal Officer for Fire Safety for Academic Centre JIPMER and looks after the fire safety measures for the same.
- Assigned as Mentor for one MBBS student

Dr. Pravati Pal

- Organizing Secretary for the First National Conference of the Association of Physiologists of India, Golden ASSOPICON 2014, organized from 15th to 19th December 2014, as part of the Golden Jubilee Celebrations of JIPMER.
- Member of JIPMER Annual Report/ Research Framework Document (RFD)/ JIPMER’s input for Ministry’s Annual Report Committee.
- Member of JIPMER Equipment Requirement Review Committee (ERRC).
- Officer-in-Charge for condemnation of obsolete and unserviceable items of JIPMER horticulture department.
- Officer-in-Charge for Cardiovascular Research Laboratory and Animal Research Laboratory of the department.
- Officer In-Charge of Department store.
- Faculty—in-charge of M. Sc. (Medical Physiology) second year course.
- Guided four Ph.D students and three M.D. students and was Co-guide for one M.D. and one M.Sc. student.
- Acted as Selection Committee Member (Subject Expert) for selection of medical faculty in the department of Physiology, SVIMS, Sri Padmavathi Medical College for Women, Tirupati, on 18.09.2014.
- Acted as Observer for MBBS Theory examination at IGMC & RI, Puducherry.
- Acted as an External examiner for MBBS Practical Examination at SVMCH & RI, Ariyur.
- Member of Cultural Committee for Annual Convocation of JIPMER, 2014.
- Examiner for M.B.B.S., M.D. and Ph.D courses in Tamilnadu Dr. M. G. R. Medical University, Rajeev Gandhi University of Health Sciences, Bangalore, Annamalai University, Chidambaram, Pondicherry University, and Calcutta University.
● Recognized Ph. D. guide

**Dr. Vivek Kumar Sharma**

● Participated as the Chairman of Scientific Committee in the organizing of First National Conference of Association of Physiologists of India (Golden ASSOPICON 2014) held at JIPMER from 17.12.15 to 19.12.15

● Assistant Purchase Officer, JIPMER

● Officer in charge of Common Facility complex, New Hostel Block, JIPMER

● Member of JIPMER anti-ragging committee

● Member of Publicity committee formed for organizing Annual Convocation in JIPMER

● Member of Institute Article Store Purchase committee

● Acting as Guide for one MD student and Co-Guide for two MD students and 1 PhD student in their dissertation work

● In charge for MBBS course (2014-15 batch) for the department

● Examiner for M.D. (Physiology), BSc (MLT), BSc (AMS) and MSc courses.

● Previous in charge for BSc (AMS) course

● Assigned as Mentor for one MBBS student

**Dr. S. Velkumary**

● Convener for the workshop on Cardiac and Autonomic function testing in the Golden ASSOPICON 2014 conducted at JIPMER from 15th to 19th 2014.

● Was the Treasurer of Golden ASSOPICON 2014.

● Faculty-in-charge for first year MSc (Medical Physiology & Medical Biochemistry) course of the department

● Member of JIPMER Student Counselling Committee.

● Guide for M.D, M.Sc. (Medical Physiology) students dissertation work

● Officer-in-Charge for Obesity Research Lab of the department of Physiology, JIPMER.

● Examiner for various paramedical, M.B.B.S & MSc courses in JIPMER & Pondicherry University.

● Programme Co-ordinator for ACYTER, JIPMER

● Deputed as supervisor for the conduct of JIPMER MBBS entrance examination 2014

**Dr. Y. Dhanalakshmi**

● Convener for the CME-cum-Seminar on ‘Preparation of manuscript and publication of research papers in indexed journals’ in the Golden ASSOPICON 2014 at JIPMER.

● Contributed as a core committee member in ASSOPICON 2014 at JIPMER.

● Member, JIPMER Student Counselling Committee

● Faculty-in-charge for B.Sc. MLT and CLT course (2014- 2015), JIPMER.

● Guide for MSc. Medical physiology 2nd year student.
• Guide for M.D Physiology 1st year student.
• Guide for 1st Year M.Sc. student
• Faculty-in-Charge for Molecular Research Lab of Physiology, JIPMER.
• Faculty-in-charge for Department Library.
• Faculty-in-charge for Clinical Physiology Lab
• Nodal officer for Website Management for department of Physiology.
• Executive member of JIPMER Faculty Association.

**Dr. S. Karthik**

• Chairman of Transport and Accommodation committee during ASSOPICON 2014 conducted by Department of Physiology, JIPMER from 15th Dec 2014 to 19th Dec 2014.
• Co-convener of Pre conference workshop on ‘Cardiac and Autonomic Function Tests’ conducted by Department of Physiology, JIPMER on 15th Dec 2014.
• Co-convener of CME cum seminar on “Preparation of Manuscript and Publication of Research Papers in Indexed Journals” conducted by Department of Physiology, JIPMER on 16th Dec 2014.
• In-charge of Autonomic Function Laboratory of the department.

**Dr. N. Prabu**

• Co-convener of Pre conference workshop on ‘Cardiac and Autonomic Function Tests’ conducted by Department of Physiology, JIPMER on 15th Dec 2014.
• Co-convener of CME cum seminar on “Preparation of Manuscript and Publication of Research Papers in Indexed Journals” conducted by Department of Physiology, JIPMER on 16th December 2014.
• Appointed as external examiner for I MBBS at BGS Global institute of medical sciences, Bangalore by Rajiv Gandhi University of Health Sciences (RGUHS) Karnataka from 7th to 9th July 2014.
• Appointed as external examiner for I MBBS at Chalmeda Anand Rao Institute of Medical Sciences (CARIMS) Karimnagar by NTR University of Health Sciences (NTRUHS) from 21st to 25th August 2014.
• Appointed as external examiner for central evaluation of theory exam papers of I MBBS by Pondicherry University in March 2015
• Appointed as CR-IR (Institute representative) for online based JIPMER MBBS entrance exam 2014-15 (on 8th June 2014)
• Faculty-in-charge for I year-B.sc. (Nursing) course of the department
• Co Faculty-in-charge for cardiovascular research laboratory of the department

**Dr. Basant Manjari Naik**

• Deputy in-charge of Electrophysiology and Animal Research Laboratory.
• Deputy Faculty in-charge of 1st MBBS Batch 2014-2015.
• Faculty in-charge of Medical Recording Technician & Medical Recording Officer Course.
● Was the Chairman of Registration and Reception Committee of the “1st National Conference of Association of Physiologists of India; Golden ASSOPICON 2014” held from 17th to 19th December 2014 at JIPMER, Puducherry.

● Co-convenor for the workshop on ‘Clinical and Experimental Neurophysiology’ during Golden ASSOPICON 2014


**Conferences attended and papers presented by the residents, students and staff of the department and other events of the Department**

**Dr. Sarath Babu, Senior resident, attended**

- Trendo 2014, 2nd annual conference organised by Endocrine society of India, on 19th & 20th July 2014 at Hotel ITC Grand Chola, Guindy, Chennai.

- Insulin premix summit and Degludec conclave 2014, organised by Novo Nordisk pharmaceutical company on 31st August 2014 at Hotel GRT Sunway, Puducherry.

- CME on rabies organised by St. Joseph of Cluny hospital on 14th September 2014 at St. Joseph of Cluny Hospital, Puducherry.

- 8th Annual conference of Association of Physiologists of Tamilnadu ‘APTCON 2014’ held at Madha Medical College & Research Institute, Chennai on 11th & 12th October 2014.

- ‘ENDOPRO’ conference on Endocrinology-Nutrition-Diabetes-Metabolism-optimizing pregnancy outcomes held at Hotel Le Royal Meriden, Chennai on 19th October 2014.

- Workshop on colonoscopy organized by Association of surgeons of India, Puducherry Chapter held at Hotel Anandha Inn, Puducherry.

- CME on ‘Emergency Medicine’ held at Hotel Accord, on 21st December 2014 conducted by Indian Medical Association & AUM hospitals, Puducherry.

**Mrs. Bharathi Balakumar, Technical Supervisor, and Mrs. Elavarasi Shankar, Stenographer, attended the Well Women Workshop organized by the Medico-Social Services Wing, JIPMER, on 21st August 2014.**

**Dr. Subathra, Junior Resident, Mrs. Anusuya Baskarane, Technical Supervisor, Mr. Janardhana, Technical Supervisor, Mrs. Sutha, Lab Technician, attended a workshop on “Biosafety in Recombinant DNA Research” organized by the Division of Research and Department of Physiology, JIPMER on 21st August 2014.**

**Dr. Devi R. Nithiya, Junior resident, received the best poster presentation award for ‘Effectiveness of yoga on pulmonary functions and baroreceptor sensitivity in post- mastectomy breast cancer patients undergoing radiotherapy – An insight’ during ASSOPICON 2014 conducted during 15th to 19th December 2014.**

**Ms. R. Rajathi, Final year M.Sc. student, received an award for the best oral presentation on ‘Hyper insulinemia in gestational diabetes mellitus: correlation with sympathovagal imbalance’ during ASSOPICON 2014 conducted during 15th to 19th December 2014.**

**Dr. A. Abirami, Dr. Santhakumari S.P., Senior residents, Dr. G. Jayakrishnan, Junior resident, Ms. J. Indumathi, Ms. M. Subha, Ms. Ms. G Shravya Keerthi,Ph.D. Scholars and Ms. Sirisha A,**
Final year M.Sc. student, each presented a paper during ASSOPICON 2014 conducted during 15th to 19th December 2014.

- Mrs. Bharathi Balakumar, Technical Supervisor, was the Chairman for Information, Publicity, Inauguration and Valedictory committee and also co-convenor and resource person for the workshop on Clinical and experimental neurophysiology during ASSOPICON 2014 conducted by Department of Physiology, JIPMER from 15th to 19th December 2014.

- Mrs. Anusuya Baskarane, Technical Supervisor, was the Chairman for Cultural & Hospitality during ASSOPICON 2014 conducted by Department of Physiology, JIPMER from 15th to 19th December 2014.

- Mr. K. Janardhana, Technical supervisor, was the Chairman for Invitation, Posters and Banners Committee during ASSOPICON 2014 conducted by Department of Physiology, JIPMER from 15th to 19th December 2014.
DEPARTMENT OF PLASTIC SURGERY

Faculty List :

Additional Professor & Head : Ravi Kumar Chittoria
Associate Professor : Dinesh Kumar S.
Associate Professor : Devi Prasad Mohapatra
Friji M.T.

Background Information of the Department
Department is fully equipped for Hand & Microvascular Surgery, Transplantation Surgery, Laser Surgery, Maxillofacial and Craniofacial Surgery, Burns and Reconstructive Surgery, Anti-aging and Regenerative Medicine Therapy, Wound Simulators Surgery, Telemedicine Services and is Centre for Advanced Wound Care using newer Wound Care Technologies like Autologous Platelet Rich Plasma Therapy (APRPT), Autologous Lipo Aspirate Therapy (ALAT), Regulated Oxygen Negative Pressure Wound Therapy (RONPWT), Trans Cutaneous Oxygen Therapy (TCOT), Autologous Bone Marrow Aspirate Therapy (ABMAT), Limited Access Dressing (LAD), Growth Factors, Nanocrystalline Silver (NCS) Dressing, Collagen Dressings, Hydrojet Debridement, Radiofrequency Debridement etc. Department has State of an Art 20 Bedded JIPMER Tertiary Burn Centre (JTBC)(including Burn ICU & Burn OT), Microvascular Training Lab, Speech Therapy Training Lab, Wound Simulator Lab, Telemedicine Centre, Tissue & Skin Bank. Various Special Clinics run by the Department are Telemedicine Clinic, Burn Clinic, Comprehensive Breast Oncoplastic Clinic & Anti-aging Clinic. Department has ‘Smile Train Project’ and M.Ch Plastic Surgery Course (2 Seats every year).

Educational Courses
Undergraduate Courses
- The Department continues with its undergraduate teaching program. It holds regular classes for undergraduate MBBS students.
- B.Sc. (Nursing) 6th semester students are given regularly bedside training in the Plastic Surgery Ward.
- B.Sc. (Medical OT Technologist) 3rd semester students are given Practical & bed side training in the Plastic Surgery OT for a period January to May 2015.
- Post Basic Diploma Student (Operation Room Nursing) are given Practical Training in Plastic Surgery OT.
- Post Basic Diploma Student (ICU Nursing) are given Practical Training in Plastic Surgery ICU.
- Telemedicine & Medical Tourism Classes are conducted for MRO Trainees.
Postgraduate Courses
The faculties were involved in teaching and training of Junior Resident (Postgraduate) students of MS General Surgery, Orthopedic Surgery, Dermatology and Ophthalmology during their peripheral posting in the department of Plastic Surgery by giving didactic lectures, moderating seminars, journal clubs, etc. And clinical teaching during ward rounds.

Higher Specialty Courses

- The Department continues with its Higher Specialty Teaching program. It holds regular classes for M.Ch students.

Conferences and CMEs Organized by Department

- Organized Seminar on ‘Congenital Hand Anomalies Part - I’ on 10th April 2014 in Seminar Room of Dept of Plastic Surgery
- Organized Seminar on ‘Wound Healing’ on 8th July 2014.
- Department started organizing ‘Smile Train Cleft Project’ Health Camps every monthly w.e.f. 16th Aug 2014.
- Organized Awareness Programme on ‘Hemostasis Control of Bleeding’ on 30th Sept 2014.
- Organized Video Conferencing Session between JIPMER & CIPS Hyderabad on Antimicrobial Resistance on 23rd Dec 2014.
- Organized 135 Videoconferencing Sessions - Between JIPMER & RCC Yanam, Mahe, Kanchipuram, Trivandrum/Shankara Nethralaya/CMC Vellore/SGPGI Lucknow/AIIMS New Delhi Raipur/Jodhpur/PGI Chandigarh/KEM Mumabi/MoHFW/Medical Colleges of South India.
- Organized 42 Videoconferencing Session between JIPMER & AIIMS Raipur/Jodhpur.
- Organized 4 Videoconferencing Sessions/MOOC between JIPMER & Harvard School of Public Health.
- Organized 17 Live Telecast Sessions between JIPMER & 160 Medical colleges of South India/...
Organized 5 Medical Virtual Class Room (VCR) Teaching Sessions between JIPMER & NKN connected Medical Colleges with VC facilities of South India.

Organized Live Telecast of 3 Conferences held in JIPMER to 160 Medical colleges of South India/AIIMS Raipur & Jodhpur, Dr. RML Hospital New Delhi.

Organized Live Telecast of 1 Workshop (Dermazone South 2014) held in JIPMER to 160 Medical colleges of South India/AIIMS Raipur & Jodhpur, Dr. RML Hospital New Delhi.


Organized Guest lecture on ‘A3 Remote Monitoring Technologies’ on 9th Dec 2014 in JIPMER.

Organized JIPMER Smile Train Cleft Camp on 17th Jan 2015.

Organized JIPMER Smile Train Cleft Camp on 31st Jan 2015.

Organized Videoconferencing on ‘Minimally invasive Endocrine Surgery’ on 4th Feb 2015 between JIPMER & SGPGI Lucknow.

Organized Live Telecast of Scientific Programme of SGPGI Pediatric Urology update & workshop from 2nd to 4th Feb 2015.

Organized Videoconferencing on ‘Bone Marrow Examination’ between JIPMER & SGPGI Lucknow on 5th Feb 2015.

Organized Videoconferencing on ‘Approach to Bleeding disorders’ on 12th Feb 2015

Organized Videoconferencing on ‘Management of antenatally detected hydronephrosis due to pelviureteric junction obstruction between JIPMER & SGPGI Lucknow on 14th Feb 2015.

Organized Videoconferencing ‘CME on Vascular Disorders of Liver’ between JIPMER & SGPGI Lucknow on 14th Feb 2015.

Organized JIPMER Smile Train Cleft Project Health Camp on 3rd March 2015.

Organized Videoconferencing on Epidemiology of candida colonization and blood stream infections between JIPMER & SGPGI Lucknow on 7th March 2015.

Organized Videoconferencing on Thyroid Abscess 50/M between JIPMER & SGPGI Lucknow on 10th March 2015.

Organized video conferencing of ‘Telemedicon-2015’ from AIIMS New Delhi to JIPMER Puducherry from 13th to 14th March 2015.

Organized & Live Telecasted ‘JIPMER Smile Train Cleft Project Cleft Awareness Week’ from 12th to 18th March 2015 in JIPMER.

Organized Live Telecast of ‘Scientific Program’ from Germany to JIPMER Puducherry on 18th March 2015 on topic: Emerging Landscape in metastatic colorectal cancer – expert review & state of art update of AML: an expert roundtable discussion.

Organized Tele-videoconferencing between SGPGI Lucknow to JIPMER on ‘Sjogren Syndrome: Beyond dry eyes and dry mouth’ on 21st March 2015.

Conferences, Workshop and CMEs Attended by Faculty

Dr. Ravi Kumar Chittoria

Conferences, Workshop and CMEs Attended

- Attended ‘ATLS Course’ from 3rd to 5th April 2014 at NTTC Hall, New Academic Centre JIPMER.
- Attended ‘Grantmanship Seminar’ on 10th May 2014, at NTTC Seminar Hall JIPMER, Puducherry
- Attended ‘Uluru Health Centre & mHealth Project Camp’ on 23rd May 2014.
- Attended Webinar on ‘Leadership in the Digital Age’ on 4th June 2014 Organized by University of Liverpool’ on 26th June 2014 Organized by Advantage Media, USA.
- Attended Webinar on ‘How to Streamline Your Patient Warming With A Point-Of-Care Process’ in June 2014.
- Attended Guest Lecture on ‘Mobile Health’ delivered by Dr. Marc Mitchell, Harvard School of Public Health held at Board Room JIPMER on 4th June 2014.
- Attended Workshop ‘Workplace Based Assessment (WPBA)’ on 19th July 2014 at NTTC Hall, JIPMER Puducherry.
- Attended Webinar on ‘Stem Cell: Overview and Key Stem Cell Signaling Pathways’ in June 2014.
- Attended Webinar on ‘Toll-like Receptors in Inflammation’ in June 2014.
- Attended the conference ‘Annual National Conference of Society for Wound Care & Research (SWCR)’, 12th to 14th Sep 2014 at New Delhi.
- Attended ‘BMJ Award Function Ceremony’ on 19th Sept 2104 at New Delhi.
- Attended the conference ‘1st JIPMER Oncoplastic Breast Surgery Conference & south Zone Regional CME’ of ABSI 2014 from 18th & 19th Oct 2014 at JIPMER.
- Attended the Conference IMCAS India 2014 at Goa from 14th to 16th Nov 2014.
● Attended Webinar on ‘Signature Learning Series’ in Nov 2014.
● Attended Symposium on ‘Ostomy Care’ on 8th Nov 2014 held at JIPMER.
● Attended Workshop on ‘Book Writing & Meet the Publishers on 7th Nov 2014 held in JIPMER.
● Attended Guest Lecture on ‘Applications of Hyperbaric Oxygen therapy in Wound Care’ on 2nd Dec 2014.
● Attended Guest lecture on ‘A3 Remote Monitoring Technologies’ by Mr. Atul Shah, IIT Mumabi on 9th Dec 2014 in JIPMER.
● Attended “18th National Book Fair-2014” held from 19th to 28th Dec 2014 in Pondicherry.
● Attended CME on ‘Skills Course in Suturing’ in JIPMER on 24th Jan 2015.
● Attended Teaching Programme on ‘Hand hygiene, Biomedical Waste and Needles stick Injury’ on 28th Jan 2015 organized by HICC JIPMER.
● Attended training programme on ‘Good Nutrition Practice in Clinical Care Module’ on 30th Jan 2015.
● Attended Online CME on ‘Introduction to Palliative Medicine’ on 30th Jan 2015.
● Attended Online CME on ‘PMR – Disability & Beyond’ on 15th Feb 2015.
● Attended Online CME on ‘Childhood Obesity Prevention Programs: Comparative Effectiveness’ 4th March 2015.
● Attended Online CME on ‘Strategies to Prevent Weight Gain Among Adults’ 4th March 2015.
● Attended Online CME on ‘Treatment Strategies for Patients with Peripheral Artery Disease’ 4th March 2015.
● Attended Online CME on ‘Hand wash Wound simulation & Guidelines for Wound Management’ on 18th Aug 2014 in JIPMER.

**Paper Presented in Conferences and CMEs**

● Delivered a Lecture on ‘Telemedicine at JIPMER’ in JIPMER Foundation Day Celebration from 13th to 14th July 2014 at JIPMER Puducherry.
● Delivered a Lecture on ‘Wound Simulation & Guidelines for Wound Management’ in ‘Wound Simulation Course, CME & Training Workshop’ on 18th August 2014 in JIPMER.
● Delivered ‘SWCR Oration’ in the conference ‘Annual National Conference of Society for Wound Care & Research (SWCR)’, 12th to 14th Sep 2014 at New Delhi.
Delivered Lecture: ‘Introduction & the Role of perioperative Nurses in patient safety’ on 18th Nov in the Programme ‘Peri Operative Nurse Week’ held in JIPMER.

Delivered Lecture: ‘Role of Telemedicine in Anti-Aging Practice’ in IMCAS 2014 held in Nov 2014 at Goa.

Delivered Lecture: ‘Role of Fat Grafting in Oncoplastic Breast Reconstruction’ in 1st JIPMER Oncoplastic Breast Surgery Conference & South Zone Regional CME of ABSI 2014’ held on 18th & 19th Oct 2014 in JIPMER.


Delivered a Lecture: ‘Introduction to JIPMER Smile Train Cleft Project’ on 12th March 2015 in ‘Cleft Awareness Week’ held in JIPMER.

Delivered a Lecture: ‘Introduction to Cleft Lip and Palate Deformities’ on 13th March 2015 in ‘Cleft Awareness Week’ held in JIPMER.

Delivered a Lecture: ‘Telemedicine at JIPMER’ through videoconferencing from JIPMER to AIIMS New Delhi on 14th March 2015.

Delivered a Lecture: ‘Wound & Burn Rehabilitation’ in CME ‘PMR – Disability & Beyond ion 15th Feb 2015 in JIPMER.

Delivered a Lecture: ‘Types of Sutures’ in CME ‘Skills Course in Suturing’ on 24th Jan 2015 in JIPMER.

Delivered a Lecture: ‘Role of Nurses in Cleft Care’ in JIPMER Smile Train Cleft Project in Cleft Awareness Week on 13th March 2015.

Delivered a Lecture: ‘Role of Anesthetists in Cleft Care’ in ‘JIPMER Smile Train Cleft Project in Cleft Awareness Week’ on 16th March 2015 in JIPMER.

Delivered a Lecture for Nurses: ‘Hemostats’ on 11th March 2015 in JIPMER.

Delivered a Lecture for Nurses: ‘Hemostats’ on 21st March 2015 in JIPMER.

**Chaired Scientific Session in Conference/Workshop/CME**

Chaired Scientific Session in ‘1st JIPMER Oncoplastic Breast Surgery Conference & South Zone Regional CME of ABSI 2014’ held on 18th & 19th Oct 2014 in JIPMER.

Chaired Scientific Session in ‘Symposium on Ostomy Care’ held on 8th Nov 2014 in JIPMER.


Chaired Scientific Session: ‘Functional and Cosmetic considerations and Postoperative Care for children with cleft lip and palate’ in JIPMER Smile Train Cleft Project Cleft Awareness Week on 13th March 2015 in JIPMER.

Chaired Scientific Session: ‘Anesthetic Safety in Cleft children and Review of BLS Methods’ in JIPMER Smile Train Cleft Project Cleft Awareness Week on 13th March 2015 in JIPMER.

Chaired Scientific Session: in ‘JIPMER Smile Train Cleft Project Cleft Awareness Week’ on 17th March 2015 in JIPMER.

Chaired Scientific Session: ‘Anesthetic consideration in cleft lip and palate deformities’ in JIPMER Smile Train Cleft Project Cleft Awareness Week’ on 17th March 2015 in JIPMER.
Chaired Scientific Session: ‘Ensuring safe anesthesia during surgery for cleft lip and palate children’ in JIPMER Smile Train Cleft Project Cleft Awareness Week on 17th March 2015 in JIPMER.

**Demonstrated Procedure in Conference/Workshop:**

- Demonstrated ‘Wound Simulation Procedures’ in ‘Wound Simulation Course, CME & Training Workshop’ on 18th August 2014 in JIPMER.
- Demonstrated various procedures in Workshop on ‘Wound Care’ in Dermazone South 2014’ 19th to 21st Sept 2014 at JIPMER Pondicherry.
- Demonstrated a ‘Live Surgery on Cleft Lip and Palate’ in Cleft Awareness Week in JIPMER on 14th March 2015 in JIPMER.

**Dr. Devi Prasad Mohapatra**

**Conferences & CMEs attended**

- Attended Grantmanship Seminar on 10th May 2014, at NTTC Seminar Hall JIPMER, Puducherry
- Attended Webinar on ‘Leadership in the Digital Age’ on 4th June 2014 Organized by University of Liverpool’ on 26th June 2014 Organized by Advantage Media, USA.
- Attended CME on ‘Secondary Breast Reconstruction with Fat Grafting on 11/06/2014 organized by Vindico Medical Education, Thorofare, NJ, USA ,08086.
- Attended Tele-class lecture on Clean Your Hands - Stop the Spread of Drug - Resistant Germs on 8/5/2014 conducted by Webber training and Centre for research on environmental microbiology, university of Ottawa, Ottawa, ON K1N 6N5, Canada.
- Attended the 22nd Cochrane Colloquium Conference and receive award from 20th to 26th Sep 2014 at Hyderabad
- Attended ‘Animal and Lab Experimentation’ on 31st July 2014 at NTTC Seminar Hall JIPMER.
- Received the Cochrane Stipend to attend 22nd Cochrane Colloquim in Hyderabad
- Participated in Evidence Aid Symposium: Evidence Aid, a decade on from the Indian Ocean tsunami: Knowledge for those affected by natural disasters and humanitarian crises at Hyderabad
- Attended Guest lecture on ‘A3 Remote Monitoring Technologies’ on 9th Dec 2014 in JIPMER.
- Organized Perioperative Nurses Week Celebration on 18th Nov 2015 with JQC Operation Theatre Safety group, Nosocamial Infection Group & Department of Plastic Surgery.
- Paper presented in Conference/CMEs:
  - Delivered a Lecture: Beside Ward Care in Ostomy Symposium held on 8th Nov 2014 at JIPMER, Puducherry.
**Chaired a Scientific Session:**

**Demonstrated Procedure in Conference/Workshop:**
- Demonstrated a Session: ‘Skin Cooling in LASER Surgery’ in “LASER Dermatosurgery Course, CME & Workshop” on 19th April 2013 in Minor OT Complex, SSB, JIPMER.

**Dr. Friji M.T.**

**Conferences and CMEs attended**
- Attended the conference ‘BRASCON 2014’ from 9th to 10th August 2014 at Bangalore.
- Member organising committee ‘1st JIPMER Oncoplastic Breast Surgery Conference & south Zone Regional CME’ of ABSI 2014 from 18th & 19th Oct 2014 at JIPMER.
- Attend the Conference ‘IMCAS’ from 14th to 16th Nov 2014 at Goa.
- Attended Guest lecture on ‘A3 Remote Monitoring Technologies’ on 9th Dec 2014 in JIPMER.
- Attended the Seminar on ‘Application of Hyperbaric Oxygen Therapy in Wound Care, Burns and Aesthetic Surgery’ held on 2nd December 2014 in JIPMER.
- Attended the CME on Cleft Care, part of JIPMER Smile Train Cleft Awareness Week held between 12 to 18 March 2015 at JIPMER.
- Course co-ordinator and Faculty in Wound Simulation Course, CME AND Training workshop organised at JIPMER at wound simulation lab on 18th July 2014.

**Chaired a Scientific Session**
- Chaired Scientific Session: ‘Functional and cosmetic considerations and postoperative care for children with cleft lip and palate’ in JIPMER Smile Train Cleft Project Cleft Awareness Week on 13th March 2015.
- Chaired Scientific Session: ‘Introduction to cleft lip and palate deformities’ in JIPMER Smile Train Cleft Project Cleft Awareness Week on 13th & 17th March 2015.

**Demonstrated a Session:**
- Demonstrated Cleft Palate repair by two flap technique Palatoplasty during JIPMER Smile Train Cleft Project Cleft awareness week on 13th March 2015.
- Demonstrated Cleft Palate repair by raw area less Palatoplasty during JIPMER Smile Train Cleft Project Cleft awareness week on 13th March 2015.
**Dr. Dinesh Kumar S.**

**Conferences & CMEs Attended**

- Attended ATLS Course from 3rd to 5th April 2014 at NTTC Hall, New Academic Centre JIPMER.
- Attended the conference ‘BRASCON 2014’ from 9th to 10th August 2014 at Bangalore.
- Attended the 37th Annual Conference of Association of Anatomists Tamil Nadu from 11th to 12th Oct 2014 at Chengalpattu.
- Attended Guest lecture on ‘A3 Remote Monitoring Technologies’ on 9th Dec 2014 in JIPMER.

**Chaired a Session**

Chaired Scientific Session: ‘Introduction to cleft lip and palate deformities’ in JIPMER Smile Train Cleft Project Cleft Awareness Week on 13th & 17th March 2015.

**Research Projects**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Friji M.T.</td>
<td>Effect of Stromal Vascular Fraction of Lipoaspirate on Tissue Regeneration in patients with Atrophic Rhinitis – A double blind Randomized control trial</td>
<td>4 years</td>
<td>None</td>
<td>Pathology/ENT</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Friji M.T.</td>
<td>Physical &amp; Psychosocial burden in individuals with deformity due to burn injury</td>
<td>4 years</td>
<td>Nil</td>
<td>Biostatics</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Dinesh Kumar S.</td>
<td>Profile, quality of life and general health status of patients with scars.</td>
<td>4 years</td>
<td>Nil</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Dinesh Kumar S.</td>
<td>Acceptability of hand transplantation in patients with acquired loss or deformity of hand.</td>
<td>4 years</td>
<td>Nil</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td></td>
<td>Dr. Devi Prasad Mohapatra</td>
<td>Epidemiology of hand injuries in pediatric Population in JIPMER</td>
<td>2 year</td>
<td>Nil</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
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<tr>
<td>6</td>
<td>Dr. Ravi Kumar Chittoria</td>
<td>Cleft Lip &amp; Plate Anomaly in India: Clinical Profile, Risk factors and Current Status of Treatment: A Hospital Based Study</td>
<td>2 years</td>
<td>ICMR</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Dinesh Kumar s.</td>
<td>‘Efficacy of Using a 3D printing of fabricating surgical implants</td>
<td>1 year</td>
<td>Nil</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Devi Prasad Mohapatra</td>
<td>‘Is L-index associate with overweight/obese individuals in patients attending JIPMER: An exploratory Study</td>
<td>1 year</td>
<td>Nil</td>
<td>None</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**Publications**

**A. Journals**


• Mohapatra DP, Chittoria RK, Friji MT, Kumar DS. Algorithm based on eighteen patients with acquired traumatic earlobe defects not associated with jewellery Clinical Otolaryngology 2013; 10: 37.

C. Book Chapters

• JIPMER Manual for Burns. Published by Department of Plastic Surgery JIPMER, 2014.


Patient Care Services

A. Clinical Services

OPD : Two times in a week that is on Tuesday and Thursday.
Main OT : Four times in a week i.e. Monday, Wednesday, Fridays & Saturday.
Laser OT : Monday to Friday.
Minor OT : Monday to Friday.
Anti Ageing Clinic : Tuesday and Thursday
Nasal Endoscopy : Monday to Friday.
Telemedicine Clinic : Tuesday and Thursday
Burn Clinic : Tuesday & Thursday
Comprehensive Breast Oncoplastic Clinic : Tuesday & Thursday
Supportive Services to Different Departments including Department of Surgery, Oncology, Paediatric Surgery, Urology and Obst & Gynaecology etc.

B. Laboratory Services:
- Autologous Platelet Rich Plasma Extraction
- Autologous Lipo Aspirate Extraction
- Autologous Bone Marrow Extraction
- Tissue & Skin Banking Services (Deep Freezer)
- Micro Vascular Lab Services
- Speech Therapy Lab Services
- Wound & Tissue Simulator Lab Services
- Laser Laboratory Services

Awards, Honours and Other Personal Achievements

Dr. Ravi Kumar Chittoria:
- Started ‘Wound Simulation Training Lab’ in April 2014.
- Nominated by Director JIPMER as a ‘Member of Souvenir Committee of Golden Jubilee Celebration’ in May 2014.
- Appointed by Additional Medical Superintendent as Chairman of ‘Medical Disability Board’ on 6th May 2014.
- Appointed by Director JIPMER ‘Officer of Telemedicine’ to coordinate visit of Dr. Marc Mitchell, Harvard School of Public Health for m-Health Project of JIPMER in May 2014.
- Joined as Member of Reviewer Board for ‘British Journal of Dermatology (BJD)’, UK on 1st June 2014.
- Joined as Member of Reviewer Data Base of ‘International Wound Journal’, USA on 26th June 2014.
- As In-Charge Telehealth Programme JIPMER, started ‘Medical Virtual Class Room (VCR)’ based Plastic Surgery Teaching Sessions between JIPMER & Medical Colleges of South India with Videoconferencing facilities in July 2014.
- Signed MoU with ‘Smile Train Project, USA’ in July 2014.
- Became ‘Smile Train Approved Surgeon’ to operate cleft lip and palate under the ‘Smile Train programme, USA’ in July 2014.
- As In-Charge Telehealth Programme JIPMER, started ‘Live Telecast’ of Plastic Surgery Teaching Sessions between Seminar Room of Dept of Plastic Surgery JIPMER & 160 Medical Colleges of South India and AIIMS Raipur/Jodhpur.
- Invited as Faculty Guest Speaker in International Conference IMCAS held from 14th to 16th Nov 2014 at Goa, India.
- Joined as Member of ‘World Associate of Medical Editors (WAME)’.
- Awarded with ‘SWCR Oration Award’ on 13th Sept 2014.
- Awarded ‘Oscars of Medicine BMJ Award’ for ‘Excellence in Medical Education’ on 20th Sept 2014.
- Became Member of Team of Multidisciplinary Breast Clinic involving Plastic Surgeon, General Surgeon, Surgical Oncologists, Medical Oncologists, Radiotherapist, Social Worker etc.
- Became Assistant Editor in Indian Journal of Orthopaedics Surgery (IJOS) in Jan 2015.
- Appointed as ‘Honorary Advisor’ to ‘Indian Board of Alternative Medicine (IBAM)’ in Feb 2015.
- Appointed as ‘Honorary Advisor’ to ‘Pragyan World Foundation (PWF)’ in Feb 2015.
- Appointed as ‘Honorary Advisor’ to ‘Peace Society Worldwide (PSW)’ in Feb 2015.
- Became Member of Editorial Board of Journal ‘Indian Cancer Education and Research (IJCER)’ in Feb 2015.
- Became Member of ‘Indian Board of Alternative Medicines (IBAM)’ in Feb 2015.
- Became Advisory Board Member of Journal ‘HSJPUB’ in Feb 2015.
- Became Member of Editorial Board of the Journal ‘New Indian Journal of Surgery (NIJS)’ in Jan 2015.
- Became Editorial Board Member of ‘Journal of Orthopaedic Education (JOE)’ in Jan 2015.
- Became Advisory Board Member of ‘HSJ Publishers’ in Jan 2015.
- Became Member of Editorial Board of ‘Red Flower Publication’ in the month of Feb 2015.
- Became Member of Editorial Board of Indian Journal of Cancer Education and Research (IJCER) in March 2015.
- Became International Member of ‘World Society of Interdisciplinary Anti-aging Medicine’ (WSIAM) in March 2015.
- Became Member of ‘Board of Advisors’ to ‘New Indian Journal of Surgery (NIJS)’ on Jan 2015.
- Was appointed as ‘Section Editor’ of ‘Indian Text Book of Plastic Surgery’ in Feb 2015.
- Appointed as ‘Honorary Advisor’ to ‘World Yoga Foundation (WYF)’, Kolkata India, in March 2015.
- On 19th March 2015, as In-Charge Telehealth Programme JIPMER & Nodal Officer of NMCN Project Signed MoU with MoHFW for Financial support for Upgradation of Telemedicine Services of JIPMER.
- Started Online Monitoring (Tele Monitoring) of Burn Patients by installing IP Camera in Burn Unit Sept 2014.
- Started ‘Telemedicine Based Barrier Nursing’ in Burn Centre using Mobile Telemedicine Console and Tablets to avoid Hospital acquired Infection by not allowing Attendants to enter in Burn Centre but at the same time allowing Online interaction between Patient & Attendant.
- To solve the problem of frequent washing of Soiled Linen of Burn patients in Burn Centre procured Fully Automatic Washing Machine.
- To solve the problem of measuring Body Temperature of Burn patients in Burn Centre which is difficult due to heavy Burn dressings, procured ‘Non-Contact Thermometer’.
- To solve the problem of measuring BP in Burn patient which is difficult due to Excessive Dressing in Burn Patients procured ‘Automatic BP Recording Apparatus’ for Burn Centre.
- Started ‘3-D Video Recording’ for better enhanced-depth recording of Patient Surgeries in Sept 2014.
- Installed Wi-Fi Routers at different places (OPD, Plastic Surgery Ward, Burn Ward, Plastic Surgery ICU, Casualty, Plastic Surgery Main OT, Minor OT, Laser OT) and started Online Monitoring & Cloud Management of Patient.
- Started using Fibrin Haemostats for Intra-op control of Bleeding (especially for Cleft Palate Surgery) – a new & latest method of control of bleeding.
- To control Hospital Acquired Infection and Cross Infections among Burn patients, provision was done like Inter-Patient Partitions, UV Lamps and other Measures in Burn Unit.
- To solve social problems, procured recreational Toys for Paediatric Patients in Burn Unit & Plastic Surgery Ward.
- To help socially chronic long standing admitted Burn patients, installed cable connection & TV for Burn patients in Burn Unit.
- To avoid refusal to referred Burn Patients from other centers, 4 more beds in Emergency Trauma Ward 4th Floor in EMS were utilized after the existing beds in Burn unit get filled.
- With the help of Social Worker procured Wheel Chair, Walkers & Crutches & TV for Plastic Surgery Patients.
- Started ‘Comprehensive Breast Oncoplastic Clinic’ on every Tuesday & Thursday.
- Started ‘Live Telecast’ of Teaching Sessions between JIPMER & 160 Medical Colleges of South India and AIIMS Raipur/Jodhpur/RML Hospital/Gangaram Hospital Delhi.
- Started ‘Desktop Based Video Conferencing Services’ in Nov 2014.

**Dr. Devi Prasad Mohapatra:**
- Received award 22nd Cochrane Colloquium Conference from 20th to 26th Sep 2014 at Hyderabad.

**Dr. Friji M.T.**
- Became International member in World Society Interdisciplinary Anti-aging Medicine.
- Was nominated as ‘Member of Board of Studies in Plastic Surgery for three years by Vice Chancellor of Pondicherry University.
- Executive Council Member, Society for Wound Care and Research, India
- Became Member of ‘International Hormone Society’.
- Member of Biomedical Waste Management Committee, JIPMER
- Officer in charge of Departmental Library, Plastic Surgery, JIPMER
- Member of Medical Board for Disability Certification, JIPMER
- Member Brain Stem Death Declaration Board in JIPMER, Under Transplantation Human Organ Act.
- Member editorial board International Journal of Clinical and Diagnostic Research (IJCDR).
- Reviewer of manuscripts for Journal of Society for wound care and research.
- Reviewer of manuscripts for International Journal of Advanced Medical Research
- Smile Train approved surgeon to operate cleft lip and palate under the Smile Train programme, USA.

**Dr. Dinesh Kumar S.**
- Became member of Association of Plastic Surgeons of India.

**Administrative, Patient Care, Educational, Research and Other Assignments**

**Dr. Ravi Kumar Chittoria**
- Joined on 22nd May 2014 as ‘Volunteer’ for ‘I am part of Solution - Crowed Management in JIPMER’.
- As ‘Member of Souvenir Committee of Golden Jubilee Celebration’ helped in preparing of ‘Research and Telemedicine Section’ May 2014.
- As ‘Officer of Telemedicine’ coordinated visit of Dr. Marc Mitchell, Harvard School of Public Health for m-Health Project of JIPMER in May 2014.
- Appointed by Director JIPMER as Member of ‘Aadhar Enabled Biometric Attendance System (AEBAS) Committee’ on Dec 2014.


- As ‘Course Coordinator’ attended the B.Sc AMS Coordination Committee meeting on 25th Feb 2015.

- Appointed by Dean JIPMER as ‘Chief Coordinator’ to conduct Modular Teaching for MBBS 6th & 7th Semester students from 23rd to 27th March 2015.

- Question paper set for M.Ch Entrance Examination JIPMER.

- Appointed by Director JIPMER ‘Officer of Telemedicine’ to coordinate visit of Dr. Marc Mitchell, Harvard School of Public Health for m-Health Project of JIPMER.

- Appointed by Director JIPMER ‘Officer of Telemedicine’ to coordinate visit of Dr. Marc Mitchell, Harvard School of Public Health for m-Health Project of JIPMER in May 2014.

- As Chairman, conducted regularly meetings of ‘Disability Board’.

- Nominated by Director JIPMER to assist in Video Recording for ‘Employees Orientation Programme’.

**Dr. Devi Prasad Mohapatra**


- Became International membership in World Society Interdisciplinary Anti-aging Medicine.

- Was appointed as member board of Medical Experts for declaration of Brain Stem Death in JIPMER under the transplantation of human organs act 1994.

- Became Guide & Co-guide for Postgraduate students in Plastic Surgery JIPMER.

- Question paper set for M.Ch Entrance Examination JIPMER.

**Dr. Friji M.T.**

- Became Member of ‘International Hormone Society’.

- Became Faculty In-charge for Tamil Nadu Chief Minister Health Insurance Scheme of Dept of Plastic Surgery.

- Nominated as Institute Representative for MBBS Entrance Exam at Mumbai in June 2014.

- Nominated as Institute Representative for MD/MS Entrance Exam at Bangalore in Nov 2014.

- Became Guide & Co-guide for Postgraduate students in Plastic Surgery JIPMER.

- Question paper set for M.Ch Entrance Examination JIPMER.

**Dr. Dinesh Kumar S.**

- Became Guide & Co-guide for Postgraduate students in Plastic Surgery JIPMER.

- Question paper set for M.Ch Entrance Examination JIPMER.
**Significant Events in the Department**

- In the Department, number of GA OT in SSB OT Complex increased from 3 days to 4 days in a week.
- Department started posting of students of Post Basic Diploma in Burns in June 2014.
- Department started ‘Smile Train Project’ in July 2014.
- Department procured ‘Wound, Tissue, Bone and Suture Simulation Models’ in April 2014.
- Department started ‘Wound Simulation Training Lab’ in April 2014.
- Department started the application of ‘Bio Silk Dressing in Wound Management’ in April 2014.
- Department started ‘Burn Clinic’ on 6th May 2014.
- Department started ‘Smile Train Cleft Project’ in the month of July 2014.
- Department started conducting regularly ‘Smile Train Cleft Project’ Health Camps for Cleft Lip & Palate patient from 16th Aug 2014 onwards.
- Department started Online Monitoring (Tele Monitoring) of Burn Patients by installing IP Camera in Burn Unit Sept 2014.
- Department started ‘Telemedicine Based Barrier Nursing’ in Burn Centre using Mobile Telemedicine Console and Tablets to avoid Hospital acquired Infection by not allowing Attendants to enter in Burn Centre but at the same time allowing Online interaction between Patient & Attendant.
- Department is regularly participating in JIPMER Karaikal Outreach Centre.
- Department procured Fully Automatic Washing Machine for frequent washing of Soiled Linen of Burn patients in Burn Ward.
- Department procured ‘Non-Contact Thermometer’ to measure Body Temperature of Burn patients in Burn Centre which is difficult due to heavy Burn dressings.
- Department procured ‘Automatic BP Recording Apparatus’ for Burn Centre as it is difficult to measure BP in Burn patients due to Excessive Dressing in Burn Patients.
- Department procured ‘GoPro Head Mounted Camera’ for Intraop Monitoring & Recording of patient Surgeries in Sept 2014.
- Department procured ‘3-D Video Recording System & 3-D LCD Screen’ for better enhanced-depth recording of Patient Surgeries.
- Department Installed Wi-Fi Routers at different places (OPD, Plastic Surgery Ward, Burn Ward, Plastic Surgery ICU, Casualty, Plastic Surgery Main OT, Minor OT, Laser OT) for Online Monitoring & Cloud Management of Patient.
- Department started using Fibrin Haemostats for Intra-op control of Bleeding (especially for Cleft Palate Surgery) – a new & latest method of control of bleeding.
- Department provided Inter-Patient Partitions, UV Lamps and other Measures in Burn Unit to control Hospital Acquired Infection and Cross Infections.

- To avoid refusal to referred Burn Patients from other centers, 4 more beds in Emergency Trauma Ward 4th Floor in EMS were utilized by the Department after the existing beds in Burn unit get filled.

- Department with the help of Social Worker procured Wheel Chair, Walkers & Crutches & TV for Plastic Surgery Patients.

- Department started ‘Comprehensive Breast Oncoplastic Clinic’ on every Tuesday & Thursday.

- Started ‘Live Telecast’ of Teaching Sessions between JIPMER & 160 Medical Colleges of South India and AIIMS Raipur/Jodhpur/RML Hospital/Gangaram Hospital Delhi.

- Department started ‘Desktop Based Video Conferencing Services’ in Nov 2014.

- Dr Kalyansundaram, Hyperbaric Medicine Specialist, USA visited the Department, delivered lecture on ‘Applications of Hyperbaric Oxygen therapy in Wound Care’ on 2nd Dec 2014.

- Mr. Vishal Atul Shah, Software Engineer, A3 Remote Monitoring Technologies, IIT Mumbai visited the Department, delivered lecture and demonstrated Remote Technology on 9th Dec 2014.

- Prof Dr Karoon Agarwal, Prof & Head, Dept of Plastic Surgery, Safdarjung Hospital & Medical College, New Delhi, visited the Department & interacted with Staff & Faculty in Jan 2015.

- Dr K N Panda, Senior Plastic Surgeon, Venkateswara Medical College, Pondicherry, visited the Department & interacted with Staff & Faculty in Jan 2015.

- Dr. Sridhar, Dept of Plastic Surgery, Chengalpet Medical College, TN, visited the Department & interacted with Staff & Faculty in Jan 2015.

- Prof Dr Sharad, Ramdas, Prof & Head, Department of Plastic Surgery, PIMS, Pondicherry, visited the Department & interacted with Staff & Faculty Jan 2015.

- Prof Dr S M Mishra, Prof & Head, Dept of Plastic Surgery, Annamalai University, TN, visited the Department & interacted with Staff & Faculty in Jan 2015.

- Prof Dr G Ravi Kumar, Prof & Head, Dept of Plastic Surgery, Thanjavur Medical College, Thanjavur, TN, visited the Department & interacted with Staff & Faculty in Jan 2015.
DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE

Faculty List:

Professor & Head : Gautam Roy
Professor : K.C. Premarajan
Associate Professor : Sonali Sarkar
            : Sitanshu Sekhar Kar
            : Ganesh Kumar S
Assistant Professor : Swaroop Kumar Sahu
            : Palanivel C
            : Subitha L
            : Mahalakshmy T
            : Jayalakshmy R
            : Venkatachalam J

Background information of the department

Department of Preventive and Social Medicine, JIPMER is the training and resource centre in the field of public health from Southern India. For undergraduate training Family Health and Advisory Programme (FHAP) is the unique program started by JIPMER, followed now in majority of medical colleges in India. Students follow a family for 2 terms and this helps in understanding the social contexts of illness. The department also trains UG students from laboratory sciences, nursing and medical records. The department trains PG in Community Medicine. PG Residents are actively involved in planning, organizing and managing the health centres. The department also offers Postgraduate Diploma in Public Health Management (PGDPHM) course aimed at strengthening the managerial competence under public health. Under the auspices of JIPMER International School of Public Health (JISPH), department offers Master of Public Health. Faculties from Harvard School of Public Health, London School of Hygiene & Tropical Medicine, National Institute of Epidemiology, Vector Control and Research Centre, participate in the program. Till date, from the department more than a few hundred peer reviewed papers and chapters in books were published. The department has completed and supported many internationally and nationally funded quality research projects (Maternal mortality, Geriatric Care model, Tele-ophthalmology, Health promoting School and Workplace project.) A multi-centric Indo-US TB project is underway. Over 50 postgraduate dissertations and several UG short term research projects under ICMR have been completed. Department of PSM supports other departments in designing and analyzing research projects and also plays an advisory role in JIPMER Scientific Advisory Committee.

The department participates in and conducts workshops like Short course in Epidemiology and Epi-data, focusing on capacity building of researchers and public health specialists. The department is the state monitoring unit for ICDS under National Institute of Public Cooperation and Child
Development. It acts as the nodal ‘Integrated Disease Surveillance Project’ site for JIPMER. The department conducts outbreak investigations and helps in monitoring national programs. Faculties from the department act as Technical consultants in national health programmes.

**Educational courses**

- MBBS
- BSC MLT
- MD- Preventive & Social Medicine (MD)
- Master of Public Health (MPH)
- Post Graduate Diploma in Public Health Management (PGDPHM)

**Conferences and CMEs Organized by the Department:**

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of the Program</th>
<th>Venue &amp; Date</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1st Orientation Workshop on Epidemiology for JIPMER faculty</td>
<td>JIPMER Academic Centre May 29-30th,2014</td>
<td>Dean Research in co-ordination with Dept of P&amp; SM</td>
</tr>
<tr>
<td>2</td>
<td>2nd Orientation Workshop on Epidemiology for JIPMER faculty</td>
<td>JIPMER Academic Centre</td>
<td>Dean Research in co-ordination with Dept of P&amp; SM</td>
</tr>
<tr>
<td>3</td>
<td>Orientation Workshop on Epidemiology</td>
<td>JIPMER Academic Centre, June 26 &amp; 27 , 2014</td>
<td>Dean Research in co-ordination with Dept of P&amp; SM</td>
</tr>
<tr>
<td>3</td>
<td>Grantsmanship Seminar</td>
<td>JIPMER Academic Centre, May 10, 2014</td>
<td>Project RePORT India, DBT &amp; JIPMER</td>
</tr>
<tr>
<td>4</td>
<td>Joint Leadership Meeting Agenda, India</td>
<td>JIPMER Academic Centre, 7-10th May, 2014</td>
<td>RePORT India initiative, DBT, GoI</td>
</tr>
<tr>
<td>5</td>
<td>CME on Introduction to Palliative care</td>
<td>SSB Auditorium 30th January, 2015</td>
<td>Dept of P&amp;SM, RCC</td>
</tr>
<tr>
<td>8</td>
<td>First state level IAPSM-IPHA Quiz for post graduates</td>
<td>SSB Auditorium, 5th February, 2015</td>
<td>Dept of P&amp;SM, IPHA &amp; IAPSM Pondicherry state chapter</td>
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<tr>
<td>9</td>
<td>5th Basic Epidemiology workshop</td>
<td>Dept of PSM, 10-16th November, 2015</td>
<td>Dept of P&amp; SM</td>
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</tbody>
</table>

**Conferences and CMEs Attended by Faculty:**

**Dr. Gautam Roy**

- Chaired a session in “RNTCP state level conference-2015” held at Indira Gandhi Medical College and Research Institute (IGMC & RI), Puducherry on 25th March, 2015.
- Chaired a session in “Palliative Care CME” held at SSB Auditorium, JIPMER on 30th January,2015
- Chairperson in “International Seminar on Research for Prevention and Control of Non Communicable Diseases (NCDs)” held at Pondicherry Institute of medical Sciences, Puducherry on 13th & 14th January 2015.
Resource person in “5th Basic Epidemiology workshop” held at JIPMER on 10th -15th November 2015.

**Dr. K.C. Premarajan**

- Participated in the “International Workshop on Micro-Nutrients and Child Health” held at AIIMS, New Delhi from 6-9 November 2014.
- Certificate awarded for acting as a resource person in “5th Basic Epidemiology workshop” held at JIPMER on 10th -14th November 2014.
- Certificate awarded for participation in “Palliative Care CME” held at SSB Auditorium, JIPMER on 30th January, 2015.
- Resource Person for the ‘Stakeholders meeting on National Health Policy 2015’ organised by Director of Health Services, Puducherry on 31.03.2015.

**Dr. Sonali Sarkar**

- Participated in 42nd National conference of IAPSM, 25th – 27th Feb 2015, KGMU Lucknow
- Participated in RePORT India-Fogarty 3rd Leadership Meeting, BJMC, Pune, 3rd to 5th March 2015
- Participated in RePORT India PI’s meet in LEAPRA India – BPHRC, Cherlapally, Hyderabad on 04.11.14
- Participated in International Conference on Climate Change and Health at MGC&RI on 09.1.15
- Participated in CME on Introduction to Palliative Medicine, JIPMER on 30.1.15
- Workshop on Good Clinical Research Practice, JIPMER
- Workshop on Book writing and Meet the publishers, organised by JSS, JIPMER on 07.11.14
- Grantsmanship Seminar conducted jointly by RePORT India and JIPMER on 10.5.14
- Orientation program for faculty on submission of research proposals to IEC (Human Studies) on 19.1.15.
- Presented a paper titled “Community Based Intervention for Depression among Elderly in Rural Pondicherry” for the Vijay Narain Award at the 42nd National conference of IAPSM, 25th – 27th Feb 2015, KGMU Lucknow.
- Chaired a scientific session on Communicable Diseases at the 42nd National conference of IAPSM, 25th – 27th Feb 2015, KGMU Lucknow.
- Chaired a scientific session on “TB co-morbidities” during the RePORT India-Fogarty 3rd Leadership Meeting, BJMC, Pune, 3rd to 5th March 2015
- Delivered lectures during the 5th Short Course on Basic Epidemiology, JIPMER from 10th to 15th Nov 2014.
- Member of a panel discussion during CME on Palliative Medicine, JIPMER on 30.1.15.
- Delivered lecture on “Non-Communicable Diseases in India: Overview and Strategies to Overcome” and “Adolescent Health: For investing on Future” during a National Seminar on “Education and Health: A Roadmap for a Sustainable Future” on 19th & 20th March 2015 at Avvaiyar Govt. College For Women, Karaikal.
Delivered a lecture on “Budgeting for a Research Grant” during the Research Grant Proposal Writing workshop for JIPMER faculty on 10th and 11th October, 2014 and on 24th and 25th October, 2014.

Delivered lecture on “Describing ‘Statistical analysis of data’ in the method section of the paper” during a CME on “Preparation of Manuscript and Publication of Research Papers in Indexed Journals” on 16th December, 2014, conducted as a part of Golden ASSOPICON 2014, organized by department of Physiology, JIPMER.


Delivered a talk on ‘Reproductive Health’ during the workshop on “Training of Trainers for a Better Life” conducted jointly by Dept of PSM and Bussman and Coopers on 10th and 11th Dec 2014.

Delivered a talk on ‘Health and Nutrition’ during a Health Awareness session conducted at Community College, Puducherry on 19.2.15.

Delivered a lecture on “Concepts of Health and Disease” at Bharathidasan Govt College for Women, Puducherry.

Lecture on “Errors and Bias elimination techniques” during the 1st year MSC/PhD orientation programme, JIPMER on 25.11.14

Delivered lecture on “Techniques to eliminate bias” during the 1st year PG orientation programme, JIPMER on 23.2.15.

Lecture on “Leadership and Team building” during the Interns orientation programme, JIPMER on 13.1.15.

Delivered Guest Address during the inauguration of Health and Nutrition club in the Department of Home Science, Bharathidasan Govt College For Women, Puducherry on 09.10.14.

Delivered a lecture during the 2nd Orientation Workshop on Epidemiology conducted by Office of Dean Research, JIPMER on 26th and 27th June 2014.

Delivered Guest Lecture on “Personal Health and Hygiene in Adolescents” during the NSS Special Camp, Kendriya Vidyalaya no.1, JIPMER on 09.10.14.

Dr. Ganesh Kumar S

Presented a research paper titled ‘Awareness on vector borne diseases among school children in rural Puducherry’ at 14th Word Congress on Public Health at Kolkata held from 11th to 15th February 2015.

Attended workshop on sharing potentially good practices in ICDS at NIPCCD Center, Bangalore from 27.02.2015 to 28.02.2015.

Attended PGDPHM partner institutes meeting at Public Health Foundation of India (PHFI), New Delhi on 10.03.2015.

Attended CME on ‘Introduction to Palliative Care’ held at JIPMER on 30.01.2015.

Resource person for the 5th Short Course on Basic Epidemiology held from 10th to 15th November 2014.
Resource person for the Orientation workshop on epidemiology held at JIPMER on 23rd to 24th of July 2014.

**Dr. Sitanshu Sekhar Kar**

- Attended as a Resource faculty Consultation on National Multi sectoral Action Plan for Non-communicable Diseases in India organized by MoHFW and WHO Country Office for India on 22nd-23rd May 2014 at New Delhi.
- Coordinated and conducted a two day workshop on “Clinico social Case in MD Practical Examination: Boon or Bane?” at JJ Medical College, Davangere, Karnataka from 29th to 30th June 2014.
- Acted as a resource faculty for the Epidemiology orientation programme organized by Division of Research, JIPMER in June 2014.
- Acted as a Resource Faculty in the workshop titled “Work Place Based Assessment methods” and conducted the session on “Multi-source feedback” organized by Dept of Medical Education, JIPMER on 19th July 2014.
- Conducted the 1st off-site Training Course on Educational Science for Health Professionals as Resource faculty organized by Dept of Medical Education, JIPMER at AIIMS-Patna from 24th July to 30th July 2014.
- Invited as Guest Faculty to deliver a talk on “Prevention and Awareness of Domestic Poisoning” on 10th of August 2014 at Toxocon-8 organized by Dept of Forensic and Toxicology, JIPMER.
- Was the Programme coordinator of 1st year MBBS Orientation Programme conducted by Department of Medical Education on 21st Sept 2014.
- Acted as a Resource Person in Pre-conference CME on “Biomedical Communication” at JN Medical College, Belgaum on 9th October 2014.
- Acted as Resource Faculty in the 5th Short Course on Basic Epidemiology conducted by the Department of PSM, JIPMER from 10th Nov to 15th Nov 2014.
- Was the Course Coordinator for Pre-conference Workshops on “Research Methodology and Biostatistics” on 19th and 20th of November 2014 as a part of the 3rd International and 6thNational Conference of Indian Society of Rational Pharmacotherapeutics 2014 organized by Dept of Pharmacology, JIPMER, Nov 2014.
- Was invited as Guest Speaker to talk about “Writing Results” in the First National Conference of the Association of Physiologists of India, Golden ASSOPICON 2014 organized by Dept of Physiology, JIPMER from 15th -19th December 2014.
- Presented a research paper titled “Is there a digital divide among school students? An exploratory study from Puducherry” at 14th World Congress on Public Health organized by IPHA and WFPHA from 11th -15th Feb 2015 at Science City, Kolkata.
- Chaired a session on “Health System Strengthening- thematic Session II” at 14th World Congress on Public Health organized by IPHA and WFPHA from 11th -15th Feb 2015 at Science City, Kolkata. Served as an expert in the abstract review committee at World Congress.
- Was selected as a Fellow for 2012 at Foundation for Advancement of International Medical Education and Research (FAIMER) Regional Institute at PSG, Coimbatore. And attended the third onsite programme at Coimbatore from 11th to 15th April 2013. Presented a poster title “Student centered learning in Community Medicine: an experience from JIPMER, Puducherry”.
- Acted as Course coordinator and resource faculty for 1st year PG Orientation programme in JIPMER organized by Department of Medical Education on 23 and 24th Feb 2014.
- Was a resource faculty for PhD/ MSc Orientation programme in JIPMER and delivered a talk on “Sample size estimation” organized by Department of Medical Education in Sept 2014.
- Participated as resource faculty in 70th, 71stand 72nd rounds of National Teachers Training Course for Health Professionals organized by the Department of Medical Education, JIPMER from 28.8-06.09.14, 02.02-07.02.14 and 16.02-21.02.15 respectively.
- Participated as resource faculty in National Teachers Training Course for Senior Residents organized by the Department of Medical Education, JIPMER from 20.01-22.01.15.
- Was a resource person for school teachers, paramedical staffs and medical officers for a World Diabetic Foundation project on “Establishing NCD clinics at Primary Health Centers of Puducherry”
- Acted as Resource Faculty for 1st national course on NCDs organized by Department of Community Medicine, PGIMER, Chandigarh from 17th- 26th March 2015. Delivered a Talk on “NCD Integration” and moderated a session on Research on NCDs.

Dr. Swaroop Kumar Sahu

- Resource person for the UNION’s South Asian Operational Research Course held in Kathmandu from 2 to 14 March 2015.
- Attended 42nd Annual National Conference of IAPSM at KGMU, Lucknow from 26-28 Feb 2015.
- Attended a CME on Introduction to Palliative Medicine coordinated by Dept. of PSM and RCC, JIPMER on 30th Jan 2015.
- Attended International Conference on Climate change and Health (CCCON-2015) organized by Sri Balaji Vidyapeeth University, Pondicherry on 9th Jan 2015.
- Resource Person and Course Coordinator of “5th Short Course on Basic Epidemiology”, organized by Department of Preventive and Social Medicine, JIPMER, for faculties of JIPMER and other institutions (10-15th Nov 2014).
- Resource person for EpiData Training for the faculties at PIMS, Pondicherry (26th Nov 2014).
- Attended the workshop on Book Writing and Meet the Publishers organized by JIPMER Scientific Society and Division of Research, JIPMER on 7th Nov 2014.
- Attended the “Symposium to identify priority areas of Occupational Health and Environmental Health Research in Southern Region” at Regional Occupational Health Centre (Southern), ICMR, Bangalore on 10th Oct 2014
- Resource person for the National Round table on “Climate Change and Health impacts of Energy Choices” at New Delhi on 13th Sept 2014 as a resource person.
- Participated in Red Cap orientation Program at e-learning centre, JIPMER on 7th Aug 2014.
- Participated in “Orientation workshop on Animal and Lab Experimentation” organized by Division of Research, JIPMER and Department of Physiology, JIPMER on 31st July 2014.
- Participated in the South Zone Round table on “Climate Change and Health impacts of Energy Choice – Coal” by Coal and Health Initiative India at Chennai on 26th July 2014 as a resource person.
- Resource Person for the “Orientation workshop on Epidemiology” organized by Division of Research, JIPMER and Department of PSM, JIPMER for JIPMER PhD Scholars during 23-24th July, 2014.
- Attended the foundation day meeting on Research opportunities, organized by JIPMER on 14th July 2014.
- Resource Person for Orientation Workshop on Research Methodology organized by Division of Research, JIPMER and Department of PSM, JIPMER, for JIPMER faculty from 29-30th May 2014.
- Participated in State Measles Surveillance Launch Workshop organized by World Health Organization (WHO) and NRHM (27-28 May 2014)
- Participated in the panel discussion on Vector Control as a resource person at Paul’s Engineering College, Puducherry (7th April 2014)

Dr. C. Palanivel

- Attended Regional level TOT for Integrated Biological Behavioural Surveillance (IBBS) under NACP IV organized by National Institute of Epidemiology, Chennai 1st to 5th April 2014.
- Attended co-ordination meeting regarding research proposal titled ‘Changing trends in sex work dynamics among Female Sex Workers in India’ organized by Department of AIDS Control and PHFI in New Delhi on 2nd July 2014.
- Attended “Orientation workshop on Animal and Lab Experimentation” organized by Division of Research, and Department of Physiology, JIPMER on 31st July 2014.
- Attended state level training of field investigators for Integrated Biological Behavioural Surveillance (IBBS) under NACP IV as a resource person, organized by National Institute of Epidemiology, Chennai on 26th April 2014.
- Attended the meeting on ‘Strategic and action plan to address the health issues of salt workers’ organized by MS Swaminathan Research Foundation (MSSRF) at Chennai on 26th June 2014.
- Participated in “Orientation workshop on epidemiology to JIPMER PhD Scholars” organized by Office of Dean (Research) and Department of Medical Education as a resource person, JIPMER during 23rd and 24th July 2014 as a resource person.
Attended Operational Research course (Module-3) as a facilitator/mentor in Union/MSF/WHO-TDR National Operational Research Course; 1-8th September 2014 (Module 3), Chennai.

Attended the screening camp for Diabetes and Hypertension, organized by Office of Medical Superintendent, JIPMER on 28th October 2014 at two villages of Villupuram district, Tamil Nadu.

Participated in Community Advisory Board and Community Monitoring Board meetings of Integrated Biological Behavioural Surveillance (IBBS) for the Female Sex workers (FSW) domain, organized at Pondicherry AIDS Control Society (PACS) on 31st October, 2014.

Participated in “5th Short Course on Basic Epidemiology” organized by Department of Preventive and Social Medicine, JIPMER between 10th and 15th November, 2014 as a resource person.

Attended ‘Operational Research Workshop in Tuberculosis’ for Medical Officers at Madurai as a facilitator, organized by NIRT/ICMR, Madurai Medical College/Government Rajaji Hospital, International Union Against Tuberculosis and Lung Disease and RNTCP on 13th and 14th November, 2014.

Participated in Pre-conference Workshop on “Research Methodology and Biostatistics” organized by Department of Pharmacology, JIPMER on 19th and 20th November, 2013 as a resource person.

Participated in “Orientation Programme for First Years of MSc/PhD Students” organized by Department of Medical Education, JIPMER on 25th November, 2014 as a resource person.

Participated in training course on “Efficient, Quality-assured Data Capture using EpiData” organized by Department of Community Medicine, Pondicherry Institute of Medical Sciences (PIMS) on 26th November, 2014 as a resource person.

Attended State IBBS Coordination Committee (SICU) meeting & Sentinel Surveillance Team (SST) meeting organized by National Institute of Epidemiology (ICMR) and Tamil Nadu State AIDS Control Society at Chennai on 28th November, 2014.

Attended Operational Research course (Module-3) as a facilitator/mentor in Union/MSF/WHO-TDR South Asian Operational Research Course; 5-12th December 2014 (Module 3), Kathmandu, Nepal.

Participated in Community Advisory Board and Community Monitoring Board review meetings of Integrated Biological Behavioural Surveillance (IBBS) for the MSM (men who have sex with men) domain, organized at Pondicherry AIDS Control Society (PACS) on 20th December, 2014.

Quiz master in ‘First state level IAPSM-IPHA Quiz for post graduates’ organized by Department of Preventive and Social Medicine, JIPMER on 5th February, 2015.

Participated in ‘First year PG Orientation program for MD/MS students-2015’ organized by Department of Medical Education, JIPMER on 23rd and 24th February, 2015 as a resource person.

Attended Operational Research course (Module-1 and Module-2) as a facilitator/mentor in Union/MSF/WHO-TDR South Asian Operational Research Course; 2nd-14th March 2015, Kathmandu, Nepal

Dr. Subitha L

Final NHLBI-CoE Investigators meeting on 31st May 2014 at St. John’s Research Institute Bangalore
Workshop on ‘Cardiovascular Prevention and Training Unit’ on 24th March 2014 at St. John’s Research Institute Bangalore

Grantsmanship Seminar conducted jointly by RePORT India and JIPMER on 10.5.14

Workshop on Good Clinical Research Practice, held at JIPMER on 23.08.14 and 24.08.14

RePORT India meet of Principal Investigators at Hyderabad on 04.11.2014

Workshop on Book writing and Meet the publishers, organised by JSS, JIPMER on 07.11.14

CME on Palliative care held at JIMER on 30.01.2015

International conference on Climate change and Health 2015” held on 09.01.2015 at Mahatma Gandhi Medical College, Puducherry

Orientation program for faculty on submission of research proposals to IEC (Human Studies) on 19.1.15

Delivered lectures during the 5th Short Course on Basic Epidemiology, JIPMER from 10th to 15th Nov 2014

Panel speaker on ‘NCD prevention and control – curriculum implementation for UG students’, International seminar on Research for prevention of NCDs, held at PIMS -13.01.2015

International conference of Rational Pharmacotherapeutics (ISRTPCON 2014)

Delivered a talk on during the workshop on “Training of Trainers for a Better Life” conducted jointly by Dept of PSM and Bussman and Coopers on 10th and 11th Dec 2014

Internship orientation program, JIPMER

PG orientation program, JIPMER

PhD orientation program, JIPMER

Coordinator for the Workshop Orientation workshop on Epidemiology for PhD scholars organised by Dean Research & Department of Preventive and Social Medicine on 23.07.14, held at JIPMER, Puducherry

Coordinated Workshop on Prevention and control of NCDs at JIRHC, Ramanathapuram

Coordinated ‘Prevention program for Workplace related Musculo-skeletal disorders’ as part of Integra – JIPMER healthy workplace initiative, on 10th and 11th April

Health promotion programs for All India Radio on topics like ‘Prevention of obesity in the community’and ‘physical activity and disease prevention’.

Health Awareness program on H1N1 at INTEGRA

Coordinated mobile health camps

Coordinated Public information campaign in Puducherry, on behalf of JIPMER for Press information Bureau (GOI)

Resource person for Epidata workshop at PIMS -26.11.2014 & JIPMER 04.04.15

Resource Person for the Stakeholders meeting on National Health Policy 2015 organised by Director of Health Services, Puducherry on 31.03.2015.

Attended the 2nd Joint Leadership Meeting Agenda, Puducherry, India from May7-10, 2014, organised by RePORT India initiative and DBT, Govt of India
**Dr. Mahalakshmy T**

- Attended a CME on Introduction to Palliative Medicine coordinated by Dept. of PSM and RCC, JIPMER on 30th Jan 2015
- Attended International Conference on Climate change and Health (CCCON-2015) organized by Sri Balaji Vidyapeeth University, Pondicherry on 9th Jan 2015
- Resource Person for “5th Short Course on Basic Epidemiology”, organized by Department of Preventive and Social Medicine, JIPMER, for faculties of JIPMER and other institutions (10-15th Nov 2014)
- Attended the workshop on Book Writing and Meet the Publishers organized by JIPMER Scientific Society and Division of Research, JIPMER on 7th Nov 2014
- Participated in Red Cap orientation Program at e-learning centre, JIPMER on 7th Aug 2014.
- Resource Person for Orientation Workshop on Research Methodology organized by Division of Research, JIPMER and Department of PSM, JIPMER, for JIPMER faculty from 29-30th May 2014
- Attended the foundation day meeting on Research opportunities, organized by JIPMER on 14th July 2014.
- Resource Person for the “Orientation workshop on Epidemiology” organized by Division of Research, JIPMER and Department of PSM, JIPMER for JIPMER PhD Scholars during 23-24th July, 2014
- Participated in “Orientation workshop on Animal and Lab Experimentation” organized by Division of Research, JIPMER and Department of Physiology, JIPMER on 31st July 2014.
- Grantsmanship Seminar conducted jointly by RePORT India and JIPMER on 10.5.14
- Delivered a talk during the workshop on “Training of Trainers for a Better Life” conducted jointly by Dept of PSM and Bussman and Coopers on 10th and 11th Dec 2014

**Dr. Jayalakshmy R**

- Attended a CME on Introduction to Palliative Medicine coordinated by Dept. of PSM and RCC, JIPMER on 30th Jan 2015
- Attended International Conference on Climate change and Health (CCCON-2015) organized by Sri Balaji Vidyapeeth University, Pondicherry on 9th Jan 2015
- Resource Person for “5th Short Course on Basic Epidemiology”, organized by Department of Preventive and Social Medicine, JIPMER, for faculties of JIPMER and other institutions (10-15th Nov 2014)
- Participated in EpiData Training for the faculties at PIMS, Pondicherry (26th Nov 2014)
- Attended the workshop on Book Writing and Meet the Publishers organized by JIPMER Scientific Society and Division of Research, JIPMER on 7th Nov 2014
- Participated in Red Cap orientation Program at e-learning centre, JIPMER on 7th Aug 2014.
- Participated in workshop on “Data cleaning” organized by National AIDS Control Programme at New Delhi on 28th -31st May, 2014
- Resource Person for the “Orientation workshop on Epidemiology” organized by Division of Research, JIPMER and Department of PSM, JIPMER for JIPMER PhD Scholars during 23-24th July, 2014
- Participated in “Orientation workshop on Animal and Lab Experimentation” organized by Division of Research, JIPMER and Department of Physiology, JIPMER on 31st July 2014.
- Delivered series of talk on “Nalamai vazhalam nigazhchi” in Radio Programme
- Grantsmanship Seminar conducted jointly by RePORT India and JIPMER on 10.5.14
- Undergone training in National workshop on teaching and training technology held at medical education department at JIPMER.
- Co-ordinated and delivered a talk during the workshop on “Training of Trainers for a Better Life” conducted jointly by Dept of PSM and Bussman and Coopers on 10th and 11th Dec 2014

**Dr. Venkatachalam J**
- Participated in 42nd Annual National IAPSM conference held at King George Medical University, Lucknow 25/2/2015 to 28/1/2015.
- Epi data workshop held at PIMS, Organised by Dept of Community Medicine, Pondicherry.
- Attended International Conference on Climate change and Health (CCCON-2015) organized by Sri Balaji Vidyapeeth University, Pondicherry on 9th Jan 2015
- Paper presented on Prevalence and determinant of systemic hypertension among 15 yrs and above respondents in rural areas of Kancheepuram district
- Delivered series of lectures for ICDS workers in co-ordination with dept of Women and Child Development, Puducherry on Essential antenatal care, Developmental milestones for under five children, Prevention strategy for Non communicable disease risk factors, Cancer screening methods, Contraception, Malnutrition management at community level and Sexually transmitted disease Delivered lecture on Investigation of out-break at Bharathithasan Arts & science college
- Delivered lecture on “Epidemiology of Case control study” at Vector Control And Research Centre, Pondicherry.
- Gave a Talk on ‘Food safety from Farm to plate’, World Health day Celebration, on April 7, 2015, at All INDIA Radio Puducherry.
- Resource Person for “5th Short Course on Basic Epidemiology”, organized by Department of Preventive and Social Medicine, JIPMER, for faculties of JIPMER and other institutions (10-15th Nov 2014)
- Undergone training in National workshop on teaching and training technology held at medical education department at JIPMER.
- Actively participated in the camp in co-ordination with CMHCHIS
- Question paper setter for Pondicherry University and Annaithersa institute of Para Medical Sciences, Pondicherry.
## Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Gautam Roy</td>
<td>RePORT India initiative</td>
<td>2014-2016</td>
<td>NIH</td>
<td>NIH, NIRT</td>
<td>Ongoing</td>
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<tr>
<td>2</td>
<td>Dr. Sonali Sarkar</td>
<td>Tuberculosis among Women in Pondicherry – Risk Factors for Disease and Outcome</td>
<td>2014-2016</td>
<td>None</td>
<td>State TB Officer, Govt of Puducherry</td>
<td>Ongoing</td>
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<tr>
<td>3</td>
<td>Dr Sitanshu Sekhar Kar</td>
<td>Prevalence and annual cost of hypertension care at JIUHC</td>
<td>2 years (March 2013-Feb 2015)</td>
<td>Intra mural Funds 2012-13 70,000 INR 2013-14 67,000 INR</td>
<td>Nil</td>
<td>Ongoing</td>
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<tr>
<td>4</td>
<td>Dr Sitanshu Sekhar Kar</td>
<td>Implementing Student centered learning methodology in Community Medicine</td>
<td>36 months (2012-2016)</td>
<td>No funding</td>
<td>Nil</td>
<td>Ongoing</td>
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<tr>
<td>5</td>
<td>Dr Sitanshu Sekhar Kar</td>
<td>Healthy Workplace model: A Feasibility Study</td>
<td>May –June 2015</td>
<td>No funding</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>6</td>
<td>Dr Sitanshu Sekhar Kar</td>
<td>Prevalence of select STIs in India</td>
<td>Concept note accepted by DAC, New Delhi</td>
<td>Approx 2.9 Cr INR</td>
<td>NARI, Pune NIECD, Kolkata</td>
<td>Waiting for funding from NARI</td>
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<tr>
<td>7</td>
<td>Dr Ganesh Kumar S</td>
<td>Prevalence and determinants of mental disability using Indian Disability Evaluation Assessment Scale in urban Puducherry</td>
<td>2012-2014</td>
<td>1,37,000</td>
<td>Dept of Psychiatry</td>
<td>Ongoing</td>
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<tr>
<td>8</td>
<td>Dr Swaroop Kumar Sahu</td>
<td>A Surveillance System for Injuries in JIPMER, Pondicherry - A Hospital Based Descriptive Study</td>
<td>Oct 2013 to Mar 2015</td>
<td>Nil</td>
<td>EMS</td>
<td>Ongoing</td>
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<tr>
<td>No.</td>
<td>Researcher</td>
<td>Title of the Study</td>
<td>Duration</td>
<td>Funded Status</td>
<td>Funding Agency</td>
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<tr>
<td>9</td>
<td>Dr Swaroop Kumar Sahu</td>
<td>Study on monitoring the Nutrition status of under-5 children by facilitating growth monitoring by their mothers – A quasi-experimental study</td>
<td>1 year and 6 months</td>
<td>Intra-mural fund</td>
<td>Nil</td>
<td>Will be initiated soon</td>
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<tr>
<td>10</td>
<td>Palnivel C</td>
<td>Evaluation of health status and occupational health hazards amongst the workers engaged in salt production in Vedaranyam, India</td>
<td></td>
<td>Not funded</td>
<td>MSSRF</td>
<td>ongoing</td>
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<td>11</td>
<td>Palnivel C</td>
<td>Feedback status on treatment initiation of patients diagnosed with tuberculosis in health facilities of Puducherry: A record based study</td>
<td></td>
<td>Not funded</td>
<td>-</td>
<td>Ongoing</td>
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<tr>
<td>12</td>
<td>Palnivel C</td>
<td>Identification and screening of eligible tuberculosis patients for drug resistance in national tuberculosis programme in Puducherry: An Operational Research</td>
<td>July-September, 2014</td>
<td>Not funded</td>
<td>-</td>
<td>Completed</td>
</tr>
<tr>
<td>13</td>
<td>Subitha L</td>
<td>Simulated participants for Counselling skills training in Public Health education – A feasibility study</td>
<td>June 2014-May 2016</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>14</td>
<td>Dr. Jayalakshmy</td>
<td>Effect of adherence to program guidelines regarding Iron &amp; Folic Acid supplementaton on Post partum Anemia in Pondicherry</td>
<td>2014-15</td>
<td>Nil</td>
<td>State Govt Puducherry</td>
<td>Concept note approved by JSAC</td>
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<tr>
<td>15</td>
<td>Dr. Mahalakshmy</td>
<td>Preparation of OSCE stations for assessment of competencies in Community Medicine</td>
<td>2014-2016</td>
<td>Nil</td>
<td>Nil</td>
<td>Concept note approved by JSAC &amp; JIPMER ethics committee</td>
</tr>
</tbody>
</table>

### Publications:

#### Dr. Gautam Roy

- Swaroop Kumar Sahu, Gautam Roy, Additional Opportunities for Integrated Child Development Services (ICDS) in India. Indian J Pediatr; 2014; 81(10):1117

#### Dr. K.C. Premarajan


- Dr. Sonali Sarkar


**Ganesh Kumar S**


- Kumar S G. Control of HIV: Role of female sex workers in risk of HIV transmission. Indian J.


**Sitanshu Sekhar Kar**

- Kar SS, Ramalingam A, Premarajan KC, Roy G. Do Medical Students Prefer a Career in

- C. Book/ Modules Chapters
- Kar SS, Thakur JS. “Integration of NCD Programmes and Addressing Comorbidity – A Road Map and Challenges” in Public Health Approaches to Noncommunicable Diseases.

**Dr. Swaroop Kumar Sahu**

- Divya Nair, Anindo Majumdar, Jayalakshmy Ramakrishnan, Mahalakshmy T., Swaroop Kumar Sahu. Feasibility of routine screening for domestic violence among women attending an urban health centre in Puducherry, India” International Journal of Medical Science and Public Health
- Poorana Ganga Devi N, Ajay MV Kumar, Palanivel Chinnakali, Swaroop Sahu, Selvaraj M, Valan AS, Rewari BB, Soumya Swaminathan. High loss to follow up among children on pre-ART care under national AIDS program in Madurai, South India. Journal of Acquired Immune Deficiency Syndromes 2015; (Accepted)
- Swaroop Kumar Sahu, Gautam Roy, Additional Opportunities for Integrated Child Development Services (ICDS) in India. Indian J Pediatr; 2014; 81(10):1117

**Dr. Palanivel C**


**Dr. Subitha**


Obstetrics and Gynaecology of India.DOI 10.1007/s13224-014-0637-x


- Sagili H, SwarupKumar, Subitha L, Papa D. Knowledge of HIV/AIDS and attitude towards voluntary counseling and testing among antenatal clinic attendees in tertiary institute in south India. Journal of Obstetrics and Gynaecology of India.


**Dr. Mahalakshmy**

- Hinduja G, Mahalakshmy T. Operational research: yield of sputum smear positivity for early morning and spot sputum 2014; Indian Journal of Medical Specialities;5(1):1

- Arulmozhi S., Mahalakshmy T. Self Care and Medication Adherence among Type 2 Diabetics in Puducherry, Southern India: A Hospital Based Study. Journal of clinical and diagnostic research. 2014; 8(4): UC01 - UC03


**Dr. Jayalakshmy**


- Dr. Venkatachalam


### Patient Care Services (JIPMER Urban & Rural Health Centre)

<table>
<thead>
<tr>
<th>S. No</th>
<th>Services Provided</th>
<th>Rural Health Centre (RHC)</th>
<th>Urban Health Centre (UHC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>No of Villages/Ward</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>2.</td>
<td>Population</td>
<td>9179</td>
<td>9597</td>
</tr>
<tr>
<td>3.</td>
<td>OPD Attendance</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Average per month</td>
<td>21099</td>
<td>24005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1758</td>
<td>2000</td>
</tr>
<tr>
<td>4.</td>
<td>Emergencies</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Average per month</td>
<td>9229</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>769</td>
<td>0</td>
</tr>
<tr>
<td>5.</td>
<td>Chronic Illness Clinic conducted</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Patients attending clinic every month</td>
<td>52</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td></td>
<td>488</td>
<td>398</td>
</tr>
<tr>
<td>6.</td>
<td>TB Reports</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A .DOTS-Category 1</td>
<td>07</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>DOTS-Category 2</td>
<td>01</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>B. MDR TB</td>
<td>01</td>
<td>1</td>
</tr>
<tr>
<td>7.</td>
<td>Antenatal Clinic Conducted</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>New ANC Registered</td>
<td>47</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td></td>
<td>130</td>
<td>83</td>
</tr>
<tr>
<td>8.</td>
<td>Under-Five Clinic Conducted</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>New Under-Five children registered</td>
<td>48</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td></td>
<td>130</td>
<td>98</td>
</tr>
<tr>
<td>9.</td>
<td>Immunization</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. Antenatal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TT.1 dose</td>
<td>95</td>
<td>62</td>
</tr>
<tr>
<td></td>
<td>TT.2 dose</td>
<td>86</td>
<td>59</td>
</tr>
<tr>
<td></td>
<td>Booster</td>
<td>16</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>B.Children</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DPT 1dose</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>DPT 2dose</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>DPT 3dose</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>DPT Booster</td>
<td>127</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td>OPV 1dose</td>
<td>0</td>
<td>74</td>
</tr>
<tr>
<td></td>
<td>OPV2dose</td>
<td>1</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>OPV3dose</td>
<td>0</td>
<td>82</td>
</tr>
<tr>
<td></td>
<td>OPV Booster</td>
<td>127</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td>Hepatitis B 1 dose</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Hepatitis B 2 dose</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Hepatitis B 3 dose</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Pentavalent/OPV 1dose</td>
<td>87</td>
<td>74</td>
</tr>
<tr>
<td></td>
<td>Pentavalent /OPV2dose</td>
<td>103</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>Pentavalent/OPV 3 dose</td>
<td>110</td>
<td>82</td>
</tr>
<tr>
<td></td>
<td>Measles</td>
<td>110</td>
<td>82</td>
</tr>
<tr>
<td></td>
<td>MMR</td>
<td>127</td>
<td>95</td>
</tr>
<tr>
<td>C. School Children</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>DPT at 5Years</td>
<td>167</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>TT at 10Years</td>
<td>167</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>TT at 16 Years</td>
<td>167</td>
<td>49</td>
<td></td>
</tr>
</tbody>
</table>

**Major events of JIUHC Kurusukuppam during 2014-15**

- Observed the month of June 2014 as Anti-Dengue month IEC campaigns, Rallys, Health education sessions, Source reduction activities etc.
- Observed the month of July 2014 as Anti-Malaria Month with special IEC campaigns, rallies, Health education sessions, Source reduction activities etc.
- World breast feeding week was observed at the health center on 4 August 2014
- Observed World Heart Day on 29th Sep 2014
- School health checkup was conducted in Donbosco Higher Secondary School in the month of October 2014.
- Observed World Diabetes Day on 14th Nov 2014 at the Health Center
- Orientation programme was conducted for community volunteers selected as Domestic Breeding Checkers for intensified Source Reduction Campaign on 12 Jan 2014.
- IPPI activities were conducted on 18th January 2014 and 22nd February 2014.
- International women’s day was observed on 13th march at community hall Vazhakulam.
- Screening of Public for Glaucoma was done on 13th March 2015. DM and HT Patients above 40 years were motivated to attend the clinic and 92 people from the community attended the clinic.
- World Tuberculosis Day was observed in collaboration with School of Nursing JIPMER, at Community Hall Vazhakulam on 24 March 2015
- Patient provider meeting was conducted as part of World Tuberculosis day on 27 march 2015 at Conference Hall JIUHC
- Adolescent Health Awareness Programme was conducted at JIUHC Conference Hall on 28 March 2015

**Training, Workshops, Meetings etc Attended by Staff from JIUHC during 2014-15**

- Well Women Workshop conducted at Conference Hall Nursing College JIPMER on 21st August 2014, was attended by Ms. Amala lazar (PHN) and Ms. Christeena Milton (Nursing Sister).
- RNTCP – Retraining in DOTS to Para Medical Staff was attended by Bitty Thomas, Medical Social Worker on 4 February 2014 at NRHM Conference Hall
- The nursing staff of JIUHC attended the One Day Training Programme on Family Welfare Activities and Monthly report preparation (HMIS & MCTS) at NRHM Conference Hall
- One day refresher training on Topics of Pre Conception and Prenatal Diagnostic techniques, Reproductive, maternal, Neonatal, Child Health and Adolescent Care, conducted by DHFWS Pondicherry on 23 January 2014, was attended by the Nursing Staff of the Health center.
Details of important activities/training/days observed in the RHC between (01/04/14 to 31/03/15)

- VHND Conducted regularly in all four areas on 3rd Tuesday
- Vector Bourne diseases control program conducted on 07.04.14
- World No Tobacco day observed on 31.05.14
- HRA Immunization week conducted on May 2014
- Malaria month observed and quiz program conducted for school children on 19.06.2014
- World population day observed on 11.07.2014
- Dengue rally conducted with school children on 24.07.2014
- Anti drug day observed on 27.07.2014
- School vaccine given in all schools in the service area in Aug 2014
- Breast feeding week celebrated on 08.08.2014
- Intensified diarrhea control program on 11.08.2014
- Cancer awareness program for all staff and AWW on 21.08.2014
- Cervical cancer screening camp conducted on 25.08.2014
- Physical and mental rehabilitation camp conducted on 01.10.2015
- World hand washing day conducted in all the school on 28.10.2014
- World heart day observed on 15.10.2014
- Special immunization camp conducted on 28.10.2014
- World Diabetic day observed on 19.11.2014
- Well baby show conducted on 20.11.2014 and 13.03.2015
- Wellness of mother and child day celebrate on 21.11.14
- VHSC meeting conducted in all areas
- Anganwadi teachers meeting conducted every month
- IPPI conducted in two phases in Jan and Feb
- Cancer awareness program conducted at Nehru teacher training college on 06.01.2015
- Reproductive and sex education program conducted on 14.02.2015
- Ophthalmology mobile camp conducted on 29.01.2015
- Family welfare counselling both in ANC and under five clinics
- Adolescent health clinic conducted on all Saturdays.
- Physical and Mental wellness program conducted on every Wednesday.
- TB day observed on 23.03.2015
- Adolescent awareness program conducted on 26.03.2015
- Women’s day celebrated on 26.03.2015
Training, Workshops, Meetings etc Attended by Staff from JIRHC during 2014-15

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name</th>
<th>Designation</th>
<th>Date</th>
<th>Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. T. Karthikeyan</td>
<td>S/I</td>
<td>17.10.2014</td>
<td>Dengue Prevention training programme</td>
</tr>
<tr>
<td>2</td>
<td>All Paramedical staff</td>
<td>PHN&amp; Staff</td>
<td>07.01.2015</td>
<td>IPPI - training</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Prarthana, all PHN, staff &amp; Interns</td>
<td>GDMO &amp; Staff</td>
<td>10.01.2015</td>
<td>IPPI – Phase I training programme</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Prarthana</td>
<td>GDMO</td>
<td>27.01.2015</td>
<td>DDFW on PNDT ACT and RMNCI+A.</td>
</tr>
<tr>
<td>5</td>
<td>All Paramedical staff &amp; ANM</td>
<td>PHN &amp; Staff</td>
<td>03.02.15 to 13.02.15</td>
<td>DDFW PNDT ACT and RMNCI+A.</td>
</tr>
<tr>
<td>6</td>
<td>Mr. T. Karthikeyan</td>
<td>S/I</td>
<td>10.02.15</td>
<td>RMNCI+A activities</td>
</tr>
<tr>
<td>7</td>
<td>Mrs. Revathi Ramachandiran and Mrs. Rathna</td>
<td>PHN</td>
<td>06.03.15</td>
<td>MCTS Training</td>
</tr>
</tbody>
</table>

b) Laboratory services

Hematology:

1. Hb 530 482
2. Tc 052 032
3. Dc 050 032
4. ESR 007 08
5. BT CT 001 0
6. PS for Anemia 046 0
7. Ps for MP 101 30
8. PS for MF 000 3
9. Blood grouping 217 84

Biochemistry:

1. Blood sugar 2851 1419
2. Blood Urea 0871 671
3. Sr.Creatinine 0871 671
4. Total cholesterol 0000 727
5. Lipid profile 0872 727
6. LFT 0050 56
7. Total protein 0003 56
8. Sr.Albumin 0003 56
9. Total Bilirubin 0003 56
10. Direct Bilirubin 0003 56
11. CK Total 0001 0
12. CK MB 0001 0

**Serological Investigations:**
1. HIV 09 0
2. HBsAg 09 69
3. VDRL 07 69

**Urine Investigation:**
1. Albumin 367 140
2. Sugar 066 140
3. M/E 093 38
4. Bile pigment 000 0
5. Pregnancy Test 081 45
6. Urine Acetone 002 0

**Sputum Investigations:**
1. Sputum for AFB 162 92 (referral)

Grand total 7329 6525

**Awards, Honours and Other Personal Achievements**

**Dr. Gautam Roy - Secretary JSS**

**Dr. Sonali Sarkar**
- Convener of the “Health and Wellness” task force of Indian Womens’ Network (IWN), Puducherry, the Womens’ wing of Confederation on Indian Industries (CII)
- Editor of International journal of advanced medical research
- Reviewer of Indian Journal of Public Health

**Dr. Ganesh Kumar S**
- Editorial member of J Natural Science, Biology and Medicine.
- Senior Editor of Journal of Pioneering in medical sciences.
- Reviewer in national and international journals.
- Treasurer Indian Public Health Association (IPHA) Puducherry State Branch.

**Dr. Sitanshu Sekhar Kar**
- Completed FAIMER Fellowship from PSG-FAIMER Regional Institute with distinction in April 2014.
Completed successfully E-Learning Course on Basics of Health Economics by World Bank in February 2015.

Editor of International Journal of Medicine and Public Health

Life member of South East Asian Regional Association for Medical Education (SEARAME)

Honorary Secretary of State IPHA branch of Puducherry.


Dr. Swaroop Kumar Sahu

Completed Human Research Curriculum Training (Collaborative Institutional Training Initiative (CITI) Program (4th June)

Completed Good Clinical Practice Training (Collaborative Institutional Training Initiative (CITI) Program (18th May)

Dr. Palanivel C


Dr. Venkatachalam

Research paper was nominated for Kalluram memorial award, 2015.

Joint secretary for Indian Public Health Association, Puducherry Chapter.

Administrative, Patient Care, Educational, Research and Other Assignments

Dr. Gautam Roy Member Ethics Committee-Sri Manakula Vinayagar Medical College

Secretary JSS, JIPMER

Member Sub-committee, JSAC

Central workshop Consultant for ICDS monitoring project for UT of Puducherry supported by National Institute of Public Cooperation and Child Development (NIPCCD), New Delhi.

Actively engaged in UG, PG, MPH and PGDPHM teaching.

Dr. K.C. Premarajan

Faculty in Charge of UG Teaching Programs of Dept.of P&SM

Project Co-ordinator for Developmental Projects (Phase III and IV) (Relieved on 2nd March 2015)

Warden for Osler House and Lister House

Officer In charge of Security Services, House Keeping Services at New Hostel Complex.

Member, Student Canteen Committee.

Member of Expert Committee on Equipment Purchase and Maintenance at Rajah Muthaiah Medical College, Annamalai University, Chidambaram

Consultant for ICDS monitoring project for UT of Puducherry supported by National Institute of Public Cooperation and Child Development (NIPCCD), New Delhi.
- PG Examiner for Kerala University of Health Sciences Thrissur, Belgaum University, Rajiv Gandhi University of Health Sciences, Bangalore and JIPMER.
- MBBS examiner at Ramachandra University at Porur, Chennai, Sri Balaji Vidhyapeed, Puducherry, and JIPMER

**Dr. Sonali Sarkar**
- Faculty in charge of PG studies in the Dept of PSM
- UG Research Monitoring Committee, JIPMER
- PAC/RRC committee, JIPMER
- JIPMER Official Language Implementation Committee (JOLIC)
- External examiner for MD examination for Balaji Vidyapeeth University 13th and 14th October 2014
- External Examiner for MBBS Practical and Clinical examinations held on 02.12.14 to 05.12.14 in Balaji Vidyapeeth University
- Examiner for BSc MLT examination, JIPMER
- Guide for two PG dissertations
- Guide for two MPH dissertations
- Co-guide for one PG dissertation
- Guide for ICMR-ST project for 2015
- Consultant for ICDS monitoring project for UT of Puducherry supported by National Institute of Public Cooperation and Child Development (NIPCCD), New Delhi.
- Actively engaged in UG, PG, MPH and PGDPHM teaching.

**Dr. Ganesh Kumar**
- Faculty In Charge of JIRHC, Ramanathapuram.
- In charge of PGDPHM Course.
- Guide/Co guide for 3 MD, 2 MPH and one PGDPHM candidates.
- External examiner to RGUHS Bangalore, Pondicherry University, MGR University Tamil Nadu for MBBS practical examination.
- Institute Representative for JIPMER UG and PG entrance examination at Bangalore center.
- Consultant for ICDS monitoring project for UT of Puducherry supported by National Institute of Public Cooperation and Child Development (NIPCCD), New Delhi.

**Dr. Sitanshu Sekhar Kar**
- MPH coordinator and Faculty In-charge of MPH studies. Conceptualized contents, planned and implemented and coordinated the content delivery of MPH course. Managed the visits of Guests faculty. Also participated in the Mid-course evaluation of the MPH course conducted by Dean (Academic) JIPMER on 31st March 2014.
- Served as an internal monitor for PhD candidate from Dept of Pharmacology.
Served as Internal Examiner for the University MBBS examination in June 2014.

In charge of Integrated Disease Surveillance Project (IDSP) activities. The department of PSM acts as the nodal department for IDSP activities at JIPMER.

Member of Hospital Infection Control Committee of JIPMER.

Member of PG research monitoring committee constituted by Dean Research, JIPMER.

Member Secretary of Overhead cost monitoring committee constituted by Dean Research, JIPMER.

Consultant for ICDS monitoring project for UT of Puducherry under taken by National Institute of Public Cooperation and Child Development (NIPCCD).

Actively involved in MBBS, PG, PGDPHM teaching.

Part of JIPMER Urban Health Center Unit, Department of PSM.

**Dr. Swaroop Kumar Sahu**

Faculty-in-Charge from dept. of PSM, JIPMER, for ICDS monitoring as part of State Monitoring Unit for Integrated Child Development Services (ICDS) for UT of Puducherry.

Faculty-in-Charge of BScMLT course from Department of PSM, JIPMER.

Faculty-in-Charge of Urban Health Center, Department of PSM, JIPMER from Mar 2014 and have assisted the previous faculty-in-charge of Urban Health Center and Rural Health Centre, Department of PSM, JIPMER.


Was an internal examiner for PGDPHM course at JIPMER (25th July 2014).

Was an external examiner for Pondicherry University for MBBS Examination in IGMC&RI, Pondicherry (18-20 Dec 2014).

Member of JIPMER Quality Council.

**Dr. Palanivel C**

Faculty in-charge-Department library.

Part of JIPMER Rural Health Center Unit, Department of PSM.

Faculty in-charge (Assistant)-Post graduate teaching and training.

Guide for PGDPHM dissertation titled ‘Profile of patients attending Siddha OPD and their perceptions regarding quality of Services at Government Hospitals in Erode District, Tamil Nadu’

Co-guide for Msc. (Community Nursing) titled ‘Prevalence of common ocular morbidities among rural high school students of Puducherry’

Guide for MPH dissertation titled ‘Clinical profile and risk of future adverse events among patients diagnosed with chronic obstructive pulmonary disease attending allergy clinic at a tertiary care centre, South India’

Guide for MPH dissertation titled ‘Clinical profile, outcomes and trends of suspected scrub typhus cases among children in a tertiary hospital in Puducherry, South India’
- Guide for ICMR short term studentship project titled ‘Tobacco use among presumptive tuberculosis patients attending designated microscopy centre in a tertiary care centre’
- Co-guide for MD dissertation titled ‘Effect of Mobile Voice Calls on Treatment Initiation among Patients Diagnosed with Tuberculosis in a Tertiary Care Hospital: A Randomized Control Trial’
- Guide for MD dissertation titled ‘Intensified Tuberculosis Case Finding using Expanded Clinical Algorithm among HIV Infected Patients Attending an Antiretroviral Therapy Centre in Puducherry’
- Co-guide for MD dissertation titled ‘Factors Associated with Perinatal Mortality in Pregnant Women with Hypertensive Disorders– A Case Control Study’
- Co-guide for MD dissertation titled ‘Evaluation and screening approach to the management of household contacts of paediatric tuberculosis cases: A prospective observational study’

**Dr. Subitha**
- Member in Faculty Resident Joint Committee
- Guide for 2 MPH candidates, 1 Postgraduate, 1 PG Diploma
- Co-guide for 1 MPH & 1 MSc Nursing candidates
- Guide for 1 ICMR STS 2014, 1 in 2015
- Assisting in UG studies, Rural centre, Stores and IT committee, Outreach activities

**Dr. Mahalakshmy**
- Part of the JIPMER urban health centre team
- Guide for 2 MPH candidates
- Co-guide for one MPH candidate & and one MSc Nursing candidate
- Incharge of teaching aids in Department
- member of plagiarism verification committee, assist in IDSP reporting
- Liaisoning with VCRC for training in GIS
- Interns orientation programme
- Post graduate orientation programme

**Dr. Jayalakshmy**
- Examiner for BSc MLT exam in Venkateshwara Medical College & Research Institute, Ariyur, Puducherry in 2014
- Examiner for BSc MLT exam in Pondicherry University, Kalapet, Puducherry in 2014
- Guide for 2 MPH candidates and co-guide for one MPH candidate
- Guide for one MD dissertation
- Guide for one MSc Nursing dissertation
- Co-convenor Indian Women Network

**Dr. Venkatachalal**
- Chief supervisor for UG &PG final Exam conducted in dept of PSM 2014.
A part of UG teaching in-charge, IT In charge the and museum incharge in the department.

Reviewer of Indian journal of Public Health and health Agenda journal

**Significant events in the departments**

**Health Camps Conducted from 1/2/14 to 31/1/15**

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Health Camp</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Periyamuthaliyarchavady, Tamil Nadu</td>
<td>20/02/14</td>
</tr>
<tr>
<td>2</td>
<td>Tamarakulam Elder’s Village, Tamil Nadu</td>
<td>07/04/14</td>
</tr>
<tr>
<td>3</td>
<td>Cancer Screening at Caos Apparels, Puducherry</td>
<td>August 14</td>
</tr>
<tr>
<td>4</td>
<td>Santhosha Nanban home, Puducherry</td>
<td>14/08/14</td>
</tr>
<tr>
<td>5</td>
<td>Thiruchitrambalam, Tamil Nadu</td>
<td>16/08/14</td>
</tr>
<tr>
<td>6</td>
<td>School health camp - Seventh Day School, Puducherry</td>
<td>3rd to 5th December</td>
</tr>
<tr>
<td>7</td>
<td>Semakottai, Tamil Nadu</td>
<td>20/12/14</td>
</tr>
<tr>
<td>8</td>
<td>Kalvarayan Hills, Tamil Nadu</td>
<td>24/01/15</td>
</tr>
<tr>
<td>9</td>
<td>Workplace health promotion camp at INTEGRA</td>
<td>February 2015</td>
</tr>
</tbody>
</table>

**List of Health promotional camps**

**School health promotion:**

- Health Education at Veerampatinam School
- Healthy School Initiative At Kurichikuppam
- Hand Washing Day at Schools in service area
- Dengue Awareness Programme
- Health Education At Veerampatinam School
- Adolescent Health And Nutrition at Thondamantham Government school
- Kendriya Vidyalaya school, JIPMER

**Health promotion at colleges:**

- Health Talk On Reproductive And Sexual Health Acharya arts and science college, Villianur
- Community College (Nutrition And Reproductive Health, Cancer Prevention)
DEPARTMENT OF PSYCHIATRY

Faculty List:

Officer In-Charge: D. K. S. Subrahmanyam

Associate Professors: Ravi Philip Rajkumar
                    : Shivanand Kattimani

Assistant Professors: Vikas Menon
                     : Balaji Bharadwaj
                     : Preeti Kandasamy

Background Information of the Department

For over fifty years, the department of Psychiatry has provided high-quality care to patients with mental illnesses and substance use disorders. The department provides up-to-date consultation-liaison psychiatry services to address psychiatric issues in patients who are medically ill. The department also caters to the needs of various special populations through specialty clinics and inter-departmental collaborations. The department was the first in the country to start teaching behavioural sciences to undergraduate medical students and later the practice was taken up by other medical colleges. Undergraduate and post-graduate students of various disciplines are trained, and conduct research, under the guidance of the department.

Educational courses:

Undergraduate courses:

The Department provides theoretical and clinical training in psychiatry to students of the following courses:

MBBS:

MBBS students receive a series of 10 didactic lectures on the fundamentals of psychiatry in their 6th semester. They are also posted in the department for clinical exposure twice: for 15 days during their 6th semester, and for 15 days during their internship.

B. Sc. (MLT):

B. Sc. (MLT) students receive a series of 4 lectures on the classification and diagnosis of mental disorders.

B. Sc. (Bio-technology):

B. Sc. (Bio-technology) students receive a series of 5 lectures on Brain stimulation.
Postgraduate courses:

- The MD (Psychiatry) course is conducted by the Department, with 3 new students being taken every year. The residency programme includes comprehensive training in Adult Psychiatry, Child and Adolescent Psychiatry, Neurology, Emergency Medicine and various speciality clinics such as Deaddiction, Crisis Intervention, Memory, Marital & Psychosexual Disorders and Psychosomatic Disorders.
- The M. Sc. (Psychiatric Nursing) course provides post-graduate level training in psychiatric nursing. The course involves active participation in out-patient and in-patient clinical work. The students are also required to complete a project related to mental health nursing.
- Masters in Public Health (MPH) course has been initiated at JIPMER this year and the Department of Psychiatry has been actively involved in a short series of didactic lectures on Community Mental Health. Students also have the option of doing their dissertation in collaboration with Psychiatry.
- M. Sc (Applied Psychology) and M. S. W (Social Work) students from Pondicherry University are also posted in the Department for a training period of 2-3 months.

Higher specialty courses: None.

Research courses:

- The Department provides guidance to Ph. D. scholars and MD students from other Departments, whose research topic involves studying patients with mental illness.

Paramedical Courses:

- The Department of Psychiatry conducts a series of lectures on Neuro-modulatory techniques including electroconvulsive therapy and repetitive transcranial magnetic stimulation for B.Sc. Neuro-technology course.
- The department also conducts a four lecture series on psychiatric terminology for Medical Records Officers (MRO) each year.
- The department provides training to students pursuing their Diploma in Emergency Medical Technology, including sessions on stress management and behavioural emergencies.

Conferences and CMEs organized by the Department

- A live interview on All India Radio (FM Rainbow) Puducherry on 10th October, 2014 on occasion of World Mental Health Day 2014 by Dr Balaji Bharadwaj. He educated the public on identification of common signs of mental illness, nature of treatments available and clarified myths regarding mental illness and its treatment. He also spoke of addiction related problems during the interview.
- Dr Karthik and Ms Chitralekha S.S.O., conducted a live interview on Big FM, Puducherry on 8th October, 2014 on occasion of World Mental Health Day 2014 regarding mental health problems in young adults and students; it also included a question and answer session.

Conference and CMEs attended by the Faculty

Dr Ravi Philip Rajkumar

Conferences and training programmes attended as a resource person:

1. Superspeciality PG orientation programme held in January 2015; delivered a talk on “Coping with work-related stress”
2. World Mental Health Day conference on “Living with Schizophrenia” conducted by Mother Theresa Postgraduate Institute of Health Sciences, Puducherry on October 10, 2014; delivered a lecture on “Rehabilitation in schizophrenia”

3. Conducted five guest lectures on Clinical Neuropsychology at the Department of Applied Psychology, Pondicherry University, in October 2014.

4. Delivered a lecture on “Course and outcome of bipolar disorder” as part of the International Society for Bipolar Disorders’ Continuing Medical Education Programme held at the National Institute of Mental Health and Neurosciences, Bengaluru on December 11, 2014

5. Was a panel member for a post-graduate CME programme on “The management of depression”, conducted by Pfizer Neurosciences at Hotel Accord, Puducherry on July 5, 2014

Conferences and training programmes attended as a delegate:

1. Presented a poster on “Correlates of suicidality in acute and transient psychosis” at the International Conference on Schizophrenia (IConS) organized by the Schizophrenia Research Foundation, Chennai, on 21-23 September 2014.

2. Underwent two weeks’ training and knowledge transfer on Immunopsychiatry and related topics at Hopital Albert Chenevier, Creteil and Hopital Fernand Widal, Paris as part of a CEFIPRA-sponsored Indo-French research project from 19th January - 1st February 2015.

3. Attended the advisory meeting on “Proposed revisions to the Mental Health Care Bill, 2013” held at the Ministry of Health and Family Welfare, Nirman Bhawan, New Delhi on 14th November, 2014

Dr Shivanand Kattimani

International:

1. Attended and presented scientific papers on ‘Lipid Peroxidation, Total Antioxidant Status & Metalloproteinase-9 Levels in Male Patients with Schizophrenia.’ and ‘Treatment non-adherence among patients with psychosis: patient perspectives on difficulties in adherence and solutions to overcome them.’ at Sixth International Conference on Schizophrenia (IConS), organized by the Schizophrenia Research Foundation(SCARF), held from 21-23rd August 2014 at Chennai, India.

2. Presented paper on ‘Association between personality traits and severity of suicide intent in attempted suicide’ at 5th Asia Pacific Regional Conference in Psychosocial Rehabilitation of the World Association for Psychosocial Rehabilitation (WAPR) from 6th to 8th February 2015,held in Bengaluru, India,

National:


2. Attended and spoke as a part of symposium on ‘Different successful models of psychosocial rehabilitation at a General Hospital Psychiatric Unit-JIPMER experience.’ at National Conference on Research and Services in Psychiatric Rehabilitation: Focus on Recovery, held from 8-9th March 2014, at Bangalore, Karnataka.

4. Attended and presented papers on ‘Suicide attempters with abdominal pain as the reason for suicide: case series’ and ‘Window of time from suicidal idea to attempt: Opportunity for intervention in a select few?’ at 67th Annual Conference of the Indian Psychiatric Society (ANCIPS), held from 8-11 January 2015, at Hyderabad, Andrapradesh.

5. Paper presented on ‘Suicide risk among elderly in rural community’ at the 41st National Annual Conference of the Indian Association of Clinical Psychologists (NACIACP), held from 6-8th February 2015 at Gandhinagar, Gujarat.

Dr Vikas Menon

Conferences and training programs attended as a resource faculty

1. Training Course on Medical Education for Senior Residents from April 10th -12th, 2014 conducted by National Teacher Training Center (NTTC), JIPMER. (granted 15 credit points by JIPMER).

2. First year PG orientation program held on 16-18th June, 2014 at JIPMER.

3. One day workshop on ‘Workplace based assessments’ for JIPMER faculty conducted by NTTC, JIPMER on 19.07.2014.

4. 70th National Course in Educational Science for teachers of health professionals from Aug 28th - Sept 6th, 2014 conducted by NTTC, JIPMER. (granted 30 credit points by JIPMER)

5. Delivered invited talk on ‘Management of Sleep Disorders: Physiological perspective’ at first National Conference of Association of Physiologists of India (ASSOPICON 2014) organized by Dept. of Physiology, JIPMER.

6. Interns Orientation Program held on 12.01.2015 and 13.01.2015 held in the Dept. of Medical Education, JIPMER and took a session on oral communication.

7. Senior Residents Course on Medical Education Technology held from 20.01.2015 to 22.01.2015 in the Dept. of Medical Education, JIPMER and took a session on Powerpoint – do’s and don’t’s.

8. 71st National Course in Educational Science for teachers of health professionals from Feb 2nd - Feb 7th, 2015 conducted by NTTC, JIPMER. (granted 30 credit points by JIPMER)

9. 72nd National Course in Educational Science for teachers of health professionals from Feb 16th - Feb 21st, 2015 conducted by NTTC, JIPMER. (granted 30 credit points by JIPMER)

Conferences and training programs attended as a delegate

1. Workshop on “Good Clinical Research Practice” organized by Dept. of Clinical Pharmacology, JIPMER from Aug 22-23, 2014. (Awarded 4 credit hours of category 2 CME credits by Tamil Nadu Medical Council and awarded 3 credit hours with 15 credit points by JIPMER).


3. 15th Basic Course Workshop in Medical Education Technologies from December 1st - 3rd, 2014 conducted by Dept. of Medical Education, CMC, Vellore. (granted 30 credit points by Tamil Nadu Dr MGR Medical University)
**Dr Balaji Bharadwaj**

**Conferences and training programs attended as a delegate**

1. Orientation Workshop on Research Methodology, JIPMER on 29th & 30th May, 2014.
4. 72nd National Course on Educational Science for Teachers of Health Professionals, JIPMER from 16th to 21st February, 2015.

**Research Projects as Principal Investigator:**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency</th>
<th>Collaborating Institutions / Dept</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr Ravi Philip Rajkumar</td>
<td>A study of psychosocial distress and quality of life in women with infertility</td>
<td></td>
<td></td>
<td>Obstetrics and Gynaecology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr Ravi Philip Rajkumar</td>
<td>A study of oxidative stress and DNA damage in patients with dementia</td>
<td></td>
<td></td>
<td>Anatomy</td>
<td>Completed</td>
</tr>
<tr>
<td>3</td>
<td>Dr Shivanand Kattimani</td>
<td>Stigma and its correlates in schizophrenia and related psychotic disorders: a multicentric cross-sectional study</td>
<td></td>
<td>Non funded</td>
<td></td>
<td>Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Shivanand Kattimani</td>
<td>Assessment of vitamin D related gene polymorphisms in Postpartum depression among Indian women</td>
<td>3 year</td>
<td>DBT</td>
<td>Biochemistry, Obstetrics &amp; Gynaecology</td>
<td>ongoing</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Shivanand Kattimani</td>
<td>Assessing serum Brain Derived Neurotrophic Factor and Matrix Metalloproteinase -9 levels and their correlation with Cognitive Function in Bipolar I disorder in remission.</td>
<td>2 year</td>
<td>Intramural</td>
<td>Biochemistry</td>
<td>Ongoing</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Title</td>
<td>Duration</td>
<td>Funding</td>
<td>Institute/University</td>
<td>Status</td>
</tr>
<tr>
<td>-----</td>
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<td>-----------------------------------------------------------</td>
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</tr>
<tr>
<td>6</td>
<td>Dr Vikas Menon</td>
<td>Explanatory models and psychiatric morbidity in patients with medically unexplained symptoms</td>
<td>2 years</td>
<td>None</td>
<td>Medicine</td>
<td>Ongoing</td>
</tr>
<tr>
<td>7</td>
<td>Dr Vikas Menon</td>
<td>Assessment of inflammatory markers in depression: A follow-up study</td>
<td>2 years</td>
<td>JIPMER Intramural Fund 1.5 Lakhs</td>
<td>Clinical Immunology</td>
<td>Ongoing</td>
</tr>
<tr>
<td>8</td>
<td>Dr Vikas Menon</td>
<td>Smoking and suicide: Can the association be explained by underlying neurocognitive impairments?</td>
<td>1 year</td>
<td>None</td>
<td>Weil-Cornell Medical College, Qatar</td>
<td>Ongoing</td>
</tr>
<tr>
<td>9</td>
<td>Dr Vikas Menon</td>
<td>“An Active-Control, Open label, Comparative, Randomized, 3-arm, Parallel group, Multicenter, Phase-III Clinical Study to evaluate the Efficacy and Safety of two doses of Lurasidone when compared with Quetiapine in newly diagnosed patients of Acute Schizophrenia.”</td>
<td>1 year</td>
<td>MSN Labs, Hyderabad (Sponsored clinical trial)</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>10</td>
<td>Dr Vikas Menon</td>
<td>One session counseling for people with medically unexplained symptoms: a randomized control trial.</td>
<td>1 year</td>
<td>None</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>11</td>
<td>Dr Vikas Menon</td>
<td>Barriers to health care seeking among medical students: A cross-sectional study</td>
<td>6 months</td>
<td>None</td>
<td>Dept. of Urology, JIPMER</td>
<td>Completed</td>
</tr>
<tr>
<td>12</td>
<td>Dr Balaji Baradwaj</td>
<td>Regional brain perfusion pattern and its association with neuropsychological and clinical symptoms in patients with psychotic disorders</td>
<td>3 years</td>
<td>Intramural Fund</td>
<td>Department of Nuclear Medicine</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
Knowledge, attitudes and practices regarding pregnancy and contraception amongst women of childbearing age with severe mental illness

| 13 | Dr Balaji Baradwaj | Knowledge, attitudes and practices regarding pregnancy and contraception amongst women of childbearing age with severe mental illness | 3 years | Intramural Fund | N | Ongoing |

**Publications:**

**Journals**


Abstracts Published

Dr Vikas Menon


6. “Do personality traits such as impulsivity and hostility-aggressiveness predict severity of intent in attempted suicide? - 5th Asia-Pacific Regional Conference on Psychosocial Rehabilitation in February 2015.

Patient Care Services

Clinical services

- The Department provides mental health care of the highest standard using a multi-disciplinary approach, based on the bio-psycho-social model. Patients are managed by a team which includes psychiatrists, psychologists, social workers, psychiatric nurses, and an occupational therapist.

- In-patient services are provided for acutely ill and disturbed patients, and those with complex problems. The total bed strength is 27 beds in the general, of which 6 are specifically allotted to patients with drug and alcohol dependence.

- Out-patient services run on all working days (Monday to Saturday) and include screening, detailed evaluation, follow-up and referral services. Follow-up clinics are segregated according to diagnosis, with separate days for patients with mood disorders, psychotic disorders, and neuropsychiatric disorders. Separate out-patient clinics for children are run in the Department of Pediatrics in collaboration with them.

- JIPMER is a Regional Centre for De-Addiction under Ministry of Health and Family Welfare, Government of India. A once-weekly de-addiction clinic caters to the needs of patients with alcoholism and drug addiction, and includes a Tobacco Cessation Clinic, as well as group therapy for alcoholics and their families.

- Suicide is a major public health problem in Puducherry. To address this, the Department runs
a Crisis Intervention Clinic every Thursday, which includes diagnostic, counseling and referral services.

- The Psychosomatic Clinic caters to patients with medically unexplained physical symptoms and provides multi-disciplinary care with inputs of a psychiatrist, psychologist and medical social worker. It aims to enhance the standard of care provided to patients with psychosomatic disorders.

- The clinic has also extended its services to address the needs of patients undergoing organ transplant and Bariatric surgery using structured assessment.

- The perinatal clinic has been planned to cater to the needs of women with mental health issues during prenatal and perinatal period.

The following is the full list of special clinics run by the Department of Psychiatry:

<table>
<thead>
<tr>
<th>Day of the week</th>
<th>Special Clinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Marital and Psychosexual Clinic</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Affective Disorders Clinic</td>
</tr>
<tr>
<td>Wednesday</td>
<td>Memory Clinic</td>
</tr>
<tr>
<td></td>
<td>Child Psychiatry Forum (Afternoon)</td>
</tr>
<tr>
<td>Thursday</td>
<td>Crisis Intervention Clinic</td>
</tr>
<tr>
<td></td>
<td>Psychosomatic Clinic</td>
</tr>
<tr>
<td></td>
<td>Child Guidance Clinic (Afternoon)</td>
</tr>
<tr>
<td>Friday</td>
<td>Psychotic Disorders Clinic</td>
</tr>
<tr>
<td>Saturday</td>
<td>Neuropsychiatry Clinic</td>
</tr>
<tr>
<td></td>
<td>De-Addiction Clinic (including Tobacco Cessation Clinic)</td>
</tr>
</tbody>
</table>

Patient attendance statistics for the period 1-4-2014 to 31-3-2015 are as follows:

<table>
<thead>
<tr>
<th>Facility</th>
<th>Total attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>New cases</td>
</tr>
<tr>
<td>General Psychiatry</td>
<td>5229</td>
</tr>
<tr>
<td>Affective Disorders Clinic</td>
<td>-</td>
</tr>
<tr>
<td>Crisis Intervention/ Psychosomatic Clinic</td>
<td>180/62</td>
</tr>
<tr>
<td>De-Addiction Clinic</td>
<td>851</td>
</tr>
<tr>
<td>Psychotic Disorders Clinic</td>
<td>-</td>
</tr>
<tr>
<td>Neuropsychiatric Disorders Clinic</td>
<td>97</td>
</tr>
<tr>
<td>Marital and Psychosexual Clinic</td>
<td>29</td>
</tr>
<tr>
<td>In-patient admissions</td>
<td></td>
</tr>
</tbody>
</table>
Equipment available for diagnosis, patient care and research in the Department includes:

1. Brief Pulse Electro-Convulsive Therapy (ECT) machine, used for the administration of modified ECT, given under general anaesthesia. ECT is given twice a week (Mondays and Thursdays) to both in- and out-patients who require it.
2. Transcranial Magnetic Stimulation (TMS) apparatus, for therapeutic and research purposes.
3. EMG Biofeedback apparatus, as part of relaxation therapy administered by the Clinical Psychologist
4. 64-channel Electro-Encephalography (EEG) apparatus, including facilities for Video EEG and Event-Related Potentials

**Laboratory services**

1. The laboratory in the Department of Psychiatry carries out the following investigations:
2. Erythrocyte Sedimentation Rate (ESR)
3. Urine routine (albumin / sugar)
4. Stool examination
5. Serum electrolytes
6. Serum lithium estimation, for patients with bipolar disorders.

**Awards, Honours and Other Personal Achievements**

**Dr Ravi Philip Rajkumar**

Membership:

1. Life Member, Indian Psychiatric Society
2. Life Associate Member, Pondicherry Association of Neuroscientists

**Dr Shivanand Kattimani**

Our candidate’s paper based on dissertation ‘Effect of chronic alcohol and tobacco use on Retinal Nerve Fiber Layer Thickness: a case control study’ won JSS(JIPMER scientific society) prizes for the year 2014-15, under the category papers based on research in clinical / basic sciences.

Membership:

1. Life Member Indian Association for Child and Adolescent Medicine
2. Life fellow of Indian Psychiatric Society (IPS)
3. Executive Committee Member of Tamilnadu State Branch of Indian Psychiatric Society (from July 2013)
4. Member, Committee for Brain Death Certification for Organ Transplantation, JIPMER

**Dr Vikas Menon**

1. The manuscript titled “Transient, asymptomatic, fluctuating bradycardia with oral ziprasidone in an older woman” has received additional recognition by featuring in Psychology Progress, an online repository that publishes breakthrough articles representing the cream of research in Psychology in 2014.
2. Prof V. Balan award for best paper by a post graduate student during TANPSYCON 2014 for the paper titled “Gender differences in depression: a descriptive clinical study”.
3. Invited and Served as Article Editor for SAGE Open Journals.

Dr Balaji Bharadwaj
1. Life Member of Indian Psychiatric Society

Administrative, Patient Care, Educational, Research and other Assignments

Dr Ravi Philip Rajkumar
1. Member, Institute Committee on Advanced Research in Genetics, JIPMER
2. Member, JIPMER Quality Council
3. Member, JIPMER Student Counselling Committee
4. Member, JIPMER Pharmacovigilance Committee
5. Central Assistant Public Information Officer, Department of Psychiatry, JIPMER under the RTI Act.
6. Guest Faculty and Examiner in Neuropsychology, Department of Applied Psychology, Pondicherry University
7. External Subject Expert (Psychiatry), AIIMS, Patna
8. As MD guide: “A study of depression in SLE and its relationship to neuropsychological status and antibody profile”
9. As MD co-guide: “A study of pro- and anti-inflammatory markers in depression”
10. As PhD co-guide: “Pharmacogenomics of Risperidone in South Indian schizophrenia patients

Dr Shivanand Kattimani
1. Guide for thesis: MD(Psychiatry)-1
2. Co-guide for thesis: MD(Psychiatry)-2, MD (PSM)-1, MS(Ophthalmology)-1
   MSc Nursing dissertations-2, MPH- 1, Ph.D (Biochemistry)-1

Dr Vikas Menon

New Patient Care Services

Started a Metabolic Surgery Assessment Clinic with separate intake assessment proforma for pre-operative assessment of patients planned for bariatric surgery in collaboration with Dept. of Surgical Gastroenterology, JIPMER.

Administrative, Corporate and other assignments

1. Member of the souvenir committee for the JIPMER@50 golden jubilee celebrations.
2. Served as Additional Project Co-ordinator to assist and fast track existing Phase III and Phase IV expansion works of JIPMER.
3. Member of the contingency committee set up by JIPMER to deal with any disasters in Puducherry Airport.
Association as Guides/Co-guides in MD/M.Sc/Student projects

1. Guide for thesis: MD(Psychiatry)-1
2. Co-guide for thesis: MD(Paediatrics)-1, MD (PSM)-1, MD(RT)-1, MD Anatomy -1
   MSc Nursing dissertations-1, ICMR-STS -1

Dr Balaji Bharadwaj

Meetings:

Attended a meeting on “Drug Demand Reduction Activities” held on 12th March, 2015 at Ministry of Health & Family Welfare, Nirman Bhavan, New Delhi

Examination duties:

Institute Representative for conduct of JIPMER MBBS Entrance Examination on 8th June, 2014

Membership in Official Committees:

Accommodation Committee of JIPMER Golden Jubilee Celebrations

Guiding of theses: 1 MD, 1 MPH

Dr Preeti Kandasamy


Significant Events in the Department

- Dr Preeti Kandasamy had joined as Assistant Professor of Psychiatry - November, 2014.
- Ms Greeshma had joined as Psychiatric Social worker cum Tutor on 10th November, 2014.
- The intake of post-graduates had been increased to 3 per year.
DEPARTMENT OF PULMONARY MEDICINE

Faculty List:

Professor & Head of the Department : S. Vinod Kumar

Assistant Professors : R. Manju
                     : Dharm Prakash Dwivedi
                     : G. Vishnukanth
                     : Madhusmita Mohanty Mohapatra

Background information of the Department:

The department started MD Post Graduate in pulmonary medicine degree since 1994 with intake of one candidate, since 2011 it has been raised to two candidates per year. In 2014 it has been raised four candidates per year. Daily OPD service from Monday to Saturday. Respiratory allergy and Immunotherapy clinic every Friday afternoon.

The following facilities available in our Department :-

1. Diagnostic and therapeutic thoracocentesis.
2. Pleural biopsy and Lung FNAC/Biopsy.
3. Non-invasive ventilators
4. Invasive ventilator.
5. Sleep Lab.
7. Bronchoscopy and thoracoscopy services.
   - Fiber optic bronchoscope.
   - Video Bronchoscope (TBNA, TBLB).
   - Thoracoscopy using semi-rigid thoracoscope.
8. Pulmonary function Laboratory.
   - Portable Spirometre.
   - State of the art Spirometry and DLCo machine.
9. Pulmonary rehabilitation program.
10. Designated Microscopic Centre (DMC) under Revised National Tuberculosis Control Programme (RNTCP) was started in our Department since 2009.

The faculty in our Department are highly motivated and involving in teaching Under-graduate, Postgraduate, B.Sc. Nursing, and guiding research activities.
Educational Courses:
M.B.B.S., (Theory as well as clinics for Batch VI and VII Semester)
M.D. (Pulmonary Medicine),
Emergency Medical Technician Training Course (Theory)
Medical Record Officers (M.R.O)

Conference and CMEs organized by the Department:
We have conducted a quiz competition for 6th and 7th semester MBBS student on occasion of World Tuberculosis day on 28.03.2015.

Conferences and CMEs attended by Faculty:

Dr. S. Vinod Kumar, Prof & Head:
- Attended as an External Examiner for conducting M.D. Practical at PIMS, Puducherry on 04.04.2014.
- Attended as an investigator in Indo-US VAP: Regional prospective observational research in TB (REPORT – INDIA) initiative, 2nd leadership meeting, Academic Centre, JIPMER. From 07.05.2014 to 09.05.2014.
- Attended RePORT India grantsmanship Seminar, Academic Centre, JIPMER on 10.05.2014
- Attended meeting on 12.08.2014 for discussion for clinical trial entitled “Multi Centric double blind randomized controlled clinical study of Ayurvedic coded drug AYUSH-A in the management of mild to moderate persistant bronchial Asthma” at Central Council for research in Ayurvedic Sciences, New Delhi.
- Attended as a delegate in “Good Clinical Research Practice” workshop held on 22.08.2014 & 23.08.2014 organised by Department of Pharmacology, JIPMER. He Chaired a session on 1) Audits, inspection and monitoring, 2) Clinical trial Reporting, DSMB and PSUR.
- Attended as a member in the Subject Expert Committee (Pulmonary) meeting under Central Drugs Standard Control Organization (CDSCO), Ministry of Health &FW at New Delhi on 29.01.2015.
- Attended as a member in the Subject Expert Committee (Pulmonary) meeting under Central Drugs Standard Control Organization (CDSCO), Ministry of Health &FW at New Delhi on 31.03.2015.

Dr. R. Manju, Asst. Prof:
- Participated and moderated the case presentation on lung hypolasia in Pondicherry Chest Society on 8th June 2014.
- Participated in 2nd Orientation workshop on Epidemiology organized by Dean research & Department of Community Medicine, JIPMER on 27th June 2014

- Attended the workshop on workplace Based Assessment on 19th July 2014 organized by Medical Education Department, JIPMER.

- Attended the orientation workshop on Animal and Lab Experimentation organized by Division of Research and Dept. of Physiology, JIPMER on 31st July 2014.

- Attended the ATLS student course on 24th & 26th July 2014.

- Participated in Good Clinical Research Practice workshop organized by Department of Clinical Pharmacology, JIPMER on 22nd & 23rd August 2014.

- Attended the workshop on Research Grant Proposal writing organized by Division of Research, JIPMER & Department of Paediatrics, JIPMER.

- Participated in Basic Epidemiology Workshop organized by Department of Community Medicine, JIPMER from 10th to 15th November 2014.

- Participated as a Chairperson on API-DIAS (Dissemination of updated information through API speakers) (2014-15) CME on Hotel Accord, Pondicherry. Topic “Tackling dry cough of varied etiology”.

- Organized quiz competition for VI, VII semester on the occasion of World TB day on 28th March, 2015.

- Attended orientation program for faculty on submission of research proposals to IEC (Human Studies) on 1st January 2015.

- Attended and shared session on Pre-operative evaluation and diagnosis of non small cell lung carcinoma conducted by the Department of Surgical Oncology on 9th March 2015.


**Dr. Dharm Prakash Dwivedi, Assistant Professor:**

- Attended the RePORT India Grantsmanship Seminar, INDO-US: RePORT initiative 2nd Joint Leadership Meeting Puducherry, on 10th May 2014.

- Participated as delegate in Orientation Workshop On Epidemiology organized by division of Research & department of PSM, JIPMER, on 29th & 30th May 2014.

- Participated as delegate in Orientation workshop on Animal and Lab Experimentation, organized by Division of research and department of Physiology, JIPMER on 30th June 2014.

- Participated as delegate in Orientation workshop on Clinical Reasearch Methodology, organized by Division of research and Department of Anestheiology & critical Care, JIPMER, on 27th July 2014.

- Participated as delegate in the first “Workshop on Research Grant Proposal writing” conducted by Dean (Research) in collaboration with Department of Pediatrics on 10th and 11th October 2014.

- Participated as delegate in the RNTCP Zonal Task Force (South Zone-II) workshop 2014 held on 15th &16th October 2014 at Radisson Blu- Temple bay resort, Mahabalipuram.
- Participated as delegate in the workshop on BOOK Writing & Meet the publishers organized by JIPMER Scientific society and division of Research JIPMER on 7th November 2014.

- Participated as National Faculty and Chaired a session in National conference of National College chest physician (NCCP) & The Indian Chest Society (ICS), NAPCON 2014 held at Agra on 20th - 23rd November 2014.

**Dr. Vishnukanth G., Assistant Professor**

- Successfully completed ACLS and BLS Workshop conducted by Department of Emergency Medicine, JIPMER under the auspices of American Heart Association in Feb.11-15, 2015.

**Dr. Madhusmita Mohanti Mohapatra, Assistant Professor**

- Attended and shared session on Pre-operative evaluation and diagnosis of non small cell lung carcinoma conducted by the Department of Surgical Oncology on 9th March 2015.

- Attended orientation program for faculty on submission of research proposals to IEC (Human Studies) on 1st January 2015.

### Research Projects:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From.. to..)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. R. Manju</td>
<td>Comparison of clinical radiological, laboratory manifestations and treatment outcome between younger and elderly patients with pulmonary tuberculosis.</td>
<td>2014-17 (3 years)</td>
<td>JIPMER, Intramural Funded Rs.3,00,000/-</td>
<td>Biochemistry, JIPMER</td>
<td>ongoing</td>
</tr>
</tbody>
</table>

### Publications:

#### Journals


- Vishnukanth Govindaraj, Vinod Kumar Saka, Tanmaya Talukdar, Tarun Kumar Dutta. A Study of Clinical, Radiological, Pulmonary Functions in Patients of Chronic Obstructive Pulmonary


**Patient care services:**

**OPD**

New Cases: 5,897
Old Cases: 26,184
Total: 32,081

**Total Cases referred to DOT Centre**

Pulmonary Tuberculosis: 398
Extra Pulmonary: 656
Total: 1,054

**Special Clinic**

**Respiratory Allergy and Immunotherapy Clinic (Friday 2 to 4.30 p.m.)**

New cases: 1,066
Old Cases: 12,098
Total: 13,164

**HIV / AIDS**

New cases: 50
Old cases: 5
Total: 55
Bronchoscopy: 197
Endobronchial biopsy: 73
Bronchial washing: 258
Endobronchial brushing: 58
TBNA (Trans Bronchial Needle Aspiration): 15
Bronchial Alveolar Lavage: 8
Thoracoscopy (Medical): 10
Respiratory Physiotherapy: 2,944
Polysomnography: 25
Mantoux: 3,727

B. Laboratory
Pulmonary Function Test: 759

Spirometry Procedure
  a) Pre bronchodilator: 750
  b) Post bronchodilator: 321

Diffusion Capacity Estimation: 82

Awards, Honours and other personal achievements:

- Dr. R. Manju, Assistant Professor participated Live programme in Suriyan FM on occasion of World Asthma Day on 5th May 2014.
- Dr. Vishnukanth G., Assistant Professor delivered a talk on smoking cessation on the occasion of World Lung Cancer Day in Indira Gandhi Medical College and Research Institute on 01.08.2014.

Administrative, Patient care, Educational, Research and other Assignments:

Dr. S. Vinod Kumar, Professor & HOD of Pulmonary Medicine

Memberships in official committees:

- JIPMER Library Committee
- JIPMER Selection Committee for appointment of Senior Residents
- RNTCP Core Committee, JIPMER.
- JIPMER Departmental Promotion Committee (DPC)
- Vidyalaya Management Committee, Kendriya Vidyalaya No.1, Puducherry – 6

Administrative memberships:

- Liaison Officer for SC/ST, JIPMER.

Memberships:

- DPC member of Dept. of Census Operations, Puducherry (Govt. of India)
Life member of Indian Chest Society
- Life member of Indian Association for Bronchology.
- Member of World Association of bronchoscopy and Interventional Pulmonology.
- PMDT member

MCI Inspectorships:
- MCI Inspector

Examinerships:
- M.D. P.G. Examiner
- DNB examiner.

Guideships:

Dr. R. Manju, Assistant Professor
- Champion of JIPMER Quality Council.
- Guide / Co-guide for the postgraduate research projects.
- Member of Indian Medical Association.
- Acted as Chief Supervisor for the M.D. (Pulmonary Medicine) – clinical & oral examination conducted for our P.G. Students in March 2015.
- Member of European Respiratory Society.
- Member of American College of Chest Physician.

Peer Reviewer for Journals:
- Reviewer for the International Journal of Clinical and Experimental Physiology.

Dr. Vishnukanth G., Assistant Professor
- Member of European Respiratory Society.
- Member of American College of Chest Physician.
- Member of Asia – Pacific Society of Respirology.

Dr. Madhusmita Mohanti Mohapatra, Assistant Professor
- Member of European Respiratory Society.
- Member of American College of Chest Physician.
- Life Member of Indian Society for Critical Care Medicine.
DEPARTMENT OF RADIO-DIAGNOSIS

Faculty List:

- Additional Professor and Head: K Nagarajan
- Professor: S Elangovan
- Associate professor: A Ramesh
- Assistant professors: S Deepak Barathi, A Subathra, Sunitha V C, G Ramkumar

Background Information of the Department

The department of Radio diagnosis offers quality diagnostic imaging services to all the out-patients and in-patients attending the main hospital, super specialty block, emergency medical services and regional cancer centre. There are two state-of-the-art 1.5 tesla MRI systems, three CT scanners (64-slice, 6-slice & 2-slice one each), two Digital Radiography (DR) units, two 1000 mA digital image intensifiers, 3D/4D Ultrasound with color Doppler & elastography ultrasonography, Computed Radiography (CR), conventional and mobile X-ray units in different locations within the hospital. Dr K Nagarajan joined the department as additional professor in November 2014 and was given charge of HOD from 1st Jan 2015.

The department offers postgraduate MD course with intake of three students till 2013 and 6 students from 2014-2015 (3 each in January & July sessions). MD, MS, MCh and DM residents of various departments undergo rotational postings in the department of Radio-diagnosis and are trained in the imaging aspects relevant to their specialities. Classes are taken for the undergraduate MBBS fourth semester students and students of allied paramedical courses on the basics of imaging. Allied health science course of B Sc Medical Technology Radio-Diagnosis will be starting this academic year (2015-16) with an intake of 4 students per year.

Educational courses

1. Undergraduate course: MBBS
2. Postgraduate Course: MD
3. Proposal for Post-doctoral fellowship courses submitted to Academic committee

Conferences and CME’s organised by the Department

1. Organized the 2nd Monthly meeting of the Tamilnadu and Pondicherry Chapter of Indian Radiological & Imaging Association on 27TH April 20, 2014, at SSB Conference Hall, JIPMER.
2. Organised a CME on Elastography on 7th September 2014 at SSB Conference Hall, JIPMER.

3. Organized a continuing radiology education programme for radiographers GOLDEN RAYS 2014 on 9th September 2014 at SSB conference hall, JIPMER.

4. Hosted the CME on Image Guided Nonvascular Interventions and First monthly meeting of Pondicherry Region Subchapter of Tamilnadu and Pondicherry Chapter of Indian Radiological & Imaging Association on 8th February 2015 at SSB Conference hall, JIPMER

**Conferences and CME’s Attended By Faculty**

**Dr K Nagarajan**

1. Invited talk – ‘Dopaminergic and functional neuroimaging in movement disorders’ at the Annual Courses in Neurosciences by Institute of Neurology, Madras Medical College 6th Dec 2014

2. Conducted ‘Aunt Minnie’ (Quiz) Session – for DM/MCh residents at the Annual Conference of Clinical Neurology by Institute of Neurology, Madras Medical College 6th Mar 2015

3. Invited talk – ‘Neuroimaging of Head Injury’ at the Head Injury Awareness Day CME, JIPMER 22nd March 2015

**Dr S Elangovan**

1. Coordinator for the 2nd Monthly meeting of the Tamilnadu and Pondicherry Chapter of Indian Radiological & Imaging Association on 27TH April 20, 2014, at SSB Conference Hall, JIPMER.

2. Organizing secretary for the CME on Elastography on 7th September 2014 at SSB Conference Hall, JIPMER.

3. Organizing secretary for the CME on Image Guided Nonvascular Interventions and First monthly meeting of Pondicherry Subchapter of Tamilnadu and Pondicherry Chapter of Indian Radiological & Imaging Association on 8th Feb 2015 at SSB Conference hall, JIPMER.

4. Attended the 67th State Annual Conference of Tamilnadu and Pondicherry chapter of IRIA held on 20 and 21 December at Chennai, organised by the Department of Radio diagnosis, Stanley Medical College, Chennai.

5. Attended the Radiological Education Foundation Head and Neck Imaging Course at Worli, Mumbai on 21and 22nd march 2015.

6. Chaired a session on “multidisciplinary update” at the 67th State Annual Conference of Tamilnadu and Pondicherry chapter of IRIA held on 20 and 21 December at Chennai.

**Dr A Ramesh**

1. Attended the 67th State Annual Conference of Tamilnadu and Pondicherry chapter of IRIA held on 20 and 21 December at Chennai, organized by the Department of Radio diagnosis, Stanley medical college, Chennai.

2. Attended the CME on Elastography Organized by the Department of Radio-diagnosis, JIPMER on 7th September 2014 at SSB Conference Hall, JIPMER.

3. Delivered a lecture on the Role of High Frequency Ultrasound in the management of Leprosy in the Dermazone South 2014 Conference at JIPMER, organized by the Department of Dermatology, 19 to 21st Sept 2014.
4. Resource person for the Fetal Echocardiography workshop organized by the Departments of Cardiology and Obstetrics & Gynaecology on 29th June 2014 at SSB, JIPMER.

5. Attended the CME on Image Guided Nonvascular Interventions hosted by the Department of Radio diagnosis, JIPMER and conducted by Indian Academy of CT Guided Interventions, on 8th February 2015 at SSB Conference hall, JIPMER.

6. Delivered a guest lecture on Radiological Approach to Bone Tumors in the Department of Medical Oncology JIPMER, on 16th March 2015.

**Dr Subathra**

1. Orientation workshop on Epidemiology, 29th and 30th May 2014, JIPMER
2. Fetal echocardiography workshop, 29th June 2014, JIPMER
3. Orientation workshop on Animal and lab experimentation, 30th June 2014, JIPMER
4. Orientation workshop on clinical research methodology, 27th July 2014, JIPMER
5. Workshop on research grant proposal writing, 24th and 25th October 2014, JIPMER
6. CME on Image-guided Interventions hosted by the Department of Radio diagnosis, JIPMER and conducted by Indian Academy of CT Guided Interventions, on 8th Feb 2015 at SSB Conference hall, JIPMER
7. 72nd National Course on Educational Science for Teachers of Health Professionals, 16th – 21st Feb 2015, JIPMER

**Dr Sunitha VC**

1. Orientation workshop on Epidemiology, 26th and 27th June 2014, JIPMER
2. Foetal echocardiography workshop, 29th June 2014, JIPMER
3. Orientation workshop on Animal and lab experimentation, 31st July, JIPMER
4. Workshop on research grant proposal writing, 24th and 25th October 2014, JIPMER
5. 22nd Annual conference of Indian Academy of Neurology, 6th to 9th November 2014, PGI Chandigarh
6. Attended and chaired a session on foetal imaging in 68th annual conference of Indian Radiological and Imaging Association at Kochi, Jan 29th to Feb 1st
7. CME on Image-guided Interventions hosted by the Department of Radio diagnosis, JIPMER and conducted by Indian Academy of CT Guided Interventions, on 8th Feb 2015 at SSB Conference hall, JIPMER

**Dr G Ramkumar**

1. Orientation workshop on Epidemiology, 29th and 30th May 2014, JIPMER
2. Orientation workshop on Animal and lab experimentation, 30th June 2014, JIPMER
3. Workshop on research grant proposal writing, 24th and 25th October 2014, JIPMER
4. CME on Ultrasound Elastography, 7th September 2014, JIPMER
5. 68th Annual conference of Indian Radiological and Imaging Association, 29th Jan to 1st Feb 2015, Kochi.
Research Projects:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. A. Ramesh</td>
<td>The Pattern Of Anatomical Variations in Portal Vein Ramification based on Triple Phase Contrast Enhanced CT with 3D reconstruction.</td>
<td>2012-14</td>
<td>Nil</td>
<td>Surgical Gastro-Enterology</td>
<td>Ongoing</td>
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<tr>
<td>2</td>
<td>Dr. A. Ramesh</td>
<td>Co-investigator in the extramural funded project titled “Evaluation of High Frequency ultrasound and Bio-markers for the diagnosis and management of type 1 Lepra reaction”</td>
<td>2012-15</td>
<td>ICMR task force in Leprosy</td>
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<td></td>
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<tr>
<td>3</td>
<td>Dr S Deepak Barathi (Co-investigator)</td>
<td>Extent of resection of Pituitary macroadenomas by Endoscopic Endonasal Trans-Sphenoidal surgery and factors influencing it</td>
<td></td>
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<tr>
<td>4</td>
<td>Dr K Nagarajan (Co-investigator)</td>
<td>Assessing the viability of naso-septal flap used in endoscopic skull-base surgeries by Magnetic Resonance Imaging</td>
<td></td>
<td></td>
<td>Proposal submitted for JSAC</td>
<td></td>
</tr>
</tbody>
</table>

Publications (Journals)


**Patient Care Services:**

We provide diagnostic services like Radiography, special radiological investigations, Ultrasound, Colour Doppler, CT, MRI, Mammography and Imaging guided diagnostic and therapeutic procedures to the out patients and inpatients of all Departments of JIPMER including patients from EMS, Regional Cancer Centre, and super speciality block. General X-rays, ultrasound and CT scan services are provided to the patients round the clock.

<table>
<thead>
<tr>
<th>Statistics for the period from April 2013 to March 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>X- Rays</strong></td>
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<tr>
<td>1. Routine</td>
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<td>2. Emergency</td>
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<td>3. M.L.C.</td>
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<tr>
<td><strong>Special radiological Investigation</strong></td>
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<tr>
<td>1. IVP</td>
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<tr>
<td>2. Barium and oral contrast studies</td>
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<tr>
<td>3. MCU,RGU</td>
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<td>4. HSG</td>
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<td>5. Loopogram, Fistulogram</td>
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<tr>
<td>6. Miscellaneous (Cystogram, Cavitogram, percutaneous Nephrogram, Cholangiogram, DCG)</td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>Mammography</strong></td>
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<tr>
<td>CT</td>
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<td>Routine</td>
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<td>Emergency</td>
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<tr>
<td>MRI</td>
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<td></td>
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</tbody>
</table>

**Awards, Honours and Other Personal Achievements:**

Nil

**Administrative, Patient Care, Educational, Research and other Assignments:**

**Dr K Nagarajan**

2. Internal Examiner & Chairman for MD (Radio-Diagnosis) Exam JIPMER Mar 2015

**Dr S Elangovan**

1. President of the Pondicherry Region Sub Chapter of Tamilnadu and Pondicherry Chapter of Indian Radiological & Imaging Association for the year 2015.
2. Chairman of the JIPMER Crowd management committee
3. Co-guide for various inter-departmental MD/MS/MCh projects
5. Selection committee member for selection of faculty members for the Department of Radio diagnosis for AIIMS-like Institutes.

**Dr A Ramesh**

1. Guide for the five postgraduate research projects
2. Guide for the Undergraduate research project titled “Variations of hepatic arterial anatomy studied with 3D CT Angiography using volume rendering technique in south Indian population”.
4. Co-guide for 3 postgraduate research projects
5. Secretary and treasurer for the Pondicherry Region Subchapter of Tamilnadu & Pondicherry Chapter of Indian Radiological & Imaging Association for the year 2015.
6. Organising secretary for the CME on Elastography Organized by the Department of Radio diagnosis, JIPMER on 7th September 2014 at SSB Conference Hall, JIPMER.
7. Member of the renal transplantation committee of JIPMER.
8. Member of the Radiation Safety and Monitoring Committee.

**Dr S Deepak Barathi**

I. Guide for Following Dissertations in Department of Radio-diagnosis
   1. Ophthalmic Artery Doppler Profile and its Correlation with Severity in Pre-eclampsia
   2. Predictive Power of Renal Doppler Resistive Index for Hemorrhagic Shock in Hemodynamically Stable Acute Trauma Patients.
   3. Predictive Power of Superior Hemorrhoidal Vein Diameter from Preoperative CT for Lymphovascular Invasion in Rectal Carcinoma

II. Co-guide for the following dissertations
   1. Role of laparoscopic gastric ischemic conditioning prior to esophagectomy and gastric pull through in patients of esophageal cancer: A prospective observational study (Dept. of Surgical Gastroenterology)
   2. Doppler Resistive Index to Reflect Risk of Acute Kidney Injury after Major Abdominal Surgery (Dept of Anaesthesiology)

**Dr A Subathra**

I. Thesis guidance
   1. Role of Acoustic Radiation Force Impulse Imaging in Differentiation of Benign and Malignant Thyroid Nodules – Dr. Sabarish S S
   2. Role of Diffusion Tensor MRI in Motor Neuron Disease – Dr. Amutha Bharathi M

II. Thesis co-guide
   1. Functional Outcomes and its Association with Radiological Parameter in Patients with Distal Radius Fracture – Dr. Abhishek Nandi (orthopaedics)

**Dr C V Sunitha**

**Co-guide for PG thesis**

1. Clinical profile and outcome of congenital hydronephrosis during first year of life
2. Carotid intima media thickness, hsCRP, IL-6 and their correlation with immunosuppression
4. Clinico radiological profile of patients presenting with new onset seizures in pregnancy – Prospective observational study
5. Effect of Hypo-fractionated Palliative Radiotherapy on Quality of Life in Late Stage Oral Cavity Cancer : An interventional Study

**Dr G Ramkumar**

**Co-guide for PG thesis**

1. Dosimetric comparison of volumetric modulated arc therapy (VMAT) and intensity modulated radiotherapy (IMRT) in simultaneous integrated boost (SIB) for high grade gliomas: A simulational study.
2. Comparison of four scoring systems in predicting severity of acute pancreatitis.

3. Assessment of effectiveness of cricoid pressure in preventing gastric insufflation during bag and mask ventilation – A Randomized Controlled Trial.

4. Impact of ureteral and renal morphometry on outcome of ureterorenoscopic lithotripsy.

**Significant Events**

1. Picture archiving and communication system PACS was made fully functional in all areas of the Hospital by June 2014 after updating to user-friendly viewing software. PACS will enable easy prompt and viewing of all X-rays, CT, MRI studies by the clinicians in their OPD’s wards and other treatment areas. 3D/4D Ultrasonography with elastography and fusion imaging capabilities was installed in the Superspecialty Block in May 2014. Two Digital Radiography systems with dual digital detectors were installed in the Department main building (Sep 2014) and in the EMS (Jan 2015).

2. After Dr K Nagarajan joined as additional professor, vascular procedures (diagnostic angiography and interventions) were started in the cathlab. Till now the following no. of procedures have been done; Diagnostic angiography (DSA) – about 30, embolization (JNA & PPH) – 2, AVM liquid embolization (Vein of Galen & Pelvic AVF) – 2, Carotid Stenting – 1, Vertebral artery thrombolysis – 1, Petrosal vein sampling (Cushing’s) – 1.
DEPARTMENT OF RADIOThERAPY

Faculty List:

Senior Professor & Head: Vivekanandam.S
Additional Professor: Parthasarathy. V
Associate Professors: Gunaseelan. K
: Ashutosh Mukherji
: Shyama Sudha Prem
Assistant Professor: Jagadesan Pandjatcharam
Lecturers in Radiology (Medical Physics):
: N.Vijayaprabhu
: K.Saravanan
: Seenisamy.R
: Mourougan.S

Background Information

The Department of Radiotherapy has grown into a full-fledged cancer centre since it was accorded the status of Regional Cancer Centre (RCC) in 2002. Now RCC includes the three main pillars of oncology— namely Radiation Oncology, Medical and Surgical Oncology. Radiation Oncology offers services to around 3000 new cancer patients and around 40,000 patients on follow-up every year, a majority of them include those with cancers of the Uterine Cervix, Head & Neck and Breast. Advanced Radiation Treatment techniques namely Image-Guided External Radiation, Intensity Modulated Radiation and Image-guided Brachytherapy are offered using State-of-the-Art treatment machines. Availability of adequate experts in the field of radiation oncology and medical radiation physics and the massive patient inflow paved way for delivering high quality training to the residents of Radiation Oncology program and the students of Medical Physics and Radiotherapy Technology. Poster/oral presentations of the research work done by our residents and faculties are routinely presented in many regional/national conferences. Our department is also issuing a bi-annual journal, JIPMER Journal of Cancer. The aim of the department is to deliver the best possible care to patients with all the available resources, to impart high quality training as well as to contribute in making RCC JIPMER, a leader in Oncology in the world, while retaining good team spirit with other departments of Regional Cancer Centre and JIPMER.

Educational Courses

UG course
B.Sc Radiotherapy Technology

PG Course
MD Radiotherapy
M.Sc Medical Physics

Conferences and CMEs Organized by the Department:

- 19th Annual Conference of Tamil Nadu and Pondicherry chapter of AMPI (AMPITNPYCON2014) held in JIPMER, Puducherry on 20th and 21st December 2014
- Department of Radiotherapy, Medical Oncology and Preventive & Social Medicine Jointly organized “CME program on Palliative Medicine” on 30 January 2015 at SSB conference Hall, JIPMER.
- Seminar on Cancer Awareness conducted by Department of Radiotherapy- Dr. Shyama Sudha Prem and Dr. Jagadesan along with MSO, Mr. Sivakumar on the occasion of National Cancer Awareness on 7th Nov 2014 in one urban and one rural school of Puducherry- L’Ecole Internationale, Kalapet and Govt. High School, Sndaipudukuppam
- Programme on Cancer Awareness conducted in RCC on the occasion of World Cancer Day on 11th February 2015
- Organized “Palliative Care Awareness Program” on the occasion of world Palliative Care Day at Community Hall, Koodapakam, Puducherry, on October 11, 2014.
- Department of Radiotherapy and National Cancer Registry Program (NCRP), Jointly Organized workshop on “HBCR & POCSS training program” for ICMR staff on March 16 & 17, 2015 at Cancer Registry, RCC, JIPMER

Conferences and CMEs Attended by Faculty

Dr. Vivekanandam

- Organising Chairman of the 19th Annual conference of Tamil Nadu & Puducherry Chapter of AMPI, Puducherry (AMPITNPYCON2014), 20th & 21st December 2014
- Chaired a session at 6th Apollo Cancer Conclave & CI, at Apollo Hospital, Hyderabad, 7th February 2015.

Dr. Parthasarathy.V

- Attended the Young Radiation Oncologists of India conference (YROC) Jan 2015 at Bhubaneswar
- Attended the 19th Annual Conference of Tamil Nadu and Pondicherry chapter of AMPI (AMPITNPYCON2014)
- Delivered an oral lecture in All India Radio on occasion National Cancer Awareness Day 7th November 2014.
- Organized Cancer Awareness program in RCC on occasion of National Cancer Awareness Day 7th November 2014.
- Organized and delivered a lecture on cancer awareness in RCC on occasion of World Cancer Day – 11th February 2015.

Dr. Gunaseelan.K

- Attended Workshop on “Work based assessment for Medical students” conducted by NTTC, JIPMER on 19 July 2014 at JIPMER Academic center.
- Attended IBSC workshop on “recombinant DNA experiments” on 21 August 2014 at JIPMER Mini Auditorium.
Attended Workshop on” Animal and Lab experiments” on 31 July 2014 at NTTC hall, JAC, JIPMER.

Attended as invited faculty and delivered a lecture on “role of re-irradiation of head and neck cancer” in state annual conference of Association of Radiation Oncologist of India (AROI), organized by KMCH, Coimbatore on 4 October 2014.

Attended conference on “JIPMER Breast Oncoplastic Surgery (JOBS)” and panel expert on topic of “multimodality approach for early breast cancer” organized by department of General surgery JIPMER on 18 and 19 October 2014 at SSB conference hall, JIPMER.

Attended Workshop on ”Good Clinical Research practices” Organized by dept of clinical Pharmacology on 22 and 23 August 2014 at SSB conference hall, JIPMER.

Invited as Guest Speaker and delivered lecture on “cancer awareness” at program organized by Pondicherry Thinkers forum on 26 October 2014.

Attended and delivered an oral presentation on “HBCR – JIPMER, annual report” in the workshop on “Annual review meet of all cancer registries in INDIA” organized by WIA - Cancer Institute, Adyar Chennai on 20 and 21 december 2014.

Attended and moderated panel discussion in “CME program on Palliative Medicine” on 30 January 2015 at SSB conference hall, JIPMER.

Invited as Guest Speaker and delivered lecture on “functioning of palliative care program - community level” in the program organized by SEVALAYAM, registered Palliative care service, Tamil mandram, on 7 February 2015 at Puducherry.

Attended and presented Poster presentation on “Interim Analysis on Psychosocial Aspect For palliative cancer patients attending RCC” at International Association of Palliative care conference (IAPCON 2015) at Hyderabad, on 13 February 2015.

Attended and delivered a lecture “setting up cancer registry – an Institutional Experience” at ICON 2015 on 13 to 14 March 2015.

Attended conference on “evidence based medicine in cancer – focus on clinical guidance” organized by Tata memorial Hospital, Mumbai, 28 February to 1 March 2015.

Attended and moderated a session on “radiotherapy in head and neck cancer” at South Asian federation Oncology (SFO) & SAARC conference at New Delhi on 7 to 9 November 2014.

Attended and delivered a lecture “cancer –global scenario and overall management” in the CNE program for nursing oncology on 28 March 2015 at Puducherry Cancer Trust hospital and research Centre, Puducherry.

**Dr.Ashutosh Mukherji**

- Organising Secretary of “Workshop on Book Writing & Meet the publishers” held jointly by JIPMER Scientific Society & Division of Research JIPMER on 7th November 2014 at JIPMER, Puducherry.
- Invited panellist at 6th Apollo Cancer Conclave & CI, at Apollo Hospital, Hyderabad, 7th February 2015.
- Invited faculty speaker and panellist at 3rd Young Radiation Oncologists’ Conference (YROC), at Hemlata Hospital, Bhubaneshwar, 10th and 11th January 2015.
\begin{itemize}
  \item Session chairperson at the 19th Annual conference of Tamil Nadu & Puducherry Chapter of AMPI, Puducherry (AMPITNPYCON2014), 20th & 21st December 2014.
  \item Invited Session chairperson at the 29th Annual conference of Tamil Nadu & Puducherry Chapter of AROI, Coimbatore, 4th & 5th October 2014.
  \item Presentation on “Contouring and Plan evaluation in adjuvant stomach cancers” in Young Radiation Oncologists’ Conference (YROC) at Bhubaneshwar on 11th January 2015.
  \item Presentation on “Dose Escalation with Adjuvant Rapid Arc Radiotherapy and Concurrent Capecitabine in Locally Advanced Stomach Cancers” in Gutclub (meeting of association of gastrosurgeons and surgeons in Pondicherry) on 1st July 2014.
  \item Attended on Feb’15: CME on “Training in Palliative Medicine” in JIPMER on 5th February 2015.
  \item Attended on Aug’14: Workshop on “Good Clinical Research Practice” at JIPMER, Puducherry on 22nd & 23rd of August, 2014.
  \item Attended on Feb / Mar’15: Modern Radiation Oncology Forum at Evidence Based Medicine Conference organised by Tata Memorial Hospital, Mumbai, 27th Feb – 1st March 2015.
  \item Attended on Feb’15: 6th Apollo Cancer Conclave (CI), at Apollo Hospital, Hyderabad, 6th - 8th February 2015.
\end{itemize}
\textbf{Dr. Shyama Sudha Prem}
\begin{itemize}
  \item Short course on clinical trials and meta-analysis, March 2014, Christian Medical College, Vellore
  \item Short course on fundamentals of biostatistics principles of epidemiology and SPSS august 2014, Christian Medical College, Vellore
  \item Clinical trials, October 2014 in collaboration with University of North Carolina, Christian Medical College, Vellore
  \item Short course on Multiple linear regression, logistic regression and survival analysis November 2014.Christian Medical College, Vellore
  \item Chairperson for AMPITNPYCON 2014
  \item Faculty and panelist for MIDASICON ,MGMC,Pondicherry ,March2015
  \item Faculty for DM/MCh orientation programme, 2014
  \item Organised a cancer screening camp in collaboration with NGO on International women’s day March 2015
\end{itemize}
\textbf{Dr. Jagadesan.P}
\begin{itemize}
  \item Invited as Session Chairperson for 19th Annual conference of Tamil Nadu & Pondicherry chapter of AMPI (AMPITNPYCON2014), JIPMER, Puducherry on 20th and 21st December 2014.
  \item Invited as Speaker for ROME, a teaching program for final year MD RT residents of South India conducted in Cancer Institute, Adyar on 28th Mar 2015
\end{itemize}
Delivered lecture on Cancer Awareness in urban and rural schools of Puducherry on account of National Cancer Awareness Day (7th Nov 2015) and World Cancer Day (4th Feb 2015).

**Dr. N. Vijayaprabhu**

- Organized as Secretary, the 19th Annual Conference of Association of Medical Physicists of India, Tamilnadu and Puducherry Chapter 2014 (AMPI-TNPYCON2014) in JIPMER between December 20 and 21, 2014.
- Chaired a session in AMPITNPYCON2014
- Attended the Annual Conference of Association of Radiation Oncologists of India, Tamilnadu and Puducherry Chapter, 2014 (AROI TN-PY 2014) at Coimbatore, between October 3 and 5, 2014
- Obtained PhD degree in March 2014

**Dr. K. Saravanan**

- Organised as Joint Secretary, AMPITNPYCON 2014 (19th annual conference of Medical Physicists of Tamilnadu & Puducherry Chapter) at JIPMER on 20th Dec. 2014.
- Chaired a session in the AMPITNPYCON 2014
- Attended YROC 2015, conference for young radiation oncologists at Bhubaneswar on 10th – 11th January 2015.
- Attended Varian Advanced Imaging (IGRT/RPM) Clinical School Training at Maria Curie Memorial Cancer Center and Institute of Oncology, Gliwice, Poland from 8-11 Apr. 2015.

**Seenisamy. R**

- 19th State Annual Conference of Association of Medical Physicist of India Tamilnadu and Puducherry Chapter (AMPITNPYCON 2014) organised by Department of Radiotherapy, RCC, JIPMER Pondicherry on 20th Dec – 19th Dec 2014.

**Mourogan.S**

- Attended 29th State Annual Conference of Association of Radiation Oncologists of India Tamilnadu and Puducherry (AROITNPYCON-2014) at Kovai Medical Centre and Hospital, Coimbatore, 3rd - 5th Oct 2014.
- Attended and delivered lecture on Quality Assurance and Safety in Diagnostic Radiology, CREP, Organized by Department of Radio-diagnosis, JIPMER, 9th November 2014
## Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Ashutosh Mukherji</td>
<td>A comparison of dose delivered and critical organ sparing in treatment of Head and Neck Cancers using conventional Dynamic IMRT Vs Volumetric modulated arc technique</td>
<td>2011-14</td>
<td>Nil</td>
<td>Nil</td>
<td>Completed</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Ashutosh Mukherji</td>
<td>A comparison of conventional sequential boost IMRT with simultaneous integrated boost (SIB) technique on acute toxicities in treatment of Head and Neck Cancers</td>
<td>2011-15</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Ashutosh Mukherji</td>
<td>Assessing quality of life, acute toxicities and survival with use of capecitabine as induction and concurrent chemotherapy in patients of stomach cancers undergoing adjuvant chemo-radiation</td>
<td>2013-16</td>
<td>Nil</td>
<td>Medical Oncology</td>
<td>Ongoing</td>
</tr>
<tr>
<td></td>
<td>Researcher Name</td>
<td>Title</td>
<td>Start Year - End Year</td>
<td>Status</td>
<td>Oncology</td>
<td>Surgical Speciality</td>
</tr>
<tr>
<td>---</td>
<td>----------------------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------</td>
<td>--------</td>
<td>----------</td>
<td>---------------------</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Ashutosh Mukherji</td>
<td>Comparison of change in target volume and OAR coverage at end of 3rd and 4th week of treatment with adaptive planning in IMRT and VMAT in head and neck cancers</td>
<td>2015-17</td>
<td>Nil</td>
<td>Nil</td>
<td>Ongoing</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Ashutosh Mukherji</td>
<td>Dosimetric analysis and Clinical outcome in CT-Based Mould Brachytherapy in Early Oral Cancers</td>
<td>2011-14</td>
<td>Nil</td>
<td>Nil</td>
<td>Completed</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Ashutosh Mukherji</td>
<td>Effect of Cranio-Spinal Irradiation by VMAT Technique in Supine Position – Dosimetric and Clinical analysis</td>
<td>2011-14</td>
<td>Nil</td>
<td>Nil</td>
<td>Completed</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Gunaseelan K</td>
<td>Clinical outcome and the determinants of prognosis among the patients with breast cancer in a tertiary health care hospital in south India.</td>
<td>Sep 2012 to Sep 2015</td>
<td>NIL</td>
<td>Surgery &amp; Bio-Statistics</td>
<td>On-going</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Gunaseelan K</td>
<td>Effect of Intraluminal Brachytherapy boost in locally advanced carcinoma rectum undergoing preoperative concurrent chemo radiation-A randomized clinical trial.</td>
<td>Sep 2013 to Sep 2016</td>
<td>NIL</td>
<td>Surgery &amp; Pathology</td>
<td>On-going</td>
</tr>
</tbody>
</table>

10 | Dr. Gunaseelan K | Assessment of psychological distress and quality of life among cancer patients attending palliative care unit | Sep 2013 to Sep 2016 | NIL | Psychiatry, Anaesthesiology, Medical Oncology | On-going

**Publications**

**Journals**


- Parthasarathy Vedasoundaram, Aravind Kumar Prasanna, K S Reddy, Gangotri Selvarajan,
Mourougan Sinnathambi, Seenisamy Ramapandian and Saravanan Kandasamy. Role of high dose rate interstitial brachytherapy in early and locally advanced squamous cell carcinoma of buccal mucosa. SpringerPlus 2014


- Handfoot syndrome- Jipmer Journal of Cancer, January 2015


B. Books:

Published:


- Co-Author (Dr.Ashutosh Mukherji) in Book “Step by Step Radiotherapy Planning” by Dr. A.K.Rathi, 1st Edn, Jaypee Publishers.

Patient Care Services

<table>
<thead>
<tr>
<th>IN-PATIENT WARDS</th>
<th>New Admission</th>
<th>No. of in-patient Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male/ Female/ ICU/ Special Wards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Males</td>
<td>327</td>
<td>49 (0.05% of all new admissions)</td>
</tr>
<tr>
<td>Females</td>
<td>659</td>
<td></td>
</tr>
<tr>
<td>Children (≤12yrs)</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMAGING SERVICES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CT Simulation (for 3D Radiation Treatment Planning)</td>
<td>361 (~2/day)</td>
</tr>
<tr>
<td>2D Conventional X-ray Simulation</td>
<td>1647 (~7/day)</td>
</tr>
<tr>
<td>USG guided treatment procedures</td>
<td>413</td>
</tr>
</tbody>
</table>
Digital X-ray
Abd
Others
TOTAL
CXR 3777
77
94
3948 (~15/day)

A. RADIATION TREATMENT DETAILS

3.1 EXTERNAL BEAM RADIATION TREATMENT

<table>
<thead>
<tr>
<th>Method</th>
<th>No. of new Patients treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>2D Theratron 780C</td>
<td>686</td>
</tr>
<tr>
<td>2D Clinac 600C</td>
<td>961</td>
</tr>
<tr>
<td>3D CRT Clinac iX</td>
<td>137</td>
</tr>
<tr>
<td>IMRT Clinac iX</td>
<td>54</td>
</tr>
<tr>
<td>RapidArc Clinac iX</td>
<td>135</td>
</tr>
<tr>
<td>SRT/SBRT Clinac iX</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1973 (~8 new patients added to three treatment machines every day)</td>
</tr>
</tbody>
</table>

A.2 BRACHYTHERAPY
(Note: Every patient may have received more than one session)

<table>
<thead>
<tr>
<th>Method</th>
<th>No. of Brachy sessions treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>2D MicroSelectron</td>
<td>242</td>
</tr>
<tr>
<td>3D GammaMed iX</td>
<td>444 (193 patients treated)</td>
</tr>
</tbody>
</table>

B. OUTPATIENT SERVICES

1.1 RADIOTHERAPY OPD, RCC

New patients registered (OPD runs on every Mon/Wed/Fri) 2789 (~18 new patients/OPD)

4.2 DAY CARE SERVICES
(Note: Every patient may have received more than one session of treatment)

Chemotherapy sessions delivered 2748 (~11/day)
Molecular/ hormonal/ supportive medicines 568 (~3/day)

PALLIATIVE CARE UNIT

<table>
<thead>
<tr>
<th>SI NO.</th>
<th>DIAGNOSIS</th>
<th>MALE</th>
<th>FEMALE</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ca Head and Neck</td>
<td>587</td>
<td>340</td>
<td>927</td>
</tr>
<tr>
<td>2</td>
<td>Ca Lung</td>
<td>230</td>
<td>109</td>
<td>339</td>
</tr>
<tr>
<td>3</td>
<td>Ca Esophagus</td>
<td>47</td>
<td>41</td>
<td>88</td>
</tr>
<tr>
<td></td>
<td>Cancer Site</td>
<td>MALES</td>
<td>FEMALES</td>
<td>Total</td>
</tr>
<tr>
<td>---</td>
<td>----------------------</td>
<td>-------</td>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>4</td>
<td>Ca Stomach</td>
<td>105</td>
<td>65</td>
<td>170</td>
</tr>
<tr>
<td>5</td>
<td>Ca Colon and Rectum</td>
<td>77</td>
<td>34</td>
<td>111</td>
</tr>
<tr>
<td>6</td>
<td>Ca Anal Canal</td>
<td>3</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td>7</td>
<td>Ca Gall Bladder</td>
<td>4</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
<td>Ca Pancreas</td>
<td>33</td>
<td>24</td>
<td>57</td>
</tr>
<tr>
<td>9</td>
<td>Ca Bone</td>
<td>105</td>
<td>116</td>
<td>221</td>
</tr>
<tr>
<td>10</td>
<td>Ca Breast</td>
<td>-</td>
<td>349</td>
<td>349</td>
</tr>
<tr>
<td>11</td>
<td>Ca Prostate</td>
<td>58</td>
<td>-</td>
<td>58</td>
</tr>
<tr>
<td>12</td>
<td>Ca Penis</td>
<td>11</td>
<td>-</td>
<td>11</td>
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<tr>
<td>13</td>
<td>Ca Cervix</td>
<td>-</td>
<td>232</td>
<td>232</td>
</tr>
<tr>
<td>14</td>
<td>Ca Vagina</td>
<td>-</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>15</td>
<td>Ca Vulva</td>
<td>-</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>16</td>
<td>Ca Kidney</td>
<td>26</td>
<td>14</td>
<td>40</td>
</tr>
<tr>
<td>17</td>
<td>Ca Urinary Bladder</td>
<td>11</td>
<td>05</td>
<td>16</td>
</tr>
<tr>
<td>18</td>
<td>Ca Ovary</td>
<td>-</td>
<td>58</td>
<td>58</td>
</tr>
<tr>
<td>19</td>
<td>Non-Hodgkin’s Lymphoma</td>
<td>9</td>
<td>5</td>
<td>14</td>
</tr>
<tr>
<td>20</td>
<td>Leukemia</td>
<td>4</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>21</td>
<td>Unknown primary</td>
<td>17</td>
<td>6</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>1327</td>
<td>1454</td>
<td>2781</td>
</tr>
</tbody>
</table>

**HOSPITAL BASED CANCER REGISTRY**

<table>
<thead>
<tr>
<th></th>
<th>MALES</th>
<th>%</th>
<th>FEMALES</th>
<th>No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lip, Oral Cavity and Pharynx</td>
<td>146</td>
<td>29.7</td>
<td>Breast and female genital organs</td>
<td>187</td>
<td>34.8</td>
</tr>
<tr>
<td>Digestive system</td>
<td>135</td>
<td>27.5</td>
<td>Lip, Oral Cavity and Pharynx</td>
<td>83</td>
<td>15.5</td>
</tr>
<tr>
<td>Respiratory system and Mediastinum</td>
<td>60</td>
<td>12.2</td>
<td>Digestive system</td>
<td>70</td>
<td>13.0</td>
</tr>
<tr>
<td>Male genital organs</td>
<td>22</td>
<td>4.5</td>
<td>Respiratory system and Mediastinum</td>
<td>34</td>
<td>6.3</td>
</tr>
<tr>
<td>Bone and articular cartilage</td>
<td>16</td>
<td>3.3</td>
<td>Eye, brain and central nervous system</td>
<td>11</td>
<td>2.0</td>
</tr>
<tr>
<td>Eye, brain and central nervous system</td>
<td>13</td>
<td>2.6</td>
<td>Urinary organs</td>
<td>5</td>
<td>0.9</td>
</tr>
<tr>
<td>Breast</td>
<td>10</td>
<td>2.0</td>
<td>Endocrine glands and related structures</td>
<td>3</td>
<td>0.6</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>2.0</td>
<td></td>
<td>2</td>
<td>0.4</td>
</tr>
<tr>
<td>------------------------------</td>
<td>----</td>
<td>-----</td>
<td>------------------------------</td>
<td>---</td>
<td>-----</td>
</tr>
<tr>
<td>Urinary organs</td>
<td></td>
<td></td>
<td>Bone and articular cartilage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td>8</td>
<td>1.6</td>
<td>Skin</td>
<td>2</td>
<td>0.4</td>
</tr>
<tr>
<td>Endocrine glands and related</td>
<td>2</td>
<td>0.4</td>
<td>Connective and soft tissue</td>
<td>1</td>
<td>0.2</td>
</tr>
<tr>
<td>secondary structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connective and soft tissue</td>
<td>1</td>
<td>0.2</td>
<td>Male genital organs</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Secondary and ill-defined</td>
<td>68</td>
<td>13.8</td>
<td>Secondary and ill-defined</td>
<td>139</td>
<td>25.9</td>
</tr>
<tr>
<td>(Unknown primary)</td>
<td></td>
<td></td>
<td>(Unknown primary)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Awards, Honours and Other Personal Achievements**

**Dr. Parthasarathy, V**
- Member of JIPMER Security Monitoring Committee
- Member of JIPMER Housekeeping monitoring committee

**Dr. Gunaseelan. K**
- Nominated as executive member for the Association of Radiation Oncologists of India TNPY Chapter.
- Life member of Indian Medical Association
- Annual member of ESTRO (European Society for Radiotherapy and Oncology)
- Life member of Indian Brachytherapy Society
- Life member of Indian Association of Palliative Care
- Life member of Association of Medical Physicists of India
- Life member of AROI (Association Of Radiation Oncologists Of India)
- Life member of ICRO (Indian College Of Radiation Oncologists Of India)
- Principal clinical collaborator for B.Sc., (Medical Radiation Technology) course
- Principal collaborator for Palliative Care Initiative in JIPMER under JivDaya Foundation, Texas, USA. (MOU between JIPMER and JDF, Texas)
- Principal investigator for HBCR-POCSS under NCRP-ICMR in JIPMER. (MOU between JIPMER and ICMR, NCRP - NCDR)
- Principal collaborator for Palliative Care Initiative jointly with Tamilnadu Institute of palliative Medicine (MOU between JIPMER and TIPM, India)
- Member of Hospital Information System (HIS)
- Member of Task Force Group for Establishing Wi-Fi & website of JIPMER

**Dr. Ashutosh Mukherji**
- Life member of AROI (Association Of Radiation Oncologists Of India)

**Dr. Jagadesan Pandjatcharam**
- Member of International Gynecologic Cancer Society (IGCS No.-3093)
• Member of European Society of Medical Oncology (ESMO ID – 265098)
• Member of Indian Society of Oncology

Dr. Vijayaprabhu

• Obtained PhD degree in March 2014

Administrative, Patient Care, Educational, Research and Other Assignments

Dr. Vivekanandam

• Professor of Examinations in JIPMER

Dr. Parthasarathy. V

• Inspected the Kidwai Memorial Institute of Oncology, Bangalore & Mandiya Medical College, Mandiya for Strengthening as Tertiary Cancer Cate under NPCDCS program as appointed by Ministry of Health & Family Welfare, Government of India.

• Appointed as an Observer for the UG (MBBS) examinations of Pondicherry University Examinations held at Indira Gandhi Medical College and Research Institute, Kadhirkamam, Puducherry.

• Chairman of the Postgraduate MD (Radiotherapy) Examinations of JIPMER 2015 – March.

• PG thesis guide

• Role of Intracavitary and interstitial application in carcinoma cervix involving lower 1/3rd of Vagina.

• Study of toxicity profile and local control in cervical cancer patients treated with EBRT and Brachytherapy schedules.

• Conducted Medal Examination for the MBBS students of JIPMER in January 2015

• More than 50 brachytherapy procedures done

Dr. Gunaseelan. K

• Nominated as chairman for conducting exam for BSc radiation technologist university exam on July 2014.

• Nominated as Internal Expert for telecobalt machine specification wetting meeting held in RCC board Room, RCC, JIPMER on July 2014.

• Represented Department for meeting conducted by PONDICHERRY MINISTRY of health and welfare on “safe Radiation Disposal” on 11 July 2014 at Director’s Chamber, JIPMER.

• Nominated as Internal examiner for final MD Radiotherapy Exam on 23 March 2015.

• Organizing Team for conference on “JIPMER Breast Oncoplastic Surgery (JOBS)” and in charge of souvenir committee, banner committee and printing committee on 18 and 19 October 2014 at SSB conference hall, JIPMER.

• Organizing Team - stage and banner committee - during “the president of india – visit to JIPMER” for Golden jubilee celebration of JIPMER.

• Organizing Team - stage and banner committee – during “the directors conclave “ on 27 and 28 October 2014, JIPMER.
• Organized several home care visits and palliative awareness program in village nearby PUDUCHERRY for creating awareness for palliative care.

**Guide in MD/MS Theses**

• Localising breast boost target during radiation following breast conservation.
• Rapid arc Vs Brachytherapy boost in breast conservation for cancer breast.
• Dosimetric comparison of SIB BOOST VS SEQUENTIAL boost for high grade gliomas

**Co-Guide in MD/MS/Ph.D theses**

• Dosimetry and organ motion variation during radiotherapy (on – going)
• Pharmaco-genomic study on effect of cisplatin based chemotherapy regimens in cancer patients (on – going)
• “Metronomic Therapy in Head and Neck Carcinoma: Toxicity, Efficacy Study and Evaluation of Angiogenesis and Immunomodulation biomarkers”
• Sequential Evaluation of Dna Damage In Patients With Head And Neck Cancer Receiving Concurrent Chemo-Radiation And Its Correlation With Clinical Response
• Effect of Yoga on Pulmonary, Cardiovascular, Metabolic functions and stress score in Post-mastectomy patients undergoing Radiotherapy: A
• Randomized Control Trial- A randomised double -blind controlled study comparing the efficacy and safety of controlled release morphine with immediate release morphine for cancer pain in palliative care patients
• Effect of Samarium-153 EDTMP therapy on pain and analgesic requirement in patients with multiple painful skeletal metastases

**Dr. Ashutosh Mukherji**

• Organising Secretary of “Workshop on Book Writing & Meet the publishers” held jointly by JIPMER Scientific Society & Division of Research JIPMER on 7th November 2014 at JIPMER, Puducherry.
• Member of organising committee for the 19th Annual conference of Tamil Nadu and Pondicherry chapter of AMPI (AMPITNPYCON2014) held in JIPMER Puducherry on 20th and 21st December 2014. Also Convener of food and cultural committees; member scientific, stage and technical committees.
• Secretary of JIPMER Scientific Society for year 2014-15.
• MD/MS theses guide
• To compare dosimetrically IMRT, VMAT and Hybrid IMRT/VMAT plans for treatment of Nasopharyngeal Cancers.
• To assess restrictions in dietary habits of patients of Oral and Oropharyngeal Cancers undergoing Radical Radiotherapy.
• To assess dosimetrically and early cognitive changes in paediatric and young adult patients receiving prophylactic cranial irradiation by Volumetric Modulated Arc Therapy with Hippocampal sparing.
• MD/MS Theses Co-guide
Effect of IMRT & Conventional Radiotherapy on saliva in head and neck cancer patients.

**Dr. Jagadesan Pandjatcharam**
- Executive Member of JIPMER Scientific Society
- Moderator for Subject of Radiobiology for MSc. Medical Physics course

**Dr. Vijayaprabhu**
- Organizing Secretary for AMPITNPYCON2014
- Course Coordinator for M.Sc. (Medical Physics) Program
- Steps taken to continue the medical physics internship program with stipends for four students trained in other Universities
- Guided the following two M.Sc. (Medical Physics) students from Anna University and Bharathidasan University for two projects:
  - Planning Comparison of IMRT and VMAT Techniques for Cardiac-sparing Ability During Intact Breast Cancer Radiotherapy.
  - Comparison of IMRT vs. VMAT Radiotherapy Treatment Planning For Head and Neck Cancers.
- Examiner for B.Sc. (AMS-RTT), and M.Sc. (Medical Physics) courses in JIPMER
- Selected as Group Leader for Fire Safety and Disaster Management in JQC
- Member in JIPMER Scientific Society

**Dr. Saravanan**
- Organiser for AMPITNPYCON2014
- Co-guide for three MD – Radiotherapy residents
- As a Medical physicist involved in planning Radiotherapy treatment and dosimetry related works.
- Radiological Safety Officer for JIPMER.
- Team Leader in JQC – Radiation Safety
- Course coordinator for B.Sc. (Radiotherapy Technology)

**Seenisamy**
- As a principal investigator on “ In-vivo dosimetry in Brachytherapy
- Actively involved in the treatment planning of Radiotherapy.
- Part of the physicist team to conduct regular Quality Assurance tests in the department of Radiotherapy, RCC, JIPMER.
- Radiological Safety Officer
- Taking classes for B.Sc. (Allied Medical Sciences)(Radiation Therapy), M.Sc.(Medical Physics) and M.D. (Radiotherapy)
- Co – guide for M.D. (Radiotherapy) residents
- Giving field training to the M.Sc. (Medical Physics) students.
- Being a mentor for M.Sc. (Medical Physics) student

**Mourougan**

- Principal Investigator in project titled “Dosimetric Impact of Model based dose calculation algorithm in HDR Brachytherapy”
- Co-Investigator in project titled “Study of toxicity and local control in cancer cervix treated concurrently with external beam radiotherapy and brachytherapy schedule

**Significant Events in the Department**

- OncoNet India (Exclusive telemedicine facility under Ministry of Health & Family Welfare (MoH & FW) for connecting Regional Cancer Centres in India) was closed in JIPMER in Oct 2014
- Regular home care visit for registered patients started in Palliative Care Unit, RCC
- Rotatory posting of nursing interns from TIPM in Palliative Care Unit, RCC after obtaining joint MOU between JIPMER and TIPM, for improving Palliative care service in RCC, JIPMER.
- MD RT residents, Dr. Santhosh, and Dr. Abhishek Raghav and Senior Resident Dr. Sathish B won first prize in quiz competition at State Chapter Conference (TNPYAROICON2014) in Coimbatore.
- MD RT resident Dr. Santhosh won best paper award at State Chapter Conference (TNPYAROICON2014) in Coimbatore for their work on brachytherapy in cervical cancers under Dr.Parthasarathy.V
DEPARTMENT OF SURGERY

Faculty List:

Senior Professor, Head of Emergency Medicine & Trauma Department: S. Jagdish
Senior Professor, Head of the Surgery Department: K. Srinivasan
Senior Professor, Chief Unit III: Sarath Chandra Sistla
Professor, Chief Unit IV: Vikram Kate
Professor, Chief Unit V: Kadambari D
Professor, Chief Unit VI: Vishnu Prasad NR
Associate Professor: Nanda Kishore Maroju
: Manwar Ali
: Sreenath Gubbi Shamanna
Assistant Professor: S. Suresh Kumar
: Balamourougan. K
: Anandhi. A
: Balasubramanian. G
: Shanmugam. D
: V. Gomathy Shankar
: Raj Kumar. N
: T.P. Elamurugan

Background Information of the Department:

The department of surgery has expanded into six units since last year. The emergency care services were de-linked from the outpatient services, thus enabling one full surgical unit to render services for Emergency and Outpatient separately. This means one surgical unit will look after emergency services on that day and another surgical unit will look the outpatient services. This has improved the patient care and resulted in better handling of emergency care patients. The first step ahead towards speciality oriented approach was taken this year, by inaugurating the comprehensive breast care centre by our former director Dr. T.S. Ravi Kumar, on 9th March 2015. Dr. Kadambari, is co-ordinating the functioning of the center in collaboration with other allied specialities. The department admitted 23 postgraduates from this year compared to 13 in the previous academic year. The PGs are admitted twice in a year through two sessions. There has been a change in the method of internal assessment of the postgraduates from last year, where we assess them periodically every six months.
Educational Courses:

1. Undergraduate Courses
   - MBBS, BSc OT technology, BSc Nursing.

2. Postgraduate Courses
   - MS General Surgery.

3. Higher Speciality Courses - nil

Research Courses
nil

Other Courses

Emergency Medical Technician course co-ordinated by the faculty of the department.

Conferences and CMEs Organized by the Department:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the program</th>
<th>Organizer</th>
<th>Venue</th>
<th>Date</th>
<th>Type of program</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Telementoring workshop on laparoscopic colorectal surgery</td>
<td>Dept. of Surgery &amp; GEM hospital Coimbatore</td>
<td>JIPMER</td>
<td>02nd August 2014</td>
<td>Telementor Workshop</td>
</tr>
<tr>
<td>2.</td>
<td>CME on Gastrointestinal Bleed</td>
<td>Dept. of Surgery &amp; IASG</td>
<td>SSB, JIPMER</td>
<td>17th August 2014</td>
<td>CME</td>
</tr>
<tr>
<td>3.</td>
<td>1st JIPMER ONCOPLASTIC BREAST SURGERY CONFERENCE &amp; SOUTH ZONE REGIONAL CME OF ABSI 2014</td>
<td>Dept. of Surgery</td>
<td>SSB, JIPMER</td>
<td>18-19th October 2014</td>
<td>CME &amp; workshop</td>
</tr>
<tr>
<td>4.</td>
<td>Robotic Surgery</td>
<td>JSS</td>
<td>SSB, JIPMER</td>
<td>19th November 2014</td>
<td>Guest lecture</td>
</tr>
<tr>
<td>5.</td>
<td>LIVE LAPAROSCOPIC HERNIA WORKSHOP</td>
<td>-do-</td>
<td>SSB, JIPMER</td>
<td>29th November 2014</td>
<td>CME &amp; Workshop</td>
</tr>
</tbody>
</table>

Conferences and CMEs Attended by Faculty:

Dr. Jagdish. S

Attended the 74th Annual conference of the Association of Surgeons of India (ASICON—2014) held at Hyderabad from 27th to 30th December 2014

Dr. Vikram Kate

- Attended the 7th National Conference of the Indian Association of Day Surgery as invited faculty which was held at Chennai on 19th & 20th April 2014. Delivered a Guest Lecture on “Day Care versus Regular laparoscopic cholecystectomy” in the “Superspeciality in Day Care session.
- Participated in the “Orientation Workshop on Clinical Research Methodology” as invited
resource person organized by the Division of Research & department of Anesthesiology and Critical Care, JIPMER, Pondicherry on 27th July, 2014. Delivered lecture on “Randomized Controlled Trials” and participated as a faculty in the Panel Discussion on “Systematic Reviews and Meta-analysis and Evidence Based medicine”.

- Attended the CME on “Pancreatic Diseases” as invited faculty organized by the Sri Manakula Vinayagar Medical College & Hospital, Pondicherry on 2nd August 2014. Delivered a Guest Lecture on “Chronic Pancreatitis – an overview of management”.

- Attended the 38th Annual Conference of the Tamil Nadu and Pondicherry Chapter of the Association of Surgeons of India held at Chennai Nadu from 7th to 9th August 2014 as invited faculty and delivered an “Invited Guest Lecture” on “Helicobacter pylori and Peptic Ulcer Disease – Cautions, Caveats and Recommendations”.

- Hosted the CME on Gastrointestinal Bleeding organized by the departments of Surgery and Surgical Gastroenterology under the auspices of the Indian Association of Surgical Gastroenterology (IASG) at JIPMER, Pondicherry on 17th August 2014, as the Chairman Organizing Committee. Chaired two sessions of the CME during the meeting.

- Attended the XXIVth National Conference of the Indian Association of Surgical Gastroenterology held at Ahmedabad from 2nd to 5th October 2014.
  - Taken over as the President-2014-15 of the Indian Association of Surgical Gastroenterology.
  - Convener of the Scientific Committee for the conference.
  - Moderated a case based symposium on “Corrosive injuries of the upper gastrointestinal tract”.
  - Participate as a faculty in “How I do it? Master Video Session” and presented a video on “Colon replacement of the esophagus”
  - Participated as faculty in the meet the professor session in the “Upper GI Section”.
  - Judged the oral free paper session on “Miscellaneous-Section disorders”.
  - Presented the following papers as co-author:
    - A rare presentation of sigmoid colon adenocarcinoma as acute mesenteric ischemia: case report.
    - A case of corrosive esophageal and pyloric stricture with unusual complications - feeding jejunostomy induced jejuno-jejunal intussusception and acute gastric dilatation
    - Diagnosis of pancreatic duct disruption by contrast enhanced computerized tomography
    - Sequential therapy versus concomitant therapy for eradication of Helicobacter pylori in patients with perforated duodenal ulcer – a randomized trial
    - Can early estimation of drain fluid amylase predict postoperative pancreatic fistula in patients with chronic pancreatitis? A pilot study
    - Thoracoscopic esophagectomy with lymphadenectomy along the left recurrent laryngeal nerve following neoadjuvant chemoradiotherapy for squamous cell carcinoma of the esophagus: feasibility and significance.
- Participated in the “Workshop on Research Grant Proposal Writing” as invited resource person organized by the Division of Research & department of Pediatrics, JIPMER, Pondicherry on 5th and 6th October, 2014. Delivered lecture on “Common writing pitfalls: How to avoid them” and participated as a faculty on the session “Presentation of concept proposals”.

- Participated in the “Workshop on Book Writing & Meet the Publishers” as invited Faculty organized by the Division of Research & JIPMER Scientific Society on 7th November, 2014. Moderated the following Guest Lectures
  - Changes in Indian book publishing scenario.
    - Understanding an agreement: writer’s rights and pitfalls.
    - Global changes in book publishing: a publisher’s perspective.
  - Attended the Live Surgical Workshop & CME on “OG Junction lesions” as invited faculty organized by the Surya Sahyadri Hospital, Pune in association with Maharashtra State Chapter of Association of Surgeons of India on 30th November 2014. Delivered a Guest Lecture on “Esophageal Junction Tumors –Current Approach”. Did a video presentation on “Colon replacement of the esophagus & Transhiatal Esophagectomy”. Was the Guest of Honor for the “19th Dr. Dilip Kusurkar memorial Oration”.

- Attended the 74th Annual conference of the Association of Surgeons of India (ASICON—2014) held at Hyderabad from 27th to 30th December 2014.
  - Moderated a Panel Discussion on “Complicated peptic ulcer” in the IASG Sectional programme.
  - Participated as an Examiner on the National Panel of Postgraduate Examiners in the “Virtual Ward Rounds” session to discuss common post-operative issues.
  - Participated as an Examiner on the National Panel of Postgraduate Examiners in the “Master Class – Clinical Case Discussion” and took part in the session on “Obstructive jaundice”.

- Attended the CME & Live operative workshop on “Gastrointestinal Malignancies” as the President of the Indian Association of Surgical Gastroenterology and invited faculty organized jointly by the Meenakshi Mission Hospital & Research Centre, Madurai and the Indian Association of Surgical Gastroenterology on 31st January and 1st February 2015. Delivered a Guest Lecture on “Gastrointestinal Stromal Tumours – Overview and Management”.

- Attended the Annual conference of the Indian Chapter of the International Hepato-Pancreato-Biliary Association (IHPBA-2015) held at Hyderabad from 27th February to 1st March 2015.
  - Chairperson in the CME Session.
    - Speaker for the discussion of the award posters.
    - Judged the posters for the prize.
    - Participated in the Round Table Meet on Minimally invasive (Laparoscopy & Endoscopy) training in HPB Diseases

- Attended the mid-term conference of the Tamil Nadu & Pondicherry Chapter of the Association of Surgeons of India (MIDASICON-2015), as an invited faculty organized by the Pondicherry City Branch of the ASI and the Mahatma Gandhi Medical College & RI, Pondicherry on 7th & 8th March 2015. Moderated a Panel Discussion on “Colorectal Carcinoma”.
Presented the following papers as co-author:

- CECT can be an effective tool in identifying pancreatic duct disruption in acute pancreatitis – a case series.
- Double pseudoaneurysm of the splenic artery in chronic pancreatitis with pseudocyst – an unusual case with a therapeutic challenge.
- Multiple small bowel intussusceptions due to metastatic carcinoma stomach.

Attended the CME on “Learning from the Legends” as an invited faculty organized by the SRM Institute of Medical Sciences, Chennai on 28th & 29th March 2015. Moderated a Panel Discussion on “Mentorship -- what it means to medical practice”.

**Dr. Kadambari D**


**Dr. Vishnu Prasad**

- Moderated the live surgery session of Telementoring workshop on laparoscopic colorectal surgery, relayed from GEM hospital Coimbatore on 02.08.2014
- Arranged a JSS guest lecture on “Robotic Surgery” on 19/11/2014, SSB, JIPMER, Puducherry.
- Delivered a lecture on “Acute upper G I bleeding: how to improve the outcome?” during the CME on “Gastrointestinal bleeding” on 17th August 2014, conference hall, SS block, JIPMER, Puducherry
- Chairperson the following sessions on,
  - Clinical work up and challenges in surgical management of hepatobiliary malignancies
  - Cytopathology of hepatobiliary carcinoma
  - Interpretation of liver biopsy in neonatal cholestasis
  in a CME on GI and Liver Pathology 2015, held on 7th February 2015 at JIPMER, Puducherry.
- Attended PACE Course in Colorectal cancer (Laparoscopic & Robotic) and hands on Da Vinci Robot test drive in Vattikutti Robotic institute, Manipal Hospital, Bangalore on 27th April 2014
- The practice of living donor liver transplantation – Master class liver disease, 28th to 31st January 2015 at Chennai
- Apollo International pancreas update – on 8th February 2015 at Chennai
- Attended the 24th National conference of Indian Association of Surgical Gastroenterology from 2nd to 5th October 2014 at Ahmedabad, Gujarat.

**Dr. Nanda Kishore Maroju**

- Attended the Workshop on Public Private Partnership conducted by Department of Personnel and Training, New Delhi on 17th and 18th July 2014
- Attended the MCI Basic MET workshop conducted at Sri Ramachandra University in January 2015

Dr. A. Anandhi, Dr. V. Gomathy Shankar, Dr. K. Balamourougan, Dr. G. Balasubramanian, Dr. D. Shanmugam Participated as delegates in “Workshop on Research Grant Proposal Writing”, organized by Division of Research, JIPMER on October 24 & 25, 2014

Dr. A. Anandhi, Dr. Gomathy Shankar, Dr. Balamourougan, Dr. Balasubramanian, Dr. D. Shanmugam participated as delegates in the “Orientation Workshop On Clinical Research Methodology”, organized by Division of Research & Department of Anaesthesiology & Critical Care, JIPMER

Dr S Manwar Ali, Dr. A. Anandhi participated in the “CME – cum- Seminar on Preparation of Manuscript and Publication of Research Papers in Indexed Journals” organized by Department of Physiology, JIPMER.

Dr S Manwar Ali Attended the “Basic Epidemiology Course” conducted by the Dept. of PSM, JIPMER.

Dr. A. Anandhi

- Participated as delegate in “10th Annual Live Surgery Demonstration Course - ONCOSURG 2014” conducted by Tata Memorial Centre, Mumbai, held on 21st to 23rd November 2014.
- Attended as delegate “National Conference of Indian Association of Gastrointestinal Endo Surgeons” IAGES 2015 in Gurgaon, Delhi. From 13 to 15th Feb. 2015
- Attended state conference organized by the Pondicherry city branch of Association of Surgeons of India, MIDASICON 2015, held on Mar. 7th and 8th, at Mahatma Gandhi Medical College & Research Institute, Pondicherry

Dr. S. Suresh Kumar

- Participated as faculty for ATLS in 62nd ATLS Provider course held at JIPMER
- Participated in the 5th Short Course on Basic Epidemiology organised by the department of preventive and social medicine, JIPMER held during 10th – 15th November 2014
- Participated in the ONCOSURG 2014 held at TATA MEMORIAL HOSPITAL Mumbai during 21-23 November 2014
- Dr. Balasubramanian did observership in Hepato-pancreatico-biliary and GI oncology at Tata Memorial Centre, Mumbai, between 8th to 20th December 2014.
- Dr. D. Shanmugam Participated as delegate in “10th Annual Live Surgery Demonstration Course - ONCOSURG 2014” conducted by Tata Memorial Centre, Mumbai, held on 21st to 23rd November 2014

Research Projects:

Provide details of projects as Principal Investigator in the following table only.

Dr. Vikram Kate:

- Awarded an Extramural International Research grant of 10,000 US Dollars by Coris BioConcept, Gembloux, Belgium for the project entitled “Evaluation of the Helicobacter pylori stool antigen


Publications
A. Journals:


- Umamaheswaran G, Kadambari D, Kumar AS, Revathy M, Anjana R, Adithan C, Dkhar SA Polymorphic genetic variations of Cytochrome P450 19A1 and T-cell leukemia 1A genes in


B. Books:
Nil.

C. Book Chapters:
Nil

Patient Care Services: Include Department wise listing in text / tabular form.

a. Clinical services

<table>
<thead>
<tr>
<th>Services</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outpatient Clinic</td>
<td>Monday - Saturday</td>
</tr>
<tr>
<td>Inpatient Services</td>
<td>All Days</td>
</tr>
<tr>
<td>Emergency Surgical And Trauma Care</td>
<td>24x7</td>
</tr>
<tr>
<td>Tumor Clinic</td>
<td>Thursday after noon</td>
</tr>
<tr>
<td>Comprehensice Breast Care Center</td>
<td>Monday after noon</td>
</tr>
<tr>
<td>Operative Surgery Care (Major And Minor Procedures)</td>
<td>Elective Monday – Saturday</td>
</tr>
<tr>
<td></td>
<td>Emergency 24x7</td>
</tr>
<tr>
<td>Endoscopic Services – Diagnostic And Therapeutic</td>
<td>Monday - saturday</td>
</tr>
<tr>
<td>Icu Services</td>
<td>24x7</td>
</tr>
<tr>
<td>Chief Minister’s Comprehensive Health Care Services</td>
<td>24x7</td>
</tr>
</tbody>
</table>

b. Laboratory services –

One side-lab for the in-patients of the surgical patients.
Awards, Honours and Other Personal Achievements:

Dr. Vikram Kate:

- Was Elected as the National President -2014-15 of the Indian Association of Surgical Gastroenterology.
- Awarded Membership of The Faculty of Surgical Trainers of the Royal College of Surgeons of Edinburgh – MFSTEd in July 2014.
- Appointed on the Reviewer Board of one of the oldest medical journal in the world “The BMJ” (formerly BMJ, British Medical Journal)

Editorial Board Member:

- Gastroenterology Research & Practice
- Appointed as a Lead Guest Editor for a Special Issue on “Corrosive Injuries of the Upper Gastrointestinal Tract” for Surgery Research and Practice, a PubMed Indexed International Journal.
- Chief Editor for Medscape Reference Gastrointestinal Procedures Section
- World Journal of Critical Care Medicine
- ISRN Gastroenterology

Peer Reviewer for Journals

- International
- The BMJ
- The Surgeon (Journal of The Royal College of Surgeons of Edinburgh & Ireland)
- Drugs
- International Wound Journal.
- World Journal of Gastrointestinal Oncology
- Medical Science Monitor
- Case Reports in Gastroenterology
- African Journal of Microbiology Research
- Surgical Science
- Gastroenterology and Hepatology Research
- World Journal of Gastroenterology
- World Journal of Gastrointestinal Surgery
- World Journal of Gastrointestinal Endoscopy
- ISRN Gastroenterology
- Gastroenterology Research & Practice
- Clinics and Research in Hepatology and Gastroenterology
- International Journal of Advanced Medical Research
- BMJ Case Reports
National

- National Medical Journal of India
- Indian Journal of Pharmacology
- Journal of Postgraduate Medicine
- Indian Journal of Urology
- Tropical Gastroenterology
- Indian Journal of Medical Sciences.
- Indian Journal of Surgery
- Indian Journal of Medical Microbiology
- Indian Journal of Medical Research
- Journal of Pharmacology and Pharmacotherapeutics

Dr. Kadambari D:

- Association of Breast Surgeons of India
- International Surgical Society
- Association for Medical Education in Europe

Administrative, Patient Care, Educational, Research and Other Assignments:

Dr. Vikram Kate

Memberships in official committees

- Member-Secretary JIPMER Undergraduate Research Monitoring Committee.
- Member – Ph.D. Research Monitoring Committee.
- Member – Institute Ethics Committee.
- Appointed as Faculty of Academic Affairs at JIPMER, Pondicherry in January 2014.
- Special Invitee – JIPMER Advisory Scientific Committee & Sub-Committee.
- Member of the Condemnation Committee for departments in SSB, JIPMER.
- Member of the Specialty Advisory Board for General Surgery for National Board of Examinations, New Delhi (2012-13).

Examinership

- Examiner for the Intercollegiate MRCS Part B OSCE Examination conducted by the Royal College of Surgeons, Edinburgh, UK held at Kolkata December 2014.
- Examiner for M.Ch. Surgical Gastroenterology- JIPMER, SGPGI, Lucknow, PGI, Chandigarh.
- Examiner for evaluation of Ph.D. thesis and conduct of Viva Voce examination at PGIMER, Chandigarh.
- Professor –Coordinator for DNB examinations held at JIPMER (2012).
Others:

- President JIPMER Officers’ Club.

**Dr. Kadambari D**
- Conducted MCI inspection for enhancement of PG seats in Kerala in July 2014.

**Dr. Nanda Kishore Maroju**

Examinership:

- Appointed external examiner for MBBS degree course of Sri Balaji Vidyapeeth.

**Administrative Assignments**

- Course coordinator for Emergency Medical technician Course
- Resource person for national Course on Educational Science for Healthcare personnel.

**Significant Events in the Department:**

Nil.
DEPARTMENT OF
SURGICAL GASTROENTEROLOGY

Faculty List :

Additional Professor & Head : Biju Pottakkat
Assistant Professors : R.Kalayarasan
A. Sandip Chandrasekar

Background Information of the Department

The department of surgical gastroenterology at JIPMER was established in the year 2010 with an aim to advance treatment, training and research in the area of surgical gastroenterology. The department started MCh Surgical Gastroenterology course in August 2011 (2 seats/year) and the first batch of students successfully completed their course in 2014. Currently there are seven senior residents in the department.

- Bed strength: 26 IP beds
- 20 general ward beds
- 6 ICU beds

The department manages patients with complicated surgical problems in the abdomen like that of esophagus, stomach, colorectum, liver, pancreas, spleen etc. Department is also conducting various research projects related to these areas in collaboration with allied departments.

Educational Courses:

- Started M.Ch in Surgical Gastroenterology (2 seats) in August 2011.
- Presently there are 7 MCh (4 batches) residents in the department.

Conferences and CME’s Organized by the Department:

Biju Pottakkat

- Suture selection in abdominal surgery, April 2014
- ‘Monothematic Conference and Certificate Course on Benign Anorectal Disorders, July 2014
- Celebrated ostomy day on 08 November 2014
- Organized Six meetings of Puducherry gut club
- Organized Four Simulation courses in laparoscopy for nurses
- Organized Three Simulation courses in Basic Laparoscopy

Conferences and CME’s attended by the Faculty:

Dr. Biju Pottakkat

- Attended Indian Society for Atherosclerosis Research Conference (ISARCON) at lucknow, November 2014 as invited faculty

Jawaharlal Institute of Postgraduate Medical Education and Research
Delivered Guest lecture on “Management of Hepatocellular carcinoma” in ASI (Association of Surgeons of India) Puducherry chapter monthly meeting, November 2014

Attended Master class in Liver disease (MCLD), January 2015

Delivered lecture on “Management of periampullary carcinoma” in MIDASICON, Puducherry, March 2015

**Dr. Kalayarasan R**

- Attended and presented paper in International Digestive Disease Forum (IDDF) 2014, Hong Kong, June 2014
- Attended and presented paper in 26th Meeting of Japanese Society of Hepato-Biliary-Pancreatic Surgery (JSHBPS), Wakayama, Japan, June 2014
- Delivered lecture on “Acute lower gastrointestinal bleeding”, CME on gastrointestinal bleeding (under the aegis of IASG), JIPMER, Puducherry, August 2014.
- Attended and presented paper in 14th World Congress of the International Society for Diseases of the Esophagus (ISDE), Vancouver, Canada. September 2014.
- Attended and presented paper in 24th National conference of the Indian association of Surgical Gastroenterologists (IASGCON), Ahmedabad, October 2014
- Chaired session on laparoscopic incisional hernia repair, live laparoscopic hernia workshop, November 2014, JIPMER, Puducherry
- Panel member, Panel discussion on colorectal cancer, MIDASICON 2015, MGMC&RI, Puducherry, India, March 2015

**Research Projects**

**Dr. Biju Pottakkat**

- Ongoing- As investigator- JIPMER, Puducherry
- Anatomical ramifications of portal vein and its classification based on triple phase CT
- Pathological and radiologic response in patients undergoing esophagectomy after neo-adjuvant chemoradiation for carcinoma esophagus

**Dr. Kalayarasan**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr Kalayarasan R</td>
<td>Can early estimation of drain fluid amylase predict pancreatic fistula following pancreatic surgery – a pilot study.</td>
<td>2014-15</td>
<td>None</td>
<td>Departmental</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
2. Dr Kalayarasan R

<table>
<thead>
<tr>
<th>Publications:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Saluja SS, Kalayarasan R, Mishra PK, Srivastava S, Chandrasekar S, Godhi S.</td>
</tr>
<tr>
<td>• Ananthakrishnan N, Subbarao KSVK, Parthasarathy G, Kate V, Kalayarasan R. Long term results of esophageal bypass for corrosive strictures without esophageal resection using a modified left colon esophagocoloplasty – a report of 105 consecutive patients from a single unit over thirty years. Hepatogastroenterology 2014; 61:1033-1041</td>
</tr>
</tbody>
</table>

**Patient Care Services**

**Clinical**

- In patient services: Treated approximately 600 patient including patients with benign esophageal strictures, esophageal and stomach cancers, liver cancers, hydatid disease of liver, acute pancreatitis, chronic pancreatitis, pancreatic cancer, and colorectal cancer.
- OPD: Approximately 3000 patients were seen and managed in the OPD which runs 6 days a week, from Monday to Saturday
- Ostomy Clinic: Ostomy clinic to serve patients with colostomy / ileostomy / urostomy etc started from November 2013 with two ostomy nurses.
- Endoscopy services: including diagnostic upper and lower GI endoscopies on 2 days of the week, Tuesdays and Thursdays. (Approximately 300 diagnostic Upper GI endoscopies and 50 colonoscopies done).
- OT: Around 350 surgeries performed in 2014/15. (including minimally invasive esophagectomy, esophago coloplasties, major/ segmental liver resections, portal vein embolization for liver tumors, splenorenal shunts for portal hypertension, Frey’s procedure, Whipple’s procedure, sphincter saving procedures for rectal cancer, restorative proctocolectomy for ulcerative colitis and various laparoscopic procedures (including laparoscopic splenectomy, laparoscopic colorectal
procedures like hemicolectomy lap LAR, ISR, lap whipple’s, Lap distal pancreatosplenectomy and laparoscopic liver resection)

Awards, Honours and other personal Achievements

Dr. Biju Pottakkat

- Member of International Hepato-pancreato-biliary Association (IHPBA),
- Member of Association of Surgeons of India (ASI)
- Member of Indian Association of Surgical Gastroenterology (IASG)
- Member of Association of Colon and Rectal Surgeons of India (ACRSI),
- Member of Indian Society of Gastroenterology (ISG)
- Member of National academy of Medical Sciences
- Editorial board member of the science publishing group
- Reviewer in 11 indexed journals

Dr. Kalayarasan

- Awarded Travel Grant from Chinese University of Hong Kong to attend International Digestive Disease Forum 2014, Hong Kong.
- Awarded Travel Grant from Japanese HBP Society to attend 26th Meeting of Japanese Society of Hepato-Biliary-Pancreatic Surgery, Wakayama, Japan
- Awarded Travel Grant from Indian Council of Medical research (ICMR) to attend 14th World Congress of the International Society for Diseases of the Esophagus (ISDE), Vancouver, Canada
- Member of International Association of Surgeons, Gastroenterologists and Oncologists (IASGO)
- Member of International Society for Diseases of the Esophagus (ISDE) [Membership committee member]
- Member of International Gastric cancer Association (IGCA)
- Member of Association of Surgeons of India (ASI)
- Member of Indian Association of Surgical gastroenterology (IASG)
- Member of Indian Society for Diseases of the Esophagus and Stomach (ISES)
- Member of Association of Minimal Access Surgeons of India (AMASI)
- Member of International Hepato-Pancreato-Biliary association (IHPBA), Indian chapter
- Editorial board member – Journal of gastroenterology and hepatology research
- Reviewer – Gastroenterology research and practice

Administrative, Patient Care, Educational, Research and Other Assignments

Dr. Biju Pottakkat

- Member - telemedicine,
- Member - Hospital information system
- Member - skills laboratory
- Member - JIPMER quality council
- Member - hospital infection control committee
- Member - institute council
- Examiner – MCh Surgical Gastroenterology
- Initiated intrabiliary brachytherapy for advanced biliary malignacies

**Dr. Kalayarasan**

- Started Metabolic surgery for morbid obesity
- Started laparoscopic pancreatoduodenectomy for periampullary tumor
- Started laparoscopic intersphincteric resection for low rectal cancer

**Significant Events in the Department**

- Metabolic surgery programme started from March 2015
- A dedicated simulation lab started in the OPD area with seven simulators. Regular training programmes are being held every month for doctors and nurses.
- Started Ostomy clinic with effect from Nov 2013.
- Setup dedicated skills lab facilities in OPD block.
- Established simulation liver radiology system.
- Acquired the following equipments in the year 2014/15.
  - Choledocho-Fiberscope – 1 No.
  - Ultrasound Simulator – 1 No.
  - Laparoscope – Thoracoscopy system – 1 No.
Faculty List:

Professor & Head of the Department : T.S. Ravikumar
Assistant Professors : Prasanth Penumadu
                      Sindhu VA

Background Information of the Department

The department of surgical oncology deals with a wide range of cancers which include Head & Neck, Thoracic, Breast, Soft tissue, Gastrointestinal and Uro-Gynaecological malignancies. Over the year 2014-15 the unit has performed an increasing range of complex major surgeries in greater numbers. This has also been accompanied by a corresponding increase in the number of patients being referred to the unit. The department is actively involved in clinical research and various inter department tumour boards for optimal management of cancer patients.

In the year 2013 the department has started MCh surgical oncology programme with an intake of one students every six months.

Educational Courses

- Higher Speciality courses
- MCh (Surgical Oncology)

Conference Organized by the Department:

- JIPMER Oncoplasty Breast Surgery Conference – South Zone Regional CME of ABSI 2014; 18 – 19th October, 2014 – Organised jointly with Department of Surgery, Plastic Surgery, Medical and Radiation Oncology
- Various Symposia conducted in collaboration with Medical Oncology and other departments
  - Colorectal Cancer
  - Early Breast Cancer
  - Non-small cell Lung Cancer

Conferences and CME’s attended by the Faculty:

Prasanth Penumadu

A. Conference & CME Attended

- Attended “Orientation workshop on Epidemiology” organized by the Division of Research, and Department of Preventive and Social medicine, JIPMER on 29-30th May 2014
- Attended workshop and hands on training course conducted at MS Ramaiah Medical College, Bengaluru on ‘Minimal Invasive Thoracic Surgery’ on 28th – 29th June, 2014
- Attended NATCON IASO 2014 held at Cancer Institute, Chennai 18-21st September, 2014
- Organizing Committee member in the 1st JIPMER Oncoplasty Breast Surgery Conference – South Zone Regional CME of ABSI 2014; 18 – 19th October, 2014
- Attended “Orientation workshop on Clinical Research Methodology” organized by the Department of Anaesthesiology & Critical Care, JIPMER on 10th November 2014
- Attended the conference ‘Yashoda International Cancer Conference’ held from January 23-25, 2015, at HICC, Hyderabad
- Attended the workshop on ‘Global Postlaryngectomy Rehabilitation Academy’ held at Tata Memorial Hospital, Mumbai from February 21-22, 2015.
- Attended a ‘ESMO Preceptorship course on Colo-rectal Cancer’ Organised by ESMO held at Singapore from March 27-28, 2015

B. Chaired Scientific Session
- Chaired a Panel discussion on ‘Difficult Stoma’ in Ostomy day celebrations organised by Department of Surgical Gastroenterology at JIPMER on 8th November, 2014
- Participated as Faculty in 10th Annual Live Surgery Demonstration Course ‘ONCOSURG 2014’ held on 21 – 23rd November 2014

C. Guest Lecture
- Delivered a guest Lecture on ‘Evidence Based D2 Gastrectomy’ at Surgical Oncology Symposium organised by ASI Salem Chapter on 09th December, 2014
- Various other presentations/posters from the Department
- Poster Presentation – ‘Inflammatory Myofibroblastic Tumor of the right Main Bronchus’ at Midterm IASO Conference held in Bhopal – Shanmugasundaram, Adarsh B & Prasanth Penumadu
- Poster Presentation – ‘Reading man flap – An arrow in the Quiver’ at Midterm IASO Conference held at Bhopal – Ashwini, Friji & Prasanth Penumadu
- Poster Presentation - ‘Triton tumor of the left lower alveolus’ at Midterm IASO Conference held in Bhopal – Prashob K, Arjun. Dinesh K & Prasanth Penumadu

Patient Care Services
The department of Surgical Oncology runs OPD services thrice a week on Monday, Wednesday and Friday (~2500 patients a year). We are equipped with 18 beds for inpatient care and an intensive care unit with 4 beds. We perform major surgeries (open and minimal invasive) on four days a week (Tuesday, Thursday, Friday & Saturday). Minor procedures and fibre-optic laryngoscope and bronchoscopy are performed twice a week on Monday & Thursday.

Participation in Tumour Boards conducted by various departments from Monday to Thursday for better patient care and resident teaching. Actively involved in developing Comprehensive Breast care centre which was inaugurated in March and formulating guidelines for breast cancer management at JIPMER.
Awards, Honours and other personal Achievements
Prasanth Penumadu

- Awarded ‘Arimathi Thennaganar Award 2014’ by Youth Peace Centre, Puducherry on 25th October, 2014
- Nominated to represent JIPMER to attend the National Cancer Grid meeting held at Tata Memorial Hospital, Mumbai on July 2014

Administrative, Patient Care, Educational, Research and Other Assignments
Prasanth Penumadu

- Member of Association of Surgeons of India (ASI)
- Member of Indian Association of Surgical Oncology (IASO)
- Member of European Society of Medical Oncology (ESMO)
- Member in the executive board JIPMER Scientific Society (JSS)
- Editorial Board Member for JIPMER Journal of Cancer

Significant Events in the Department

- **Visiting Professor – Dr.George Karimindackal**, consultant thoracic surgical oncologist at Tata Memorial Hospital, Mumbai, visited the department for Demonstration of Surgical procedure and delivered a lecture on advances in the management of Lung Cancer in January, 2015
- Started Video assisted thoracoscopic surgery (VATS) for thoracic tumors
- Extension of Out-patient services on every Friday
- Inauguration of Comprehensive Breast Care Centre under the leadership of Dr.Kadambari
DEPARTMENT OF TRANSFUSION MEDICINE

Faculty List:

Professor of Pathology & Officer In Charge: Dr. Debdatta Basu

Assistant Professors: Rajendra G Kulkarni, B. Abhishekh (From 15.12.2014)

Background Information of the Department

Department of Transfusion Medicine & Post Graduate course M.D in Transfusion Medicine and Immunohaematology was started from the Academic year 2009-2010. Presently three students have completed the course and six at present students are studying.

The collection and demand for all blood products has increased and this year the total collection went up to 17,225 units and we have supplied 47,155 blood components. This year we have collected single donor platelet apheresis from 220 donors and we have issued 388 single donor platelets.

The autologous and allogeneic peripheral blood stem cell apheresis procedures and single donor platelet apheresis are being successfully carried out using newly installed Cobe spectra and Trima. This year 17 peripheral blood stem cell collections were done out of which 14 were autologous and 3 were allogenic collections. In the two instances the allogenic stem cell donors were children weighing less than 25 kg.

Platelet apheresis procedures are run regularly on a daily basis. The Blood bank is actively involved in supporting intrauterine transfusions for hemolytic disease of new born and antibody screening with identification using 11 cell panel.

This year, we have successfully participated in Transfusion medicine EQAS programme conducted by CMC, Vellore. We have joined as members for reporting adverse transfusion reactions and donor reactions in National Haemovigilance programme of India.

Felicitation program for regular voluntary blood donors and voluntary blood donation camp organizers was organized. This year we have conducted 90 voluntary blood donation camps in and around Puducherry. Voluntary blood donation awareness and AIDS awareness programs were conducted in various colleges, institutes and corporate houses. Similar awareness programs were carried out through television and radio.

Educational Courses

Undergraduate Courses

a) Training of students undergoing internship in MBBS course
b) Training of students undergoing internship in B. Sc MLT course
c) Training of students undergoing the B. Sc (Allied Health Sciences)

d) Lectures for students in MBBS 2nd professional, B. Sc Nursing, MLT

**Postgraduate Course**

a) MD (Immunohaematology and blood transfusion)

b) Training of students undergoing MD (Pathology)

**Higher specialty courses**

Training of students undergoing DM (Hematology) course

**Conferences and CMEs Organized by the Department**

- In connection with month-long celebration of World Blood Donation Day 2014, we organized felicitation of 130 regular voluntary blood donors and 80 regular voluntary blood donation camp organizers on 15.11.2014 at Conference Hall, SS Block, JIPMER under the aegis of Pondicherry AIDS Control Society.

- Dr. Nanda Kishore Pasupala, 3rd year Junior Resident & Mrs. Selvam Sree Ramachandraraj, Technical Supervisor has given phone in live programme on “Blood Donation awareness and its important”, interacting with the public and clarifying their doubts regarding voluntary blood donation in Doordarshan on 9th July 2014.

**Conferences and CMEs attended by Faculty**

**Dr. Rajendra G Kulkarni**

- Attended “2nd Orientation workshop in Epidemiology” organized by Division of Research, JIPMER and Department of Preventive & Social Medicine, JIPMER on 26th & 27th June 2014.

- Attended Orientation workshop on “Animal and Lab Experimentation” organized by Division of Research, JIPMER and Department of Physiology, JIPMER on 31st July 2014.

- Attended 70th National course on Educational Science for Teachers of Health Professionals held at JIPMER, Puducherry from 28th August to 06th September 2014.

- Attended “Workshop on Research grant Proposal writing” organized by Division of Research, JIPMER and Department of Pediatrics, JIPMER on 24th & 25th October 2014.

- Gave a talk as guest speaker on “Banking the knowledge on Blood products–the Treasure of Cardiac surgery” at PERTECON 2014 (National conference of perfusion technologists) on 06.12.2014

- Attended one day CME on “Haemovigilance Programme of India” at Shri Ramachandra Medical College, Porur, Chennai on 27.02.2015.

**Dr. B. Abhishekh**

- Attended National course on Educational Science for Teachers of Health Professionals held at JIPMER, Puducherry from 16th to 21st Feb’ 2015.

- Invited as a guest faculty in panel discussion in the 24th ISBTI CME organized by Department of Transfusion Medicine, Amrita Institute of Medical Sciences, Cochin, Kerala on 01.03.2015.

**Research Projects**

No Research Projects
Publications

Patient care Services

Clinical Services
The blood bank provides round the clock services for issue of blood components for patients in JIPMER. The numbers of components prepared and issued in April 2014 to March 2015 are

<table>
<thead>
<tr>
<th>Component Name</th>
<th>No. of components prepared</th>
<th>% change over 2013-14</th>
<th>No. of components issued</th>
<th>% change over 2013-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packed red cell concentrate I.P</td>
<td>17115</td>
<td>29.09</td>
<td>16229</td>
<td>17.94</td>
</tr>
<tr>
<td>Fresh frozen plasma I.P</td>
<td>15786</td>
<td>24.11</td>
<td>15719</td>
<td>25.38</td>
</tr>
<tr>
<td>Platelet concentrate I.P</td>
<td>13416</td>
<td>15.11</td>
<td>13314</td>
<td>22.27</td>
</tr>
<tr>
<td>Single Donor Platelet I.P</td>
<td>220</td>
<td>0.36</td>
<td>388</td>
<td>1.51</td>
</tr>
<tr>
<td>Cryo Precipitate I.P</td>
<td>1931</td>
<td>4.11</td>
<td>1786</td>
<td>6.81</td>
</tr>
<tr>
<td>Cryo Poor plasma I.P</td>
<td>139</td>
<td>-0.88</td>
<td>107</td>
<td>-1.58</td>
</tr>
<tr>
<td>Peripheral blood stem cell</td>
<td>17</td>
<td>0.00</td>
<td>17</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Laboratory services
The blood bank provides round the clock services for basic Lab investigations for patients in JIPMER. Some advanced investigations are done during routine hours only.

Routine investigations
1. Blood group for blood donors and patients
2. Hemoglobin estimation for blood donors
3. Direct Coombs’ Test
4. Crossmatch
5. Transfusion reaction workup

Advanced investigations
1. Indirect Coombs’ Test
2. Antibody screen
3. Antibody identification (Immunohematology)
4. Blood group confirmation for blood donors and patients
5. Donor screening for HIV, HBV, HCV, Syphilis, Malaria and Irregular antibodies
6. Quality check for red cell, plasma, platelet components
Awards, honours and other personal Achievements

Dr. Nanda Kishore Pasupala, 3rd year Junior Resident has been awarded first prize for the oral paper titled “Donor Haemovigilance: First pillar to ‘vein to vein’” in the CME on 27.02.2015 conducted by Sri Ramachandra University in collaboration with National Institute of Biological & Indian Pharmacopoeia Commission, Govt. of India.

Administrative, Educational, Research and Other Assignments

Dr. Debdatta Basu

- Member of National Advisory committee Haemovigilance Programme of India.

Dr. Rajendra G Kulkarni

- Involved in Blood bank inspection under Pondicherry Council of Blood Transfusion.
- Member of Institute Stem cell Research committee, Stationary & printing material purchase committee.
- Group leader of “Blood and injection safety group, JIPMER Quality council.

Significant Events in the Department

1. Total no. of donors 17225 donors
2. Total no. of Platelet apheresis procedures done 220 procedures
3. Total no. of Autologous Peripheral blood stem cell apheresis 14 procedures
4. Total no.of AllogeneicPeripheral blood stem cell apheresis 03 procedures
5. Total no. of camps 90camps
   a. In Pondicherry 66camps
   b. In outside Pondicherry 16camps
   c. In the blood bank 08camps
DEPARTMENT OF UROLOGY

Faculty List :

Senior Professor : Santosh Kumar
Professor & Head : L.N. Dorairajan
Associate Professors : Muruganandham K. R. Manikandan.
Assistant Professors : Sreerag K.S.

Background Information of the Department

The Urology Department was started in 1979 and was the first Urology Department to be established in any institution covered under the Central Health Service. Subsequently a M.Ch. (Urology) Super Speciality Degree Course was started in 1987. This was the first Super Speciality Degree Course started at JIPMER, Pondicherry and the first Urology Super Speciality Course to be established in any institution covered under the Central Health Service. The services provided by the department include paediatric endoscopy, urodynamics, image guided urological interventions, upper and lower urinary tract endourology, extracorporeal shock wave lithotripsy for renal stone treatment, reconstructive urology, treatment of urinary incontinence, treatment for sexual dysfunction and infertility in male, urological laparoscopy, genitourinary cancer surgery and renal transplant surgery. Deceased donor organ harvesting and deceased donor renal transplantation was started in December 2013. In 2014 these services were further developed and standardised. To make the services more accessible to patients, special clinics were started in May 2015. These include the Urinary Incontinence Clinic, the Male Infertility Clinic, the Renal Transplant Surgery Clinic, and the Vascular Access Surgery Clinic. In April 2014 a urology skills laboratory was set up to enhance postgraduate learning without compromising patient safety. The faculty members’ strength grew with the joining of Dr. Sreerag as Assistant Professor of Urology. The faculty members are engaged in research activities for optimising management of urological diseases relevant to the society.

Educational Courses

Undergraduate Courses

- Conducts the Urology section of the BSc (OT Technology) Course.
- Lecture classes are taken for the students of M.B.B.S. course
- Lecture classes are taken for the students of B.Sc. (Nursing) course
- Classes are taken for the students of B.M.R.Sc. course

Postgraduate Courses

- Training is imparted for students of the M.S. (General Surgery) course.
Higher Speciality Courses

- M.Ch. (Urology) Course.

Conferences and CMEs attended by Faculty

**Dr. Santosh Kumar**


2. Resource person in Workshop for JIPMER Faculty on Workplace Based Assessments held on 19.07.2014 at JIPMER, Puducherry.

3. Resource person in the 70th National Course on Educational Science for Teachers of Health Professionals held from 28.08.2014 to 06.09.2014 at JIPMER, Puducherry.

4. Participated as a delegate in the Workshop on Book Writing and Meet the Publishers held on 07.11.2014 at JIPMER, Puducherry.


6. Resource person in the Training Course on Medical Education for Senior Residents of JIPMER held from 20.01.2015 to 22.01.2015 at JIPMER, Puducherry.

7. Chaired a Scientific Session in Workshop on Bioethics held on 24.01.2015 at JIPMER, Puducherry.

8. Resource person in the 71st National Course on Educational Science for Teachers of Health Professionals held from 02.02.2015 to 07.02.2015 at JIPMER, Puducherry.


10. Coordinator for First Year Postgraduate Orientation Programme for DM/MCh students held from 09.02.2015 to 12.02.2015 at JIPMER, Puducherry.

**Dr. L.N. Dorairajan**

1. Delivered a talk on “Urology for the nephrologist” at the Trichy Renal Sciences Club in Trichy on 22nd March 2015.

2. Coordinator for First Year Postgraduate Orientation Programme for DM/MCh students held from 09.02.2015 to 12.02.2015 at JIPMER, Puducherry.

3. Joint coordinator for First Year Postgraduate Orientation Programme for DM/MCh students held from 09.02.2015 to 12.02.2015 at JIPMER, Puducherry.


5. Participated in the Workshop on Bioethics held on 24.01.2015 at JIPMER, Puducherry.

7. Attended as a participant the Symposium on Ostomy Care Conducted by Department of Surgical Gastroenterology at JIPMER on 8th November 2014.

8. Participated in the Grant Writing Workshop held on 23rd and 24th October 2014 at JIPMER, Puducherry.

9. Coordinator for the DM/MCh P.G. Orientation Programme – 2014 conducted from 07.10.2014 to 11.10.2014 at JIPMER.


12. Participated as a resource person in the “Good Clinical Research Practice (GCRP)” workshop conducted by Department of Clinical Pharmacology, JIPMER, Puducherry on 22nd and 23rd August 2014.

13. Participated in the Workshop for JIPMER Faculty on Workplace Based Assessments held on 19.07.2014 at JIPMER, Puducherry.


15. Participated as a resource person in the Continuing Urological Education Program “The Urology Masterclass — 4th Annual CMC Vellore Postgraduate Course” conducted by the Department of Urology, Christian Medical College, from May 2nd to 3rd 2014

**Dr. Muruganandham K**

1. Completed 12 week “Certificate Course on Healthcare Quality Management (CCHQM)” conducted by Sankara Nethralaya Academy, Chennai in Feb. 2015

2. Vattikutti Global Robotics 2015 from 30th January to 1st February 2015 at New Delhi


4. Moderated a session on Laparoscopic Radical and Partial nephrectomy in Live Operative Workshop at SGPGI URO MEET 2014 from 16th to 18th December 2014 held at SGPGIMS, Lucknow.

5. Delivered a presentation on “Status of deceased donor Kidney transplant program at JIPMER” on the CME on “First Anniversary of Deceased Donor Transplantation Program at JIPMER” on 12th December 2014.

6. “Workshop on Research Grant Proposal Writing” held at JIPMER on October 10th & 11th, 2014

7. Conducted a 3 hour Module on “Quality in Healthcare” for Master of Public Health students on 9th October 2014.

8. Delivered a Talk on “Kidney transplantation at JIPMER: Present and future” in JIPMER Foundation Day Scientific Program on 13th July 2014
9. Participated in Television Health Program “Siruneeraga kal, putrunoi matrum thotru noigal (Urological diseases and their treatment)” conducted by Doordarshan Kendra, Indra Nagar, Puducherry on 23.05.2014 (Telecast on Podhigai channel on 8.7.2014)

10. Successfully completed training on “Leadership in Healthcare” at Indian Institute of Public Health at New Delhi from 1st to 4th April 2014

11. Served as a resource person in online course – HarvardX: PH555x Improving Global Health: Focusing on Quality and Safety and participated in the interview on Human factor principles with Course convener Professor Ashish Jha, Harvard School of Public Health

12. Served as a Faculty for Interns’ Orientation Program conducted by NTTC, JIPMER on 16.7.2014 & 17.7.2014 and convened a session on Patient Safety.

13. Delivered a Talk on “Patient Safety & Quality in Healthcare” at JIPMER Employee Orientation Program conducted on 17th May 2014

14. Served as Faculty for the DM/MCh Orientation program and conducted a session on “Patient Safety, Health care Quality and Work place safety” on 10th October 2014

15. Attended as a participant the “Workshop on Multi Organ Retrieval – 2014” conducted on 19th & 20th April, 2014 at LTMMC & LTMGH Mumbai

16. Attended as a participant the Seminar & workshop “Renal Transplant Update” at Muljibhai Patel Urological Hospital on 25th & 26th April 2014

17. Attended as a participant the RePORT India Grantsmanship Seminar held at JIPMER on 10th May 2014

18. Attended as a participant the Symposium on Ostomy Care Conducted by Department of Surgical Gastroenterology at JIPMER on 8th November 2014.

Dr. R. Manikandan

1. Resource person for the DM/MCh P.G. Orientation Programme – 2015 conducted from 09.02.2015 to 12.02.2015 at JIPMER and delivered talks on ‘Appraisal of Evidence’ in the EIM module and helped conduct group tasks on ‘Evidence Informed Medicine’.

2. Attended as a participant the annual conference of Urological Society of India (USICON-2015) from February 5-8 at Ranchi.

3. Delivered a lecture on “Urostomy” - Ostomy day celebrations organized by department of Surgical Gastroenterology, JIPMER held on November 8, JIPMER


5. Attended the “Vascular access course” workshop from October 6-7, 2014 at Mumbai.

6. Conducted the “Uro-radiology quiz” for M.Ch postgraduates at the Annual conference of the association of Tamilnadu and Pondicherry Urologists, from September 27-28, 2014 at Tuticorin, Tamilnadu.

7. Chaired a prize paper session in “Uro-oncology” at the Annual conference of the association of Tamilnadu and Pondicherry Urologists, from September 27-28, 2014 at Tuticorin, Tamilnadu

8. Attended the “Penile reconstructive surgery workshop” between August 23-24, 2014 at Ahmedabad, Gujarat

**Dr. Sreerag K.S.**

1. Resource person for the DM/MCh P.G. Orientation Programme – 2015 conducted from 09.02.2015 to 12.02.2015 at JIPMER and delivered talks on ‘How to ask a question’ in the EIM module and helped conduct group tasks on ‘Evidence Informed Medicine’.

2. Conducted microtraining session for journal club as part of DM/MCh P.G. Orientation Programme – 2015.

3. Attended basic laparoscopic training course.

**The following papers were also presented from the Department at various conferences:**

**Papers presented at the USICON 2015 at Ranchi in February 2015**


6. Anil Verma, Laludi N. Dorairajan, Santosh Kumar, Ramanitharan Manikandan, Kaliyaperumal Muruganandham. The safety and efficacy of corpus spongiosum block as add on to topical anaesthesia for diagnostic cystoscopy for bladder cancer – Randomized controlled trial comparing three different techniques.

**The following papers were presented at the 19th Annual Conference of the Tamilnadu & Pondicherry Association of Urologists (TAPASUCON 2014) held from 27-09-2014 to 28-09-2014 in Tuticorin:**


4. Amit Kumar Mishra, Manikandan R, Dorairajan LN, Sajini Elizabeth Jacob, Muruganandham K, Jayesh Mittal, Santosh Kumar. Wilms’ tumour in adults- a rare entity. (Poster presentation)

**Research Projects**

**Faculty Projects**

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Name of Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From…..To…)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions/Departments</th>
<th>Status (completed in FY 2013-14 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr Muruganandham K</td>
<td>“Effect of escalating energy strategy on outcome of Extra Corporeal Shock Wave Lithotripsy (ESWL) for renal stones: A randomized controlled trial”</td>
<td>2 years (February 2013 to January 2015)</td>
<td>Rupees Two lakhs (Rs. 200,000/-) JIPMER Intramural fund</td>
<td>Biochemistry</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2.</td>
<td>Dr Muruganandham K</td>
<td>Efficacy of modified end to side radio-cephalic arterio-venous fistula for dialysis access on flow and patency rate- A randomized clinical study.</td>
<td>1 year, From January 2014</td>
<td>Not funded</td>
<td>None</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Sl No.</td>
<td>Name of Principal Investigator</td>
<td>Title of Project</td>
<td>Duration of Project (From ..... To....)</td>
<td>Funding Agency and Total Funds Sanctioned</td>
<td>Collaborating Institutions/Departments</td>
<td>Status (completed in FY 2013-14 or ongoing)</td>
</tr>
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</tr>
<tr>
<td>3.</td>
<td>Dr. R. Manikandan</td>
<td>Assessment of sperm quality, oxidative stress and seminal oxidant activity in low-level leucocytospermia male infertility with doxycycline treatment: A prospective placebo randomized trial</td>
<td>1 year, From January 2013</td>
<td>Rupees Two lakhs (Rs. 200,000/-) JIPMER Intramural fund</td>
<td>Biochemistry</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**Guide for ongoing MCh Dissertation**

**Dr. Santosh Kumar**

1. Effect of evidence informed practice on clinical decision making in Urology

**Dr. L.N. Dorairajan**

1. The safety and efficacy of corpus spongiosum block as add on to topical anaesthesia for diagnostic cystoscopy for bladder cancer– Randomized controlled trial comparing three different techniques.

2. Randomised clinical trial for comparison of infective complications in transperineal versus transrectal ultrasound guided prostatic biopsy in patients suspected to have prostate cancer

**Dr. Muruganandham K**

1. Does renal function improves after drainage in poorly functioning obstructed kidney?

2. Factors predicting infective complications following per cutaneous nephrolithotomy.


**Dr. R. Manikandan**

Comparison of flexible cystoscope and semirigid ureteroscope for pain during Double J stent removal. A randomized controlled trial.
1. Prospective audit of complications after ultrasonography guided percutaneous nephrostomy for upper urinary tract obstruction using modified Clavien classification system

**Publications**

**Journals:**


**Patient care Services**

**Clinical**

1. OPD Services.
2. In patient urological care.
3. Urological consultancy service to other departments.
4. Open urological operations for adult and paediatric patients.
5. Adult and paediatric endoscopic upper and lower urinary tract diagnostic and therapeutic procedures.
6. Adult and paediatric laparoscopic ablative and advanced reconstructive procedures.
7. Extracorporeal shock wave lithotripsy service.
8. Outpatient urological surgery and endoscopy.
10. Surgery for male infertility and sexual dysfunction.
11. Surgery for vascular access for dialysis.
12. Renal transplant surgery including laparoscopic donor nephrectomy and deceased donor renal transplant surgery.

**Laboratory**

1. Urodynamic studies
Awards, honours and other personal Achievements

Dr. Santosh Kumar
1. Core Group Member of National Teacher Training Centre
2. Faculty Academic Affairs

Dr. L. N. Dorairajan
1. Member of the Editorial Committee of the Indian Journal of Urology.
2. Member of the Executive Committee of the JIPMER Scientific Society as past President from January 2014 to February 2015.
3. Elected Secretary of the Tamilnadu and Pondicherry Association of Urologists for the period 2014 to 2016.

Dr. K. Muruganandham
1. Invited to perform and demonstrate Laparoscopic donor nephrectomy and helped in initiating the program at Sri Ramachandra Medical Centre, Chennai on 15.05.2014
2. Served as internal expert for equipment selection for Transplant Unit in SSB expansion
3. Served as Course Coordinator and Faculty for Training, Dr Refai Mohamed Abdul Cader, Deputy Director of Health, Government of Sri Lanka on “Patient Safety and Healthcare Quality” as a part of WHO fellowship program

Dr. R. Manikandan
1. Elected as Honorary Treasurer for the Association of Tamilnadu and Pondicherry Urologists, Tamilnadu (TAPASU) for the year 2014-16 and attended the Executive committee meeting of Association of Tamilnadu and Pondicherry Urologists, Tamilnadu (TAPASU) at Trichy in March 2015.
2. Resource person for basic and advanced urological laparoscopic simulator training programs.

Dr. Sreerag K.S.
1. Successfully completed the Advanced Trauma Life Support Workshop organized by ATLS providers course JIPMER, Puducherry on 12th to 14th March 2014 at JIPMER Puducherry.
2. Life member of Urology Association of Kerala.
3. Life member of Urological Society of India.

Administrative, Educational, Research and Other Assignments

Dr. Santosh Kumar
1. Member Secretary of JIPMER Scientific Advisory Committee
2. Chairman of Institute Ethics Sub Committee(Human Studies)
3. Member of UG/PG Admission Committee
4. Member of JIPMER Scientific Advisory Sub-Committee
5. Member of Institute Ethics Committee (Human Studies)
6. Member of Intramural Research Fund Committee
7. Member of JIPMER Committee on Insurance
8. Member of Committee to start JIPMER online Journal
9. Member of Board of Examiners for MCh Urology Exam at JIPMER, Puducherry in August 2014.

Dr. L.N. Dorairajan
1. Member of the ‘Hospital Sutures and Disinfectants Monitoring Committee.’ JIPMER, Puducherry.
2. Member of the Core Committee for the Implementation of the RNTCP in JIPMER, Puducherry.
3. Vice President of the JIPMER Officers’ Club for the year 2014-15.
4. Officer-in-Charge of the Superspecialty Block Minor OT Complex.
5. Deputed by the MCI for the inspection of physical and other teaching facilities available at medical colleges for purpose of permitting starting or recognition of M.Ch. (Urology).
6. Nodal Officer for Fire Safety in Super Speciality Block, JIPMER.
7. Member Secretary of the Sponsored Clinical Trials Research Committee.
8. Member of Intramural Research Fund Committee
9. Member, UG Research Monitoring Committee, JIPMER from 10-1-2014.

Dr. K. Muruganandham
2. Member of organizing committee for “First Anniversary of Deceased Donor Transplantation Program at JIPMER” on 12th December 2014.
3. Member of JIPMER Golden Jubilee Souvenir Committee.
4. Member of “Hospitality Committee” for Organizing Golden Jubilee celebrations.
5. Member of Faculty-Residents Joint Committee from 7th June 2013.

Dr. R. Manikandan
1. Member JIPMER Quality Council.
2. Coordinator for the Urology section of the BSc (OT Technology) Course.
3. Internal examiner for the Urology section of the BSc (OT Technology) Course.

Dr. Sreerag K.S.
1. Coguide for two MCh theses

Significant Events in the Department
To make the services more accessible to patients, the following special clinics were started in May 2015:

a. Urinary Incontinence Clinic
b. Male Infertility Clinic
c. Renal Transplant Surgery Clinic
d. Vascular Access Surgery Clinic
**Faculty List:**

Vice Principal (Ag. Principal) : Kumari. M. J.

Lecturer : Ramesh. R. S.
  - Lakshmi Ramamoorthy
  - Padmavathi Nagarajan
  - Vetriselvi. D

Lecturer (On Contract) : Gomathi. A

Lecturer (On Contract) : Vahitha. S

Sister Tutor : Yamuna. T. V.
  - Porkodi Rabindran
  - Arul Nisha. S
  - Angelin Mary Sheela. S
  - Lakshmi Prasanna. M
  - Kavitha. R. R.
  - Safeena Beevi. S. S
  - Niksy Abraham
  - Kanimozhi. K

Sister Tutor (On Contract) : Buvaneswari. R

Public Health Nurse : Kalaiarasi. E

Nursing Sister : Bakkiyalatchimi. P

Clinical Instructor : Subha. N
  - Aruna. P
  - Janarthanan. B
  - Muthulakshmi. K
  - Vembu. K
  - Vanitha. N
  - Shanmuga Priya. K
  - Rani. S

**Background Information**

The College of Nursing, JIPMER was started on August 2006 and located in an exclusive three level building with all infrastructure required to learn the full spectrum of nursing care. Students are provided with class room learning, simulation learning, clinical learning and field learning with all modern teaching aids. JIPMER Hospital is a 2114 bedded multispecialty hospital. Students
have access to library facilities from central library and college of nursing where students have free access to rich collection of books and journals. Further, college of nursing is equipped with computer lab with 17 internet and Wifi connections. Residential facilities in the hostel are excellent for ideal development of students. The college aims to prepare nursing undergraduates to assume responsibilities as professionally competent nurses and midwives in providing holistic care. The undergraduate students are given hands-on training in different areas. The courses have been designed according to the regulations of Indian Nursing Council. The post graduate programme in nursing prepare graduates to assume responsibilities as nurse specialists, educators, administrators, researchers in a wide variety of professional settings. The Post Basic Diploma courses in nursing are designed to prepare registered nurses with specialized knowledge, skills and attitude in providing advance quality care to patients in the respective specialty area. A stipend of Rs. 10,000/- is paid every month during the course of one year study period with free hostel accommodation for the Post Basic Diploma in nursing students.

**Educational Courses**

**(a). Undergraduate Course**

B. Sc. Nursing degree course (Four years duration with an annual intake of 75 students).

**(b). Postgraduate Course**

M.Sc. Nursing degree course (Two years duration with an annual intake of 25 students- 5 in each specialty)

**Five specialties**

1. Medical Surgical Nursing
2. Paediatric Nursing
3. Obstetric and Gynecological Nursing
4. Community Health Nursing
5. Psychiatric Nursing

**(c). Other Courses**

Post Basic Diploma in nursing (One year duration with an annual intake of 50 students –10 in each specialty)

**Post Basic Diploma Nursing courses**

1. Critical Care Nursing
2. Cardio Thoracic Nursing
3. Operation Room Nursing
4. Oncology Nursing
5. Neonatal Nursing

**Conferences and CMEs organized by College of Nursing**

College of Nursing, JIPMER has been identified by the Indian Nursing Council as one of the training institutions to train Staff Nurses on HIV/AIDS under GFATM (Global Fund for the fight against AIDS, TB & Malaria) project from five districts namely Puducherry & its Branches, Cuddalore, Villupuram, Namakkal and Karur. The College of Nursing has conducted five training sessions for
ANMs (Auxiliary Nurse Midwives) on HIV/AIDS, six training sessions for Nurses on HIV/AIDS, eight training sessions for ANMs on Tuberculosis, twelve workshops to train nurses on Tuberculosis, one Nursing Superintendent’s Meeting and trained 603 nurses and 348 ANMs respectively from the allotted five districts during the period of April 2014 to March 2015.

International Nurses Day has been celebrated on the theme “Nurses: a force for change; a vital resource for health” followed by panel discussion which was organized by M.Sc. Nursing I and II year students at College of Nursing on 12 May 2014.

**Conferences and CMEs Attended by Faculty**

**Mrs. M. J. Kumari**

- Participated in “Training of Trainers” on tuberculosis under the Global Fund to Fight AIDS, Tuberculosis and Malaria (GFATM) Round – 7 conducted by College of Nursing, CMC, Vellore from 19-21 June 2014
- Presented a paper on “Patients safety in emergency department” in the National conference theme on the Emerging trends in Emergency Nursing organized by College of Nursing, Annamalai University on 25-26 July 2014
- Attended a GFATM regional workshop at St. Isabel’s College of Nursing, Chennai, organized by Indian Nursing Council, New Delhi on 13 August 2014
- Attended a GFATM National consensus workshop organized by Indian Nursing Council at Bangalore from 22-23 August 2014
- Participated as a delegate in the workshop on Book Writing and Meet the Publishers organized by the JIPMER Scientific Society on 7 November 2014.
- Completed a training course on Human Resource Management and development held at National Institute of Health and Family Welfare (NIHFW), New Delhi from 2-6 February 2015
- Participated as a resource person to deliver a talk on “What you need to know about Diabetes” in state level seminar on update on Diabetes Mellitus at College of Nursing, East Coast Hospital, Puducherry on 18 February 2015.

**Dr. Mrs. Lakshmi. R**

- Attended “Training of Trainers” on tuberculosis under the Global Fund to Fight AIDS, Tuberculosis and Malaria (GFATM) at CMC, Vellore on 4-6 September 2014
- Presented a paper at 2nd National conference sponsored by ICMR conducted at Pondicherry Institute of Medical Sciences (PIMS), Puducherry on “Geriatric Cancer & Rehabilitation Palliative Care” on 30 September 2014
- Presented a paper at State Level conference organized by Arvinth College of Nursing on “Role of Nurses in Caring patients” with HIV/AIDS on 17-18 December 2014

**Mrs. Padmavathi Nagarajan**

- Participated in “Training of Trainers” on tuberculosis under the Global Fund to Fight AIDS, Tuberculosis and Malaria (GFATM) Round – 7 conducted by College of Nursing, CMC, Vellore from 19-21 June 2014
- Attended GFATM workshop as a Resource person for training of nurses in tuberculosis care at
St. Xavier’s College of Nursing, Nagercoil on 8-9 September 201408.09.2014 and 09.09.2014
- Attended GFATM HIV Workshop as a resource person on 19-24 May 2014 and 2-7 June 2014.
- Attended GFATM TB TON workshop as a resource person on 9-14 December 2014 and 18-20 February 2014 at College of Nursing, JIPMER.
- Attended TB training for ANMs as a resource person on 30-31 December 2014 and 19-20 March 2015.

Mrs. D. Vetriselvi
- Attended as a resource person in the workshop on HIV-AIDS (GFATM) conducted at College of Nursing, JIPMER from 2-14 June 2014., and 14-23 November 2014.
- Attended the GFATM workshop “Training of trainers on Tuberculosis” conducted by CMC from 19-21 June 2014.
- Organized rally, role play and poster competition in World Breast Feeding celebration on the first week of August 2014.
- Attended as a resource person for the workshop on Tuberculosis conducted at College of Nursing, JIPMER from 09-11 September 2014, from 1-3 December 2014 and from 25-27 February 2015.
- Attended as a resource person in essential newborn care workshop held at College of Nursing, JIPMER on 08-09 November 2014.
- Participated as a resource person in the workshop on “Neonatal Resuscitation Skills” organized by Vinayaka Mission College of Nursing held on 28 January 2015.
- Delivered a lecture on “Breast feeding benefits” among mothers at Wiseman higher Secondary School, organized by NYCF (Newborn young child feeding) foundation on 28 March 2015.

Mrs. T. V. Yamuna
- Participated in RNTCP State level conference held at Indira Gandhi Medical College and Research Institute (IGMC&RI), Puducherry on 25 March 2015

Mr. B. Janarthanan
- Attended the “IAP – NNF Neonatal Resuscitation Program” (First Golden Minute Project) conducted by the Indian Academy of Pediatrics in association with the National Neonatology Forum on 26 July 2014 (AN) and 27 July 2014 at Pondicherry and he is now recognized by IAP-NNF as “NRP District Instructor”.
- Attended the Nursing skill course on “Gastrointestinal staplers” on 02 August 2014 at JIPMER organised by the Department of Surgical Gastroenterology.
- Participated in Simulation course on Laparoscopy for Nurses on 13 September 2014 in JIPMER organized by the Department of Surgical Gastroenterology.
- Attended the workshop on “Statistical Analysis using STATA from 13-17 October 2014 at Indian Institute of Public Health (IIPH), New Delhi at Gurgaon.
Mrs. N. Subha

- Attended symposium on “Prevention of infection in post-operative clients” organized by department of CTVS, JIPMER on 28 April 2014.
- Attended workshop on “Well Women” organized by Social Welfare wing, JIPMER on 28.08.2014.
- Presented “Clinical manifestation of stroke” in the workshop organized by College of Nursing, JIPMER by M.Sc. Nursing I year students on 05 February 2015.
- Attended continuing education programme on “Legal issues in Nursing” organized by M.Sc. Nursing II year students at College of Nursing, JIPMER on 25 March 2015.

Mrs. P. Aruna

- Attended the state level conference on Prevention of Hospital Acquired infection organized by PGNA, Puducherry on 20 June 2014.
- Attended the state level conference on Best practices in Nursing triad – Education Practice & Research organized by KGNA (MGMC & RI) Puducherry on 28 November 2014.

Mrs. S. Vahitha

- Attended a National conference on ART techniques for infertility at SRM&RI, Kancheepuram on 25 March 2015.

Mrs. R. Buvaneswari

- Attended a state conference on Revolutionizing infertility treatment & care: Show caring global advancement at SRM College of Nursing on 26 March 2015.

Research Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Principal Investigator</th>
<th>Title of Project</th>
<th>Duration of Project (From - to)</th>
<th>Funding Agency and Total Funds Sanctioned</th>
<th>Collaborating Institutions / Departments</th>
<th>Status (completed in FY 2012-13 or ongoing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mrs. M. J. Kumari,</td>
<td>A study to assess the knowledge of attitude on stroke among patients of risk for stroke in JIPMER</td>
<td>2013 - 2015</td>
<td>Self</td>
<td>With department of CTVS, Cardiology and Endocrinology</td>
<td>On-going</td>
</tr>
<tr>
<td></td>
<td>Dr. Mrs. Lakshmi Ramamoorthy</td>
<td>Incidence of Catheter Associated Urinary Tract Infections (CAUTI) in Neuro-surgical patients</td>
<td>2014 - 2015</td>
<td>Yet to be sanctioned (Intramural)</td>
<td>College of Nursing with Department of Neurosurgery, JIPMER</td>
<td>On-going</td>
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<tr>
<td></td>
<td></td>
<td>Effects of Foleys Catheter Vs Suction Catheter in tracheostomy suction among neuro surgical patients</td>
<td>2014-2015</td>
<td>Self</td>
<td>College of Nursing with Department of Neurosurgery, JIPMER</td>
<td>On-going</td>
</tr>
</tbody>
</table>

**Publications**


**Patient Care Services**

Nil

**Awards, Honours And Other Personal Achievements**

Nil

**Administrative, Educational, Research And Other Assignments**

**Mrs. M.J. Kumari**

• Appointed as an Examiner for M.Sc. Nursing I (clinical specialty I and Nursing Education) and II year (Clinical specialty II - Cardio thoracic Nursing and dissertation) for M.Sc. Cardiological/CTVS Nursing at JIPMER

• Appointed as Subject Expert of Standing Selection Committee for the recruitment of Tutors/Clinical Instructors at Nursing College of AIIMS, Raipur on 17–18 November 2014.

• Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

• Member in Society of Midwives in India, Puducherry Chapter.

• Annual membership in the Society for Wound Care and Research.

• Member in Editorial Board of Indian Journal of Surgical Nursing.

• Member in Editorial Board of International Journal of Nursing Practice.

**Mr. R. S. Ramesh**

• Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

• Member of “Red Cross Society of India”, Puducherry branch

**Dr. Mrs. Lakshmi Ramamoorthy**

• Appointed as an external examiner for B.Sc. Nursing Medical Surgical Nursing I & II in May–June 2014 and December 2014 session at Pondicherry University.

• Appointed as a dissertation evaluator for M.Sc. Cardiological/CTVS Nursing at AIIMS, New Delhi.

• Appointed as theory paper evaluator (Medical Surgical Nursing and Nursing Foundation) at Pondicherry University.

• Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

**Mrs. Padmavathi Nagarajan**

• Appointed as an examiner at Pondicherry University on 12 December 2014, 23 January 2015 and 27 January 2015.

• Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

• Life member of “Indian Society of Psychiatry Nurses (ISPN)”.

Jawaharlal Institute of Postgraduate Medical Education and Research
Mrs. D. Vetriselvi
- Appointed as an examiner for M.Sc. Nursing at Annamalai University from 30 September 2014 to 01 October 2014.
- Appointed as an examiner for B.Sc. Nursing at Mother Theresa Post Graduate Institute of Medical Sciences and Research under Pondicherry University from 11-13 December 2014.
- Appointed as an examiner for B.Sc. Nursing at East Coast College of Nursing under Pondicherry University on 15-16 December 2014.
- Life membership of “Trained Nurses Association of India (TNAI)”, New Delhi.
- Life membership in Society of Midwives of India.
- Life membership in National Neonatology forum.
- Life membership in Nursing research society of India.

Mrs. T.V. Yamuna
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Porkodi Rabindran
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- Member in Society of Midwives in India, Puducherry Chapter.
- Member of “Indian Public Health Association (IPHA)”.

Mrs. S. Arul Nisha
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. M. Lakshmi Prasanna
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. R. R. Kavitha
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Niksy Abraham
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Safeena Beevi. S. S
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. K. Kanimozhi
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Kalaiarasi Elangovan
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Bakkiyalatchimi. P
- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- Member in Society of Midwives in India, Puducherry Chapter.
Mr. B. Janarthanan

- Appointed as an external examiner for conducting Psychiatric Nursing practical Exam for B.Sc. Nursing III year at Mother Theresa Post Graduate and Research Institute of Health Sciences, Puducherry from 22-24 May 2014 by Pondicherry University.

- Appointed as an external examiner for conducting M.Sc. Nursing I year Psychiatric Nursing practical Examination at Amala College of Nursing, Thrissur on 03 June 2014 by Kerala University of Health Sciences (KUHS), Thrissur, Kerala.

- Appointed as an evaluator for Psychiatric Nursing theory papers (B.Sc. Nursing III year) by Pondicherry University on 04 June 2014.

- Appointed as an evaluator for B.Sc. Nursing IV year Nursing Research theory papers by JIPMER in June and December 2014.

- Appointed as an external examiner for conducting M.Sc. Nursing I year Nursing Education practical Exams at Mother College of Nursing, Thrissur on 10 November 2014 by Kerala University of Health Sciences, Thrissur, Kerala.

- Attended the meeting as a Contributing Editor to finalise the manuscripts of Psychiatric Nursing Journal of the Tamil Nadu Nurses & Midwives council at TNNMC office, Chennai on 18 September 2014.

- Appointed as an Editorial Expert for the Indian Journal of Nursing studies, by the President of Nursing Research Society of India (NRSI) and Peer Reviewed the manuscripts for July-December 2014 Issue.

- Appointed as a member of the Scientific Committee for the International Journal of Psychiatric Nursing (IJPN) by the Editor.

- Appointed as an Expert to formulate policies and procedure for initiating “Post-Doctoral fellowship program” under the aegis of the “Nursing Research Society of India (NRSI) by the President of NRSI.

- Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

- Life member of “Indian Society of Psychiatry Nurses (ISPN)”.

- Life member of “Nursing research society of India” (NRSI).

Significant Events In The Department

- M.Sc. (N) I year Community health nursing specialty students organized a Mass health education programme on the WHO day theme of vector borne diseases “small bit big threat” for the people of Pillaiyarkuppam under the guidance of Mrs. T. V. Yamuna & Mrs. A. Gomathi on 07 April 2014.

- Nursing students and faculty members from College of Nursing were participated in Mini Marathon in connection with Golden Jubilee celebration on 13 July 2014.

- B.Sc. Nursing were prepared handmade items like pupets, bangles, ear rings, flower vase, drawings and pen stands and displayed in Thrift shop in connection with Golden Jubilee celebration in JIPMER auditorium on 14 July 2014.

- Mr. S. Surendiran, B.Sc. (N) 2012 batch won the championship on 01 August 2014 and got the first prize in 1500 mt men running, triple jump, long jump, Javelin (men) and 400 mt running (men) and 2nd place in shot put in Annual Sports Meet for the year 2014 held at JIPMER.

- Breast feeding week was celebrated on 01-08 August 2014 in collaboration with the Department of Paediatrics, JIPMER. In this connection, on 02 August 2014, breast feeding rally was conducted.
in the JIPMER campus, the role play was conducted on importance of breast feeding by B.Sc. (N) III year students in Post Natal ward. On 05 August 2014, B.Sc. (N) III year and Post Basic diploma in Neonatal Nursing students were participated in Breast feeding quiz competition. Ms. Kavitha. N., Ms. Kalpana. A from B.Sc. (N) III year and Ms. Kanimozhi. B from PBD in Neonatal Nursing won the first prize. In poster competition, Ms. Kavitha, B.Sc. (N) III year student won the first place.

- B.Sc. Nursing IV year (58 nos.) students were organized and conducted the workshop on Injection Safety on 08 October 2014 under the guidance of Mrs. A. Gomathi.

- World Mental Health Day was observed in Psychiatric Ward & OPD on 10 October 2014 by the B.Sc. Nursing III year and M.Sc. Nursing II year students on the theme “Living with Schizophrenia”

- The Lamp Lighting Ceremony for the 9th batch B.Sc. Nursing students of College of Nursing, JIPMER was held on 10 December 2014 at JIPMER Auditorium. Dr. Mrs. Kalavathi, Principal, Rani Meyyammai College of Nursing, Annamalai University was the chief guest of the programme.

- Career Guidance Programme has been organized by College of Nursing, JIPMER on 25 July 2014 held at M.P. Hall for the B.Sc. Nursing outgoing batch students.

- One day workshop on Stroke had been organized by M.Sc. Nursing I year (2014 batch) students of College of Nursing, JIPMER on 05 March 2015.

- M.Sc. Nursing II year students have organized an Inservice education on “Legal issues in Nursing” as a part of Nursing Management curriculum on 25 March 2015 at Hunter Theatre, JIPMER.

The B.Sc. (N), M.Sc. (N) & PBDN examination results for the year 2014-2015 are as follows:

<table>
<thead>
<tr>
<th>Batch</th>
<th>Course</th>
<th>Month of Examination held</th>
<th>% of Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>B.Sc.(N) I Year</td>
<td>May/ June 2014</td>
<td>85.13</td>
</tr>
<tr>
<td>2012</td>
<td>B.Sc.(N) II Year</td>
<td>May/ June 2014</td>
<td>88.89</td>
</tr>
<tr>
<td>2011</td>
<td>B.Sc.(N) III Year</td>
<td>May/ June 2014</td>
<td>100</td>
</tr>
<tr>
<td>2010</td>
<td>B.Sc.(N) IV Year</td>
<td>May/ June 2014</td>
<td>98</td>
</tr>
<tr>
<td>2012</td>
<td>M.Sc.(N) II year</td>
<td>May/ June 2014</td>
<td>100</td>
</tr>
<tr>
<td>2013</td>
<td>M.Sc.(N) I year</td>
<td>May/ June 2014</td>
<td>100</td>
</tr>
<tr>
<td>2014</td>
<td>Post Basic Diploma courses in Nursing  - Critical Care Nursing - Cardio Thoracic Nursing - Operation Room Nursing - Oncology Nursing - Neonatal Nursing</td>
<td>December 2014</td>
<td>100</td>
</tr>
</tbody>
</table>
ADVANCED CENTRE FOR YOGA THERAPY EDUCATION AND RESEARCH (ACYTER)

Faculty List:

Programme Director,  
Professor & Head of Physiology : G. K. Pal

Background Information

The Advanced Centre for Yoga Therapy Education and Research (ACYTER), is functioning in JIPMER since 2008. The first phase of this advanced centre had focused on role of yoga in the prevention and management of cardiovascular disorders & diabetes mellitus. This centre is planning to assess the role of yoga in hypertension, cancer, COPD & other various disorders.

Aims & Objectives of ACYTER

- To bridge the gap between yoga and modern medicine
- To introduce yoga in medical curriculum and facilitate an awareness of the therapeutic potential of yoga amongst the medical professionals
- To provide quality yoga and lifestyle consultation and standardized yoga therapy to patients of JIPMER
- To conduct collaborative research projects with different departments in JIPMER
- To conduct seminars, workshops, symposia and conferences
- To standardize yoga techniques and procedures
- To conduct yoga classes for JIPMER staff, students and general public
- To create an awareness about the art and science of yoga amongst the people of Pondicherry and surrounding regions

Names of Staff Post(s) and number(s)

- Programme Director - 1
- Program Coordinator - 1
- Medical Officer - 1
- Yoga instructors - 2
- MTS-cum-Clerk - 1

Services provided with statistics during the year

ACYTER along with its yoga therapy OPD is functioning in 4th Floor of JIPMER Academic Center. The Yoga OPD is conducted daily from 9 AM to 1 PM. Yoga OPD for Oncology patients are being conducted at RCC JIPMER on Monday to Thursday 2:30-4:30 pm. Yoga therapy sessions are being conducted at ACYTER yoga hall for diabetes on Tuesday, Thursday & Saturday from 10 – 11 AM, for
cardiovascular diseases from 11 AM – 12 noon on Mondays, Wednesdays and Fridays and for other disorders from 12 noon – 1 PM every day.

Sessions are conducted individually and in groups as per requirements of the patients and directions of therapists. Yoga classes for normal subjects are being conducted on Mondays, and Wednesdays at 6.30 AM and 4.30 PM and for senior citizens on Thursdays between 11 AM and 12 noon.

ACYTER Yoga Research Lab is functioning in SS Block since 6 July 2011 and regular studies are being conducted on patients of diabetes, hypertension and heart failure. Various pilot studies on patients as well as normal volunteers are being conducted.

<table>
<thead>
<tr>
<th>Statistics between April 2014 and March 2015:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPD attendance</td>
</tr>
<tr>
<td>Therapy sessions</td>
</tr>
<tr>
<td>● Diabetes</td>
</tr>
<tr>
<td>● Hypertension</td>
</tr>
<tr>
<td>● Other disorders</td>
</tr>
<tr>
<td>Yoga classes for senior citizens</td>
</tr>
<tr>
<td>Yoga classes for normal subjects</td>
</tr>
<tr>
<td>Number of patients investigated in research lab</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

**Research Works**

Many research projects are being conducted at JIPMER as collaborative efforts between ACYTER and the Departments of Physiology, Medicine, Biochemistry, Cardiology and Obstetrics & Gynecology. Papers and abstracts have been published and also submitted for publication. Details of various studies completed / in progress are given below:

**PhD thesis**

**In progress**

- Association of sympathovagal imbalance with cardiovascular and metabolic dysfunction in pre diabetic and diabetic alleviation of this dysfunction with yoga therapy in pre diabetics and diabetics.

**Completed**

1. Effect of yoga therapy on cardiac autonomic functions and oxidative stress in prehypertensive subjects: a randomized controlled study.

2. Effect of yoga therapy on cardiac function, response to exercise, oxidative stress and quality of life in heart failure patients: a randomized controlled trial.

**MD dissertations**

**Completed**

1. Effects of slow and fast pranayams on pulmonary function, handgrip strength and endurance in young healthy volunteers – a randomized controlled trial.

2. Effect of yoga training on autonomic functions and reaction time in young healthy females during different phases of menstrual cycle.

3. Effect of pranayam on maximal exercise performance, pulmonary function, recovery heart rate and blood pressure in healthy adults.
In progress

1. Effect of yoga on pulmonary, cardio vascular, metabolic function and psychological stress core in breast cancer patients undergoing radiotherapy – a Randomized Control Trial

2. Effect of Yoga on sympathovagal imbalance, oxidative stress. Inflammatory markers, insulin resistance and lipid profile in male type 2 diabetes

3. Effect of slow breathing exercise on stress score and correlation of stress score with resting heart rate variability and pulmonary functions in young healthy male volunteers

DM dissertations

Completed

1. The effect of yogic relaxation (pranava relaxation) technique on cerebro vascular reactivity as measured by transcranial Doppler in patients with ischemic stroke.

Other Research Project

Faculty Research Projects

Completed:

1. Study of the effect of slow breathing exercises on the course of pregnancy in women having risk factor for PIH

2. Effect of slow and fast pranayams on cognitive and autonomic parameters in young healthy subjects.

3. Effect of pranayam training on maximal exercise performance, pulmonary function, recovery heart rate and blood pressure in healthy adults

In progress

1. Effect of yoga on cardiovascular risks in first degree relatives of hypertensives and type 2 diabetics

List of Publications


BIOMEDICAL WASTE MANAGEMENT

Faculty List:

Medical Superintendent : Dr. J. Balachander
Addl. Medical Superintendent : Dr. Anita Rustagi
Officer In-charge, GDMO : Dr. N. Balachandar

Background Information

Biomedical waste may be defined as any waste which is generated in the diagnosis, treatment or immunization of human beings or animals, in research pertaining thereto, or in the production and testing of “biologicals” and including 10 categories of Bio Medical Waste mentioned in the Schedule-I of 1998 rules.

Recognizing the importance of disposal of medical waste in an environmentally sound manner the Hospital Biomedical Waste Management wing was started in 1998 at JIPMER Hospital monitored by the coordinator Dr. D. Basu, Professor of Pathology.

A committee under the chairmanship of the Medical Superintendent is formulated for successful implementation of the programme. The Officer Incharge of the programme, the Sanitary Superintendent, the Nursing Superintendent, the HOD of P&SM and few others are the members of this committee.

Services provided

1. Segregation of the wastes is done under the headings of infectious biological wastes, waste sharps and general noninfectious wastes and are transported in yellow, blue and black coloured bags respectively for disposal. There is a proposal to introduce red colour bag as recommended by the Central and State Pollution Control Board.

2. The infectious biological wastes collected in yellow bags are taken for incineration. Two incinerators are fully operational which has the capacity of burning 120 kgs, of waste material per hour. The second stand by incinerator with the capacity to burn 15 kg of infectious waste, which is established and maintained by HLL, is also there.

3. 200 electrical needle syringe destroyers have been acquired by the Hospital of which 155 have been issued to all the wards where they are in regular use.

4. Auto disabled (AD) syringes have been procured this year to be used in all ICU’s and Infectious diseases wards.

5. All infectious disposable plastic waste are treated in the Microwave disinfection device (Medister 160) and then shredded and disposed in landfills along with general waste.

6. A new plastic shredder from the company Sun Medica has been procured at the cost of Rs. 13,00,000/- and installed in place of the old one which has been worn out due to age.
Achievements

1. It is our pride to state that JIPMER is the only Government Institution in India to get the authorization for the implementation of Biomedical waste management (BMWM) programme in JIPMER from PPCC.

2. According to the BMWM norms, the used needles with infection have to be disposed off safely in the SHARP PIT to avoid spread of infection which JIPMER doesn’t have at present. Efforts have been taken to construct a sharp pit which is entrusted to CPWD Civil. This will be ready in a short while.

3. To avoid needle stick injury, which is alarming in JIPMER at present, puncture proof boxes are introduced. The used needles will be collected in these boxes as soon as the injection is given.

4. A new STP with the capacity of 2.4 mld is sanctioned and the earth work is initiated by a private firm.

5. The segregation poster depicting the colour coding for disposal of Bio Medical Waste from the Wards, OTs, Etc., are getting ready which would be supplied to the collection points for display for the guidance of the waste handlers.

6. Regular orientation classes as per the schedule are taken for all the staff providing health care including the Doctors and Coolies to create awareness among them to make the programme a grand success.

7. Electronic weighing machines numbering 20 at the cost of Rs. 5,000/- (Rupees five thousand only) each is provided to all the primary collection points to weigh the Biomedical Waste for accurate measurement of waste generated in JIPMER and documented.

Statistics of the Year

The quantum of biomedical waste generated in JIPMER Hospital during the year 2014-2015 was 8,96,424 Kgs. The remaining noninfectious waste was sent to the dumping yard within the JIPMER Campus itself. The average waste generated per day per bed is 1.02 kg.

<table>
<thead>
<tr>
<th>Waste generated during the year 2014 in JIPMER</th>
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<tbody>
<tr>
<td>Cat. No.</td>
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<td>1.</td>
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<td>11</td>
</tr>
</tbody>
</table>

Total: 74,702 Kgs 8,96,424 Kgs
JIPMER DEPARTMENTAL CANTEEN

Administrative Hierarchy
The Departmental Canteen is managed by the Canteen Management Committee consisting of the Director, JIPMER as its Patron, Chairman, Secretary and Members nominated from different sections of employees of JIPMER. Currently the Canteen Management Committee consisting of the following members:

Dr. T. S. Ravikumar, Director : Patron
Dr. R. Raveendran, Professor of Pharmacology : Chairman
Shri M. Krishna Rao, Law Officer : Secretary
Dr. M. Balasoubramaniane, Hospital Assistant : Member
Dr. Gopal K Pal, Professor of Physiology : Member
Shri S. Gandhirajan, Ward boy : Member
Dr. S. Kandasamy, Scientist IV : Member
Shri. A. Mohamed Gani, Ag. Manager : Member
Shri M. Pannerselvam, Nursing Attendant : Member
Shri A. Prabakaran, Peon : Member
Smt. Revathy, Sr. Dietician : Member
Shri N. Viswanathan, Medical Records Clerk : Member

Background information:
The JIPMER canteen was started in 1970 by the JIPMER Staff Co-operative Credit Society (Regn. No.P231) and later in 1976 it became the JIPMER Staff Co-operative Canteen (Regn. No.P354). In 1991 the canteen was renamed as JIPMER Staff Canteen. In 1991, the canteen was annexed as a section of JIPMER following the takeover of the same by the Central Government. The Canteen was renamed “JIPMER Departmental Canteen” in 2005.

Names of the Staff: Post(s) and number(s)

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of the post</th>
<th>No. of posts sanctioned</th>
<th>No. of vacancies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>General Manager</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Manager Gr-II</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Manager- cum-Accountant</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Asst- Manager cum Store- Keeper</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Clerk</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Halwai-cum-Cook</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Asst Halwai-cum-Cook</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Canteen Attendant</td>
<td>11</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>
Services Provided

The canteen is run on a “no-loss-no-profit” basis. It serves a variety of food items to its customers at the lowest prices. Currently the canteen is functioning at four places. The main section is located in the administrative block where the food is prepared. In the super specialty block, an AC canteen is functioning to serve breakfast, lunch, snacks and cool and hot drinks. Two bunks one located near the main gate and the other opposite to WCH also cater the needs of the employees. The canteen is supplying on request lunch and snacks at a lowest price for participants attending workshops, seminars etc., conducted by JIPMER / Departments. The canteen also provides training to students of Dietetics doing internship. The services provided at different locations are given below:

<table>
<thead>
<tr>
<th>Location</th>
<th>Sales timing and Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin Block Canteen</td>
<td>8.30 AM to 1.30 PM and 2.30 to 4.00 PM Breakfast, Lunch, hot and cold drinks, snacks</td>
</tr>
<tr>
<td>SS Block Canteen</td>
<td>9 AM to 1.30 PM and 2.30 to 4.00 PM Breakfast, lunch, hot and cold drinks, snacks</td>
</tr>
<tr>
<td>Bunk (near main gate)</td>
<td>7 am to 5.30 PM Packed breakfast and lunch, hot and cold drinks, snacks</td>
</tr>
<tr>
<td>Bunk (Opp. to WCH)</td>
<td>6.30 am to 4.30 pm Packed lunch, hot and cold drinks, snacks &amp; water</td>
</tr>
</tbody>
</table>

Canteens at admin block and SS block offer dine-in and take-away facilities.

Statistics:

The canteen services are utilized by about 4000-5000 customers consisting of officers, employees, students and others employed in the campus. The canteens are used by more than 2000 customers a day.

Achievements / Significant events

- A new bunk was open opposite to WCH.
- Dish washer was installed in the canteen to wash the plates, tumblers, cups etc.,
- Solar water heaters were installed
- Electric Idly plant (500 idly capacity) & Dosa plate were procured to increase the production.

Future plans

- A building for a new canteen with AC dining halls has been proposed to meet the increasing needs of the employees.
CENTRAL ANIMAL HOUSE

Various Activities of the facility are categorized as follows:

The following small animals have been maintained throughout the year:

1. Rats (Wistar)
2. Mice (Swiss)
3. Rabbits (New Zealand)
4. Guinea Pigs

The opening stock as on 01.04.2014 was
- Mice 300
- Rats 300
- Guniea pigs 30
- Rabbits 50

The closing stock as on 31.03.2015 was
- Mice 250
- Rats 200
- Guniea pigs 30
- Rabbits 45

A total of 486 small animals (rats, mice, rabbits and guinea pigs) were supplied to various departments of this institution and other medical colleges. The following are the details:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Animals</th>
<th>No. issued for teaching</th>
<th>No. issued for research purpose</th>
<th>No. issued to other medical colleges</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Rats</td>
<td>184</td>
<td>78</td>
<td>100</td>
</tr>
<tr>
<td>2</td>
<td>Mice</td>
<td>30</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>Rabbits</td>
<td>10</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Guinea pigs</td>
<td>27</td>
<td>0</td>
<td>30</td>
</tr>
</tbody>
</table>

The facility housed 6 sheep for purpose of preparation of culture media (sheep blood agar) by the department of microbiology.

Details of registration:

- Animal House Registration no. : 128/1999 CPCSEA
- Date of renewal of registration : 10.5.2015
- Valid upto : 09.05.2018
CENTRAL LIBRARY

Faculty List :

Prof. and Faculty-in-charge of Central Library : B.N.Harish

Background Information

The Central Library, JIPMER was established in the year 1957 at the erstwhile Medical college Buildings at Puducherry. It was shifted to the Banting Hall, JIPMER in the Year 1964. The central Library was finally shifted to the present centrally air-conditioned building and continued functioning from January 12, 1973.

Staff Pattern

1. Asst. Library & Information Officer - 1 no.
2. Library Clerks - 7 nos.
3. Library Attendants - 3 nos.
4. MTS - 1 no.

The Library functions under overall supervision of the Director. The faculty in charge of central library is independently looking after the day to day administration of Library. He is guided by two Sub-committees in purchase of books and Journals.

The Members of the Committees are as follows.

Sub Committee on Books Procurement

1. Dr.C. Adithan, Prof. & HOD Dept. of Clin. Pharmacology - Chairman
2. Dr. Debdutta Basu, Prof. Dept. of Pathology - Member
3. Dr. Vikram Kate, Prof. Dept. of Surgery - Member
4. Dr. G.K. Pal, HOD Dept. of Physiology - Member
5. Dr. S. Vinod Kumar, Prof. & HOD of Pulmonary Medicine - Member
6. Dr. B.N. Harish, HOD of Microbiology & Officer In-Charge of Central Library - Member Secretary
7. Mrs. Kalyani Sathiyanavar, Asst. Library & Information Officer Central Library - Member

Sub Committee on Journal Procurement

1. Dr. Ashok Shankar Badhe, Professor & HOD of SSB - Chairman
2. Dr. G.K. Pal, Professor & HOD of Physiology - Member
3. Dr. S. Vinod Kumar, Professor & HOD of Pulmonary Medicine - Member
4. Dr. Mrs. D. Kadambari, Professor of Surgery - Member
5. Dr. B.N. Harish, Professor & HOD of Microbiology & Officer In charge of Central Library - Member Secretary
7. Mrs. Kalyani Sathiyakumar Asst. Library & Information Officer, Central Library - Member

Eligible users
Faculty, Students of JIPMER and other medical and para medical staff, retired faculty members, Students undertaking Project work in JIPMER upon collection of refundable caution Deposit. Short time permission to outsiders for few days at the discretion of the Officer–in–Charge is also considered. The Working Hours of the Central Library is from 9AM to 10PM and it is open round the year, except national holidays and other seven festival holidays in a year.

Services

Book Section
The issue section has 3607 books as on 31.03.2015 and are displayed in 27 shelves for issue to the eligible members of the Library. The reference section has 4558 books as on 31.03.2015 in the medicine and allied subjects arranged in the order of basic subjects followed by clinical subjects and super specialty subjects which are available for reference to the eligible members of the Library. The books published during the last 5 years are kept in the reference section. There are about 5000 books arranged in the basement of library (Bound Volume section) in chronological sequence from 1971 to 1990 for scrutiny by the Subcommittee on condemnation of old obsolete books for disposal.

There is a separate Book Bank from which books are issued to the SC/ST student’s term basis through an additional membership card provided to them. About 50 students are currently availing this facility.

Question Paper Collection
The Central Library maintains a separate collection of previous years question papers for U.G. & P.G. courses for the reference of the users of the Library. Journal Section –Current Journals section have 136 (One hundred and Thirty Six) Journals from National and International Publishers subscribed for the year of 2014. They are displayed subject wise in the display racks in alphabetical order. Out of 136 Journals print version subscribed through TLS the firm offers free online accessibility for 42 Print journals.

A separate section of WHO publications is maintained in the library. There are 2821 WHO publications available in the library and they are displayed in the racks. The Central Library subscribed to WHO Global Subscription Package for a sum of Rs.75,000/- - during the FY 2014. An updated catalogue book providing all the WHO publication details is available in the Library and it may be provided on request for the users.

There is a separate section for the maintenance of theses and there are about 1900 theses /dissertations arranged according to their accession number and displayed in the racks provided in the Thesis section. An updated reference book containing all the dissertations/theses is maintained in the thesis section which will be available on request by the users.

Online Journals
JIPMER is one of the member institutions of the e-Journal Consortium of National Medical Library (NML), New Delhi. Through NML about 202 e-Journals were accessed through online (through JIPMER IP address) free of cost.
Proquest

Library subscribes Proquest Health & Medical Complete. The journal covers all major clinical and healthcare disciplines, including medical sciences, immunology, pharmacy and pharmacology, nursing, physical fitness and hygiene, surgery and others. It provides in-depth coverage from over 2791 publications with more than 1,660 articles available in full text and of these, over 910 include MEDLINE indexing. The database includes all charts, diagrams, graphs, tables, photos and other graphical elements essential to medical research. The Library subscribes to BMJ Case Reports (online) and BMJ Best Practice (online) for the year 2014.

Computer Lab & Internet services

The Central Library has a seminar hall cum computer lab with 31 computer terminals. Internet facility is available free of cost to the users during the working hours. The seminar hall of the Central Library has modern audio visual services including LCD projectors and sound systems which are made available for other departments to conduct Training programmes, orientation programmes, seminars, conferences, workshops and extra classes for B.Sc M.L.T., students and other UG and PG students.

Computer Lab II with 20 computer systems, Smart Board with High definition LCD projector, audio system with Speaker, and 10 KV online UPS was established in the Journals section of the Library at a cost of Rs 25 lakhs during the year 2014.

Book Fair 2014

The book exhibition for the financial year 2014-15 was organized from 16th - 18th September, 2014 at the Academic Centre, JIPMER. 10 nationally reputed book sellers from different states of India took part in the Book Exhibition. A total of 339 books were purchased for Central Library, Department Library and Book Bank for SC/ST students.

Proposals implemented during 2014-2015

Library Automation proposal was implemented during the year 2014. In addition to Computer Lab II, a Learning Resource Centre was also established in the Journals section of the Library during the year 2014.

<table>
<thead>
<tr>
<th>Statistics for the year 2014-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members</td>
</tr>
<tr>
<td>New members</td>
</tr>
<tr>
<td>Members issued No Due Certificate</td>
</tr>
<tr>
<td>User Statistics (Library)</td>
</tr>
<tr>
<td>Faculty</td>
</tr>
<tr>
<td>SRs, JRs</td>
</tr>
<tr>
<td>Students</td>
</tr>
<tr>
<td>Staff Members</td>
</tr>
<tr>
<td>Members from other institutes</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

User Statistics (Computer Centre)

<p>| Faculty | 103 |
| SRs, JRs| 1140 |</p>
<table>
<thead>
<tr>
<th>Students</th>
<th>1185</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Members</td>
<td>250</td>
</tr>
<tr>
<td>Total</td>
<td>2678</td>
</tr>
</tbody>
</table>

**Amount Spent (in Rupees)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books</td>
<td>19,69,135.00</td>
</tr>
<tr>
<td>Print &amp; Online Journals</td>
<td>86,26,880.00</td>
</tr>
<tr>
<td>Online databases</td>
<td>10,86,400.00</td>
</tr>
<tr>
<td>Computers</td>
<td>96,000.00</td>
</tr>
</tbody>
</table>

**Books**

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total No. of Books Available in Central Library – Reference &amp; Issue Books</td>
<td>8165</td>
</tr>
<tr>
<td>Total No. of Books Procured for Central Library/Department Library/Book Bank</td>
<td>339</td>
</tr>
<tr>
<td>Total no. of books condemned</td>
<td>Approx. 15,000</td>
</tr>
</tbody>
</table>

**Journal Subscriptions**

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total No. of Journals Subscribed</td>
<td>136</td>
</tr>
<tr>
<td>Online Databases</td>
<td>2 Nos (Proquest &amp; BMJ Online)</td>
</tr>
</tbody>
</table>

**Bound volume section**

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total no. of bound volumes</td>
<td>36025</td>
</tr>
<tr>
<td>New Bound Volumes added</td>
<td>1525</td>
</tr>
</tbody>
</table>

**Book Fair**

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Book Sellers</td>
<td>10</td>
</tr>
<tr>
<td>Value purchased</td>
<td>1969135</td>
</tr>
</tbody>
</table>

**Income earned under different headings**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overdue Penalty (Rs.)</td>
<td>1776</td>
</tr>
<tr>
<td>Book fair entry fee (Rs.)</td>
<td>1,00,000</td>
</tr>
</tbody>
</table>
CENTRAL STERILE SUPPLIES
DEPARTMENT (CSSD)

Administrative Hierarchy

Officer In-Charge : Dr. V. Sougoumarane
Supertime Administrative Grade

Background Information

The Central sterile supplies Department (CSSD) of JIPMER is one of the oldest department which caters to the need for medical devices (sterile items) for patient care, laboratory use and research to the entire hospital which includes the rural & urban health centers. Our supply includes the readymade processed single use disposable Items procured from firms such as syringes, gloves, masks & apron. Reprocessed items such as dressing materials & surgical trays. Prepared and packed items from wards are also received and sterilized. In addition Ventilator and costly equipment accessories are supplied after sterilization.

CSSD ODOMETER

Date of Commencement : 30th July, 1966
Place                              : Ground Floor, Pharmacy Block, JIPMER
Area : 12,000 Sq. Feet
Working Time : ( I- shift 7:30 AM to 4 PM) & ( II- shift 2 PM to 9 PM)

Name of staff posts and numbers:-

Office Staff:-

Officer In-charge - 1
Medical Officer - 1
DNS - 1
Store Keeper - 1

Packing Staff:-

Senior Technician - 1
Assistant - 10
Attendant - 12
MTS - 3

Auto Clave Staff:-

Sr. Technician - 1
Technician - 5
Assistant - 2
Electro mechanic - 1
Attendant - 1
Redeployed staff - Group IV employee - 2
MTS - 7

**Services provided with statistics of the year:-**
- Dressing Materials:– Around 70 dressing bins containing cotton, gauze, pads and surgical instruments are sterilized and supplied to all OTs and wards daily.
- Treatment trays:– (26 varieties) – 200 per day.
- Sterile items supplied for 42,000 operation per year or 120 operations per day.

**Equipments.**
- Steam sterilizer (Big Size) - 5 Nos.
- ETO sterilizer - 1 No.
- Plasma Sterilizer - 1 No.
CENTRAL STORES

Administrative Hierarchy

Officer In-Charge : Dr. Rajan Swain,
                    Chief Medical Officer (SAG)

Stores Officer : (currently vacant)

Stores Superintendent : (currently vacant)

Stock Verifiers-cum-superintendents (3) : (working in other departments)

Storekeepers (4)

MTS / Daily rated labour (2)

Background Information

The Central Stores procures and issues many items required for patient care as well as for use in various areas of the Hospital and the Institute. It also disposes of condemned items from the whole Institute and Hospital by public auction. It consists of the following units:

1) Sutures
2) Surgical items and sterilizing fluids
3) Furniture
4) Contingent and sanitary items
5) Condemnation

Services provided and statistics for the year

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SUTURES &amp; DISINFECTANTS</td>
</tr>
<tr>
<td>Non Plan</td>
<td>Sutures &amp; Disinfectants</td>
</tr>
<tr>
<td>Plan</td>
<td>Sutures &amp; Disinfectants</td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>Supply orders placed for the year 2014-15</td>
<td>4,71,54,879.00</td>
</tr>
<tr>
<td></td>
<td>SURGICAL ITEMS (Budget allocation common to CSSD &amp; Pharmacy)</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Non-Plan</td>
</tr>
<tr>
<td></td>
<td>Plan</td>
</tr>
<tr>
<td></td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td>Supply orders placed for the year 2014-15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>FURNITURE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Plan</td>
<td>Furniture Items</td>
<td>20,00,000.00</td>
</tr>
<tr>
<td></td>
<td>Plan</td>
<td>Furniture Items</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>20,00,000.00</td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td>Supply orders placed for the year 2014-15</td>
<td>19,49,345.00</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>CONTINGENT &amp; SANITARY ITEMS</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non Plan</td>
<td>Sanitary Items</td>
<td>18,00,000.00</td>
</tr>
<tr>
<td></td>
<td>Non Plan</td>
<td>Chappals</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Plan</td>
<td>Hospital Waste Management</td>
<td>20,00,000.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>41,00,000.00</td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td>Supply orders placed for the year 2013-14</td>
<td>0.00</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>CONDEMNATION AUCTION SALE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Costly &amp; Non-Costly</td>
<td>2,31,000.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>2,31,000.00</td>
<td></td>
</tr>
</tbody>
</table>
CENTRAL WORKSHOP

Faculty List :

Officer In-Charge : Shri.S.Ramanathan
Junior Engineer (Electrical)

Background Information

With the inception of JIPMER, the Central Workshop started with the primary objective of maintenance and repair of electrical, mechanical, carpentry and civil works of various departments. The Central Workshop caters to the needs of various departments and laboratories of JIPMER.

Name of Staff Post in Central Workshop

1. Electronic Assistant – 01 post
2. Store Keeper – 01 post
3. Senior Refrigeration Mechanic – 01 post
4. Mechanic – 01 post
5. Carpenter – 01 post
6. Electro Mechanic – 02 post
7. Refrigeration Mechanic – 01 post
8. Sheet metal maker – 01 post
9. Arc gas welder – 01 post
10. Painter – 01 post
11. Workshop attender – 02 post
12. Weaver – 01 post
13. Blacksmith – 01 post
14. Furniture Recanner – 01 post
15. Safaiwala – 01 post

Services Provided

The Central Workshop of JIPMER performs mainly the repair and maintenance of equipments/instruments used for medical education, scientific research, hospital and patient care services. In addition to the repair and maintenance, the fabrication works and procurement of new equipments/instruments are also carried out in the Central Workshop.

Repair and maintenance

The repairing of refrigerators, water coolers, deep freezer, trolleys, sterilizers, centrifuges, wooden items, re-canning of Chairs, BP apparatus, cots, cupboards, geysers, pedestal fans, carpentry works
such as making of writing boards, form rack, repairing of wooden racks, cup boards etc are being done in the Central Workshop.

**Fabrication Works**

Welding for trolleys, sterilizers, patient wheel chair, cots, cupboards, repairing of locks, making of new shafts for kitchen trolleys, changing of damaged wheels to the medicine trolleys, patient trolleys, wheel chairs, repairing of SS bins, file cabinet, etc. are being done in the Central Workshop.

**Store**

Machinery and equipments like lathe machine, grinding machine, drilling machine, arc & gas welding machine, saw machine, air compressor, pipe bending machine, sheet cutting machine etc. were kept available for day to day works of Central Workshop. The consumable and non consumable items for repairing and fabrication works are being purchased through annual open tender and maintained in a store room for day to day issue. The items like telephone instruments, geysers, water coolers, refrigerators, etc. are also being procured and issued through Central Workshop based on the requirements received from various departments of JIPMER.

**Statistics of the Year**

About 5000 repairing works were done in the year 2014-2015 in the Central Workshop of JIPMER. The total expenditure of the Central Workshop for the financial year 2014-2015 was Rs 4,28,102/-.

The expenditure has been mainly incurred on purchase of wheels, paints, telephone items, electrical spares, refrigerators, rod/welding components and Carpentry items (Plywood, mica).
DEPARTMENT OF DIETETICS

Administrative Hierarchy:

Department : Department of Dietetics (Hospital Kitchen)

Administrative control : Dr. Syed Habeebullah, Prof & Head, Dept. of Obst. & Gynaec & Officer- in-Charge of Dietetics
1. Mr. C.B. Unnikrishnan, Officer-in-charge
2. Mrs. Revathi Srinivasan, Senior Dietician.
3. Mrs. Madhavi, Senior Dietician

Background Information

Establishment of the department:

This is one of the oldest, essential and servicing departments and it is providing hygienic and healthy diet to all the inpatients. This department is supplying both therapeutic and normal diet to the patients. The food is cooked in hygienic manner using steam cooking.

Menu

The department is supplying a variety of healthy menu to the inpatients, diet for mothers of babies below 3 months admitted in pediatric ward and patients attending Pediatric Cancer OPD.

Food items supplied in the Department of Dietetics for various patients:

BREAKFAST : Multigrain bread/Pongal / Rava Kitchedi / Wheat Pongal / Broken Rice Upma Milk / coffee, butter/ Jam & Boiled Egg
1.00 A.M : Fruits, Milk, Veg. Soup, Ragi Porridge, Sour Lime, Mixed Cereal soya blend, Raw Egg and Biscuits

LUNCH : Raw Rice/ Boiled Rice, Vegetable Sambar, Vegetable Poriyal, Extra Poriyal, Greens, Curd Rice, Egg / Dal/ for high protein
3.00 P.M : Milk for children, Tea and Wheat Payasam for therapeutic and special diet., Rice Flakes (aval) Ball for children

DINNER : Raw Rice/Boiled Rice/ Wheat Rice/ idly, Sambar, Poriyal, Extra poriyal, Sundal, Curd etc.
8 P.M : Milk for children, therapeutic and special diet

- Cereals and Pulses mixed Laddu for children are given thrice a week
- Idly once a week
- Wheat Rice for diabetic patients
- Soya Milk Blend
- Special formula feed for F-75 & F-100
- BMT – 13
- 126-B

**Staff pattern**

Officer of overall In-Charge (Dietetics)
Officer-in-Charge
Senior Dietician (2 post)

**Other Staff:**
1. Dietician – 1
2. Junior Dietician - 8
3. Store keeper - 1
4. Steward – 2
5. Boiler Attendant -1
6. Boiler Attendant (Contract basis) – 2
7. Head Cook/ Senior Cook – 5
8. Cooks – 25
9. Helpers – 5
10. Peon - 1
11. Data Entry Operator - 1

**Service provided (2014-2015)**

Supply of nutritious health food for the in-patients of the hospital according to the daily needs of all patients.

Total number of in-patient diets = 1800 (approximately)

Old block = 450
Super specialty block = 350
WCH = 550
Rcc, ICU & Rcc Spl. = 80
Casuality = 200
ID, O2, PMRC –A & B = 170

**Types of diets prepared normally in hospital**

Normal Diet, Full Liquid Diet, Soft Diet, Bland Diet, Salt Restricted Diet, High Carbohydrate Diet, High Protein Diet, High Carbohydrate Low Protein Diet, High Carbohydrate Low Fat Diet, High Fiber Diet, Diabetic Diet, Diet for Burns Patients, Special Diet, Uremic Diet (Low Protein Diet), Low Residue Diet.
Academic Service Provided

Conducting regular nutrition classes for B.Sc., Nursing 1st year students with practical classes (weekly 4 classes). Number of nursing students trained in the year 2014-2015. (75 Nos.)

Classes were conducted for MRT/MRO trainees May & October 2014 Fresenius conducted certificate course on good nutrition practice, which is coordinated by dietician along Surgical Gastroenterology Department. Dieticians, Nurses and residents from various Department attended the classes

Diet Counseling for the Patients

- Monday and Tuesday – Diabetic clinic in OPD, SS block (600 patients per year App.)
- Monday and Friday – Nephrology OPD, SS Block (150 patients starting from December)
- Individual Diet advice to patients as directed by the doctors (both indoor and outdoor) – 700 patients per year (App.)
- Awareness program for diabetic patients in Endocrinology ward once or twice in a week
- Monday & Friday _Nephrology clinic in OPD SS block
- Regular ward rounds & diet counseling every day to needy patients.

Statistics of the year 2014-2015

- Total No. of in-patient is 5,68,872 for whom diet was supplied for the year 2014-2015
- Budget utilized/allocated for the year 2014-2015 is Rs.1,90,00,000/-

About 1800 diets are supplied daily

<table>
<thead>
<tr>
<th>Normal</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milk &amp; bread</td>
<td>30</td>
</tr>
<tr>
<td>Fluid diet</td>
<td>300</td>
</tr>
<tr>
<td>High protein diet</td>
<td>1015</td>
</tr>
<tr>
<td>Therapeutic diet</td>
<td>255</td>
</tr>
</tbody>
</table>

Significant Events

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Date</th>
<th>Events</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>17.05.2014</td>
<td>WORLD HYPERTENSION DAY</td>
<td>Senior dietician Mrs. Revathi Srinivasan delivered a talk for the workshop THE WORLD HYPERTENSION DAY organized by Medico -Socio wing</td>
</tr>
<tr>
<td>2.</td>
<td>10.07.2014</td>
<td>Holistic Health Care Workshop for Cancer patient and their caregivers</td>
<td>Caregivers of cancer child organized by Medico-socio wing, Venue: Conference hall, Nursing college Time: 9.00am to 4.00pm Senior dietician Mrs. Revathi Srinivasan delivered a talk for workshop titled Healthy eating and managing nutrition for children with cancer and their care givers</td>
</tr>
<tr>
<td>Date</td>
<td>Event Description</td>
<td>Details</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>19.07.2014</td>
<td>Poster Exhibition on Nutrition in Health &amp; Disease, Conducted by the Dept. of Dietetics, JIPMER</td>
<td>Senior dietician Mrs. Revathi Srinivasan welcomed public, staffs, students from nursing college, Bharathidasan college Senior Dietician Mrs. Madhavi delivered a talk on nutrition in health and disease</td>
<td></td>
</tr>
<tr>
<td>24.07.2014</td>
<td>Healthy Eating and managing nutrition for breast cancer women</td>
<td>Dietician R. Poonguzaly, delivered a talk for the workshop titled Healthy Eating and managing nutrition for breast cancer women organized by Medico - Socio wing Venue: Conference hall, Nursing college Time: 9.00 am to 1.00 pm</td>
<td></td>
</tr>
<tr>
<td>06.08.2014</td>
<td>Nutrition in Health &amp; Disease</td>
<td>Mrs Madhavi, Sr. Dietician, Dietetics department for Modular Teaching, Venue: Hunter Theatre Time: 2.30 - 4.30 pm</td>
<td></td>
</tr>
<tr>
<td>08.10.2014</td>
<td>World Heart Day</td>
<td>Awareness program for OP patient on Cardiovascular disease Chief guest: Dr. Balachander, Medical Superintendent, JIPMER Chief Guest inaugurated and released the pamphlets Speakers: Dr. Senthil Kumar, Cardiologist Mrs. Harinee, Junior Dietician Dr. Navasakthi, AYCTER/HLC Mrs. Jayalakshmi, MSW Venue: Pain Clinic OPD, SSB Time: 10 am - 11 am</td>
<td></td>
</tr>
<tr>
<td>14.11.2014</td>
<td>World Diabetes day</td>
<td>Awareness programme for in patients and public Chief Guest: Dr. Srinivasan - Senior Professor &amp; HOD of Surgery department Dr. Kadambari, Professor, Department of surgery Mrs Revathi Sr dietician Department of dietetics, JIPMER Venue: Surgery ward Time: 2.30 pm</td>
<td></td>
</tr>
<tr>
<td>13.01.2015</td>
<td>Dietetics day</td>
<td>Venue: Government primary school, Boorianpet, Puducherry Awareness program for school children theme “Healthy girls become Healthy mother” Mrs Revathi Srinivasan, Sr. Dietician, &amp; Mrs. Madhavi, Sr. Dietician, Jipmer</td>
<td></td>
</tr>
<tr>
<td>19.01.2015</td>
<td>Dietetics day</td>
<td>Venue: Government Higher Secondary School, Nonangkuppam, Puducherry Awareness programme for school students “Healthy girls become Healthy mother” Mrs Revathi Srinivasan Sr.Dietician, Mrs Madhavi Sr. Dietician, Dr Navasakthi Acyter/HLC Jipmer Puducherry</td>
<td></td>
</tr>
</tbody>
</table>
10. 12.03.2015  World Kidney Day  Venue: SSB entrance (Awareness programme-distribution of a cup of water)  All Dieticians, Department of Dietetics

11. 13.03.15  World Kidney Day  Venue: Nephrology OPD, Super Specialty Block  Awareness Programme for patients attending Nephrology OPD  
   Special guest: Dr. Balachander  Medical Superintendent, JIPMER  
   Medical management in kidney disease – Dr. Ezhilnilavan, Senior Resident, Department of Nephrology  

   Nutritional modification to be made in kidney disease  
   D. Uma Sankari, Junior Dietician, Department of Dietetics  
   
   Treatment, Adherence & psycho social aspects in kidney patients  
   Mrs. V. Chitrakala, Medical Social Worker  

   Pamphlet on diet in kidney disease were issued to the patients

**Other activities:**

Mrs. Madhavi, Senior Dietician attended “International SIOP-PODC Workshop on Nutrition in Children with Cancer.

Venue: Tata Memorial Hospital, Mumbai  
Date: 27th & 28th September, 2014

**Future plan:**

- Awareness programs to be conducted on good nutrition for all staffs and students monthly twice as an initiative to create healthy lifestyle within JIPMER
- Presentation on diet for non-communicable disease for staffs to be conducted monthly twice  
- To start PG. Diploma in Clinical Nutrition in future.  
- To indulge in research activities on nutrition and to present paper in various conference and seminars.
ENGINEERING DIVISION

Administrative Hierarchy:

Senior Professor and Head of the Department of Surgery till May 2014 : Dr. K. Srinivasan

Deputy Director (Admn) and Officer In-Charge of Engineering Division JIPMER from June 2014 : Shri J. Sankar

Background information

Engineering Division was set up to maintain the Hospital areas. It coordinates the maintenance work of the hospital area with CPWD and HLL, which is involved in the project work. Wherever the work was urgent or outside the ambit of the two major agencies, Engineering Division executed the work on its own by employing contract personnel. Engineering Division coordinated the request for additional installations with the HLL and CPWD. Checking of the estimates and progress reports sent by CPWD was done as a part of the routine work.

Names of the Staff(s) post and number(s)

Junior Engineer Civil - 2
Junior Engineers Electrical - 2
Junior Engineer Air conditioning - 1
MTS - 2

Services provided with statistics of the year

During Director’s rounds, rounds by the Engineers, and also on the basis of written complaints from various areas in the Old Hospital Blocks.

150 Complaints were forwarded to CPWD (Civil).
15 Complaints were forwarded to HLL (Civil Wing).
120 complaints were forwarded to CPWD (Electrical).
9 complaints were forwarded to HLL (Electrical Wing).

The complaints were followed up for necessary corrective action.

Apart from the above, Engineering Division executed the following works:

● Rewiring of Curie House for patient’s attenders’ shelter facility.
● Provision of Air conditioners to various faculties/ Administrative staff of JIPMER.
Servicing and refilling of 682 nos of fire extinguishers in the Old Hospital block, Administrative block, Auditorium and at Ancillary Services.

Installation of 22 numbers of water purifiers.

Servicing of 23 numbers of water purifiers.

Electrical upgradation works at Community Hall JIPMER

Provision of 4 numbers of Garden Umbrellas at the front yard of student cafeteria in JIPMER

Providing one No. MS angle frame with welded mesh closed cabin for storing oxygen and nitrous oxide cylinder on ground floor staircase area at Pharmacy Block JIPMER, Pondicherry.

Provision of fly proof mesh for all window in the Residential staff quarters at JIRHC, Ramanathapuram, Pondicherry

Construction of retaining wall with fencing arrangement in front of student’s Cafeteria at JIPMER, Puducherry

Addition/Alteration to separate the existing solar hot water line at old guest house in JIPMER

Provision of 4 No.s of wash basins and replacement of 1 No of door at community hall in JIPMER

Provision of new MS angle frame with welded mesh partition at attendant waiting area opposite to WCH in JIPMER

Supply of 40 Nos barrier guard to regulate the traffic in the JIPMER campus, Puducherry

Supply of 5000 Nos Information stickers to patient care service in the JIPMER campus, Puducherry

Carried out civil works in connection with SPANDAN 2014 at JIPMER

Renovations to dining Hall in Curie House at JIPMER (work in progress)

Repair and Renovation OLD CURIE HOUSE Toilets (GF, FF, SF, TF) and Reception area Aluminum partition (closed cabin) in JIPMER, Puducherry (work in progress)

Procurement of furniture items (SS dining table - 20 No.s and Hospital bench-40 No.s) to Curie House dining hall at JIPMER, Puducherry (work in progress)

Achievements/Significant events during the year.

Renovation of Curie house as “Partnership for People”

Vacation of Chennai guest house which was hired for ISEMT 2014 conference and celebrations during the golden jubilee year.

Preparation of name plate as a part of Crowd management system

Coordination in arrangement of Auditorium for O&M purpose.

Repair of existing damaged barrier guard in coordination with Central Workshop.
HINDI CELL AND OFFICIAL LANGUAGE IMPLEMENTATION

Administrative Hierarchy

Professor of Pathology & Officer-In-Charge : Surendra Kumar Verma
Senior Hindi Translator : N. Kamatchi
Junior Hindi Translator : V. Ranjith

Background information

Hindi Cell, from the very inception of this Institute is serving the cause of promotion and progressive use of the Official Language Hindi. It also strives for implementation of the Official Language policies of the Government of India. Hindi Cell does all the works related to translation from English to Hindi and vice-versa, as per requirements of the Official Language Act and Rules, along with the other duties as prescribed such as preparation of forms and documents in bilingual form, etc. Data base is being maintained for preparation of quarterly, half-yearly and Annual Reports indicating the progressive use of Hindi in the Institute, compilation is done and transmitted to the Ministry and Regional Implementation offices. The concept of inducting a teaching faculty as Officer-in-charge of Hindi Cell, was evolved recently, in the absence of Assistant Director, Official Language; Otherwise, as per the guidelines of Department of Official Language, Hindi Cell was being looked after for decades directly by the Head of office or OSD (Administration).

1. Staff Posts
2. Hindi Officer 1 (Vacant)
3. Senior Hindi Translator (SHT) 1
4. Junior Hindi Translator (JHT) 3 (2 Vacant)
5. Typist 1 (Vacant)
6. Data Entry Operator 1

Services provided with statistics

Hindi Library

This institute has a rich collection of Hindi books. More than two thousand books in Hindi on various subjects including technical, administrative matters and also on fiction are available in the Central Library and Hindi Cell. Every year new collection of Hindi books is also received from the Central Hindi Directorate, New Delhi. In addition, a number of magazines on official language are also received from other organizations which help in creating interest for learning Hindi.
Website of JIPMER in Hindi

Hindi version of Website of JIPMER (www.jipmer.edu) is updated periodically. On this Website information regarding JIPMER is available in Hindi. Preparation of Bilingual Website is one of the achievements as per the target of the Annual Programme issued by the Department of Official Language.

Hindi Translations

Hindi Cell undertakes the translation work of all the communications, such as Official Reports, Circulars, Office Memorandum, Standard Forms, Notifications, Performance Budget, Annual Report, Citizens Charter etc., and coordinates in issuing all in bilingual form (Hindi & English). It also translates and coordinates in making all the name boards, sign boards, rubber stamps, letter heads, logos, etc., in bilingual form. So far, more than 70 forms were received from MRD and Purchase Section and have been translated and nearly 200 standard forms were translated and available in bilingual form. The Hindi translation work of the Annual Report of the Institute for the year 2009-10, 2010-11, 2011-12, 2012-13 and 2013-14 was undertaken by Hindi Cell and more than 80% of translation assignment was completed indigenously by SHT and JHT with the support of Data Entry Operator and also outsourcing some portion of translation work.

Town Official Language Implementation Committee (TOLIC)

This Institute continued to function as Secretariat of the Town Official language Implementation Committee (TOLIC) of Puducherry and the Director of the Institute is designated as Chairman of this Committee since 1986. In accordance with the official language rules this committee was constituted for Official Language implementation in all the Offices of Central Government, Public sector/undertakings, including Banks and Insurance Corporation in Puducherry. The Official Language Implementation programme has its Regional Implementation Office (South-West) at Cochin, Kerala, under Department of Official Language (DOL), Ministry of Home Affairs (MHA), Government of India.

Apart from holding regular bi-annual meetings to review and monitor the implementation work, this Committee has several achievements and awards to its credit towards its contribution in promoting progressive use of official language in its member offices. It has the honour of receiving the award of ‘Rajbhasha Shield’ in the year 1986-87 and again in 1994-95 from DOL, MHA, Government of India for the commendable work in promoting Official language. It has set a high standard in its functioning and implemented several incentive schemes for promoting the use of Hindi in all offices in Puducherry and has been adjudged third among the TOLICs of southern west region in promoting Official language Implementation work.

Hindi Cell, JIPMER, is also extending co-operation to the member offices of Puducherry, Town Official Language Implementation Committee in connection with implementation of Official Language.

Important Events

Under the auspices of TOLIC, in the mark of Hindi day, every year Hindi Fortnight is celebrated at this institute during the month of September. This is a most popular annual event in connection with activities related to Official language. Several programmes and competitions in Hindi are organized and conducted during this occasion. Students of all schools, colleges and university of Pondicherry are also invited in addition to member offices for participation in the competitions. This innovative approach has made tremendous success in propagating and promoting Hindi. During the period under report Hindi fortnight was celebrated on behalf of TOLIC from 15.09.2014 to 30.09.2014. The details are as follows;
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Competition</th>
<th>Date</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sunder Likhavat</td>
<td>15.09.2014</td>
<td>60 (4 Level)</td>
</tr>
<tr>
<td>2</td>
<td>Shrut Lekhan</td>
<td>16.09.2014</td>
<td>14 (1 Level)</td>
</tr>
<tr>
<td>3</td>
<td>Shabda Sakthi Pratiyogita</td>
<td>16.09.2014</td>
<td>17 (1 Level)</td>
</tr>
<tr>
<td>4</td>
<td>Match the Pair</td>
<td>16.09.2014</td>
<td>17 (1 Level)</td>
</tr>
<tr>
<td>5</td>
<td>Masouda Lekhan</td>
<td>17.09.2014</td>
<td>04 (1 Level)</td>
</tr>
<tr>
<td>6</td>
<td>Translation Competition</td>
<td>17.09.2014</td>
<td>06 (1 Level)</td>
</tr>
<tr>
<td>7</td>
<td>Hindi Singing Competition</td>
<td>18.09.2014</td>
<td>30 (4 Level)</td>
</tr>
<tr>
<td>8</td>
<td>Quiz</td>
<td>19.09.2014</td>
<td>32 (3 Level)</td>
</tr>
<tr>
<td>9</td>
<td>Kavitha Path Pratiyogita</td>
<td>22.09.2014</td>
<td>61 (5 Level)</td>
</tr>
<tr>
<td>10</td>
<td>Power Point Presentation</td>
<td>23.09.2014</td>
<td>28 (2 Level)</td>
</tr>
<tr>
<td>11</td>
<td>Elocution Competition</td>
<td>24.09.2014</td>
<td>25 (3 Level)</td>
</tr>
<tr>
<td>12</td>
<td>Story Writing</td>
<td>29.09.2014</td>
<td>13 (2 Level)</td>
</tr>
<tr>
<td>13</td>
<td>Essay Competition</td>
<td>30.09.2014</td>
<td>25 (3 Level)</td>
</tr>
<tr>
<td>14</td>
<td>Variety Programme</td>
<td>08.10.2014</td>
<td>160 (2 Level)</td>
</tr>
</tbody>
</table>

**Total Number of Participants for all the competitions**

**PARTICIPANTS**

Educational Institutions:
(a) Schools - 316
(b) College and University - 57
2. Officers/Employees of member offices - 103
3. Wards of the employees of member offices - 16

Total 492

**PRIZES:**

I. 1. First Prize - 44
2. Second Prize - 48
3. Third Prize - 48
4. Consolation Prize - 54

II. Variety Programme - Shield

1. First Prize - 02
2. Second Prize - 03
3. Third Prize - 01
4. Consolation Prize - 02

III. RAJBHASHA SHIELD – (For member offices)

**AUTONOMOUS & UNDERTAKINGS CATEGORY**
Bharat Sanchar Nigam Limited - I Prize  
Gail India Limited - II Prize  
Jawahar Navodaya Vidyalaya - III Prize  
Kendriya Vidyalaya No.2 - III Prize  

**BANKS AND INSURANCE COMPANY CATEGORY**

Indian Bank - I Prize  
Canara Bank - II Prize  
Indian Overseas Bank - III Prize  

**CENTRAL GOVT. OFFICES CATEGORY**

Directorate of Census Operations - Special Prize  

**JIPMER Hindi Diwas / Week Celebrations - 2014**

HINDI DIWAS/ Week-2014 was observed as usual this year also and various competitions in Hindi were organized during the Celebrations for the staff members in connection with Hindi Diwas / Fortnight Celebrations during the month of September 2014. The details of the programme and competitions are as follows.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Competitions</th>
<th>Date</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sundar Likhavat</td>
<td>04.09.2014</td>
<td>54</td>
</tr>
<tr>
<td>2</td>
<td>Shrut Lekhan</td>
<td>04.09.2014</td>
<td>31</td>
</tr>
<tr>
<td>3</td>
<td>Match the pair</td>
<td>04.09.2014</td>
<td>38</td>
</tr>
<tr>
<td>4</td>
<td>Essay writing</td>
<td>05.09.2014</td>
<td>08</td>
</tr>
<tr>
<td>5</td>
<td>Masouda Lekhan</td>
<td>05.09.2014</td>
<td>05</td>
</tr>
<tr>
<td>6</td>
<td>Anuvad Pratiyogita</td>
<td>05.09.2014</td>
<td>11</td>
</tr>
<tr>
<td>7</td>
<td>Hindi Singing Competition</td>
<td>18.09.2014</td>
<td>11</td>
</tr>
<tr>
<td>8</td>
<td>Noting &amp; Drafting</td>
<td>14.09.2014</td>
<td>06</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>164</td>
</tr>
</tbody>
</table>

The Valedictory function was jointly held with that of the TOLIC Puducherry on 28-11-2014 at 3.30 P.M. in the JIPMER MINI AUDITORIUM, Academic Centre, IV Floor, Puducherry

**JIPMER Official Language Implementation Committee (JOLIC)**

As per the schedule of Official Language rules, JIPMER Official Language Implementation Committee (JOLIC) holds its meetings regularly at quarterly intervals. It reviews the progress and proposes steps to be taken for further improvement in the implementation work in the Institute. To meet the requirement of annual programme of Official language of GOI the computers in the Institute are having facility of Hindi software and also the facility to work in bilingual form.

**Hindi Teaching Scheme (HTS)**

This Institute is designated as centre for Hindi teaching under Department of Official Language, Ministry of Home Affairs, Government of India, with its regional office of Hindi Teaching Scheme.
(HTS) at Chennai. Recently, during June-July, 2011, the centre was upgraded as “Sub-Institute” under HTS and its establishment is under progress. Under the programme an Assistant Director (Bhasha) is posted by Department of Official Language (DOL), Ministry of Home Affairs (MHA), GOI, New Delhi. This caters to the need of Hindi teaching for all employees of Central Govt. Offices, Public Sector & autonomous bodies, Banks & Insurance Companies of Puducherry. This centre has a lecture theatre and a Hindi class room with the modern facility of audio-visual aids for Hindi teaching. During the year, apart from regular Hindi classes, contact programme for correspondence courses were also conducted, especially, during the periods when the Hindi Teacher or Pradhyapak was not posted under HTS. In addition to these set-ups workshops and training programmes in official language work, translations, Hindi typewriting etc. are regularly organized at this Institute. The position regarding training and the working knowledge of Hindi of the Officers and Staff working at various levels are maintained through a ‘training roster’. The number of staff members who have already been trained up to the level of Prabodh / Praveen / Pragya courses, and also who are yet to be trained in Hindi are sorted out and nominated by Administration in coordination with Hindi cell for each session of these courses. Incentives for acquiring working knowledge in Hindi, by passing the prescribed examinations, are sanctioned by respective administrative sections as per the eligibility of the candidates who passed examinations, following the norms prescribed by Government of India.

**Hindi Typing Training**

As per the assurance given to the Parliamentary Committee, 11 LDCs are yet to be trained in Hindi Typewriting. Hindi Cell initiated the works to enroll them in the training programme of the Hindi Teaching Scheme, through, DOL, Ministry of Home Affairs, New Delhi (Correspondence Course), and for the first time, JIPMER conducted Hindi Typewriting Examination at Puducherry. So far 24 staff members were trained in Hindi Typewriting.

**Hindi Training**

During the July, 2014 session, the staff members enrolled as regular candidates under the training courses conducted by Hindi Teaching Scheme, JIPMER and examinations were conducted by the month of November 2014, the details are as follows.

i) Prabodh - 28 staff members were passed
ii) Praveen - 07 staff members were passed
iii) Pragya - 04 staff members were passed

For January, 2015 session 102 staff members are nominated for Prabodh course, 50 staff members are nominated for Praveen course and 10 staff members are nominated for pragya Course.
Administrative Hierarchy:

- Accounts officer-in charge: Mr. A. Selvam
- Superintendent- Horticulture: Mr. S. Sakthivel
- Head gardener: Mr. V. Ayyanarappan
  Mr. R. Govindaraju

Introduction

Gardening is one of the fastest growing hobbies in our campus as well as residential areas. JIPMER with a geographical area of 197 acres is covered with buildings, gardens and few groves of forest trees. Each building has its own landscape for beautification and serenity. The greeneries give peace of mind to the patients as well as the campus residents.

Gardens are maintained in the following areas:

1. Opposite Admn block.
2. Vesalius square.
3. Opposite M.S Office
4. Library and Saraswathy statue
5. Dhanvantari statue (Nursery)
6. Main entrance.
7. Median.
8. Opposite to super specialty block and inside SSB.
9. Black well
10. Directors bungalow
11. Regional cancer centre
12. Nursing college and Hostel
13. Gandhi park
14. Guest house I and II
15. Community Hall
16. Auditorium
17. Reception, Dhinker statue
18. Women and children Hospital, In between IPD and WCH
19. Jipmer Academic center
20. Hostel complex and playground

**Staff pattern**

2 Head gardeners, 9 Assistant gardeners and 19 DRL are working to keep up the greenery in the entire campus.

**Services provided**

3. Development and maintenance of Water Fountain
5. Adopting micro irrigation system for conserving water (Sprinkler system)
6. Development of Topiary garden.
7. Development and maintenance of park.
8. Afforestation.
9. Training and pruning
10. Nursery development and maintenance.
11. Interior flower decoration.
12. Arrangement of flower vases, bouquets and floral Rangoli.
13. Cultivation of cut flower (Gladiolus, Chrysanthemum) and other Annuals.

**Statistics of the Year**

1. Flower vase arrangement - 3900 Nos in a Year
2. Bouquets - 90 Nos in a year
3. Interior stage decoration - 12 Times in a year
4. Wreath arrangements - 8nos in a year

**Achievements/Significance events**

**i. Advance Tools and Equipments**

1. Petrol chain saw - for training and pruning of trees.
2. Petrol Hedge trimmer- for edge cutting.
3. Electrical Hedge trimmer- for edge cutting.
4. Petrol Lawn mower- for Mowing Lawn
5. Battery operated sprayer- for spraying pesticides and fungicides.
6. Power tiller with truck- for transporting flower pots and manure.
7. Telescopic tree pruner(petrol)- for cutting tree branches from the ground.
8. Sprinkler double nozzle-for sprinkler system of irrigation.
9. Sprinkler irrigation system installed at Auditorium garden.
10. High mast illumination system fixed at Gandhi Park.
11. This department cultivating medicinal plants and supply to Phd students for undertaking Research work in our institute.(costus igneus and Tephrosia purpurea)
12. Chipper cum Shredder machine purchased for shredding the tree branches and then converted into compost for plants
13. Recently the department purchased two electrical lawn mowers

**ii. Water fountains.**

1. Opposite M.S office
2. Dhanvantari statue
3. Auditorium.
4. Women and children Hospital
5. JIPMER Academic center

**iii. Sprinkler System**

i. Opposite to MRD Garden
   ii. Nursing college
   iii. Mobile sprinkler at Different places
   iv. Auditorium Garden

IV. The Admn I staff organized tree plantation programme at behind the JAC nearly 40 saplings were planted and maintained by individuals.

V. Apart from the Afforestation, the department initiated separate compost pit for composting the Horticulture waste at behind the community hall

**Future plans**

1. To procure playing equipments for Gandhi Park.
2. Purchase of Ride on Lawn mower for cutting grass.
3. Purchase of Tractor with Truck for Transport purposes.
4. Purchase of solar powered motor pump for running sprinkler system of irrigation.
5. Development of Herbal garden inside the campus.
6. Conducting training programme to interested staffs, inmates of the campus regarding
   i) Ornamental Gardening, Home garden etc.
   ii) Integrated water management system
   iii) Projecting awareness movie inside the Gandhi Park for visitors
HOSTELS

HARVEY HOUSE-I, II & III

Warden : Dr. S. HABEEBULLAH
Senior Professor,
Department of Obst. & Gynae.

Deputy Warden : Dr. DEB DATTA BASU
Professor,
Department of Pathology.

Staff : Assistant House Keeper -1
Multi-tasking staff -1

HARVEY HOUSE – I

<table>
<thead>
<tr>
<th>Room Type</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>No of single rooms</td>
<td>200</td>
</tr>
<tr>
<td>No of double rooms</td>
<td>Nil</td>
</tr>
<tr>
<td>Reading room</td>
<td>1</td>
</tr>
<tr>
<td>Entertainment (TV) room</td>
<td>1</td>
</tr>
<tr>
<td>Common hall</td>
<td>1</td>
</tr>
<tr>
<td>Mess hall</td>
<td>1</td>
</tr>
<tr>
<td>Store rooms</td>
<td>7</td>
</tr>
<tr>
<td>Office room</td>
<td>1</td>
</tr>
<tr>
<td>Warden room</td>
<td>1</td>
</tr>
<tr>
<td>Staff room</td>
<td>1</td>
</tr>
<tr>
<td>Sport activities</td>
<td>1</td>
</tr>
<tr>
<td>CPWD Electrical</td>
<td>1</td>
</tr>
<tr>
<td>Dhobi</td>
<td>1</td>
</tr>
<tr>
<td>Internet centre</td>
<td>2</td>
</tr>
<tr>
<td>Xerox and Computer</td>
<td>1</td>
</tr>
<tr>
<td>Barber</td>
<td>1</td>
</tr>
</tbody>
</table>

Total No of rooms 200
No of inmates 141
### HARVEY HOUSE – II

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>No of single rooms</td>
<td>137</td>
</tr>
<tr>
<td>No of double rooms</td>
<td>Nil</td>
</tr>
<tr>
<td>Reading room</td>
<td>1</td>
</tr>
<tr>
<td>Entertainment(TV) room</td>
<td>1</td>
</tr>
<tr>
<td>Cyber cafe</td>
<td>2</td>
</tr>
<tr>
<td>Warden room</td>
<td>1</td>
</tr>
<tr>
<td>Office room</td>
<td>1</td>
</tr>
<tr>
<td>Visitor room</td>
<td>1</td>
</tr>
<tr>
<td>Dhobi</td>
<td>1</td>
</tr>
<tr>
<td>Barber</td>
<td>1</td>
</tr>
<tr>
<td>Pantry room</td>
<td>5</td>
</tr>
</tbody>
</table>

Total No of rooms: 137
Total No of inmates: 106

### HARVEY HOUSE – III

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>No of single rooms</td>
<td>40</td>
</tr>
<tr>
<td>No of married rooms(including JR/PG)</td>
<td>20</td>
</tr>
<tr>
<td>Recreation rooms</td>
<td>3</td>
</tr>
<tr>
<td>Laundry room</td>
<td>1</td>
</tr>
<tr>
<td>Office room</td>
<td>1</td>
</tr>
</tbody>
</table>

Total No of rooms: 60
No of inmates: 58

### LISTER HOUSE HOSTEL

- **Warden**: Dr. K.C. Premarajan, Professor
  Department of P & SM
- **Dy. Warden**: Dr. Zachariah Bobby
  Professor & Head,
  Department of Bio Chemistry
- **Staffs**:
  1. Sri. R.Ilangovane, L.D.C.
  3. DRL - 3 Nos
- **Private Security**: 3 Private Securities (8 hrs duty per security)
<table>
<thead>
<tr>
<th>TOTAL NO OF ROOMS - (All Double rooms)</th>
<th>Nos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOUBLE ROOMS</td>
<td></td>
</tr>
<tr>
<td>Ground floor  ( 6 + Main 10)</td>
<td>16</td>
</tr>
<tr>
<td>First floor   ( 6 + Main 10)</td>
<td>16</td>
</tr>
<tr>
<td>Second floor  ( 6 + Main 10)</td>
<td>16</td>
</tr>
<tr>
<td>Third floor   ( 6 + Main 10)</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total no. of double rooms.</strong></td>
<td><strong>64</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL NO OF ROOMS - (All Single rooms)</th>
<th>Nos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE ROOMS</td>
<td></td>
</tr>
<tr>
<td>Ground floor  Main</td>
<td>09</td>
</tr>
<tr>
<td>First floor   Main</td>
<td>15</td>
</tr>
<tr>
<td>Second floor  Main</td>
<td>15</td>
</tr>
<tr>
<td>Third floor   Main</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total no. of Single rooms.</strong></td>
<td><strong>54</strong></td>
</tr>
</tbody>
</table>

Total No. of Inmates : 81 Nos.

- Facilities: Reading Room No -117,  Entertainment ( T.V. Room ) 01,  Barber Shop Room No -120,  Laundry Room No- 118,  Lister Annex::Room No:101 to 104  Students Spandan Committee,  Campus Sanitary Room No- Room  No. 105 & 106,  Pensioners Association – Room No.123, JSRC-Room No-122, Housing Society Room No-109, JIPMER Consumer Co-Operative Stors Room No-107,108,113, JIPMER Students Sports Comity Room No -124,125,  Directors Cook Room No  119,

- Mess: Mess Dinning Hall - 01.

- Amount collected from the inmates whose are staying the hostel
  1. Hostel Deposit- Rs. 3,000/- refundable at the time of vacation.
  2. Establishment charge – Rs. 6,000/- per year - not refundable.

- Establishment Charges: Establishment charges of Rs.6, 000/- has been collected from each inmate per annum @ Rs. 500/- per month and the amounts has been deposited in the Bank of S.B.I. JIPMER Branch. Lister Hostel Account). The amount may have been utilized for daily papers, cable connection, etc.

- Room Rent: All Inmates of the hostel, are paying the room rent to the Cashier through the Estate Section after collecting the room particular slip from the Warden’s Office.

**Lister Mess Facility**

Name & address of the Contractor : M/s. T. Ravi
Life Foods Catering Services
No. 10, Mariamman Koil Street,
Kathirukamam, Pondicherry-9
Cell: 9442067067
- Mess Basic: Rs. 2000/- for Lister Mess Facility, per head per month.
- Terms and Conditions:
  - Mess Basic of Rs. 2000/- from each mess members will be collected by the Warden’s Office before 10th of every month in advance and deposit in the bank.
  - The mess period of one month is 11th of current month to 10th of next month.
  - As per the Mess Statement produce by the mess Contractor the mess amount will be settled to the Contractor middle of every month.
  - Mess membership card will be entered/issued in each month if mess members paid

**Osler House**

**1. Administrative Hierarchy**

WARDEN : Dr. K. C. Premarajan (Prof. of P & S.M)

Dy. WARDEN : Dr. Sriramkrishnamurthy (Associate Prof. of Paediatrics)

**Background Information**

<table>
<thead>
<tr>
<th>Details of Room</th>
<th>Allotted room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-operative stores</td>
<td>1 No. in Gr. Floor (D/Room)</td>
</tr>
<tr>
<td>Saloon</td>
<td>1 No. in Gr. Floor (S/Room)</td>
</tr>
<tr>
<td>Ironing</td>
<td>1 No. in Gr. Floor (D/Room)</td>
</tr>
<tr>
<td>Washing Machine installed (3 Nos.)</td>
<td>1 No. in Gr. Floor (D/Room)</td>
</tr>
<tr>
<td>Water cooler (6 Nos.)</td>
<td>In each floor veranda</td>
</tr>
<tr>
<td>Pantry – 6 Nos.</td>
<td>In each floor veranda</td>
</tr>
<tr>
<td>Store room (7 Nos.)</td>
<td>One In each floor &amp; two nos. in Gr. Floor.</td>
</tr>
<tr>
<td>Xerox facility (partition –left corner)</td>
<td>In Reception hall</td>
</tr>
</tbody>
</table>

Amount collected from the inmates whose are staying the hostel

1. Hostel Deposit- Rs. 3,000/- refundable at the time of vacation.
2. Establishment charge – Rs. 6,000/- per year - not refundable.

Establishment Charges: Establishment charges of Rs.6, 000/- has been

- Collected from each inmate per annum @ Rs. 500/- per month and the amounts has been deposited in the Bank of S.B.I. JIPMER Branch. (Men’s Hostel Account) The amount may have been utilized for one Office Assistant, Washing Machine operator, Gym DRL (DRL), IIInd Shift (DRL) daily papers, cable connection, etc.
Room Rent: All Inmates of the hostel, Hair dresser and Dry cleaner are paying the room rent to the Cashier through the Estate Section after collecting the room particular slip from the Warden’s Office.

Common Mess Facility : Name & address of the Contractor:
M/s. R.R.Caterers
No. 19, First floor Perungudi Shopping Complex, Facit Road Kandanchavadi, Chennai-600-096

Mess Basic : Rs. 2280/- (Rupees two thousand two hundred and eighty only) for Common Mess Facility, per head per month.

Terms and Conditions:
- Mess Basic of Rs. 2280/- from each mess members will be collected by the Warden’s Office before 10th of every month in advance and deposit in the bank.
- The mess period of one month is 11th of current month to 10th of next month.
- As per the Mess Statement produce by the mess Contractor the mess amount will be settled to the Contractor middle of every month.
- Mess membership card will be entered/issued in each month if mess members paid amount.
- Spandan: Cultural programs was held in Lister squire in the month of September -2013.
- Pre Graduation Day: Will be held in Lister squire every year.
- Osler House Committee for the year 2014-2015.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Post</th>
<th>Name of Student</th>
<th>Room Nos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Speaker</td>
<td>D.SREENIVASULU</td>
<td>524</td>
</tr>
<tr>
<td>2</td>
<td>General Secretary</td>
<td>BOOPENDRA SINGH</td>
<td>131</td>
</tr>
<tr>
<td>3</td>
<td>Treasurer</td>
<td>BALRAM MEENA</td>
<td>132</td>
</tr>
<tr>
<td>4</td>
<td>Mess Secretary Lister Mess</td>
<td>VIKRANT KUMAR</td>
<td>132</td>
</tr>
<tr>
<td>5</td>
<td>Mess Secretary Osler Mess</td>
<td>ADITYA PRASAR</td>
<td>222</td>
</tr>
<tr>
<td>6</td>
<td>Secretary for reading/entertainment room</td>
<td>DEVI PRASAD</td>
<td>123</td>
</tr>
<tr>
<td>7</td>
<td>Secretary for Games</td>
<td>MITHUN KUMAR JAISWAL</td>
<td>131</td>
</tr>
</tbody>
</table>

Names of Staff Post (s) and number (s)
- Upper Division Clerk – 1 (No)
- Lower division clerk – 1 (1)
- Multi Task Staff – 1 (No)
- Laundry Operator – 1 (No)

4. Services provided with statistics during the year: Nos. of students availing hostel facilities = 286
Allotment of rooms to the new admission for the course of MBBS at July only.
- Day to day complaint of Electrical & Civil from the inmates of the Osler House has done by the McClellan Pvt. Agency with effect from October-12 onwards.
Day to day sweeping/cleaning work of floor, rooms, surrounding of the hostel’s done by the G4S (Coolies)

**Blackwell House - I (P.G Students – Female)**

Warden : Dr. Latha Chaturvedula,  
Professor,  
Department of Obst & Gynaec.

Dy. Warden : Dr. Jharna Mandal,  
Asst. Professor,  
Department of Microbiology.

Staff : 1. Asst. Steward  
2. Peon

**APRIL 2014 to MARCH 2015:**

- Total Number of Inmates : 36
- Single Rooms : 56 Nos.
- Staff Room & Store Room : 02 Nos.
- Guest Rooms : 06 Nos.

No. of inmates vacated from April 2014 to March 2015 = 12 Nos.

**Mess:**
- This Hostel Mess is run by two Mess Secretaries every month.
- Caution Deposit: (Refundable):
- We collect Caution deposit of Rs. 3000/- per inmate at the time of joining.

**Establishment Charges:**
- Charge of Rs.6000/- per inmate/year is being collected towards Establishment.
  1. For paying the Salaries of Security personnel & Mess workers and for any kind of Maintenance works (Fridge, TV, Gas, Geyser & Cleaning work etc.).
  2. To Purchase equipment like TV, Fridge, Washing Machine, etc.

**Resident Ladies Hostel (Blackwell House – II)**

Warden : Dr. Latha Chaturvedula,  
Professor,  
Department of Obst & Gynaec.

Dy. Warden : Dr. Jharna Mandal,  
Asst. Professor,  
Department of Microbiology.

Staff : 1. Asst. Steward  
2. Peon

- Same Asst. Steward and Peon are working in Both the Hostels (Blackwell – I) and New Residents Hostel (Blackwell House - II)
APRIL 2014 to MARCH 2015:
Total Number of Inmates : 74
Single Rooms : 98 Nos.
Staff Room & Store Room : 02 Nos.
No. of inmates vacated from April 2014 to March 2015 = 21 Nos.
Mess: Inmates dine in Blackwell House - I.

- Caution Deposit: (Refundable): We collect one time Caution deposit of Rs. 3000/- per inmate at admission to this hostel.

Establishment Charges:
- Charge of Rs.6000/- per inmate/year is being collected towards Establishment.
- For paying the Salaries of Security personnel & Mess workers and for any kind of Maintenance works (Fridge, TV, Gas, Geyser & Cleaning work etc.)
- To Purchase equipment like TV, Fridge, Washing Machine, etc.,

CURIE HOUSE - I & CURIE HOUSE- II
WARDEN : Dr. LATHA CHATURVEDULA, Professor, Department of Obst., & Gynae.
DY. WARDEN : Dr. JHARNA MANDAL, Associate Professor, Department of Microbiology.
DY. WARDEN : Dr. SOUNDRAVALLI, Associate Professor, Department of Biochemistry.
STAFF : Lower Division Clerk
        Asst. Steward (Contract).

NEW LADIES HOSTEL- I STARTED FROM 25.07.12

CURIE HOUSE - I

<table>
<thead>
<tr>
<th>Rooms</th>
<th>Total No.</th>
<th>Occupied Students</th>
<th>Vacant Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Rooms</td>
<td>120</td>
<td>118</td>
<td>2</td>
</tr>
<tr>
<td>Double Rooms</td>
<td>101</td>
<td>109</td>
<td>39</td>
</tr>
</tbody>
</table>

These rooms allotted for the following facilities:
Office Room = 1 No.
Pantry = 6 Nos.
Laundry = 6 Nos.
Washing & Drying area = 12 Nos.
Dining room = 1 No.
TV Room = 1 No.
Recreation = 3 Nos.
Store room = 6 Nos.
The following are the occupants:

- M.B.B.S., B.Sc. & Project trainee. We also accommodate students who come for short term fellowship course.

**NEW LADIES HOSTEL - II STARTED FROM 10.02.12**

**CURIE HOUSE - II**

<table>
<thead>
<tr>
<th>Total No of Single rooms</th>
<th>Double rooms</th>
<th>Occupied Students</th>
<th>Vacant Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>123</td>
<td>Nil</td>
<td>116</td>
<td>7</td>
</tr>
</tbody>
</table>

These rooms allotted for the following facilities:

- Office Room = 1 No.
- Pantry = 4 Nos.
- Laundry = 4 Nos.
- Washing & Drying area = 6 Nos.
- Dining room = 1 No.
- TV Room = 1 No.
- Recreation = 1 No.
- Store room = 3 Nos.
- Study Room = 1 No.

The following are the occupants:

- M.B.B.S., Intern, M.Sc., Ph.Ds.. We also accommodate students who come for short term fellowship courses.

**MESS:**

- This hostel Common Mess is run by a contractor. Common Mess started from August 2012.

**Gymnasium:**

- For the purpose of recreation and physical fitness a gymnasium for boys and girls is available in the hostel complex.

**CAUTION: (Refundable):**

We collect Caution Deposit of Rs.3000/- per inmate at the time of joining.

**ESTABLISHMENT CHARGE (Non-Refundable)**

We are collecting Rs.6000/- per inmate/year from the Academic year 2010 towards establishment. It is utilized as follows:

- Buying equipment like TV, Fridge, Washing Machine & Induction stove etc. and their maintenance.
- Also utilized for conducting hostel day celebration and Diwali celebration.
- Money is utilized for maintenance of hostel.
NIGHTINGALE HOUSE
Administrative Hierarchy

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. M.J. KUMARI</td>
<td>Vice-Principal(Ag. Principal), College of Nursing, JIPMER</td>
</tr>
<tr>
<td>Mrs. D. VETRISELVI</td>
<td>Lecturer &amp; Faculty Incharge - Hostel (from 02.04.14 to 06.10.14)</td>
</tr>
<tr>
<td>Mrs. T. V. YAMUNA</td>
<td>Sister Tutor and Faculty Incharge- Hostel (from 07.10.14 to 31.03.15)</td>
</tr>
<tr>
<td>Ms. THIRUMATHI</td>
<td>Asst. Steward on contract basis(31.07.13 to 01.01.15)</td>
</tr>
<tr>
<td>Mrs. D. PREMALATHA</td>
<td>Asst. Steward on regular joined on 08.12.14</td>
</tr>
<tr>
<td>Securities,</td>
<td>DRL</td>
</tr>
<tr>
<td>Housekeeping Staff (G4S)</td>
<td>: 3 Nos. (Lady security)</td>
</tr>
<tr>
<td></td>
<td>: 3 Nos. (Female)</td>
</tr>
<tr>
<td></td>
<td>: 1 No. (Male)</td>
</tr>
</tbody>
</table>

Background information:-

- The Girls Hostel has been renamed as “NIGHTINGALE HOUSE” which is a four level building with 44,514 sq.ft., located within the JIPMER campus and just in front of the College of Nursing. The hostel has double and single rooms. The hostel’s ambience is highly conducive to pleasant learning and peaceful living within the campus.
- The hostel provides excellent living rooms, recreation (indoor & outdoor) facilities, sanitary facilities and good water supply for 24 hours. Hostel has adequate bathroom and toilet facilities. The Food for the hostel inmates is catered by Mess Contractor. Hostel has hygienic kitchen and dining hall with 100 seating capacity.

Names of Staff Post(s) and number(s)

<table>
<thead>
<tr>
<th>Designation</th>
<th>No. of Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistant Steward on contract basis (relieved on 01.01.15)</td>
<td>1</td>
</tr>
<tr>
<td>Assistant Steward on regular basis (joined on 08.12.14)</td>
<td>1</td>
</tr>
</tbody>
</table>
Names of Staff Post(s) and number(s)

Total Number of inmates in Nightingale house as on 31.03.2015=123
(Nursing Students-111 and other inmates-12)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Inmates</th>
<th>Nos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B.Sc.  Nursing I year</td>
<td>19</td>
</tr>
<tr>
<td>2</td>
<td>B.Sc.  Nursing II year</td>
<td>19</td>
</tr>
<tr>
<td>3</td>
<td>B.Sc.  Nursing III year</td>
<td>16</td>
</tr>
<tr>
<td>4</td>
<td>B.Sc.  Nursing IV year</td>
<td>34</td>
</tr>
<tr>
<td>5</td>
<td>M.Sc.  Nursing I year</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>M.Sc.  Nursing II year</td>
<td>12</td>
</tr>
<tr>
<td>7</td>
<td>Post Basic Diploma in Nursing</td>
<td>8</td>
</tr>
<tr>
<td>8</td>
<td>Other inmates</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>123</strong></td>
</tr>
</tbody>
</table>

GFATM Workshop participants are accommodated in 11 double rooms
(1-2 workshops per month)

**Achievements/Significant events during the year :**
Nil
JIPMER HEALTHY LIFESTYLE CENTER

Medical Superintendent,
Senior Professor of Cardiology &
HoD of Healthy Lifestyle Center, JIPMER : Dr. J. Balachander

Yoga Instructor : Dr. S. Navasakthi

Background Information

The Healthy Lifestyle Centre in JIPMER was established in the year 2007 with limited staff and equipment. It is situated in the Institute main block near M.S. office. It is well connected with the other Departments also. It is mainly concerned with the prevention, treatment and health education regarding Non Communicable Diseases (NCD). The Healthy Lifestyle Centre was merged with ACYTER, JIPMER from September 2014 onwards.

- Activities of the healthy lifestyle centre
- To promote healthy lifestyle among general public, staff and their dependents
- To counsel the patients about lifestyle modification
- To conduct staff wellness and police wellness Programme
- To provide therapeutic yoga therapy to the needy patients
- To provide consultation and physical examination for the patients referred to the Centre
- To conduct health promotion campaign and to create awareness among general public
- To give healthy dietary advice for needy people
- To conduct yoga classes for JIPMER staff, dependents and general public
- To conduct health education programme for diabetic and drug de-addiction patients
- To display permanent banner on different aspects of Non Communicable Diseases and other healthy lifestyle tips

STAFF POST

1. Yoga Instructor 1 (on Contract Basis)

PATIENTS CARE SERVICE

<table>
<thead>
<tr>
<th>DAYS</th>
<th>9.00 am to 11.40 am</th>
<th>12.00 pm to 1.00 pm (for General Public) (Near) M.S Office</th>
<th>3.00 pm to 3.45 pm (for General Public) (Near) M.S Office</th>
<th>4.00 pm to 4.30 pm (for Staff &amp; General Public) (Near) M.S Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Police Wellness Programme (Health Education &amp; yoga Therapy)</td>
<td>Yoga Therapy for Obesity</td>
<td>Yoga Therapy for General</td>
<td>Aerobic yoga</td>
</tr>
</tbody>
</table>

Jawaharlal Institute of Postgraduate Medical Education and Research
### Statistics from April 2014 to August 2014

<table>
<thead>
<tr>
<th>Month &amp; Year</th>
<th>No. of Patients Attended ( M denotes Male &amp; F denotes Female )</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OPD</td>
</tr>
<tr>
<td>April 2014</td>
<td>36 (M) 21 (F)</td>
</tr>
<tr>
<td>May 2014</td>
<td>41 (M) 32 (F)</td>
</tr>
<tr>
<td>Month</td>
<td>Males</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>June 2014</td>
<td>35 (M) 28 (F)</td>
</tr>
<tr>
<td>July 2014</td>
<td>37 (M) 21 (F)</td>
</tr>
<tr>
<td>Aug 2014</td>
<td>25 (M) 18 (F)</td>
</tr>
<tr>
<td>Total</td>
<td>174 (M) 120 (F)</td>
</tr>
</tbody>
</table>
JIPMER INFORMATION TECHNOLOGY SERVICES (JITS)

Administrative Hierarchy
Prof of Pharmacology &
Officer-in-charge of JITS : Dr. R. Raveendran

Background Information :
JIPMER Information Technology Services was formed in April 2013 integrating Hospital Information System (HIS), Administrative Information System (AIS) and Centre for Research and Academic Facilities and Training (CRAFT). JITS oversees all the IT requirements and IT services in JIPMER. It is governed by the JITS committee consisting of a core group and an advisory board. The members of the committee are:

The Core group
1. Dr. T.S. Ravikumar, Director Chairman
2. Dr. R.P. Swaminathan, Faculty (Admin) Vice-Chairman
3. Mr. J. Shankar, DDA Member
4. Mr. C.B. Unni Krishnan, Administrative Officer Member
5. Mr. James Terence Sekar, Registrar Member
6. Dr. S. Vivekanand, Professor in-charge (Examination) Member
7. Dr. Anita Rustagi, Addl. Medical Superintendent Member
8. Dr. Ravikumar Chittoria, Officer in-charge of Telemedicine Member
9. Dr. B.N. Harish, Officer in-charge of Library Member
10. Dr. Raja J Sundar S, Co-ordinator of Website Team Member
11. Dr. R. Raveendran, Officer in-charge of JITS Member-Secretary

The Advisory Board
1. Dr. A. Vasudevan Member
2. Dr. K. Manikandan Member
3. Dr. Rahul Dhodapkar Member
4. Dr. Nandini Pandit Member
5. Dr. J. Sarasu Member
6. Dr. M.S. Gopalakrishnan Member
7. Dr. Ashutosh Mukherjee Member
8. Mr. T. Mahalingam ((SUPERANNUATED ON 31-07-2014) Member
9. Mr. A.K. Satheesh Kumar Member

Jawaharlal Institute of Postgraduate Medical Education and Research
The elucidation and achievements of IT services in JIPMER through HIS, AIS & CRAFT are described below

**Hospital Information System Unit**

**Administrative Hierarchy:**

Dr. Anita Rustagi, Addl.Medical Superintendent & Officer-in-charge of HIS Unit

**Background Information**

- The Hospital Information System Unit (HISU) was formed to computerize the record-keeping of hospital and patients’ information and manage a network linking of entire hospital premises. The H.I.S network functions using a HMS (Hospital Management System) Software package that has been tailored to suit our hospital needs.
- SCO-Unix network maintenance is also being undertaken for maintaining of old patient’s demographic-data, ICD-Diagnostic, Old Histopathology(Biopsy) reports, Daily Hospital Census and generation bed occupancy by using multi-user SCO-Fox BASE+ for Hospital Research, Publications, as and when required by the administration, etc.
- H.I.S is responsible for the entire network connectivity throughout the hospital campus via RING TOPOLOGY based OFC cabling and UTP for both inter &intra building connectivity.
- Servers for DNS, DHCP,HIS Application , DATABASE, PACS/RIS ,Webserver are integrated and maintained under the server VLAN

**NAMES OF STAFF POST(s) and number(s):**

<table>
<thead>
<tr>
<th>Role</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support Engineer</td>
<td>1 No</td>
</tr>
<tr>
<td>M.R.T (NIC Certified)</td>
<td>1 No</td>
</tr>
<tr>
<td>M.R.C (NIC Certified)</td>
<td>1 No</td>
</tr>
<tr>
<td>M.T.S</td>
<td>3 Nos</td>
</tr>
<tr>
<td>Trainees</td>
<td>2 Nos</td>
</tr>
<tr>
<td>DRL</td>
<td>1 No</td>
</tr>
</tbody>
</table>

**Services provided with Statistics of the Year:**

The HMIS software services and enhanced software updates towards the execution of EHR (Electronic Health Record) are briefly described with the module & transaction name as follows

- Lab report header and footer have been moved from top to bottom.
- Pharmacy database porting was done from the excel sheet provided by JIPMER.
- Geographical wise IPD statistics was introduced
- OPD & IPD Billing module was incorporated
- Receipt and Refund Voucher modules were added with Billing
- Incomplete jobs with sample queue, Mapping of user id with default technician and reporting doctor in charge ,Central lab Work list module and Abnormal results flagging
- Provision for sample rejection ,Organ based investigation report feeding and retrieval  Clinical details can be accessed from LIS
• Sister’s examination, Drug Issue, Material Issue, Upload image for Discharge summary/OP Visit summary (Yet to Execute)

• HIS Web Portal was provided to access authorized lab reports

• Diet Requisition link into ward module & Confirm admission work flow was introduced

• GE PACS integration along with HIS – RIS integration (Generation of HL7 ADT message on event of Patient Registration) in addition to RIS Integration (few modifications)

• Upgraded Materials Management by porting masters from backend.

• Investigations Advise module from Clinical End & Favorites can be added for individual credentials in addition to the Clinical Data module.

• Prescription module has been incorporated

• Patient Image capturing has been added with IPD registration

• Organ categorization as per laboratories

• ICD 10 and SNOMED dropdowns has been provided for histopathology and cytology reporting screens, Critical Low and Critical High values can be configured for any investigation and Color coding as per the candidate values for an investigation parameter.

• Additional Enhancements for Asset Management System including MIS Reports.

• Staff Wellness module has been incorporated

• Single sign on facility has been provided for all the dependent application of Panacea on the home screen.

• Attender’s mobile capturing has been incorporated under IPD registration module

• Introduced Asset management system.

• Implemented the provision of capturing clinical details and generating online prescription in STAFF CLINIC.

• Introduced ‘Pharmacy Online indent transaction’ for all surgical dressing items.

**Achievements /Significant Events During The Year:**

**Wards and Hospital departments:**

• Generation of Online census generation

• Online implementation of Transfer IN & Transfer OUT details of admitted patients among all wards.

• The provision of clinical data capturing via HIS Application

• Maintenance and providing 24X7 support for 225 Computers and 211 Printers to Wards, OTs, ICUs, OPDs, Registration (MRD) and Ancillary Service Departments which was installed for accessing HMS application through HIS Network System.

**Tamil Nadu Chief Ministers Comprehensive Health Insurance Scheme:**

• Provided 15 Computers, 10 Multifunction/LaserJet Printers, 11 Multi-Scanners and 15 Digital Cameras for the scheme and maintaining the same.

• Implemented the provision of generating online pre-authorization form for the insurance claim.
Barcode Label Systems
- Implementation of barcode system for all the patients to avoid the mismatch of HOSPITAL ID while collecting the samples.
- Barcode Readers have been issued to Lab departments (Bio-Chemistry, Pathology & Microbiology) to access Barcode Labels in the wards, entering the clinical details, raising the investigations-advised form from the wards and entering the laboratory data in the labs.

Network and security
- HIS Network has been extended to Administrative Blocks (AIS Unit), S.S.B, W.C.H, JIPMER Auditorium and integrated with existing CRAFT Network.
- As a part of the hospital services, currently all the Network services have been managed through H.I.S Core Switch (L3 capable & core features)
- Distribution Switches (D-Link, L2 support) are installed at HIS, Old Ward Block (I Floor), SS Block, Special ward, Ground floor, 2nd floor, and 3rd floor of the old ward block. Connectivity between Core Switch and Distribution switches are of Fibre.
- Firewall Implementation and Authentication Access during the year
- FortiGATE 600c firewall features were renewed for three years upto 2017 and the Authentication based Internet Access was successfully tested.
- The auto failover for the Internet and VC was configured successfully through dead way detecting architecture.

AUGMENTATION PLANS:
- Consolidation of all servers with Physical and virtual cluster
- Campus-wide Wi-Fi Controller and secure Wi-Fi connectivity
- IP Phones features EPBAX and VC setup with MCU bridge
- Network Management software: The IT team relied on the single dashboard view to see the status of every device, and real-time alerts to catch problems early. Combined with reports to correlate network performance with network problems, the mostly generalist IT staff can optimize network performance
- Existing HMS-Software enhancements & customization as per user requirements
- Bio-metric System to avoid the duplication of registration
- Implement the Robust based Backup with tapes & disc with the Data recovery.
- Implement the Online Prescription & Distribution

Centre for Research and Academic Facilities and Training (CRAFT)

Administrative Hierarchy:
Dr. R. Raveendran, Prof of Pharmacology & Officer-in-charge of CRAFT

Background Information:
The Centre for Research and Academic Facilities and Training (CRAFT) caters to the information Technology (IT) needs of faculty members and the academic departments for carrying out research and other academic work. It is involved in supplying the hardware such as computers, printer and other
accessories to the academic departments, providing high speed internet connectivity and maintaining the official website of JIPMER and intranet.

**Names of Staff Posts and Number:**
- MTS - 1
- DRL - 1

**Services Provided:**
- Providing IT equipment such as computers, printers and accessories to academic departments, faculty members and common facilities/centers providing academic services.
- Providing Internet facility to academic departments, administrative and hospital sections of JIPMER, central library, nursing college and residential quarters in the JIPMER campus.
- Maintaining the JIPMER website www.jipmer.edu and www.jipmer.edu.in.
- Announcing the course application details, entrance examination schedules, hall ticket information and results and also purchase-tender information on the website.
- Institutional access to literature database services is being provided through the academic network.
- Providing Audio-Visual equipment to the academic departments.

**Statistics for the Year 2014–2015:**

The maintenance of 179 computers, 92 laser printers, 38 dot matrix printers, 38 LCD projectors and computer accessories of the academic departments. The biometrics for the staff attendance was started in phased manner and the employee details along with thumb impression were captured. Plagiarism checking and grammar checking applications were made available online. Reference Management software was made available on the network and widely used by the faculty members.

**Administrative information system**

**Administrative hierarchy:**
- Administrative Officer & Officer-in-charge of AIS Unit

**Background Information:**

Administrative Information System (AIS) caters to all administrative sections and is involved in Computerizing routine administrative affairs such as finance, purchase, inventory, man power Management, etc. It has four servers, 177 desktop systems (standalone terminals with network Connectivity), 72 laser printers, including three A3 and three multi-function printers, 60 dot matrix printers, one line matrix printer and seven heavy duty dot matrix printers, five photocopiers-cumprinters, 11 scanners, 103 UPS, 18 network switches, one IBM storage device of six TB capacity, four 12U racks, 15 laptops, five LCD projectors and one photocopier. New pay roll software has been provided to the pay bills section which is running smoothly. Installation of modular furniture and new workstations along with networking and intercom facilities in all sections of the Administrative Block has been done in the Bills Section, Accounts and Budget and Purchase Sections earlier has been started and will be completed within the next few months. Along with this up gradation, furnishing of the rooms of senior officers has also been done. The works for installation of comprehensive software for administrative, finance and purchase sections (to bring about e-governance in line with the IT policy of the Government of India)is going on in full swing and is expected to be completed within
the next few months. It is expected that within a period of 6 months to 1 year the renovation of the rooms and installation of the software will be completed and the Institute may be able to change over to IT enabled administration.

**Names of Staff Post(s) and Numbers**

A few of IT posts have been created by the Ministry during July 2013. Steps to fill up these posts have been taken and it is expected to be completed within a short while from now. The AIS Unit is presently having only one LDC, one trainee and one peon. All the software and hardware related maintenance works have been outsourced to various agencies through LAMC/CAMC.

**Services provided**

Administrative Information System Unit (AISU) is supporting the computerization of Administration, Establishment, Finance, Accounts and Education Sections. The important tasks undertaken by this unit so far is detailed below:

- Computerization of employee pay bills, GPF applications for withdrawals and advance, issue of sanction orders and preparation of bills, organization of nominal rolls as a part of preparation of Budget documents—RE and BE with effect from 1999, settlement of all arrears.
- Computerization of service matters of the employees, information and reports on the existing staff position, seniority lists, incumbency position, updating of various periodic reports, modification of Recruitment Rules and computerization of court cases replies and related matters.
- Bulk data entry and processing of applications for undergraduate and postgraduate admissions, conduct of entrance examinations, preparation of mark-sheet statements, provisional certificates, degree certificates, attendance and periodic/semester examinations results for students.
- Bilingual data entry for implementation of Hindi teaching and popularization schemes.
- Training programs for the MRD staff members of the Institute on computers were conducted by the AIS Unit during 2012–2013 and around 65 staff members were benefitted from the training.
- Plastic ID cards have been issued to the entire regular and contract staff of this Institute by this Unit.

**Significant Events:**

Comprehensive Software for Administration, Finance and Purchase, etc. have been successfully installed in all the sections of Administration and feedbacks or suggestions regarding modifications have been currently received from the user departments for fine-tuning of the software. Steps have been taken to provide additional computers, since the installation of modular furniture and networking facilities have been completed in almost all the sections of the Administrative Block. Process of issuing ID cards to all the staff of the Institute has been done in AIS Unit itself, instead of outsourcing. Supply order for the procurement of ID card printer has been received and delivery is awaited, for proceeding further in this direction.
LINEN AND LAUNDRY SECTION

LINEN SECTION

Administrative Hierarchy

Officers in Charge : Syed Habeebullah
                       Steven A Dkhar

Activities

This section purchase and distributes linen materials to hospital and institute. Maintaining stock for stitched items i.e. bed sheets, dhothis, patient saree etc., and issuing them to laundry as replacement following condemnation or to the wards to increase stock is done. Linen items (OT gown, OT vest, OT pyjama, patient gown, adult shirt etc.,) are stitched by the tailoring unit of this section. Purchasing and distribution of linen materials for uniforms to personnel (nursing attendant, security guard etc.) and coats for all doctors and aprons for technicians etc. is done. In addition to hospital needs, we also supply special stitched linen materials as and when needed for various academic, research and hospital activities.

Staff position:

- Storekeeper - 1 No
- Senior Tailor - 1 No
- Junior Tailor - 3 Nos
- Trainee - 1 No

Statistics

For the year 2014-2015

- Stitched items: 46,314 nos
  (bed sheet, dhothi & saree for patients)
- Unstitched items: 68,821 meters
  (popline, casement, kada etc.)
- Uniform items: Male – 272, Female – 102

Future plans

- New sewing machines to be procured for the tailor unit.
- Computerization of linen stocks.
- Increasing tailor recruitment and working area for tailors.
DEPARTMENT OF LAUNDRY

Officers in Charge : Dr. Steven A. Dkhar
Professor Of Pharmacology

Name of the Post and available Strength
1. Supervisor : 1
2. Store-Keeper : 1
3. Boiler Attendant : 2
4. Linen Master : 1
5. Head Operator : 1
6. Laundry Operator : 4
7. Multi Tasking Staff : 2

Background Information
1. Collecting soiled & wet linen materials from various wards located in old & new hospital. (Super speciality block, trauma care, RCC)
2. Collecting soiled & wet linen from OT’s
3. Washing the received soiled linen with help of hot steam by adding washing soda, bleaching powder, and soap chips. We are adding Dettol at the end of washing process.
4. All the washed linen items are completely squeezed with the help of Hydro extractor.
5. The squeezed linen items are shifted to drying yard for drying in the open sunlight.
6. The dried linen items are shifted to folding area for folding. While folding the torn linen will be separated from the good one for stitching.
7. After folding the linen will be packed and distributed to various wards & O.T’s at their door steps.
8. Linen condemnation is being done monthly twice. We will get replacement against our condemnation from linen store.
9. Laundry also receives soiled linen from various departments, labs for washing. The same will be washed and returned to them.

Statistics
1. Right now, we are supplying linen to 2144 beds including 195 I.C.Us (i.e. daily issue wards). The linen supply is made on alternative days to the rest of wards.
2. We are issuing linen to 29 OT tables.
3. For wards, we are issuing more than 3500 pcs per day. For OT’s we are supplying 3000 pcs per day (weekly average) with monthly turnover of around 1, 69,000 pcs.
4. **Equipments available:**

<table>
<thead>
<tr>
<th>Name of the equip.,</th>
<th>Capacity</th>
<th>Quantity available</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Washing machine</td>
<td>100 kgs</td>
<td>02 Nos</td>
</tr>
<tr>
<td>b. Washing machine</td>
<td>50 kgs</td>
<td>01 No</td>
</tr>
<tr>
<td>c. Washing machine</td>
<td>15 kgs</td>
<td>01 No</td>
</tr>
<tr>
<td>d. Hydro extractor</td>
<td>50 kgs</td>
<td>04 Nos</td>
</tr>
<tr>
<td>e. Boiler</td>
<td>0.5 ton</td>
<td>02 Nos</td>
</tr>
<tr>
<td>f. Drying chamber</td>
<td>160 Bed Sheet/hr</td>
<td>01 no (During rainy season only)</td>
</tr>
<tr>
<td>g. Drying tumblers</td>
<td>50 kgs</td>
<td>04 Nos</td>
</tr>
<tr>
<td>h. Sewing machine</td>
<td></td>
<td>02 No</td>
</tr>
</tbody>
</table>

**Achievements**

1. The existing setup of laundry in all aspects was designed only to meet out the workload of 850 bedded hospital; now the hospital bed strength has been increased to nearly 2144 beds. Even then, we are taking much effort to make prompt issue to various wards and OTs with available setup.

2. The present machinery has served more than 25 years, because of prompt maintenance of the equipment with nil breakdowns.

3. Now, we have got sanction to procure 2 ton Boiler for the financial year 2015-16 and construction of Boiler house is completed by CPWD.

**Future Plans**

1. To establish a linen bank in Jipmer. It will work on under “Give & Take” policy.
2. Procurement of new equipment to meet out the forth coming workload.
3. Computerization of the linen accounts.
5. Arranging a systematic testing of washed linen materials to ensure the proper washing.
6. Provision of air extraction system in the folding and washing area of laundry block to ensure a pollution free working environment.
7. We propose to setup a water recycling plant in laundry to cut down the water Consumption.
8. We propose to install a solar power plant in laundry to save the power and money.
9. We are planning to implement the OZONE treatment method in washing soiled linen.
MEDICAL ILLUSTRATION DIVISION (MID)

Administrative Hierachy

Officer in-charge : Dr. Anitha Rustogi, AMS

Background Information of the Department

Medical Illustration division was started in the year 1956. This is a centralized unit providing services to all the departments of the Institute and hospital. The Administrative execution is under the Department of Medical Education. The division has to section viz. Photography section and Artist section.

STAFF POSTS

Photography section

1. MID Supervisor 1 (Vacant)
2. Senior Photographer 1 (Vacant)
3. Medical Photographer 1
4. Photographer 2 (Vacant)
5. Dark Room Assistant 1
6. Safaiwala 1

Artist Section

1. Artist Technician 1 (Vacant)
2. Artist 2
3. Artist Attendant 1

Services Provided with Statistics

Photography section

- Clinical Photography for teaching and research.
- Photography of specimens.
- Recopying of presentations materials.
- Photography for official functions like Institute Day Sports day, VIP Visits.
- Photography for inauguration of new services, farewell functions, seminars and conferences.
- Photography for inauguration of new services, farewell functions, seminars and conferences.
- Maintenance of albums, negatives etc. for future references.
**Artist section**
- Clinical drawings
- Illustrations
- Posters and sign boards.
- Display arrangements for Medical Exhibition & Entrance Examinations.

**Statistics of the Year**
1. Institute functions : 232 Nos
2. JIPMER Scientific Society : 15 Nos
3. Passport photos : 20 Nos
4. Clinical and research photographs : 30 Nos
5. Issue of photography print : 361 Nos

**Artist Section**
1. Medical drawings Black & White : 20 nos
2. Medical Drawings colour : 15 Nos
3. Posters : 100 Nos
4. Banner : 02 Nos
5. Wooden board (Door sign board) : 22 Nos
6. Wooden board (Big size) : 06 Nos
7. Display arrangements : 250 Nos

**Significant Events in the Department**
- Conversion to digital photography

**Future Plans**
- Extension of digital photography
- Establishment of digital studio and videography
- Establishment of digital artist unit
MEDICO-SOCIAL SERVICES WING

Administrative Hierarchy

Medical Superintendent & Senior Professor : Dr. J. Balachander
Additional Medical Superintendent : Dr. Anita Rustagi
Social Service Officer : V. Chitraleka

Background Information

JIPMER, known for its service to the poor patients, has a well established Medico-Social Services Wing which primarily acts as a liaison department between patients and the hospital. There are 12 Medical Social Workers posted in various departments of JIPMER under the guidance and supervision of Social Service Officer. Health Education and Counseling play a crucial role for the patients having difficulty in following medical advice in order to get the best results of treatment.

Services Provided

As a centralized unit Medico-Social Services Wing at JIPMER Hospital functions with the following objectives:

- To deal with the patients’ social and psychological factors associated with cause, course and consequence of the illness;
- To contribute to the optimum rehabilitation (physical, medical and social) of the patients, and facilitate their reintegration into society;
- To strive for the promotion of health awareness among patients, their families and the community.
- To enable patients make the best use of the medical/rehabilitation services available in JIPMER and to help them secure maximum effectiveness of medical care.

Our services

- Psychosocial Assessment to evaluate the patient’s:
  - Understanding of the illness and treatment
  - Individual relationships and social support network;
  - Degree of distress and coping mechanisms;
  - Capacity to adapt to change;
  - Socio-economic situation.
- Counseling
  - To render help to patients and their families facing interpersonal, marital and adjustment problems that arise due to their illness, treatment or loss.
- Crisis Intervention
  - To deal with suicide survivors and victims of abuse or accidents and their families.

- Financial Assistance
  - Assess and assist the underprivileged patients meet their medical and non-medical needs through appropriate financial sources.

- Networking
  - Network with NGOs, Welfare organizations, Department of Police and other relevant organizations to obtain community support for patients and the hospital.

- Discharge care and planning
  - To help patients make a smooth transition from hospitalization to their routine life.

- Community Participation
  - To undertake home visits, school visits, visit to patient’s work place to establish patients’ coping capacity in their home, school and work environment, and to link them with other community resources wherever it is necessary.

- Support Groups
  - To facilitate support groups in which patients share their concerns in a supportive environment; some of these groups include patients with cancer, tuberculosis and diabetes besides de-addiction groups.

- Teaching
  - Supervision and training of Social Work Post Graduates from Pondicherry University and Universities from all over Tamil Nadu who undergo concurrent fieldwork training and block placement in JIPMER.

From the month of August 2014 all the Medical Social Workers were placed in their respective departments under the control of Head of the Departments. However Medico-Social Service Wing is functioning under Social Service Officer and the work done in the MSS Wing has been mentioned up to March 2015. The Statistics of the Medical Social Workers are available only from April 2014 to July 2014.

Achievements

1. Psychiatry treatment was arranged for a retired nursing staff. She had been roaming within the hospital campus for a long time and had been neglected by the family too. Subsequently she was placed in a rehabilitation centre at Trichy.

2. Educational sponsorship was arranged for a six year old girl through French Embassy. This girl is the daughter of a neurosurgery patient.

3. The Social Service Officer Mrs. Chiltraleka conducted counseling for school going children on the problems faced by the adolescent girls at Solidarite.

4. The Social Service Officer participated as a resource person for a discussion on Social aspects of Schizophrenia at Mother Theresa Post Graduate and Research Institute of Health Sciences College of Nursing on 13/08/2014 being World Mental Health Day.

5. The Social Service Officer conducted awareness programs in All India Radio on the topics: ‘Marital Discord and Mental Health’ and ‘Prevention of Cancer’
MEDICAL RECORDS DEPARTMENT (MRD)

Administrative Hierarchy

Additional Medical Superintendent and Head of the Department: Dr. Anita Rustagi

Officer In-charge*: Anandraj Mittisilla

Asst. Medical Records Officer: Mallika Kothandaraman

*G.D.M.O.

Introduction:

In JIPMER, the Medical Records Department has been introduced since the inception i.e. on April 1966. This Medical Records Department is a Centralized System for preserving the Medical Records of Out-patient as well as In-patient. By using the Unit Numbering System a single number is assigned to a new patient which is called Hospital Number. This number is common to all the department of the Hospital irrespective of whether the patient is out-patient or in-patient. There will be one series for both Male and Female out-patient section. The patient is provided only with a Hospital Number Card or Identity Card which should be retained by the patient. The same number is used by the patients for their subsequent visits for treatment.

Services Provided

Out-Patient Division:

- There were about 7,000 patients who JIPMER every day to nearly 38 specialties and more than 32 special clinics were introduced in the afternoon as per the schedule. The average admission per day is 230 and bed strength is 1855.

- The patients who are all coming for treatment at first visit, are categorized as New and Old. In New Case Registration counter, the Medical Record Personnels are obtaining the particulars from the patient’s sociological data and nature of illness. The same is fed into the computer, the printed Short Term Card/ Comprehensive Case Record (C.C.R.) with Identity card are issued to the patient with all the patients details. Short Term Card is for acute conditions or five spells of attendance and it is valid for one year only.

- The patients who have complaints related to Obst. Gynae. and other long term treatment cases like Tuberculosis, Cancer etc., are issued a C.C.R. directly which is valid for 5 years. If the patient is admitted, the same will be valid for 10 years.

- In case, the patients lose their ID cards, on the basis of the sociological data collected from the patient, the Hospital Number will be traced out from the Computer, they will be issued a duplicate ID card for their continuity and Immediate treatment by issuing old case record of the patient and directed for concerned services.
For the subsequent visits, the patient can get their record from the respective out-patient (counters) by submitting their ID card to the patient guides. The patient guide enters the Hospital number in Patient Guide Register, date and service, unit in the tracer card and provides the respective record to the concerned patient. After completion of OPD services/treatment/consultations, all the records are collected by the Medical Record Messengers and sorted by gender into Male and Female. The same records are arranged in a numerical order and filed in the permanent rack by the Medical Record Clerks by making necessary entry in the Incoming Register. So when the patient comes to Casualty (Emergency Medical Services) or OPD, the MRD Staff can issue the respective record immediately without any delay.

All the laboratory reports are received from the various departments or taking printout through computer and mounted in the respective Out-Patient records by the Medical Record Clerks at all the blocks of our hospital.

**In-Patient Division:**

The patients who get admitted to the wards, as in-patient, their out-patient records along with the admission order are sent to the Admission Room. Under the control of M.R.D., the Admission Room functions round the clock. In the admission room, every patient is assigned in-patient / MRD number for maintaining the in-patient records, the sociological datas verified and entered in the preliminary form and the same information is fed into the computer. The printout is taken in a set of forms such as admission record, case summary and Discharge Record, History & Physical Examination Record, Laboratory Master, Admission and Discharge Order and patient is then directed to the concerned ward.

Every day discharged records are collected by the Medical Record Technician / Clerk along with the previous day Ward Census Report which is prepared by the ward in-charge sisters. The In-patient records are sorted into Out-patient & In-patient. The photocopy of the case summary is attached in the in-patient record. The original is retained in the out-patient record for future referral purposes.

The in-patient records are assembled in a standard chronological order and deficiencies are listed in the deficiency check slip and kept for completion of records in the Doctor’s Conference Room. The In-patient records are analyzed in the discharge analysis desk for statistical purpose such as Total Admissions, Total Discharges, Consultation, Total Deaths (under 48 hrs, over 48 hrs) Death Percentage, Total Post Mortem, Average Hospital stay, Turn Over Interval, Bed Occupancy Rate, Infectious Disease analysis and results etc.,

The same report is submitted for monthly bulletin, the whole hospital statistics will be prepared by the Medical Record Personnel which is also submitted for Monthly Morbidity and Mortality Meetings. All the in-patient records are sorted into service, unit wise and kept in the respective cub-boards at the Doctor’s conference Room for completion of the records. All discharged records are completed by the treating doctor before sending to the coding desk.

After completion, the records are coded as per the ICD (WHO) and indexed, which enables us to retrieve the required information easily and quickly. All the records are sent to Complete Record Control Desk for verification whether the records are completed or not. If completed the same records are arranged into numerical order and filed in the permanent rack. The records are supplied for readmission purpose, study, thesis, publication, research purpose etc., the Medical Record Officer in-charge / Medical Record Officer is the Member Secretary of the Committee.

The Statistics and case records are supplied to the doctor for the attending Seminars/Conferences and their research and thesis purposes. Necessary information is provided to the Administration
as and when required for planning and other activities. Communicable and Non-communicable Diseases and Preventable disease details and monthly return are sent to the Public Health Agencies for Community intervention to take preventive and promotive measures.

- All the records are systematically classified and categorized for easy retrieval. All In-patient records including M.L.C. & Expired are preserved by the Medical Records Department.

**Central Admission Office**

Central admitting office functions round-the-clock. The staff members are posted to work on shift basis (24x7). This office is manned by the Medical Record Technician, Medical Record Clerk, Medical Record Attendant and Messengers.

**Reception (E.M.S. & Hospital)**

The Reception functions round the clock at Emergency Medical Services Block (i.e. Casualty) as well as ward block on shift duties which is controlled by the Medical Record Department. In Reception, all emergency cases, approximately 800/day are registered.

- Total Number of S.S.H.C. (Records issued) registered : 3,823
- Bar Code Stickers are issued to all the Staffs including existing staffs.

**Statistics**

Periodical daily, monthly statistical report are collected from various departments including RHC,UHC and Out Reach Centre Karaikal, the same is complied and analyzed for preparation of Hospital Statistical Bulletin, which are discussed in the Morbidity and Mortality or Medical Care Review Meeting. We also prepare various types of statistics for better patient care services this department is supplying information to higher authorities (i.e., such as Ministry of Health of State and Central, DGHS, Parliamentary Questions etc.,) . In addition to that, the communicable and non-communicable information collected from out-patient department and in-patient discharged records by day to day and is sent periodically to the state health authority as well as Regional Field Survey Unit, Bangalore.

**HIGHLIGHTED STATISTICAL INFORMATIONS FOR THE YEAR 2014 – 15**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Details</th>
<th>No. of Pts.,</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Total No. of Out Patients attendance</td>
<td>20,70,536</td>
</tr>
<tr>
<td>02</td>
<td>Total No. of Old Cases</td>
<td>15,14,861</td>
</tr>
<tr>
<td>03</td>
<td>Total No. of New Cases</td>
<td>5,55,675</td>
</tr>
<tr>
<td>04</td>
<td>Daily Average No. of Out Pt. attendance</td>
<td>7,019</td>
</tr>
<tr>
<td>05</td>
<td>Total No. of Out Pt. attendance in Casualties</td>
<td>2,86,255</td>
</tr>
<tr>
<td>06</td>
<td>Daily Average No. of Out Pt. attendance in casualties</td>
<td>784</td>
</tr>
<tr>
<td>07</td>
<td>No. of Out Pt. attendance in Main casualty</td>
<td>2,19,416</td>
</tr>
<tr>
<td>08</td>
<td>No. of Out Pt. attendance in O &amp; G casualty</td>
<td>25,788</td>
</tr>
<tr>
<td>09</td>
<td>No. of Out Pt. attendance in Pediatric casualty</td>
<td>41,051</td>
</tr>
<tr>
<td>10</td>
<td>Total No. of Admissions</td>
<td>83,780</td>
</tr>
<tr>
<td>11</td>
<td>Total No. of Discharges</td>
<td>80,449</td>
</tr>
</tbody>
</table>
Morbidity & Mortality Meetings

Three Morbidity & Mortality Meetings were conducted during the month of April, July and August 2014.

Medico-Legal Cases Registered:

<table>
<thead>
<tr>
<th>Total No. of MLC Cases</th>
<th>:</th>
<th>12,097</th>
</tr>
</thead>
<tbody>
<tr>
<td>With M.L.R.</td>
<td>:</td>
<td>5,187</td>
</tr>
<tr>
<td>Without M.L.R.</td>
<td>:</td>
<td>6,910</td>
</tr>
<tr>
<td>Total No. of Autopsies</td>
<td>:</td>
<td>898</td>
</tr>
<tr>
<td>Total No. of Medical Certificate Issued</td>
<td>:</td>
<td>2,236</td>
</tr>
<tr>
<td>Medico-Legal Case X-rays received and preserved</td>
<td>:</td>
<td>12,079</td>
</tr>
</tbody>
</table>
Court Attendance

A total of 50 summonses have attended by the Medical Record Personnel and Doctors at Pondicherry and Tamil Nadu.

a. Supply of Medical Records through RTI Act Tapals : 32
b. Supply of Medical Records for Health Department : 52

The following Staff Members were Undergone the following Training Courses:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Course</th>
<th>Conducted By</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Archive of Records</td>
<td>National Archive Dept. Govt. of India</td>
<td>One</td>
</tr>
<tr>
<td>2.</td>
<td>M.R.T. Course</td>
<td>CBHI, DGHS, New Delhi</td>
<td>One candidate for first batch Two candidate for second batch</td>
</tr>
</tbody>
</table>

Achievements / Significant Events:

a. Bar Code Sticker System implemented during the month of April 2014 to all the Out-patient and In-patient services of our Institute.

b. Digitization and Archiving of In-patient records work is done as ongoing process.

c. Supply of the digitized Medical Records online by providing the password (approximately 100 numbers) to all the HODs, Associate and Assistant Professors as well as Senior Residents since September 2014. Through this so far 418 case records were supplied.

d. “Life Time Achievement Award” given by the Health Record Officer Association to the Mrs. Mallika Kothandaraman, Asst. Medical Records Officer during the 15th Annual National Medical Records Conference “MEDRECON 15” on “Transformation of Health Information, Auditing, Legal Proceedings & Clinical Coding Systems” at Chettinad Health City on 6th & 7th March 2015.

e. The trainees are won the “first prize” by submitting the feedback on the 15th Annual National Medical Records Conference “MEDRECON 15” on “Transformation of Health Information, Auditing, Legal Proceedings & Clinical Coding Systems” at Chettinad Health City on 6th & 7th March 2015.

The staff members who participated in the Workshop / National level Medical Record Conferences / Half Yearly Review Meeting and presented the papers on Medical Records are as follows.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Workshop/Conference / Meeting 2013-14</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>MRT/MRO Selection Committee Meeting on 26th&amp; 27th May 2014 at CBHI HQ, New Delhi.</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>21st Half Yearly Review Meeting of all six FSUs, RHSTC Mohali, MRD &amp; TCs, Safdarjung Hospital, New Delhi &amp; JIPMER, Pondicherry held on 10th &amp; 11th JULY 2014 at New Delhi</td>
<td>3</td>
</tr>
<tr>
<td>3.</td>
<td>MRT/MRO Selection Committee Meeting on 26th&amp; 27th November 2014 at CBHI HQ, New Delhi.</td>
<td>1</td>
</tr>
</tbody>
</table>
4. 22nd Half Yearly Review Meeting of all six FSUs, RHSTC Mohali, MRD & TCs, Safdarjung Hospital, New Delhi & JIPMER, Pondicherry held on 27th & 28th January 2015 at Lucknow


The Orientation was given about the departmental functioning and Activities to the following:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Course</th>
<th>No. of Batch</th>
<th>Program conducted</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Interns</td>
<td>One</td>
<td>January 2015.</td>
</tr>
<tr>
<td>3</td>
<td>DM / MCH  First Year</td>
<td>Two</td>
<td>October 2014 February 2015.</td>
</tr>
<tr>
<td>4</td>
<td>Diploma in Medical Record Technology</td>
<td>One</td>
<td>September 2014.</td>
</tr>
</tbody>
</table>

**Education & Training Programme:**

Apart from the patient and physician services this department conducts training courses like six months duration of Medical Record Officer Course and Six month duration of Medical Record Technician Course. The Certificates and Diploma for the above courses are issued by the CBHI, DGHS under the Ministry of Health and Family Welfare, Govt. of India, New Delhi. The Selection of Candidates for the training courses is done by the CBHI, New Delhi. The candidates are admitted to these courses on deputation basis. Other than JIPMER institute Candidates are sanctioned (a) the entitle daily allowance as per Government of India Rules and as per S.R.S164 (3) (b) a fixed amount of Rs. 10,000/- per month as stipend for entire period of their respective training excluding the entitled TA/DA for journey period for joining these training courses and going back on completion of these trainings. And the following numbers of candidates successfully completed the course.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Course</th>
<th>Session</th>
<th>Number of Candidate Trained</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Medical Record Officer</td>
<td>January - June</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>July - December</td>
<td>9</td>
</tr>
<tr>
<td>2</td>
<td>Medical Record Technician</td>
<td>January - June</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>July - December</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>34</td>
</tr>
</tbody>
</table>

**Achievement**

- The trainees won the “first prize” by submitting the feedback on The 15th Annual National Medical Records Conference “MEDRECON 15” on “Transformation of Health Information, Auditing, Legal Proceedings & Clinical Coding Systems” at Chettinad Health City on 6th & 7th March 2015
Above all the trainees have successfully completed the MRO & MRT course and certificate issued by the CBHI, DGHS, New Delhi during the month of September’14 and March’15 respectively.

**Future Plan**

- **Complete Computerization**

- The hospital statistics will be generated through computer and entire department to be computerized and also gradually this department will function as a paperless department.

- This department has a plan to celebrate the “Golden Jubilee Day of Medical Records” by the month of March 2016.
Background Information:

The Nursing services started with the establishment of “Ecole de Medicine de Pondicherry” by the French government in the year 1823. However, in 1956 in consequence of the de facto transfer of Pondicherry, the medical college was taken over by the Indian government. Subsequently, the medical college was upgraded to become a Regional Centre and not to mention, it was renamed JIPMER on July 13, 1964. The staff pattern is given below:

<table>
<thead>
<tr>
<th>TOTAL NURSING SECTION</th>
<th>MAIN BLOCK</th>
<th>SSB BLOCK</th>
<th>WCH BLOCK</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.SUPTD</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>DNS</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>ANS</td>
<td>41</td>
<td>20</td>
<td>14</td>
<td>75</td>
</tr>
<tr>
<td>NURSING TUTOR</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>NURSING SISTER</td>
<td>149</td>
<td>117</td>
<td>58</td>
<td>341</td>
</tr>
<tr>
<td>STAFF NURSE FEMALE</td>
<td>250</td>
<td>178</td>
<td>215</td>
<td>647</td>
</tr>
<tr>
<td>STAFF NURSE MALE</td>
<td>122</td>
<td>100</td>
<td>19</td>
<td>248</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>1326</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Services Provided:

Nursing services are provided to all clinical departments in all blocks, viz. Trauma Care Centre, Super Specialty Block, Old Block, Regional Cancer Centre, Women and Children Hospital and Health centers at Kuruchikuppam and Ramanathapuram.

Nursing department renders special services during VIP visits, emergencies and so on. Nursing Superintendents and Deputy Nursing Superintendents are available round the clock as regards emergency calls. In addition, they also take part in programs conducted by College of Nursing, JIPMER.

The department also provides in-service education for all the nursing personnel, nursing students (Clinical classes) and also for MRD students regarding hospital census and record maintenance. Other training sessions conducted include OT technicians in OTs and Trauma Care students in EMSD. In addition, Nursing administration is taught to BSc final year students and clinical training services to our BSc Nursing (Interns).

Achievements / Significant Events:

At present, the Department of Nursing has three sections, viz. 1, 2 and 3, which are functional in three different blocks - the main block, SSB and WCH respectively.
Main Block
- Nursing Sisters and ANSs attended a class on Infection Control on April 19, 2014.
- Nursing staff participated in ‘Women Wellness Program’ on August 21, 2014.
- ‘Breast Self-Assessment Program’ – participation by nursing personnel from all sections at SSB, Conference hall.
- Nursing staff members participated in Self-Development Program, which was organized by MSc nursing students.
- Nursing personnel participated in Stress Release Program, which was organized by ACYTER, JIPMER.

Super Specialty Block
- Nursing staff attended a class on ‘Post-Operative Management and Infection Control following Open Heart Surgery’.
- All JCV staff attended an orientation called Management of Energy Device.
- A class on ‘Ostomy Wound Care’ was conducted for nursing personnel on November 8, 2014.
- Staff members from the department attended ‘Bone Marrow Transplantation Program’ on February 2, 2014.
- We participated in ‘Obesity Management Program’.

Women and Children Hospital
- Our staff members attended a conference on ‘Life art and Science in midwifery’ on April 11, 2014.
- Our staff participated in the Orientation and Training Program organized by Pondicherry AIDS Control Society.
- We celebrated NURSES DAY as well as JIPMER Golden Jubilee at Community hall on May 12, 2014.

Conferences, Workshop And CMEs attended by Staff Members
- Nurses attended “Pediatric Colorectal Surgical Live Operative Workshop” on July 5, 2014.
- Nursing staff attended the conference on “Ano-Rectal Disorder” from 18 to 19 July 14.
- Nursing Superintendents and ANSs attended GFATM at College of Nursing, JIPMER.
- Twenty senior nurses attended conference on Infection Control from March 21 to 25, 2015 at New Delhi.

Future Plan
- We are planning to conduct a CNE program/ Workshop (National Level) to keep up with the advancement in Nursing.
- Deputing / sponsoring nursing personnel for higher education in specialized areas to promote better care.
DEPARTMENT OF PHARMACY

Administrative Hierarchy

Officer-In-Charge of Pharmacy : Dr. R. Raveendran
Deputy Officer-In-Charge of Pharmacy : Dr. R. Kesavan
GDMO : Dr. Neelima Talari

Background Information Of The Department

The major activity of the department is to provide medicines to all the needy patients free of cost and taking all efforts to procure quality medicines at reasonable price.

The Department of Pharmacy consists of
1. Pharmacy office
2. Tablet Store
3. Injection Store
4. I.V. Fluids & Medical gas store
5. Chemicals stores
7. Sub store for IV fluids and surgical items at super speciality block
8. Pharmacies for dispensing drugs to the patients
   - The Out Patients Department Pharmacy
   - The Staff and Students Health Clinic Pharmacy
   - The Super Specialty Block Pharmacy
   - Regional Cancer Centre Pharmacy
   - Women & Children Hospital Pharmacy
   - 24hrs EMS (Emergency Medical Services) Pharmacy
9. Analytical lab

Budget allocation

The initial budget allotted to the pharmacy department for the year 2014-15 was 5.00 crores, but due to increased patient load, actual booking exceeded `13.58 crores.

Selection of Drugs

Selection of the drugs for dispensing to the patients is made to ensure maximum patient benefit at the most economical basis as per WHO Essential Medicines List guidelines. Medicines are accepted with mandatory documents like, copy of Manufacturing license and detailed product information.
specification including quality standards (I.P, B.P, and U.S.P), certificate of analysis, proper labeling, nomenclature and packaging. Original import license is mandatory for the products imported. All certificates and analytical reports of the drugs supplied are verified before dispensing them to the patients and quality control tests are done in the Analytical lab attached to the department.

**Procurement of Drugs**

The drugs for the distribution to the patients are purchased by e-tender process for transparency and the lowest rate quoted is selected and approved by the Drug Purchase and Utilization Monitoring Committee (DPUMC).

For emergency and specific requirements from the user departments for drugs which are not purchased and stocked in the pharmacy, local purchase is made which is monitored by the local drug purchase committee.

Now drugs which are required for the TNCMCHS patients are also procured by local purchase.

Pharmacy master procurement list consists of 998 drugs. This includes tablets, injections, I.V. fluids, surgical and dressing items, disinfectant fluids, chemicals, and medical gases.

**Staff Pattern**

<table>
<thead>
<tr>
<th>Position</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Officer-in-Charge of Pharmacy</td>
<td>1</td>
</tr>
<tr>
<td>Dy. Officer-in-Charge of Pharmacy</td>
<td>1</td>
</tr>
<tr>
<td>GDMO</td>
<td>1</td>
</tr>
<tr>
<td>Chief Pharmacist</td>
<td>1</td>
</tr>
<tr>
<td>Senior Pharmacists</td>
<td>10</td>
</tr>
<tr>
<td>Pharmacological Analyst</td>
<td>2</td>
</tr>
<tr>
<td>Pharmacists</td>
<td>30</td>
</tr>
<tr>
<td>Pharmacists (on Contract)</td>
<td>14</td>
</tr>
<tr>
<td>Upper Division Clerk</td>
<td>1</td>
</tr>
<tr>
<td>Data Entry Operator (on Contract)</td>
<td>1</td>
</tr>
<tr>
<td>Store keeper</td>
<td>1</td>
</tr>
<tr>
<td>MTS</td>
<td>2</td>
</tr>
<tr>
<td>Peon</td>
<td>1</td>
</tr>
<tr>
<td>Helpers</td>
<td>3</td>
</tr>
<tr>
<td>Coolies (DRL)</td>
<td>15</td>
</tr>
<tr>
<td>G4S</td>
<td>2</td>
</tr>
</tbody>
</table>

**Functions**

**Pharmacy Office**

The Pharmacy office is responsible for the general administration of the various sections. All the activities relating to the procurement and dispensing of drugs is managed by the office under the guidance of officer-in-charge of pharmacy. The Chief Pharmacist is supervising all the sections of the Pharmacy.
The following functions are carried out in the pharmacy office:

1. All the activities related to the tender process.
2. Preparation of supply orders against the proposals from the stores.
3. Liaison with the suppliers, vendors, head of the departments and purchase department.
4. All the issues relating to the drug license, spirit license and narcotic license.
5. Arrangements to convene the Drug Purchase Monitoring and Utilization committee (DPMUC) meetings and Local Drug Purchase committee meetings.
6. Issue of local purchase forms for the user departments and for TNCMCHS Patients.
7. Issue of ‘Not Available Certificates’ (NAC) for the staff members and their dependents.
8. Uploading the quality problems in the JIPMER web site
9. Periodical reporting about the narcotic items to the Assistant Commissioner, Food & Drugs Administration. Govt. of Puducherry.

**Tablet store**

About 220 drugs are available in Tablet store. One senior pharmacist and two pharmacists are posted along with 2 helpers. The average indent issue per week is 350. The drugs are issued to different wards and pharmacies on weekly basis. The purchase proposals, which are prepared based on the monthly requirement are sent to the pharmacy office for preparation of supply orders. Issue of Non availability certificates to the staff and students is done for the not -stocked drugs. Inventory control of drugs, receipt of drugs as per the supply orders and any quality and quantity issues found will be brought to the notice of the officer-in-charge for further action.

The top four costly drugs procured in 2014-15 are, Cap. Omeprazole 20mg ₹ 1685457, Beclomethasone rotacaps 200mcg ₹ 1502434, Tab. Capecitabine 500mg ₹ 1162613, Cap. Cyclosporine ₹ 1033781.

**Injection Store**

About 420 items available in injection store. One Sr. Pharmacist and two Pharmacists along with four helpers are posted in the injection stores. The average indents issued per week is 500. Injections are issued to different wards, operation theatres and emergency medical services on weekly basis. Non availability certificates are issued to the SSHC beneficiaries. Inventory control of drugs, receipt of drugs as per the supply orders and any quality and quantity issues found will be brought to the notice of the officer-in-charge for further action.

The top seven costly drugs procured in the year of 2014-15, were Inj. Human cryoprecipitated anti-haemophilic Factor-VIII lyophilized monoclonal purified 250 IU ₹ 7804352.00, Inj. Meropenem 1gm ₹ 4146070, Inj. Human Insulin 70% Zinc+30% Neutral 400 IU 10ml made by rDNA technology ₹ 4592973, Inj. Human IV gammaglobulin 5gm/100ml ₹ 4890525.00, Inj. Anti-snake venom (polyvalent) serum –10ml ₹ 3722796.

Eight narcotic drugs are available in the injection stores. These drugs will be issued only against the special dangerous drug indent, duly signed by the head of the dept/consultant which is verified with the specimen signature available in the pharmacy. The narcotic drugs are purchased from the authorized firms after obtaining special permission from excise department. The top narcotic drug procured was Tablet Morphine for ₹612835 in the year 2014-15.
I.V. Fluids and Medical Gas Store

The IV fluids and medical gas store is managed by a Senior Pharmacist and one Pharmacist. On an average 30 IV. Fluid formulations are available in the stores along with 500 numbers A & B Type cylinders for Oxygen and Nitrous oxide cylinders. The average number of Indents per week is 100 for IV fluids and 70 for medical gas cylinders. The top two items purchased were Inj. Sodium Chloride ₹ 8133254, Continuous ambulatory dialysis fluid 1.5% (with asymmetric Y) 2 ltrs bag ₹ 3406080 in the year 2014-15.

Cold Storage

Four walk-in coolers are available for storing life saving drugs/vaccines at the recommended temperature range in order to provide potent and effective life saving drugs/vaccines to the patients. There are 80 lifesaving drugs stored in the walk-in-coolers.

Stents and Devices

Different types of Stents required by the cardiology department are stocked in the Pharmacy stores and distributed on request to Cardiology.

Surgical Store

Sixteen different surgical items are available in surgical store. The issue is done once in a week. The average number of indents filled per week is 100. 57725 rolls of 500gm net weight cotton were procured for the year of 2014-2015 with the value of ₹ 61,09230.

Disinfectant Store

Fifteen disinfectant solutions and 61 chemical formulations are available in the store. On an average, 180 indents are issued per week. Lysol was procured for ₹ 1323800.

Local purchase

Any life saving drug or essential drug which is not stocked in hospital pharmacy or not quoted in the tender or not listed in the tender and drugs for TNCMCHS is procured through the local purchase procedure by entering into rate contract with local chemists through local tender. The selection of firms will be approved by the Local Drug Purchase Committee. The drugs will be purchased only after obtaining the financial sanction from the Medical Superintendent and Director as per GFR. A sum of ₹ 27,34,107 was utilized for local purchase of drugs for the year 2014-15. A senior pharmacist posted in the pharmacy office is in charge of local purchase.

TNCMCHI Scheme

(Tamil Nadu Chief Minister Comprehensive Health Insurance Scheme)

For the patients undergoing treatment under TNCMCHI scheme, drugs are purchased under Local Purchase and cost of purchase is reimbursed to the institute by the insurance firm. A sum of ₹ 16,58,856 was utilized for the above scheme, for the year 2014-15.

Preparation and Analytical wing

Fifty different preparations are prepared in this section most of which are not available in the open market. Some preparations are also prepared based on the request from the user departments. The annual budget for this section is approximately 6 lakhs per year. Some of the preparations prepared are Lugol’s Iodine, Shohl’s solution, Joules solution, Eusol, Glycerin tannic acid, Mag sulph glycerin, Ointments like Sulphur Ointment, Salicylic Acid Ointment, Zinc Oxide Ointment and Whitfield Ointment.
Analytical Lab to test quality of drugs is being established in JIPMER and Two Pharmacological Analysts are posted.

**OPD Pharmacy**

125 drugs and 50 different ointments, lotions, liniment, ear drops, mixtures, syrups, and solutions which are prepared by hospital pharmacy preparation section are available in the OPD pharmacy for the patients attending Medicine, Surgery, ENT, Psychiatry, Skin Ophthalmology, Orthopedics, Pulmonary Medicine Outpatient Departments and the special Clinics like HIV, Geriatric, Allergy, De-addiction, Hematology. Drugs are dispensed to an average of 3000 patients daily. Drugs are issued for 4/5 days to all patients attending the OPD’s and for 30 days for special clinic patients, tuberculosis and leprosy patients. Regular drug counseling is given to the needy patients. Every month the list of available drugs is being circulated to all OPD’s. It is managed by 1 Senior Pharmacist, 9 pharmacists and 4 Contract Pharmacists along with 4 helpers.

**Staff and Students Health Clinic Pharmacy (SSHC)**

The staff and students pharmacy dispenses drugs to patients attending Staff and Students Health Clinic. 200 drugs are available in the staff pharmacy. Drugs are issued for 30 days for follow-up clinic patients and for 5 days for the OPD patients. The average attendance per day is around 300. The SSHC beneficiaries are entitled for the reimbursement of drugs which are not available or not stocked in JIPMER pharmacy.

**Super Specialty Block Pharmacy (SSB Pharmacy )**

127 drugs are available in this section. Drugs are dispensed to the patients attending super speciality clinics of Neurology, Neurosurgery, Plastic surgery, Urology, Nephrology, Clinical Immunology, Cardiology, Cardiothoracic and vascular surgery, Diabetic, Medical Gastroenterology, Surgical Gastroenterology. The average patient attendance is 2500 per day. It is managed by 1 Senior Pharmacist, 5 pharmacists and 7 contract pharmacists. Besides dispensing drugs, counseling is also being given to the needy patients. Drugs are issued to the above patients for 30 days.

**Sub store in SS Block**

The sub-store is managed by the pharmacists of super speciality pharmacy for issue of surgical items and IV fluids for the wards of the super speciality block WCH & RCC Blocks once in a week.

**RCC Pharmacy**

114 drugs are available in the pharmacy where drugs are dispensed to the patients attending the Radiation Oncology, Medical Oncology, RCC-ICU, and Surgical Oncology. The chemotherapy injections and drugs are issued to the patients as per the advice of the oncologist. The pharmacy is managed by one Senior pharmacist and Two pharmacists. Most of the lifesaving anti-cancer drugs like cisplatin, Granulocyte colony stimulating factor (G-CSF), cyclophosphamide, 5-fluorouracil, doxorubicin gemcitabine and bone marrow transplant drugs are dispensed to the patients.

**WCH Pharmacy**

Women and Children Hospital Pharmacy is functioning in WCH block. 192 drugs are available in this pharmacy which dispenses drugs to the patients attending Paediatric, Neonatal, Ob&Gyn. OPD’s & clinics like Paediatric diabetic, Nephrology, Cardiology, Neurology, TB, Antenatal, Paediatric Guidance, Gastroenterology. The pharmacy is managed by one senior pharmacist and two pharmacists.
24 hours EMS Pharmacy

24 hrs Pharmacy started to function from 01.07.2014 for issuing drugs round the clock to the patients attending EMS & EMS at the WCH. One pharmacist is posted per shift with 3 shifts for a day.

Statistics of the year 2014-15

- Average patient attendance per day: 5900
- Total number of drugs procured: 900
- Annual expenditure booked: ₹ 13.58 crore
- Drugs purchased through Local Purchase: ₹ 27,34,107

Achievements/ Significant Events

Online indenting

Online indenting was implemented for the Surgical dressing items, Disinfectants and IV fluids. For Tablets and Injections online indenting is planned in the current year.

Program for the Pharmacists

A one-day development program for Pharmacists, Continuing Pharmacy Education Programme (C.P.E) is scheduled on the 4th Sunday of every month for the pharmacists of GH & JIPMER with a specific topic every month.

Issue of Drugs

Drugs are issued free of cost to the patients attending OPDs (30 days), special clinics, general ward, and in-patients. For the year 2014-15, the initial budget allotted for drugs was ₹ 5 crores and ₹ 13.58 crores (Including Local Purchase) was utilised till March 2015.

Free insulin

Every week 1700 vials of insulin are being issued to the patients attending the diabetic clinic. The annual consumption of insulin is 59850 vials. The financial sanction for insulin is ₹ 45, 92, 973

Drug counselling

In the OPD and the super specialty pharmacy counselling is being given to the patients. Counselling is given regarding dose, administration, avoiding drug-drug interaction, drug-food interaction, and how to handle rota halers. At least 30 patients are benefited every day.

Issue of Speciality Clinic Drugs

Drugs for special clinics like Neurology, Neurosurgery, Plastic Surgery, Neonatology, Urology, Nephrology, Clinical Immunology, Cardiology, Cardiothoracic, Vascular Surgery, Diabetic, Medical Gastroenterology, and Surgical Gastroenterology are issued on monthly basis. Due to availability of drugs throughout the year the above clinics are popular among the patient population in and around Puducherry.

Maintaining quality standards

The Department of Pharmacy is giving utmost importance to the quality of the drug issued to the patients. Upon receipt of the drugs from the suppliers, the laboratory reports submitted by the companies are verified for the genuineness and samples are drawn randomly and sent for analysis in the analytical lab. All the issues relating to drug content, standards, packing, expiry and any obvious
changes like discoloration, dampness or moisture in the packing, missing pills, crumbled pills, improper reconstitution of powders for injection etc. are monitored by the pharmacists and if any quality problem is found, it is brought to the notice of the officer-in-charge. The company is directed to give explanation for the issue and the product is rejected if the explanation is not satisfactory.

**Cold Chain Management**

The drugs which are received by cold chain are directly stored in the walk-in-coolers till the drug reaches the end user. The walk-in-coolers are monitored regularly for the temperature settings. Life saving drugs like insulin, anti-cancer drugs, vaccines and sera, anti-thrombolytic agents are presently stored.

**Future Plans**

For better management of different sections of the department and improvement of patient care services, a proposal was submitted to construct a separate pharmacy block consisting of pharmacy office, stores, dispensing pharmacies and other pharmacy related services.

To establish a world class ‘Drug Testing Laboratory’ along with Pharmaceutical Research Institute.
BACKGROUND INFORMATION

The department of Printing and Stationery was started in the year 1967 with 3 staff. Now this department has strength of 16 staff and a Manager.

The productivity shop-floor and the stationery wing is coordinated and controlled by the Manager Press Shri.K.M.Selvakumar since December 2014.

STAFF PATTERN

At present the department is headed by the Manager. Apart from that one Store Keeper, one Proof Reader, one Offset Machine Operator, two Machine Operators, one Gestetner Operator, one Compositor, one Composer, one Gr-1 Binder, three Book Binders, two Daftry, one Safaiwala who is doing the work of binding section under redeployment scheme are the other staff of this department.

SERVICES

The main task of this productivity unit is to print and supply various forms for smooth run of Institute and Hospital in connection with the patient care services. All registers which are the prime needs of this Institute are also supplied by the binding units of this department.

This department is also coordinating supply of forms and stationeries to the Academic wing especially Examination wing and Institute calendar every year in multi colour. Apart from all these activities utmost care is taken in supplying of Rubber Stamps in Hindi & English and displaying Vinyl Board to the whole Institute and Hospital.

Stationery division procures and supplies various stationery items which are required for the day to day functioning of the Institute and Hospital.

STATISTICS OF THE YEAR

About 1 crore of Patient Care forms in 75 different kinds are supplied to Medical Records Department, other Clinical services and administrative sections.

ACHIEVEMENTS/SIGNIFICANT EVENTS IN THE DEPARTMENT

Previously most of the printing work was carried at Government of India Press, Coimbatore and Calcutta. In recent years 90% of our need is fulfilled by this department. The orthodox method is shortly vanishing and new trends/process is entering step by step. This year the department had Printed and Bounded 1000nos of Service Book containing 120 pages - supplied in time; earlier it was purchased from outside.

The Printing House is equipped with one Heavy Duty Platen Machine, one Sheet-fed Offset Machine, one Automatic Paper Cutting Machine, one Digital Copy Printer and so on.

FUTURE PLANS

The latest machinery and manpower has to be added to this department for better service of this Institute. The need of this Institute will be very high in the forthcoming years due to the gigantic development of this institute.
REPORT ON THE BENEFIT FOR THE PERSONS WITH DISABILITIES

Administration:

Deputy Director: J. Sankar

JIPMER, Puducherry has become an Institution of National Importance by an Act of Parliament with effect from 14.07.2008. The Institute is following the orders/instructions/guidelines of the Government in so far as all matters including reservation in employment with regard to benefits for the persons with disabilities. Hence the Institute has not made any separate policy decisions on the subject matter.

The Institute is imparting courses in Medical Education and Allied Courses. Reservation is provided to persons with disabilities in admission to these courses. The Institute is rendering patient care services and there is no specific provision in the budget allocation for any extra/additional assistance to persons with disabilities. The schemes implemented in the Institute are in the nature of projects fully funded by the Government. There is no separate allocation for persons with disabilities under any of the projects implemented by the Institute.

During the year 2014-15, the number of persons with disabilities provided employment in the Institute and their percentage in relation to the total number employed are as under:

<table>
<thead>
<tr>
<th>Year</th>
<th>Group</th>
<th>No of persons with disabilities provided employment</th>
<th>Percentage of persons with disabilities recruited in relation to the total recruitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-15</td>
<td>B</td>
<td>1</td>
<td>0.7</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>9</td>
<td>3.3</td>
</tr>
</tbody>
</table>
SANITARY UNIT

Sanitary Superintendent : Mr. C. Jesurajan
Senior Sanitary Inspector : Mr. P. Pethanan
Male Health Supervisor : Mr. M. Thiroumourougan
Sanitary Inspector : 1. Mr. T. Karthikeyan
                                 2. Mr. P. Thiyagarajan
                                 3. E. Remo

History:
The Sanitary unit of JIPMER hospital was established with three sanitary Inspectors with limited staff pattern to cater for a limited area. Later, due to extensive and specialized services rendered, the beneficiaries became enormously more. To cope up with the growing population of patients and area, the Sanitary Unit is also extended as mentioned above. Off late specialty blocks like Super Specialty Block, Women and Child Health Block, Academic Centre, Nursing College and New Hostel complex for students have come up in the interest of patient care services wherein the Sanitary Units have a vital role.

Objective:
The main aim and objective of the Sanitary unit is to keep the general sanitation of the Hospital, EMSD, SSB, WCH, Academic Centre, Nursing College, New Hostels, Residential quarters, and Institute area up to the mark and present an infection free atmosphere to the patients, attenders, and inmates of JIPMER Campus.

The Staff Pattern:
The Sanitary Superintendent is the overall supervisor of all the four sanitary units. The Male Health Supervisor monitors the sanitary activities of the Hospital Sanitary Unit. The Senior Sanitary Inspector takes care of the general sanitation of the Institute Sanitary Unit. The Sanitary Inspectors of each unit are assisted by Sanitary Assistants and Senior Safaiwalas in the sanitary works. One Sanitary Inspector is exclusively posted for the rural health center Ramanathapuram for the purpose of training the under graduate medical students in the field of sanitation.

Waste Disposal:
Hospital Waste Materials are collected, stored, transported and disposed off hygienically as per the guidelines of bio medical waste management programme in tricolor bags which is implemented successfully under the chairmanship of the Medical Superintendent Dr. J. Balachandar and the coordinator Dr. N. Balachandar. To ensure this, the Nursing Staff, Nursing Attenders and even the Collies engaged in cleaning are also given training at regular intervals regarding Biomedical Wastes Management Programme by resource personnals from JIPMER.

New, hygienic way of transporting the Hospital waste materials in wheeled fiber glass trolleys is introduced in place of old method.
An incinerator with the capacity to burn 120 kg of waste materials in an hour with the temperature of 850° C to 1150° C is functioning for safe disposal of Hospital infective waste materials. A chimney with the height of 100 feet is attached to the incinerator to see that the atmosphere around the area doesn’t get spoiled due to the emission from the chimney. It is under the surveillance and guidance of the State and Central Pollution Control Board. Emission samples from the stake is being taken at regular intervals by PPCC to ensure the sterility of the smoke emitted.

**Microwave :**

A New microwave oven is installed near incinerator for disinfection of used plastic syringes, IV sets, IV bottles and other infected plastic materials from OTs, MOTs, wards etc., before their disposal. Around 40 kg of used plastic materials in a day are treated here.

**Plastic Shredder :**

A new plastic shredder at the cost of Rs. 13,00,000/- (Rupees thirteen lakhs only) has been installed for the purpose of shredding the used plastic materials from hospital like IV Bottles, IV Sets, Catheter, Plastic Syringes etc., to avoid reuse of the same. These plastic materials will be disinfected in the microwave before they are brought for shredding.

**Sewage and Water Treatment :**

To provide potable water, 35,00,000 liters of water is being treated with chlorine in a day. Safe and protected water is being supplied to the inmates of Campus, Hospital and the Hostel. A full-fledged effluent treatment plant is functioning within the campus to treat 25,00,000 liters of liquid and solid waste before sending the effluent out of campus. STP II & III also have been installed newly to cater for the newly come up areas like SSB, RCC, Women and Child Health Hospital and Students Hostel Complex. A new sewage treatment plant with the capacity of 2.4mld is sanctioned and the foundation work has been started to replace the old one which is out of order at present.

**Sterilization Procedure :**

Preplanned and scheduled fumigation process in OT’s, MOT’s, Dressing Rooms and Isolation Rooms etc., are being carried out by a trained team from the hospital sanitary unit using quick and short time chemicals (Incidur) in place of age old fumigation procedure with formalin which needs at least 24 hours to complete the procedure.

**Outsourcing :**

As per the policy of the Central Government, cleaning and sanitation of the campus and the area around hospital premises is outsourced. It is under the effective supervision of the Sanitary Superintendent and the Sanitary Inspectors of the Sanitary Units concerned. Cleaning part of Super Speciality Block, Women and Children's Hospital, Students Hostel Complex, Academic Centre which have come up newly are also outsourced.

**Student’s Training :**

Training is being imparted to the students of M.B.B.S., B.Sc., Nursing and B.Sc., M.L.T, etc, of JIPMER and other institutes from Government of Pondicherry as well, by the Senior Sanitary Staff regarding sanitation and bio medical waste management programme.

**Rural Health :**

One Sanitary Inspector is posted exclusively for rural Health Centre. He concentrates on preventive and promotive health services to poor and illiterate village mass. Age wise immunizations like TAB
and TT for School going children are given by him periodically. He is involved in medical student’s training in community medicine.

**Community Health:**

Rural Health Camp and Community Diagnosis programs are arranged in remote villages through PSM Department in which the Male Health Supervisor plays a major role. He imparts training to the medical students of the PSM Department in the field of Health and Sanitation.

**Future Plan:**

There is a proposal to mechanize all the cleaning activities, fumigation and chlorination process, replacing the age old methods practiced now. The Sanitary Inspectors are to be given exposure in latest technologies of sanitary activities by observing different private and government institutions in India and abroad as well, to improve the Sanitary Units of JIPMER technically. To cope up with the establishment of specialties and New Buildings, two Sanitary Inspectors have been recruited and posted in newly come up area for maintenance of sanitation the standard expected there.
SECURITY

Technical Consultant and In-Charge : M.J.E. Ambroise
Security Officer : A. Massilamani

Background Information:
JIPMER Security is overall in-charge of the security of the JIPMER Hospital and Campus. The Security Section started functioning from the inception of the Hospital in the Year 1957. It had started with the Strength of 42 Security Guards in 1957 and it was increased to 105 which included 82 regular and 30 temporary Security Guards in 1995. At present, with regular superannuation of the staff and lack of replacement due to ban on recruitment of group D posts, the number of security staff has come down to 34. In order to augment the dwindled strength of security personnel, with effect from September 1, 2012, outsourcing was done and the BIS Security was engaged with effect from August 2014 10 March 2015. Currently, the SIS Security with a strength of 256 Personnel is being deployed.

Staff Posts

Security Officer : 1
Assistant Security Officer : 1
Havildhar : 4
Head Security Guard : 3
Security Guard : 25

34

Services Provided:

i) Round the clock watch and ward of the hospital and the campus.
ii) Checking the incoming and outgoing articles and equipments.
iii) Checking all newborns going out of the hospital to ascertain that mother and child are as per the records and having matching wrist bands to prevent baby thefts.
iv) Bringing the unattended and destitute patients lying in the hospital premises to the Casualty.
v) Informing the police and Casualty Medical officer any un-indentified body found in the hospital premises.
vi) Crowd control in the event mass casualty.
vii) Maintaining a watch on vital centres e.g. Admin Block, etc.

Achievements / Significant Events:
During the visit of the President of India to JIPMER Campus, along with the police, security within the campus was maintained, without any law and order disturbance.
# Telehealth Programme JIPMER (Telemedicine Services)

## List of Faculty

Ravi Kumar Chittoria - Officer-In-charge JIPMER Telehealth Programme JIPMER & Nodal Officer for National Knowledge Network (NKN) Project of National Informatics Centre (NIC), Govt of India & Nodal Officer for National Medical College Network (NMCN) Project of Ministry of Health and Family Welfare (MoHFW), Govt of India and Nodal Officer for Indian Space Research Organization (ISRO) Project.

## Background Information of the Department

In JIPMER, ISRO Satellite Based Telemedicine Started in 2004. Tele Ophthalmology Project Started in 2008. Tele Onconet Project started in 2011. In October 2012 Telemedicine Special Clinic started on every Tuesday and Thursday in Dept of Plastic Surgery. Telemedicine Application for Emergency Patients of Plastic Surgery started in October 2012. National Knowledge Network (NKN) Project started in 2011. National Medical College Network (NMCN) Project started in March 2013. In March 2013, Ministry of Health and Family Welfare (MOHFW), Govt. of India, New Delhi, declared JIPMER Telemedicine Centre as the Regional Resource Centre (RRC) for implementation of NMCN Project for 160 Medical Colleges of Southern States (Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and Pondicherry). JIPMER Telemedicine Centre regularly holds Telemedicine Video-Conferencing Sessions with SGPGI Lucknow, KEM Medical College and Hospital Mumbai, PGI Chandigarh, AIIMS Raipur/Jodhpur, Dr. RML Hospital New Delhi, Gangaram Hospital New Delhi, etc. The entire JIPMER Campus including JIPMER Auditorium, JIPMER Academic Centre, Super Specialty Block, Nursing College, Regional Cancer Centre (RCC), Hostel Complex etc. is wi-fi enabled utilizing NKN Connectivity.

## Educational Courses

- Telemedicine & Medical Tourism Classes for MRO Trainees, MD/MS, DM/M.Ch &M.Sc Nursing Students.
- Planning to Start ‘Short Term Training Program in Telemedicine’ for Doctors and Paramedics (Nurses, Technicians, and Students etc.).

## Conferences and CMEs Organized by the Department

- Organized Live Telecast of Scientific Programme on Congenital Hand Anomalies, Part – I, from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project) and AIIMS Raipur/Jodhpur on 10th April 2014 (3.15 pm – 4.15 pm)
- Organized Clinical Grand Round (CGR) on 12th April 2014 – 8.00 – 9.00 am from SGPGI Lucknow to JIPMER on Topic: “Infertility and its management”.
- Organized Clinical Grand Round (CGR) on 19th April 2014 – 8.00 – 9.00 am from SGPGI Lucknow to JIPMER on Topic: “Surgery for extra hepatic portal vein thrombosis in children: shifting indications beyond endoscopic variceal obliteration and some unusual case scenarios”.

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Jawaharlal Institute of Postgraduate Medical Education and Research
- Organized simultaneous ‘Medical Virtual Class Room (VCR)’ (for NKN Connected Centres with VC Facilities) & ‘Live Telecast’ (for NKN Connected Centres without VC Facilities) of Teaching Session (on Topic: Congenital Hand Anomalies Part – II between Regional Resource Centre (RRC) JIPMER & Medical Colleges of South India, AIIMS Raipur & Jodhpur on 29th April 2014, 3.15 – 4.15 pm at Pasteur Theatre, JIPMER.

- Organized Tele Videoconferencing of Clinical Grand Round (CGR) on 3rd May 2014– 8.00 – 9.00 am from SGPGI Lucknow to JIPMER on Topic: “Distraction osteogenesis: The science of creating new bone in treating deformities in plastic surgery”

- Organized Tele Videoconferencing of Clinical Grand Round (CGR) on 10th May 2014– 8.00 – 9.00 am from SGPGI Lucknow to JIPMER on Topic: “Endovascular Management of Hemoptysis -- Our Experience

- Organized MOOC/Filming/Recording Program for Director JIPMER on 20th May 2014 from JIPMER to Harvard School of Public Health USA.

- Organized Videoconferencing of CME on Paediatric Critical Care from SGPGI Lucknow to on 30th May 2014.

- Organized Simultaneous ‘Medical Virtual Class Room (VCR)’ (for NKN Connected Centres with VC Facilities) & ‘Live Telecast’ (for NKN Connected Centres without VC Facilities) of Teaching Session (Topic: Facial Palsy) between Regional Resource Centre (RRC) JIPMER & Medical Colleges of South India, AIIMS Raipur & Jodhpur on 3rd June 2014 at Pasteur Theatre, JIPMER.

- Organized Live Telecast of Teaching Session on Topic: Oculoplastic Reconstruction Part - I from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project) and AIIMS Raipur/Jodhpur on 5th June 2014 (3.15 pm – 4.15 pm)

- Organized Live Telecast of Teaching Session on Topic: Oculoplastic Reconstruction Part - II from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project) and AIIMS Raipur/Jodhpur on 10th June 2014 (3.15 pm – 4.15 pm)

- Organized Live Telecast of Teaching Session on Topic: Cleft Lip & Palate Part - I from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project) and AIIMS Raipur/Jodhpur on 19th June 2014 (3.15 pm – 4.15 pm).

- Organized Live Video Conferencing Lecture from CME Vellore to RCC Onconet Centre for Dept of Dermatology JIPMER on 20th June 2014.


- Organized Live Telecast of ‘Foundation Day Scientific Session’ from 13th to 14th July 2014.


- Organized Live Telecast of ‘Spandan Intercollege Medical Quiz’ from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project), PGIMER Dr. RML Hospital Delhi and AIIMS Raipur/Jodhpur on 18th &19th August 2014


- Organized Video Conferencing Session on ‘Telemedicine Service in India’ between JIPMER &
CIPS Hyderabad on 25th July 2014.

- Organized Videoconferencing Session of Clinical Grand Round (CGR) on 19th July 2014 from SGPGI Lucknow to JIPMER on Topic: “Spectrum of Tropical Eosinophilia”.
- Organized Live Telecast of Scientific Programme on Cleft Lip & Palate (Part – II), from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project) and AIIMS Raipur/Jodhpur on 5th August 2014.
- Organized Live Telecast of Scientific Society Annual Alumni Oration from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project) and AIIMS Raipur/Jodhpur on 8th August 2014.
- Organized Live Telecast of ‘Well Women Workshop on Breast Cancer Awareness’ from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project), PGIMER Dr. RML Hospital Delhi and AIIMS Raipur/Jodhpur on 21st August 2014.
- Organized Video Conferencing Session between JIPMER & USA on 3D Simulation in Plastic Surgery Seminar Room’
- Organized Video Conferencing Session on ‘3D Simulation in Plastic Surgery’ between JIPMER & Switzerland.
- Organized Tele Videoconferencing Session of Clinical Grand Round (CGR) on 2nd Sept 2014 (Saturday) – 2.00 – 3.00 pm from SGPGI Lucknow to JIPMER on Topic: Parathyroid-Indian Scenario.
- Organized Tele Videoconferencing Session of Clinical Grand Round (CGR) on 11th Sept 2014 from SGPGI Lucknow to JIPMER on Topic: Mastalgia
- Organized Tele Videoconferencing Session of Clinical Grand Round (CGR) on 18th Sept 2014 from SGPGI Lucknow to JIPMER on Topic: Diagnosis of Cushing Syndrome.


- Organized Live Telecast of ‘Telemedicine Workshop’ from NEIGHRIMS Shillong to JIPMER Pondicherry on 26th & 27th Sept 2014 at RCC Onconet Centre JIPMER.

- Organized Live Telecast of Function of ‘Visit of Shri. Pranab Mukherjee, President of India’, to JIPMER on the occasion of ‘Golden Jubilee Celebration’ on 26th Sept 2014 from Regional Resource Centre (RRC) JIPMER to all (160) Medical Colleges of South India (NMCN Project), PGIMER Dr. RML Hospital Delhi and AIIMS Raipur/Jodhpur.


- Organized Tele Videoconferencing Session of Clinical Grand Round (CGR) on 14th Oct 2014 pm from SGPGI Lucknow to JIPMER on Topic: ‘Thyroid Carcinoma’.


- Organized Live Telecast of Teaching Session on ‘Flaps’ on 30th Oct 2014 from JIPMER Pondicherry to 160 Medical Colleges of South India, AIIMS Raipur/Jodhpur & Dr. RML Hospital New Delhi.


- Organized Tele Videoconferencing Session of Clinical Grand Round (CGR) on 6th Dec 2014 from SGPGI Lucknow to JIPMER on Topic: ‘Bacterial Pathogens and Their Antimicrobial Resistance Patterns’.

- Organized Tele Videoconferencing Session of Clinical Grand Round (CGR) on 13th Dec 2014 from SGPGI Lucknow to JIPMER on Topic: ‘Next Generation Sequencing in Clinical Practice’.

- Organized Live Telecast of ‘PERTECCON 2014’ Conference 5th, 6th & 7th December 2014 from JIPMER Pondicherry to 160 Medical Colleges of South India, AIIMS Raipur/Jodhpur & Dr. RML Hospital New Delhi.

- Organized Live Telecast of JSS Scientific Program on Robotic Surgery on 19th Nov 2014.

- Organized Live Telecast of ‘AMPITNPYCON 2014’ Conference from 20th to 21st Dec 2014 from JIPMER Pondicherry to 160 Medical Colleges of South India, AIIMS Raipur/Jodhpur & Dr. RML Hospital New Delhi.

- Organized Video Conferencing Session between JIPMER & CIPS Hyderabad on Antimicrobial Resistance on 23rd Dec 2014.
Organized 135 Videoconferencing Sessions - Between JIPMER & RCC Yanam, Mahe, Kanchipuram, Trivandrum/Shankara Nethralaya/CMC Vellore/SGPGI Lucknow/AIIMS New Delhi Raipur/Jodhpur/PGI Chandigarh/KEM Mumbai/MoHFW/Medical Colleges of South India.

Organized Live Telecast Workshop (Dermazone South 2014) held in JIPMER to 160 Medical colleges of South India/AIIMS Raipur & Jodhpur, Dr. RML Hospital New Delhi.

Organized Videoconferencing on ‘Minimally invasive Endocrine Surgery’ on 4th Feb 2015 from SGPGI Lucknow to JIPMER Puducherry.

Organized Live Telecast of Scientific Programme of SGPGI Pediatric Urology update & workshop from 2nd to 4th Feb 2015.

Organized Videoconferencing on ‘Bone Marrow Examination’ between SGPGI Lucknow & JIPMER on 5th Feb 2015.


Organized Videoconferencing on ‘Management of antenatally detected hydronephrosis due to pelviureteric junction obstruction between SGPGI Lucknow & JIPMER on 14th Feb 2015.

Organized Videoconferencing ‘CME on Vascular Disorders of Liver’ between SGPGI Lucknow & JIPMER on 14th Feb 2015.

Organized Videoconferencing on Epidemiology of candida colonization and blood stream infections between SGPGI Lucknow & JIPMER on 7th March 2015.

Organized Videoconferencing on Thyroid Abscess 50/M on 10th March 2015.

Organized video conferencing of Telemedicon 2015 from AIIMS New Delhi to JIPMER Puducherry from 13th to 14th March 2015.

Organized Live Telecast of scientific program from Germany to JIPMER Puducherry on 18th March 2015 on topic: Emerging Landscape in metastatic colorectal cancer – expert review & state of art update of AML: an expert round table discussion.

Organized Tele-videoconferencing between SGPGI Lucknow to JIPMER on Sjogren Syndrome: beyond dry eyes and dry mouth on 21st March 2015.

Conferences and CMEs Attended by Faculty

Dr. Ravi Kumar Chittoria

A. Conferences and CMEs Attended

- Attended ‘Uluru Health Centre & m-Health Project Camp’ on 23rd May 2014.
- Attended Guest Lecture on ‘Mobile Health’ delivered by Dr. Marc Mitchell, Harvard School of Public Health held at Board Room JIPMER on 4th June 2014.
- Participated Online ‘Telemedicine Workshop’ held at NEIGHRIMS Shillong on 26th & 27th Sept 2014.
- Attended Online ‘Telemedicon 2015’ held at AIIMS New Delhi through Videoconferencing from 13th to 14th March 2015.
B. Presented Paper/Lecture delivered in Conference & CMEs

- Delivered a Lecture Online on ‘Telemedicine Program at JIPMER Pondicherry & Southern India’ in ‘Telemedicine Workshop’ held at NEIGHRHIMS Shillong on 26th & 27th Sept 2014.
- Delivered a Lecture Online on ‘Telemedicine at JIPMER’ through videoconferencing from JIPMER to AIIMS New Delhi on 14th March 2015 in ‘Telemedicon-2015 from 13th to 14th March 2015.

Research Projects

- ISRO Project of Telemedicine, Govt of India (Ongoing).
- Teleophthalmology Project, MoHFW, Govt of India under Department of Ophthalmology (Ongoing).
- Onconet Project, NIC, Govt of India under Regional Cancer Centre JIPMER (Completed) in Oct 2014.
- National Knowledge Network (NKN) Project, NIC, Govt of India (Ongoing).
- National Medical College Network (NMCN) Project, MoHFW, Govt of India (Ongoing).
- Medical Virtual Class Room (VCR) Project, MoHFW, Govt of India under Department of Pathology (Ongoing).

Publications

Nil

Patient Care Services

- Successfully running Teleophthalmology Project, Onconet Project, National Medical College Network (NMCN) Project, National Knowledge Network (NKN), Medical Virtual Class Room (VCR).
- Running ‘Telemedicine Plastic Surgery Clinic’ on every Tuesday and Thursday. Total No. of Patients given Teleconsultations in Telemedicine Clinic on Tuesday and Thursday between April 2014 to March 2015 in Dept of Plastic Surgery 2461.
- Under Tele-ophthalmology Project 11 Tele Ophthalmology Camps were organized and 2750 patients were screened.
- Under Onconet Project 42 Tele Onconet Consultations were given.
- Regularly doing ‘Mobile Telemedicine Console Based Plastic Surgery Teleconsultations’.
- Regularly doing ‘Telemedicine Based Online Monitoring of Burn Patients’ of Burn Centre.
- Regularly doing ‘Telemedicine Based Barrier Nursing’ for Burn patients of Burn Centre.
- Regularly doing ‘Tele Plastic Surgery OPD Consultations’.
• Regularly doing ‘Tele Plastic Surgery Ward & Burn Ward Consultations’.
• Regularly doing ‘Tele Plastic Surgery’ applications in OT.
• Regularly doing ‘Tele Burn Ward Monitoring’.
• Regularly doing ‘Tele Education’ in Plastic Surgery.

**Awards, Honours and Other Personal Achievements**


**Administrative, Patient Care, Educational, Research and Other Assignments.**

• Appointed by Director JIPMER ‘Officer of Telemedicine’ to coordinate visit of Dr. Marc Mitchell, Harvard School of Public Health for ‘m-Health Project of JIPMER’ in May 2014.
• Appointed by Director JIPMER as ‘Officer of Telemedicine’ to Coordinate and Record Director’s Conclave meeting held on 27th & 28th Oct 2014.
• Director JIPMER nominated as Member of Committee/Working Group made for BAS (Biometric Attendance System) in JIPMER in Dec 2014.

**Significant Events in the Department**

• On 19th March 2015, as In-Charge Teleheath Programme JIPMER & Nodal Officer of NMCN Project Signed MoU with MoHFW for financial support for upgradation of Telemedicine Services of JIPMER.
• Started ‘Live Telecast’ of teaching sessions between JIPMER & 160 Medical Colleges of South India and AIIMS Raipur/Jodhpur, Dr. RML Hospital New Delhi & Gangaram Hospital New Delhi.
• Started ‘Medical Virtual Class Room (VCR)’ based teaching sessions between JIPMER & Medical Colleges of South India with VC facilities.
• Laydown Static IP address/line for NKN in SSB Conference Hall, Pasteur Theatre, Mini Auditorium (JIPMER Academic Centre) & JIPMER Auditorium with the help of HIS & CRAFT.
• JIPMER became Mentor Institution for ‘The PGIMER Dr. RML Hospital New Delhi’ & Gangaram Hospital New Delhi’ for Telemedicine Activities.
• Dr. Marc Mitchell, Harvard School of Public Health visited JIPMER in May 2014 and was apprised of Infrastructure and Telemedicine activities of JIPMER.
• Started ‘Telemedicine Based Barrier Nursing’ in Burn Centre.
• Director JIPMER made Committee/Working Group for BAS (Biometric Attendance System) in JIPMER in Dec 2014.
• Started conducting classes for M.Sc Nursing Students also on Telemedicine & Electronic Records.
DISCIPLINARY CELL & COURT CASES CELL

Officer Incharge : M.Krishna Rao, Law Officer

Back Ground Information
The Disciplinary Cell & Court Cases Cell is dealing with all the Disciplinary Cases against Group A, B, C & D Officers of JIPMER. It is also dealing with all court cases for and against JIPMER. This section is playing proactive role in taking action on employees involved in criminal activities. This section consists 2 divisions. One is Disciplinary Cell which deals with disciplinary cases against employees of JIPMER. Another Cell is Court Cases Cell which deals with cases for and against JIPMER in all the courts of India. Both the cells work is render justice and enforce discipline in the work environment of this Institute. More recently Complaint Cell is also started for dealing complaints from public as well as staff.

The section has the following staff:-

- Law Officer
- Assistant Accounts Officer
- Accountant
- Assistant (Litigation)
- L.D.C-1
- MTS -1.
- Data Entry Operator-1

Disciplinary cases dealt in this year as follows:-
(No. of Disciplinary cases breakup)

- Group A - 2
- Group B - 1
- Group C - 4
- Erstwhile Group –D - 10

Court cases dealt in this year as follows:-

- Lower Courts - 8
  (Judicial Magistrate Court, District Munsif Court, Sub Court, Consumer)
VIGILANCE CELL

Vigilance officer : Dr.S.C.Pradhan

Report on Vigilance cell

The vigilance cell has been active in investigating the cases on alleged employees of JIPMER. The Vigilance Officer has investigated and collected evidences by adopting various procedures in collecting evidences relevant to the complaint. After the thorough investigation, the Vigilance Officer has submitted his reports to the Director, JIPMER for necessary action. The cases referred by Central Vigilance Commissioner (CVC) have been sent to CVC, New Delhi.

The contact telephone number, e-mail address are displayed at prominent places in the premises of the Institution and also at the JIPMER website for easy access.

Vigilance Awareness Week:

The vigilance awareness week was observed in this institute and Hospital From 27-10-2014 to 01-11-2014 as desired by Central Vigilance Commission, New Delhi. As far as this institute was concerned the following measures were taken in connection with the above programme:

- A circular was issued to all departments and ancillary units of this institute, incorporating the various suggestions as recommended by the central vigilance commission.
- Banners on the observance of the “Vigilance Awareness Week” in this Institute and Hospital were displayed in the prime locations.
- The General public, patients and visitors were informed about the complaint mechanisms available in case if they were insisted on paying bribe or adopted corrupt practices.
- Employees of the institute and hospital took pledge on this week and a report was sent to the Ministry, New Delhi.
- Employees of the Institute and Hospital took pledge on this week and a report was sent to the DGHS (A & V Section), New Delhi.

As a strategy to fight corruption it was an imaginative way of packing the message adopted by providing freedom and access to information. The Vigilance Awareness Week was, therefore, a successful programme in fighting corruption.
This Institute receives Grant-in-aid under Plan and Non-Plan heads of accounts from the Ministry of Health & Family Welfare to meet recurring and non-recurring expenditure of the Institute and Hospital. Central Bureau of Health Intelligence, Ministry releases Grant-in Aid for conducting in-service Orientation Training for Medical Record Officers (MRO) and Medical Record Technicians (MRT). Besides, grants are being received from various funding agencies such as ICMR, DST, CSIR, WHO, UNICEF, DBT, INDO-US, PHE (Public Health England), Indo-French Collaboration Boston University Grants Projects etc., to carry out research activities. Further during 2014-15 treatment under Tamil Nadu Chief Minister comprehensive Insurance Scheme is being implemented and respective expenditure is reimbursed by the Government of Tamil Nadu. Rashtriya Arogya Nidhi grants sanctioned by the Ministry of Health & Family Welfare are utilized for treatment of poor patients.

The Finance wing of this Institute monitors/controls the expenditure by obtaining monthly statements from various units/departments and controls the financial outputs. Checks prescribed by Government of India in disbursement of payments are being exercised by Assistant Accounts Officer, Drawing and Disbursing Officer and Finance & Chief Accounts Officer.

Finance Wing compiles the annual account and submits the same to the Comptroller & Auditor General of India, statutory Auditor for certification of accounts.
FORM OF FINANCIAL STATEMENTS (NON - PROFIT ORGANISATIONS)

Name of Entity : JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

BALANCE SHEET AS ON 31.03.2015

<table>
<thead>
<tr>
<th>CORPUS/ CAPITAL FUND AND LIABILITIES</th>
<th>Schedule</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORPUS/ CAPITAL FUND</td>
<td>1</td>
<td>8,11,89,15,879</td>
<td>8,84,74,10,391</td>
</tr>
<tr>
<td>RESERVES AND SURPLUS</td>
<td>2</td>
<td>53,77,89,612</td>
<td>-</td>
</tr>
<tr>
<td>EARMARKED/ ENDOWMENT FUNDS</td>
<td>3</td>
<td>35,58,56,163</td>
<td>7,01,42,169</td>
</tr>
<tr>
<td>SECURED LOANS AND BORROWINGS</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>UNSECURED LOANS AND BORROWINGS</td>
<td>5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DEFERRED CREDIT LIABILITIES</td>
<td>6</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>CURRENT LIABILITIES AND PROVISIONS</td>
<td>7</td>
<td>51,96,67,291</td>
<td>80,01,71,495</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>9,53,24,28,946</td>
<td>9,71,77,24,055</td>
</tr>
</tbody>
</table>

| ASSETS                               |          |                        |                         |
| FIXED ASSETS                         | 8        | 7,01,82,33,145         | 6,90,12,80,872          |
| INVESTMENTS -- FROM EARMARKED/ENDOWMENT FUNDS | 9 | - | - |
| INVESTMENTS -- OTHERS                | 10       | -                      | -                       |
| CURRENT ASSETS, LOANS, ADVANCES ETC. | 11       | 2,51,41,95,801         | 2,81,64,43,183          |
| MISCELLANEOUS EXPENDITURE            |          | -                      | -                       |
| (to the extent not written off or adjusted) | | | |
| SIGNIFICANT ACCOUNTING POLICIES      | 24       | -                      | -                       |
| CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS | 25 | - | - |
| Total                                |          | 9,53,24,28,946         | 9,71,77,24,055          |

R. SENTHILNATHAN  
FINANCE & CHIEF ACCOUNTS OFFICER  
JIPMER

Dr. S.C. PARIJA  
DIRECTOR  
JIPMER
FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity : JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD / YEAR ENDED 31.03.2015

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income from Sale / Services</td>
<td>12</td>
<td>69,15,09,066</td>
</tr>
<tr>
<td>Grants/ Subsidies</td>
<td>13</td>
<td>3,86,34,45,543</td>
</tr>
<tr>
<td>Fees / Subscriptions</td>
<td>14</td>
<td>-</td>
</tr>
<tr>
<td>Income from Investments (Income on Invest, from earmarked/endow. Funds transferred to Funds)</td>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>Income from Royalty, publication etc.</td>
<td>16</td>
<td>-</td>
</tr>
<tr>
<td>Interest Earned</td>
<td>17</td>
<td>11,36,44,877</td>
</tr>
<tr>
<td>Other Income</td>
<td>18</td>
<td>-</td>
</tr>
<tr>
<td>Increase/ (decrease) in stock of finished goods and works-in-progress</td>
<td>19</td>
<td>2,55,62,844</td>
</tr>
<tr>
<td>Transfer from Corpus fund for Expenses Incurred</td>
<td>20</td>
<td>25,33,46,011</td>
</tr>
<tr>
<td>TOTAL (A)</td>
<td></td>
<td>4,74,75,07,840</td>
</tr>
</tbody>
</table>

EXPENDITURE

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Establishment Expenses</td>
<td>20</td>
<td>3,11,25,96,395</td>
</tr>
<tr>
<td>Other Administrative Expenses etc.</td>
<td>21</td>
<td>89,52,62,937</td>
</tr>
<tr>
<td>Expenditure on Grants, Subsidies etc.</td>
<td>22</td>
<td>-</td>
</tr>
<tr>
<td>Interest</td>
<td>23</td>
<td>-</td>
</tr>
<tr>
<td>Depreciation (Net Total authorities the year-end corresponding to Schedule 8)</td>
<td>24</td>
<td>73,86,48,508</td>
</tr>
<tr>
<td>TOTAL (B)</td>
<td></td>
<td>4,74,75,07,840</td>
</tr>
</tbody>
</table>

SIGNIFICANT ACCOUNTING POLICIES (+ / -) PriorPeriod Income Expense Netted | 25 | - | 4,11,54,56,773 |

Balance being excess of Income over Expenditure (A-B) | 26 | - | - |

Transfer to Special Reserve (Specify each) | 27 | - | - |

BALANCES BEING SURPLUS/ DEFICIT CARRIED TO CORPUS/CAPITAL FUND | 28 | - | - |

CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS | 29 | - | - |

R. SENTHILNATHAN
FINANCE & CHIEF ACCOUNTS OFFICER
JIPMER

Dr. S.C. PARIJA
DIRECTOR
JIPMER

Jawaharlal Institute of Postgraduate Medical Education and Research
## FORM OF FINANCIAL STATEMENTS (Non – PROFIT ORGANISATIONS)

### Name of Entity

JIPMER, PUDUCHERRY

### RECEIPTS AND PAYMENTS FOR THE PERIOD / YEAR ENDED 31.03.2015

<table>
<thead>
<tr>
<th></th>
<th>CURRENT YEAR 2014-15</th>
<th></th>
<th>PREVIOUS YEAR 2013-14</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
<td>Total</td>
<td>Plan</td>
</tr>
<tr>
<td><strong>RECEIPTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Opening Balances</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) Cash in hand - Cashier</td>
<td>2,84,93,633</td>
<td>2,84,93,633</td>
<td>2,84,93,633</td>
<td>2,84,93,633</td>
</tr>
<tr>
<td>CIFATM College of Nursing</td>
<td>26</td>
<td>26</td>
<td>52</td>
<td>26</td>
</tr>
<tr>
<td>d) Bank Balances</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) In current accounts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Donation Campaign - 327</td>
<td>15,09,456</td>
<td>15,09,456</td>
<td>15,09,456</td>
<td>15,09,456</td>
</tr>
<tr>
<td>- Revenue A/c - 304</td>
<td>1,04,90,145</td>
<td>1,04,90,145</td>
<td>1,04,90,145</td>
<td>3,44,91,593</td>
</tr>
<tr>
<td>- CIFATM - College of Nursing - 903</td>
<td>36,492</td>
<td>36,492</td>
<td>36,492</td>
<td>58,143</td>
</tr>
<tr>
<td>- M.O.M.S. Entrance Examination - 6012</td>
<td>3,97,91,009</td>
<td>3,97,91,009</td>
<td>3,97,91,009</td>
<td>-</td>
</tr>
<tr>
<td>- M.B.B.S. Entrance Examination - 6013</td>
<td>4,58,04,687</td>
<td>4,58,04,687</td>
<td>4,58,04,687</td>
<td>-</td>
</tr>
<tr>
<td>- Beg Cancer Fund - RAN - 600 219</td>
<td>5,68,916</td>
<td>5,68,916</td>
<td>5,68,916</td>
<td>5,63,988</td>
</tr>
<tr>
<td>- S.R.A. B.O.B - 606</td>
<td>3,17,09,118</td>
<td>3,17,09,118</td>
<td>3,17,09,118</td>
<td>3,17,09,118</td>
</tr>
<tr>
<td>- Specific Purpose - B.O.B 001</td>
<td>3,17,22,181</td>
<td>3,17,22,181</td>
<td>3,17,22,181</td>
<td>3,17,78,119</td>
</tr>
<tr>
<td>- PFA SBI - 203</td>
<td>24,911</td>
<td>24,911</td>
<td>24,911</td>
<td>29,002</td>
</tr>
<tr>
<td>- Specific Research Fund - SBI - 205</td>
<td>1,36,23,742</td>
<td>1,36,23,742</td>
<td>1,36,23,742</td>
<td>41,78,187</td>
</tr>
<tr>
<td>Patients Fund Account - B.O.B</td>
<td>2,03,09,60</td>
<td>2,03,09,60</td>
<td>2,03,09,60</td>
<td>50,000</td>
</tr>
<tr>
<td>983442000000910</td>
<td>2,16,38,750</td>
<td>2,16,38,750</td>
<td>2,16,38,750</td>
<td>-</td>
</tr>
<tr>
<td>- Tamilnadu insurance Scheme-9455</td>
<td>35,00,000</td>
<td>35,00,000</td>
<td>35,00,000</td>
<td>-</td>
</tr>
<tr>
<td>- Power Jodi</td>
<td>25,000</td>
<td>25,000</td>
<td>25,000</td>
<td>-</td>
</tr>
</tbody>
</table>
## RECEIPTS AND PAYMENTS FOR THE PERIOD / YEAR ENDED 31.03.2015

(Amount in Rupees)

<table>
<thead>
<tr>
<th>ii) In deposit accounts</th>
<th>CURRENT YEAR 2014-15</th>
<th></th>
<th>PREVIOUS YEAR 2013-14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
<td>Total</td>
</tr>
</tbody>
</table>

- **Endowment Fund - Cash Section FDR**
  - Other Fund - Purchase Section FDR
    - 7,77,900
  - Letter of Credit - Deposits
    - 81,89,817
  - JIPMER Revenue FDR
    - 50,45,42,127
  - GIA Account - FDR
    - -
  - PFA - FDR
    - 14,79,188
  - FD Specific Purpose
    - 75,00,000
  - Flexi Deposit
    - 1,06,36,96,292

<table>
<thead>
<tr>
<th></th>
<th>CURRENT YEAR 2014-15</th>
<th></th>
<th>PREVIOUS YEAR 2013-14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
<td>Total</td>
</tr>
<tr>
<td>II. Grants Received</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d) From Government of India</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant in Aid</td>
<td>1,85,45,00,000</td>
<td>1,70,98,00,000</td>
<td>3,56,43,00,000</td>
</tr>
<tr>
<td>CBHI (Central Bureau of Health Intelligence)</td>
<td>5,00,000</td>
<td>5,00,000</td>
<td>5,00,000</td>
</tr>
<tr>
<td>Oversight Committee - Recurring</td>
<td>27,43,00,000</td>
<td>27,43,00,000</td>
<td>54,86,00,000</td>
</tr>
<tr>
<td>GFATM from CMC &amp; INC, Delhi</td>
<td>40,57,487</td>
<td>40,57,487</td>
<td>81,15,000</td>
</tr>
<tr>
<td>MS-RAN</td>
<td>30,00,000</td>
<td>30,00,000</td>
<td>60,00,000</td>
</tr>
<tr>
<td>Health Minister Cancer Patient Fund</td>
<td>10,00,000</td>
<td>10,00,000</td>
<td>20,00,000</td>
</tr>
<tr>
<td>College of Nursing Student Fund</td>
<td>53,79,554</td>
<td>53,79,554</td>
<td></td>
</tr>
<tr>
<td>HBCR-ICMR</td>
<td>8,22,256</td>
<td>8,22,256</td>
<td></td>
</tr>
<tr>
<td>Jiva Daya Foundation</td>
<td>88,91,462</td>
<td>88,91,462</td>
<td></td>
</tr>
<tr>
<td>Specific Fund &amp; Research</td>
<td>9,14,36,357</td>
<td>9,14,36,357</td>
<td>18,28,72,714</td>
</tr>
<tr>
<td>Poor Patient Fund Account</td>
<td>1,60,238</td>
<td>1,60,238</td>
<td>3,20,47,626</td>
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</tbody>
</table>

III. Income on Investments from
### RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2015

(Amount in Rupees)

<table>
<thead>
<tr>
<th></th>
<th>CURRENT YEAR 2014-15</th>
<th></th>
<th>PREVIOUS YEAR 2013-14</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
<td>Total</td>
<td>Plan</td>
</tr>
<tr>
<td>- GFATM - College of Nursing</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>- PFA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>- Drug De Addiction Programme</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>- CBHI [Central Bureau of Health Programme</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>- Specific Fund &amp; Research</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Own Funds (Other Investment)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>IV. Interest Received</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) On Bank deposits</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Grant in Aid - Sweep Account</td>
<td>-</td>
<td>-</td>
<td>2,19,59,563</td>
<td>2,19,59,563</td>
</tr>
<tr>
<td>- Grant in Aid - Fixed Deposits</td>
<td>-</td>
<td>75,99,625</td>
<td>75,99,625</td>
<td></td>
</tr>
<tr>
<td>- TNCMCHIS Bank Interest</td>
<td>13,370</td>
<td></td>
<td>13,370</td>
<td></td>
</tr>
<tr>
<td>- Receipt Account</td>
<td>2,98,54,979</td>
<td></td>
<td>2,98,54,979</td>
<td></td>
</tr>
<tr>
<td>d) Loans, Advances etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- EMD / SD Collection</td>
<td>2,11,33,877</td>
<td></td>
<td>2,11,33,877</td>
<td>2,63,38,468</td>
</tr>
<tr>
<td>- Caution / Hostel Deposit</td>
<td>1,21,000</td>
<td></td>
<td>1,21,000</td>
<td>6,25,000</td>
</tr>
<tr>
<td>- CGEGIS</td>
<td>1,18,170.00</td>
<td>1,50,540</td>
<td>2,68,710</td>
<td>4,52,865</td>
</tr>
<tr>
<td>- Postal Life Insurance</td>
<td>14,220</td>
<td></td>
<td>14,220</td>
<td></td>
</tr>
<tr>
<td>- PAO Recovery</td>
<td>4,52,340</td>
<td>5,16,765</td>
<td>9,69,105</td>
<td>2,96,640</td>
</tr>
<tr>
<td>- LTC Advance</td>
<td></td>
<td></td>
<td></td>
<td>2,57,000</td>
</tr>
<tr>
<td>- Festival Advance - Recovery</td>
<td>11,32,050</td>
<td>21,01,680</td>
<td>32,33,730</td>
<td>8,75,926</td>
</tr>
<tr>
<td>- Overpayment - Recovery</td>
<td>37,80,245</td>
<td>35,72,838</td>
<td>73,53,083</td>
<td>11,88,384</td>
</tr>
<tr>
<td>- Cyclone Advance Recovery</td>
<td>2,68,500</td>
<td>4,48,250</td>
<td>7,16,750</td>
<td>15,28,000</td>
</tr>
<tr>
<td>- House Building Advance</td>
<td>67,900</td>
<td>2,24,334</td>
<td>2,92,234</td>
<td>91,488</td>
</tr>
<tr>
<td>- Motor Car Advance</td>
<td>18,000</td>
<td>18,000</td>
<td>36,000</td>
<td>20,200</td>
</tr>
<tr>
<td></td>
<td>CURRENT YEAR 2014-15</td>
<td></td>
<td>PREVIOUS YEAR 2013-14</td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------------</td>
<td>----------------------</td>
<td>-----------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
<td>Total</td>
<td>Plan</td>
</tr>
<tr>
<td>Scooter Advance</td>
<td>20,014</td>
<td>23,172</td>
<td>43,186</td>
<td>1,10,057</td>
</tr>
<tr>
<td>GPF Advance</td>
<td>3,26,04,379</td>
<td>4,02,51,838</td>
<td>7,28,56,217</td>
<td>2,97,94,556</td>
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<tr>
<td>GPF Subscription</td>
<td>5,03,08,450</td>
<td>7,57,35,670</td>
<td>12,60,44,120</td>
<td>4,19,47,540</td>
</tr>
<tr>
<td>Employees Provident Fund</td>
<td>41,28,233</td>
<td>18,17,018</td>
<td>59,45,251</td>
<td>24,72,362</td>
</tr>
<tr>
<td>Sales Tax</td>
<td>-</td>
<td>-</td>
<td>14,370</td>
<td>-</td>
</tr>
<tr>
<td>TDS - Firm Bills</td>
<td>24,85,450</td>
<td>92,57,105</td>
<td>1,17,42,555</td>
<td>68,79,448</td>
</tr>
<tr>
<td>TDS - Staff Salary</td>
<td>7,00,79,453</td>
<td>9,13,48,032</td>
<td>16,14,27,485</td>
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<td>V. OTHER INCOME (SPECIFY)</td>
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<td>Licence Fee</td>
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### RECEIPTS AND PAYMENTS FOR THE PERIOD / YEAR ENDED 31.03.2015

(Amount in Rupees)

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<td>VII. Any other receipts (give details)</td>
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<td>Transfer from other entities for GPF</td>
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<td>Transfer from Pay and Accounts office</td>
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<td>TOTAL</td>
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Jawaharlal Institute of Postgraduate Medical Education and Research
### RECEIPTS AND PAYMENTS FOR THE PERIOD / YEAR ENDED 31.03.2015

(Amount in Rupees)

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<td>b) Administrative Expenses</td>
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## RECEIPTS AND PAYMENTS FOR THE PERIOD / YEAR ENDED 31.03.2015

(Amount in Rupees)

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<th>PREVIOUS YEAR 2013-14</th>
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<td>III. Investments and deposits made</td>
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<tr>
<td>b) Out of Earmarked/Endowment funds</td>
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### RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2015

(Amount in Rupees)

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<tr>
<th></th>
<th>CURRENT YEAR 2014-15</th>
<th>PREVIOUS YEAR 2013-14</th>
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<tbody>
<tr>
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<td>b) Out of Own Funds (Investments-Others)</td>
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<td>d) To the Government of India</td>
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<td>e) To the State Government</td>
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<td>f) To other providers of Funds</td>
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<td>GPF Advance</td>
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(Amount in Rupees)
## RECEIPTS AND PAYMENTS FOR THE PERIOD / YEAR ENDED 31.03.2015

(Amount in Rupees)

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<th>PREVIOUS YEAR 2013-14</th>
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<tr>
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## RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2015

(Amount in Rupees)

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<th>Account</th>
<th>CURRENT YEAR 2014-15</th>
<th>PREVIOUS YEAR 2013-14</th>
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<td>Plan</td>
<td>Non-Plan</td>
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## RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2015

(Amount in Rupees)

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<th>PREVIOUS YEAR 2013-14</th>
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<tr>
<td>PFA FDR</td>
<td>10,24,442</td>
<td>10,24,442</td>
<td>14,79,188</td>
<td>14,79,188</td>
</tr>
<tr>
<td>Fixed Deposits - specific Purpose</td>
<td>81,78,099</td>
<td>81,78,099</td>
<td>75,00,000</td>
<td>75,00,000</td>
</tr>
<tr>
<td>Fixed Deposits (Surebhi)</td>
<td>-</td>
<td>1,06,36,96,292</td>
<td>1,06,36,96,292</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>5,61,74,82,395</td>
<td>1,17,22,50,841</td>
<td>6,78,97,33,236</td>
<td>4,17,62,37,803</td>
</tr>
</tbody>
</table>
### SCHEDULE 1: CORPUS/CAPITAL FUND

<table>
<thead>
<tr>
<th>Description</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance as at the beginning of the year</td>
<td>8,84,74,10,391</td>
<td>7,14,04,33,195</td>
</tr>
<tr>
<td>Less: Prior Period Adjustments</td>
<td></td>
<td>72,85,67,785</td>
</tr>
<tr>
<td>Add: Contributions towards Corpus/Capital Fund</td>
<td>25,34,18,284</td>
<td>3,40,40,30,000</td>
</tr>
<tr>
<td>Add/(Deduct): Transfer to Income and Expenditure account for expenses incurred</td>
<td>25,34,18,284</td>
<td>3,61,09,32,934</td>
</tr>
<tr>
<td><strong>BALANCE AT THE YEAR END</strong></td>
<td>8,84,74,10,391</td>
<td>8,84,74,10,391</td>
</tr>
</tbody>
</table>

### SCHEDULE 2: RESERVES AND SURPLUS

<table>
<thead>
<tr>
<th>Description</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Capital Reserve</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As per last account</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Addition during the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less: Deductions during the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2. Revaluation Reserve</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As per last account</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Addition during the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less: Deductions during the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. Special Reserve</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As per last account</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Addition during the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less: Deductions during the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. General Reserve</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As per last account</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Addition during the year</td>
<td>53,77,88,612.00</td>
<td></td>
</tr>
<tr>
<td>Less: Deductions during the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>53,77,88,612.00</td>
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</tr>
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</table>
## SCHEDULE 3 - EARMARKED/ENDOWMENT FUNDS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(A)</td>
<td>(B)</td>
<td>(C)</td>
<td>(A + B - C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Specific &amp; Research Fund</strong></td>
<td>2,11,23,742</td>
<td>12,53,93,119</td>
<td>9,76,10,274</td>
<td>4,89,06,587</td>
<td>4,89,06,587</td>
<td>2,11,23,742</td>
</tr>
<tr>
<td><strong>Rashtriya Arokiya Nidhi</strong></td>
<td>28,04,391</td>
<td>30,00,000</td>
<td>38,35,467</td>
<td>19,68,924</td>
<td>19,68,924</td>
<td>28,04,391</td>
</tr>
<tr>
<td><strong>Poor Fund Account</strong></td>
<td>17,06,599</td>
<td>2,42,814</td>
<td>1,00,794</td>
<td>18,48,619</td>
<td>18,48,619</td>
<td>17,06,599</td>
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<tr>
<td><strong>Regional Cancer Fund</strong></td>
<td>6,58,160</td>
<td>10,00,000</td>
<td>7,68,456</td>
<td>8,99,705</td>
<td>8,99,705</td>
<td>6,58,160</td>
</tr>
<tr>
<td><strong>GFATM - College of Nursing</strong></td>
<td>35,513</td>
<td>40,57,487</td>
<td>36,91,156</td>
<td>4,02,849</td>
<td>4,02,849</td>
<td>36,513</td>
</tr>
<tr>
<td><strong>College of Nursing Student Fund</strong></td>
<td>53,79,554</td>
<td>42,27,456</td>
<td>49,57,090</td>
<td>49,57,090</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HBCR-ICMR</strong></td>
<td>8,22,256</td>
<td>5,63,037</td>
<td>2,59,219</td>
<td>2,59,219</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Jiva Daya Foundation</strong></td>
<td>38,91,462</td>
<td>67,32,640</td>
<td>21,58,822</td>
<td>21,58,822</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Interest &amp; Others Received</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>9,81,006</td>
</tr>
<tr>
<td><strong>Endowment Fund FDR</strong></td>
<td>18,20,734</td>
<td>-</td>
<td>-</td>
<td>18,20,734</td>
<td>18,20,734</td>
<td>18,20,734</td>
</tr>
<tr>
<td><strong>Total (a)</strong></td>
<td>2,31,60,144</td>
<td>14,87,86,052</td>
<td>11,37,24,287</td>
<td>6,32,22,548</td>
<td>6,32,22,548</td>
<td>2,31,41,150</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>----------------</td>
<td>-----------</td>
<td>-------------</td>
<td>----------------</td>
<td>-------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>a) Opening balance of the funds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- CBHI</td>
<td>3,66,536</td>
<td>5,00,000</td>
<td>10,00,026</td>
<td>(1,33,490)</td>
<td>(1,33,490)</td>
<td>3,66,536</td>
</tr>
<tr>
<td>- Drug De Addition</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4,08,000</td>
</tr>
<tr>
<td>b) Over Sight Committee</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Recurring Fund</td>
<td>-</td>
<td>27,43,000</td>
<td>27,43,000</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>- Non Recurring Fund</td>
<td>4,02,26,483</td>
<td>4,46,703</td>
<td>-</td>
<td>4,06,73,186</td>
<td>4,06,73,186</td>
<td>4,02,26,483</td>
</tr>
<tr>
<td>c) Unutilised Grants.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant-in-aid- Plan Salaries</td>
<td>34,58,08,000</td>
<td>1,20,46,00,000</td>
<td>1,41,06,62,442</td>
<td>13,97,45,558</td>
<td>13,97,45,558</td>
<td>-</td>
</tr>
<tr>
<td>Grant-in-aid- Plan General</td>
<td>1,00,000</td>
<td>39,99,00,000</td>
<td>39,99,84,259</td>
<td>15,741</td>
<td>15,741</td>
<td>-</td>
</tr>
<tr>
<td>Grant-in-aid- Creation of Capital Assets</td>
<td>-</td>
<td>25,00,00,000</td>
<td>24,99,68,538</td>
<td>31,462</td>
<td>31,462</td>
<td>-</td>
</tr>
<tr>
<td>Grant-in-aid- Non Plan Salaries</td>
<td>25,53,00,000</td>
<td>1,24,47,00,000</td>
<td>1,38,77,08,405</td>
<td>11,22,93,595</td>
<td>11,22,93,595</td>
<td>-</td>
</tr>
<tr>
<td>Grant-in-aid- Non Plan General</td>
<td>66,51,00,000</td>
<td>66,50,92,437</td>
<td>7,563</td>
<td>29,26,33,615</td>
<td>29,26,33,615</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>64,18,01,019</td>
<td>4,03,95,46,703</td>
<td>4,38,87,14,107</td>
<td>29,26,33,615</td>
<td>29,26,33,615</td>
<td>-</td>
</tr>
</tbody>
</table>
FORM OF FINANCIAL STATEMENTS (NON - PROFIT ORGANISATIONS)

**Name of Entity :** JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

**Schedules forming part of Balance Sheet as at 31.03.2015**

<table>
<thead>
<tr>
<th>SCHEDULE 4 - SECURED LOANS AND BORROWINGS:</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Central Government</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2. State Government (Specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3. Financial Institutions</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>a) Term Loans</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Interest accrued and due</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4. Banks</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>a) Term Loans</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Other Loans (specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Interest accrued and due</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5. Other Institutions and Agencies</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6. Debentures and Bonds</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7. Others (Specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Note:** Amount due within one year

Jawaharlal Institute of Postgraduate Medical Education and Research
### FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

**Name of Entity:** JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

**Schedules forming part of balance sheet as at 31.03.2015**

<table>
<thead>
<tr>
<th>SCHEDULES 5 - UNSECURED LOANS AND BORROWINGS</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Central Government</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2. State Government (Specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3. Financial Institutions</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4. Banks:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>a) Term Loans</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Other Loans (Specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5. Other Institutions and Agencies</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6. Debentures and Bonds</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7. Fixed Deposits</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>8. Other (Specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Note:** Amounts due within one year

### SCHEDULE 6 - DEFERRED CREDIT LIABILITIES:

<table>
<thead>
<tr>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Acceptances secured by hypothecation of capital equipment and other assets</td>
<td>-</td>
</tr>
<tr>
<td>b) Others</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
</tr>
</tbody>
</table>

**Note:** Amounts due within one year
FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity : JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2015

(Amount - Rs)

<table>
<thead>
<tr>
<th>SCHEDULES 7-CURRENT LIABILITIES AND PROVISIONS</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. CURRENT LIABILITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Acceptances</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Sundry Creditors:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>a) For Goods</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Stale Cheque</td>
<td>45,70,902</td>
<td></td>
</tr>
<tr>
<td>c) Others - TNCMCHIS - As Per Annexure -A</td>
<td>97,29,382</td>
<td>1,43,00,284</td>
</tr>
<tr>
<td></td>
<td>36,090</td>
<td>36,090</td>
</tr>
<tr>
<td>3. Advances Received</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4. Interest accrued but not due on:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>a) Secured Loans/borrowings</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Unsecured Loans/borrowings</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5. Statutory Liabilities:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>a) Overdue</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6. Other current Liabilities</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>(a) Recovery made from salary</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Opening Balance</td>
<td>32,80,28494</td>
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</tr>
<tr>
<td>Deductions from salary during the year</td>
<td>77,55,263</td>
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</tr>
<tr>
<td>Total</td>
<td>33,67,83,757</td>
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</tr>
<tr>
<td>Less: Settlement during the year</td>
<td>33,57,37,168</td>
<td>10,46,589</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>(b) General Provident Fund (Recovery)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Opening Liability of GPF</td>
<td>6,270</td>
<td></td>
</tr>
<tr>
<td>Add: General Provident Fund Deductions</td>
<td>21,59,80,517</td>
<td>20,39,21,909</td>
</tr>
<tr>
<td>Add: Interest on General Provident Fund</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Less: Transferred to General Provident Fund A/c</td>
<td>19,89,06,607</td>
<td>1,70,80,180</td>
</tr>
<tr>
<td></td>
<td>20,39,15,639</td>
<td>6,270</td>
</tr>
<tr>
<td>SCHEDULES 7-CURRENT LIABILITIES AND PROVISIONS</td>
<td>Current Year 2014-2015</td>
<td>Previous Year 2013-2014</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>(c) Earnest Money Deposit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opening Balance</td>
<td>4,66,02,257</td>
<td>3,56,03,136</td>
</tr>
<tr>
<td>Add: Additions during the year</td>
<td>2,11,33,877</td>
<td>2,63,38,468</td>
</tr>
<tr>
<td>Less: Payments during the year</td>
<td>1,42,70,185</td>
<td>5,34,65,949</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,53,39,347</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4,66,02,257</td>
</tr>
<tr>
<td>(d) Education Section - Caution Deposit</td>
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</tr>
<tr>
<td>Opening Balance</td>
<td>22,85,000</td>
<td>17,72,000</td>
</tr>
<tr>
<td>Add: Additions during the Year</td>
<td>1,21,000</td>
<td>6,25,000</td>
</tr>
<tr>
<td>Less: Payments during the year</td>
<td>6,84,409</td>
<td>17,21,591</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,12,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>22,85,000</td>
</tr>
<tr>
<td>(e) TDS Liability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opening Balance</td>
<td>30,60,233</td>
<td></td>
</tr>
<tr>
<td>Add: Additions during the Year</td>
<td>18,24,08,337</td>
<td>12,87,90,290</td>
</tr>
<tr>
<td>Less: Payments during the year</td>
<td>17,38,72,410</td>
<td>11,59,616</td>
</tr>
<tr>
<td></td>
<td>12,57,30,057</td>
<td>30,60,233</td>
</tr>
<tr>
<td>(f) TCS Liability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opening Balance</td>
<td>63,739</td>
<td></td>
</tr>
<tr>
<td>Add: Additions during the Year</td>
<td>-</td>
<td>69,060</td>
</tr>
<tr>
<td>Less: Payments during the year</td>
<td>-</td>
<td>63,739</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5,321</td>
</tr>
<tr>
<td></td>
<td></td>
<td>63,739</td>
</tr>
<tr>
<td>(g) New Pension Scheme</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recovered During the year (Employee &amp; JIPMER Cont)</td>
<td>23,04,11,138</td>
<td>9,66,73,820</td>
</tr>
<tr>
<td>Less: Settled during the year</td>
<td>20,17,41,463</td>
<td>4,27,23,645</td>
</tr>
<tr>
<td></td>
<td>8,26,19,850</td>
<td>1,40,53,970</td>
</tr>
<tr>
<td>(h) Employees Provident Fund</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opening Balance</td>
<td>32,17,300</td>
<td></td>
</tr>
<tr>
<td>Add: Additions during the Year</td>
<td>1,51,07,802</td>
<td>32,17,300</td>
</tr>
<tr>
<td>Less: Payments during the year</td>
<td>-</td>
<td>1,83,25,102</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>32,17,300</td>
</tr>
<tr>
<td><strong>TOTAL (A) Current Liabilities</strong></td>
<td><strong>16,03,23,239</strong></td>
<td><strong>13,57,32,642</strong></td>
</tr>
<tr>
<td>SCHEDULES 7-CURRENT LIABILITIES AND PROVISIONS</td>
<td>Current Year 2014-2015</td>
<td>Previous Year 2013-2014</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>8. PROVISIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. For Taxation</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2. Gratuity</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3. Superannuitating/Pension</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4. Accumulated Leave Encashment</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5. Expenses Payable</td>
<td>3,38,19,195</td>
<td>33,19,66,084</td>
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<tr>
<td></td>
<td>TNCMCHIS Expenses Payable</td>
<td>64,200</td>
</tr>
<tr>
<td>6. HLL Payable</td>
<td>14,89,65,315</td>
<td></td>
</tr>
<tr>
<td>7. Legal Expenses Payable - Chandrasekhar</td>
<td>15,00,000</td>
<td>15,00,000</td>
</tr>
<tr>
<td>8. Advance from Insurance Company</td>
<td>3,240</td>
<td></td>
</tr>
<tr>
<td>9. Salary payable</td>
<td>17,41,92,102</td>
<td></td>
</tr>
<tr>
<td>10. Trade Warranties/Claims</td>
<td>10,00,000</td>
<td>10,00,000</td>
</tr>
<tr>
<td></td>
<td>Opening Balance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Add: Provisions during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Less: Payment during the year</td>
<td>10,00,000</td>
</tr>
<tr>
<td>10. MACP arrear provisions for retired employees</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opening Balance</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Add: Provisions during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Less: Payment during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Less: Settlement during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Opening Balance</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Add: Provisions during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Less: Payment during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Less: Settlement during the year</td>
<td>-</td>
</tr>
<tr>
<td>12. Others – To GPF A/c Due to Separation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opening Balance</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Add: Provisions during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Less: Payment during the year</td>
<td>-</td>
</tr>
<tr>
<td>13. Others – Bank Returned Payments</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opening Balance</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Add: Payments returned in Bank during the year</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Less: Corresponding Payment made during the year</td>
<td>-</td>
</tr>
<tr>
<td>TOTAL B</td>
<td>35,95,44,052</td>
<td>66,44,38,853</td>
</tr>
<tr>
<td>TOTAL (A+B)</td>
<td>51,98,67,291</td>
<td>80,01,71,485</td>
</tr>
</tbody>
</table>
# FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

**Name of Entity:** JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

**SCHEDULES FORMING PART OF BALANCE SHEET FOR THE YEAR ENDED 31-03-2015**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>TYPE OF ASSETS</th>
<th>Gross Block as on 1/4/2014</th>
<th>Additions &gt; 180 days</th>
<th>Additions &lt; 180 days</th>
<th>Total Additions during the year</th>
<th>Gross Block as on 31/03/2015</th>
<th>Deletion / Transfer WIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Land</td>
<td>1,20,000.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,20,000.00</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Building Non- Residential</td>
<td>5,99,53,46,994.00</td>
<td>-</td>
<td>1,88,71,349.00</td>
<td>1,88,71,349.00</td>
<td>6,01,42,18,343.00</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>Building Residential</td>
<td>76,54,35,617.00</td>
<td>-</td>
<td>46,92,400.00</td>
<td>46,92,400.00</td>
<td>77,01,28,017.00</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Machinery &amp; Equipments</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>a) General Equipment</td>
<td>57,29,61,517.00</td>
<td>8,61,46,067.00</td>
<td>5,22,65,571.00</td>
<td>13,84,11,638.00</td>
<td>71,13,73,155.00</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>b) Life Saving Equipment</td>
<td>17,28,56,982.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>17,28,56,982.00</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><strong>Total - M &amp; E</strong></td>
<td><strong>74,58,18,499.00</strong></td>
<td><strong>8,61,46,067.00</strong></td>
<td><strong>5,22,65,571.00</strong></td>
<td><strong>13,84,11,638.00</strong></td>
<td><strong>88,42,30,137.00</strong></td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>COMPUTER</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>a) AIS Unit</td>
<td>3,31,72,734.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3,31,72,734.00</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>b) HIS Unit</td>
<td>9,87,316.00</td>
<td>-</td>
<td>99,98,273.00</td>
<td>99,98,273.00</td>
<td>1,09,85,589.00</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><strong>Total - Computer</strong></td>
<td><strong>3,41,60,050.00</strong></td>
<td>-</td>
<td><strong>99,98,273.00</strong></td>
<td><strong>99,98,273.00</strong></td>
<td><strong>4,41,58,323.00</strong></td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>Motor Vehicles</td>
<td>99,53,337.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>99,53,337.00</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>Battery Car</td>
<td>21,36,538.00</td>
<td>-</td>
<td>21,36,538.00</td>
<td>21,36,538.00</td>
<td>21,36,538.00</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>Central Library Books</td>
<td>1,50,44,480.00</td>
<td>37,84,238.00</td>
<td>-</td>
<td>37,84,238.00</td>
<td>1,88,28,718.00</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>Central Library Journals</td>
<td>2,38,16,018.00</td>
<td>67,92,847.00</td>
<td>-</td>
<td>67,92,847.00</td>
<td>3,06,08,865.00</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><strong>Total - Books &amp; Journals</strong></td>
<td><strong>3,88,60,498.00</strong></td>
<td><strong>1,05,77,085.00</strong></td>
<td>-</td>
<td><strong>1,05,77,085.00</strong></td>
<td><strong>4,94,37,583.00</strong></td>
<td>-</td>
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<tr>
<td>10</td>
<td>Office Furniture</td>
<td>8,04,02,684.00</td>
<td>5,08,600.00</td>
<td>4,15,350.00</td>
<td>9,23,950.00</td>
<td>8,13,26,634.00</td>
<td>-</td>
</tr>
<tr>
<td>11</td>
<td>Electrical Installation</td>
<td>36,32,25,430.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>36,32,25,430.00</td>
<td>-</td>
</tr>
<tr>
<td>12</td>
<td>External Services</td>
<td>14,86,00,00.00</td>
<td>-</td>
<td>1,02,000.00</td>
<td>1,02,000.00</td>
<td>15,88,00,00.00</td>
<td>-</td>
</tr>
<tr>
<td>13</td>
<td>Solar system</td>
<td>13,14,208.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>13,14,208.00</td>
<td>-</td>
</tr>
<tr>
<td>14</td>
<td>Work in Progress</td>
<td>-</td>
<td>65,49,78,308.00</td>
<td>-</td>
<td>65,49,78,308.00</td>
<td>65,49,78,308.00</td>
<td>-</td>
</tr>
</tbody>
</table>

**TNMCHIS Fixed Assets:**

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Bill Board display</td>
<td>46,068.00</td>
<td>46,068.00</td>
<td>46,068.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>16 Display Media</td>
<td>19,800.00</td>
<td>19,800.00</td>
<td>19,800.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>17 Digital Survey Meter</td>
<td>11,312.00</td>
<td>11,312.00</td>
<td>11,312.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>18 Equipments</td>
<td>6,35,037.00</td>
<td>6,35,037.00</td>
<td>6,35,037.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>19 LED Display</td>
<td>7,87,621.00</td>
<td>7,87,621.00</td>
<td>7,87,621.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>20 Computers</td>
<td>99,015.00</td>
<td>99,015.00</td>
<td>99,015.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>21 Mobile</td>
<td>55,000.00</td>
<td>55,000.00</td>
<td>55,000.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>22 Printers</td>
<td>4,52,000.00</td>
<td>2,87,800.00</td>
<td>7,39,800.00</td>
<td>7,39,800.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>23 Power Sub Station</td>
<td>21,03,379.00</td>
<td>21,03,379.00</td>
<td>21,03,379.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>8,18,19,23,109.00</strong></td>
<td><strong>75,77,09,279.00</strong></td>
<td><strong>9,88,91,502.00</strong></td>
<td><strong>85,66,00,781.00</strong></td>
<td><strong>9,03,85,23,890.00</strong></td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
## FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

**Name of Entity:** JAWAHRALAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDIChERRY.

**Schedules Forming Part of Balance Sheet for the Year Ended 31-03-2015**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>TYPE OF ASSETS</th>
<th>Rate of Depreciation</th>
<th>Depreciation as on 01-04-2014</th>
<th>Depreciation as on 31-03-2015</th>
<th>Net Block as on 31-03-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Land</td>
<td>0.00%</td>
<td>51,41,615.00</td>
<td>4,91,615.00</td>
<td>3,16,615.00</td>
</tr>
<tr>
<td>2</td>
<td>Building Non-Residential</td>
<td>10.00%</td>
<td>51,41,615.00</td>
<td>5,14,161.50</td>
<td>2,14,161.50</td>
</tr>
<tr>
<td>3</td>
<td>Building Residential</td>
<td>5.00%</td>
<td>2,46,29,730.00</td>
<td>1,23,14,865.00</td>
<td>1,23,14,865.00</td>
</tr>
<tr>
<td>4</td>
<td>Machinery &amp; Equipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) General Equipments</td>
<td>15.00%</td>
<td>11,04,71,150.00</td>
<td>39,19,918.00</td>
<td>39,19,918.00</td>
</tr>
<tr>
<td></td>
<td>b) Life Saving Equipments</td>
<td>40.00%</td>
<td>10,52,10,326.00</td>
<td>4,20,58,662.00</td>
<td>4,20,58,662.00</td>
</tr>
<tr>
<td>5</td>
<td>Total - M &amp; E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>21,56,81,476.00</td>
<td>10,93,54,127.00</td>
<td>32,69,55,211.00</td>
</tr>
<tr>
<td>6</td>
<td>COMPUTER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) All Unit</td>
<td>60.00%</td>
<td>4,49,73,165.00</td>
<td>29,99,482.00</td>
<td>29,99,482.00</td>
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<tr>
<td></td>
<td>b) H/S Unit</td>
<td>60.00%</td>
<td>8,29,34,666.00</td>
<td>59,73,984.00</td>
<td>59,73,984.00</td>
</tr>
<tr>
<td>7</td>
<td>Total - Computer</td>
<td></td>
<td>50,02,227.00</td>
<td>38,34,681.00</td>
<td>83,37,128.00</td>
</tr>
<tr>
<td>8</td>
<td>Motor Vehicles</td>
<td>15.00%</td>
<td>27,62,031.00</td>
<td>10,78,981.00</td>
<td>10,78,981.00</td>
</tr>
<tr>
<td>9</td>
<td>Battery Car</td>
<td>30.00%</td>
<td>6,40,951.00</td>
<td>6,40,951.00</td>
<td>6,40,951.00</td>
</tr>
<tr>
<td>10</td>
<td>Central Library Books</td>
<td>60.00%</td>
<td>45,44,858.00</td>
<td>45,44,858.00</td>
<td>45,44,858.00</td>
</tr>
<tr>
<td>11</td>
<td>Central Library Journals</td>
<td>60.00%</td>
<td>78,86,504.00</td>
<td>78,86,504.00</td>
<td>78,86,504.00</td>
</tr>
<tr>
<td>12</td>
<td>Total - Books &amp; Journals</td>
<td></td>
<td>1,24,31,389.00</td>
<td>1,11,49,990.00</td>
<td>1,11,49,990.00</td>
</tr>
<tr>
<td>13</td>
<td>Office Furniture</td>
<td>15.00%</td>
<td>1,45,89,453.00</td>
<td>20,79,800.00</td>
<td>20,79,800.00</td>
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<tr>
<td>14</td>
<td>Electrical Installation</td>
<td>10.00%</td>
<td>6,50,12,832.00</td>
<td>2,84,34,092.00</td>
<td>2,84,34,092.00</td>
</tr>
<tr>
<td>15</td>
<td>External Services</td>
<td>15.00%</td>
<td>8,23,34,600.00</td>
<td>5,10,000.00</td>
<td>5,10,000.00</td>
</tr>
<tr>
<td>16</td>
<td>Solar system</td>
<td>80.00%</td>
<td>10,51,366.00</td>
<td>10,51,366.00</td>
<td>10,51,366.00</td>
</tr>
<tr>
<td>17</td>
<td>Work in Progress</td>
<td>0.00%</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>18</td>
<td>TNC/CMHS Fixed Assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bill Board display</td>
<td>10.00%</td>
<td>2,30,300.00</td>
<td>2,30,300.00</td>
<td>2,30,300.00</td>
</tr>
<tr>
<td>19</td>
<td>Display Media</td>
<td>10.00%</td>
<td>-</td>
<td>1,98,000.00</td>
<td>1,98,000.00</td>
</tr>
<tr>
<td>20</td>
<td>Digital Survey Meter</td>
<td>15.00%</td>
<td>-</td>
<td>48,48,000.00</td>
<td>48,48,000.00</td>
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<tr>
<td>21</td>
<td>Equiments</td>
<td>15.00%</td>
<td>-</td>
<td>35,23,600.00</td>
<td>35,23,600.00</td>
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<td>22</td>
<td>L/T Display</td>
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<td>1,18,14,141.00</td>
<td>1,18,14,141.00</td>
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<tr>
<td>23</td>
<td>Computers</td>
<td>60.00%</td>
<td>9,49,409.00</td>
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<td>9,49,409.00</td>
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<tr>
<td>24</td>
<td>Mobile</td>
<td>60.00%</td>
<td>33,00,000.00</td>
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<td>33,00,000.00</td>
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<tr>
<td>25</td>
<td>Printers</td>
<td>60.00%</td>
<td>8,21,200.00</td>
<td>2,72,640.00</td>
<td>2,72,640.00</td>
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<tr>
<td>26</td>
<td>Power Sub Station</td>
<td>80.00%</td>
<td>8,41,352.00</td>
<td>8,41,352.00</td>
<td>8,41,352.00</td>
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<tr>
<td>27</td>
<td>TOTAL</td>
<td></td>
<td>1,28,06,42,237.00</td>
<td>73,02,06,620.00</td>
<td>94,41,888.00</td>
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</table>
FORM OF FINANCIAL STATEMENTS (NON - PROFIT ORGANISATIONS)

Name of Entity : JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.3.2015

<table>
<thead>
<tr>
<th>SCHEDULE 9 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Government Securities</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Other approved Securities</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Shares</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Debentures and Bonds</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Subsidiaries and Joint Ventures</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Others (to be specified)</td>
<td>-</td>
<td>-</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
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</table>

<table>
<thead>
<tr>
<th>SCHEDULE 10- INVESTMENTS - OTHERS</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
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<tbody>
<tr>
<td>In Government Securities</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Other approved Securities</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Shares</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Debentures and Bonds</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Subsidiaries and Joint Ventures</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Others (to be specified)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Schedule 11 - CURRENT ASSETS, LOANS, and ADVANCES ETC.</td>
<td>Current Year 2014-2015</td>
<td>Previous Year 2013-2014</td>
</tr>
<tr>
<td>------------------------------------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td><strong>A. CURRENT ASSETS:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1. Inventories:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Stores and Spares</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Disinfectant Store</td>
<td>16,23,771</td>
<td>20,08,283</td>
</tr>
<tr>
<td>- Surgical Dressing Store</td>
<td>32,36,496</td>
<td>80,47,782</td>
</tr>
<tr>
<td>- Chemical Store</td>
<td>5,99,351</td>
<td>5,26,282</td>
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<tr>
<td>- Tablet Store</td>
<td>1,45,92,505</td>
<td>1,14,01,675</td>
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<tr>
<td>- Linen Store</td>
<td>1,25,20,233</td>
<td>1,10,92,122</td>
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<tr>
<td>- Steriliser Store</td>
<td>1,61,66,214</td>
<td>1,55,43,685</td>
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<tr>
<td>- Injection Store</td>
<td>4,02,23,260</td>
<td>3,23,37,430</td>
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<tr>
<td>- Diesels</td>
<td>1,58,760</td>
<td>-</td>
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<tr>
<td>- Dietics</td>
<td>7,48,339</td>
<td>-</td>
</tr>
<tr>
<td>- Laundry</td>
<td>1,09,541</td>
<td>-</td>
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<tr>
<td>- LPG Cylinder</td>
<td>6,250</td>
<td>-</td>
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<tr>
<td>- Medical Gases store</td>
<td>15,094</td>
<td>-</td>
</tr>
<tr>
<td>- Radiodiagnosis</td>
<td>28,12,948</td>
<td>-</td>
</tr>
<tr>
<td>- Central stores - instrumental</td>
<td>56,70,777</td>
<td>-</td>
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<tr>
<td>- Central stores - sanitary Items</td>
<td>2,22,456</td>
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<tr>
<td>- Central stores - sutures</td>
<td>67,82,951</td>
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<tr>
<td>- Central stores - Workshop</td>
<td>10,30,656</td>
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</tr>
<tr>
<td><strong>b) Loose Tools</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>c) Stock-in-trade</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finished Goods</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Work-in-Progress</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Raw Materials</td>
<td>-</td>
<td>-</td>
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<tr>
<td><strong>2. Sundry Debtors:</strong></td>
<td></td>
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<tr>
<td>a) Debts Outstanding for a period exceeding six months</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Others</td>
<td>-</td>
<td>-</td>
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<tr>
<td><strong>3. Cash balances in hand</strong></td>
<td></td>
<td></td>
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<tr>
<td>- Cash on hand with cashier</td>
<td>10,42,574</td>
<td>2,84,93,433</td>
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<tr>
<td>- Cash on hand - GFATM - College of Nursing</td>
<td>866</td>
<td>10,43,440</td>
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</tbody>
</table>
### Schedule 11 - CURRENT ASSETS, LOANS, and ADVANCES ETC.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a) With Scheduled Banks:</strong></td>
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<tr>
<td>GIA SBI Account No: 2008</td>
<td>(24,80,62,210)</td>
<td>5,86,15,188</td>
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<tr>
<td>-Sweep A/c No: 34188922440</td>
<td>18,13,47,833</td>
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<tr>
<td>-Sweep A/c No: 34745645324</td>
<td>44,79,36,274</td>
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<tr>
<td>-Sweep A/c No: 33741345356</td>
<td>6,73,15,846</td>
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<tr>
<td>-Sweep A/c No: 3369287386</td>
<td>18,75,42,720</td>
<td>63,10,79,063</td>
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<tr>
<td>JIPMER Revenue A/c No: 30749579504</td>
<td>20,11,329</td>
<td>1,04,50,145</td>
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<tr>
<td>-Sweep A/c No: 3402573313</td>
<td>20,18,660</td>
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<tr>
<td>-Sweep A/c No: 34730218280</td>
<td>27,08,497</td>
<td>67,38,486</td>
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<tr>
<td>Donation Campaign -33706129327</td>
<td>50,576</td>
<td>15,00,450</td>
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<tr>
<td>-Sweep A/c No: 34829151322</td>
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<tr>
<td>-Sweep A/c No: 34652149254</td>
<td>33,000</td>
<td>-</td>
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<tr>
<td>-Sweep A/c No: 34485834112</td>
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<td>-</td>
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<tr>
<td>-Sweep A/c No: 34457353919</td>
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<td>-Sweep A/c No: 3443438818</td>
<td>53,95,000</td>
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<tr>
<td>-Sweep A/c No: 34531730087</td>
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<tr>
<td>-Sweep A/c No: 34700664727</td>
<td>60,000</td>
<td>57,39,576</td>
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<td>Specific Fund -1010150209</td>
<td>2,44,18,672</td>
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<tr>
<td>-Sweep A/c No: 34025723175</td>
<td>94,88,266</td>
<td>3,38,66,938</td>
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<td>BOB-98340100002673</td>
<td>40,849</td>
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<td>BOB-98340100002704</td>
<td>2,077</td>
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<tr>
<td>BOB-98340100002732</td>
<td>1,180</td>
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<td>BOB-98340100002706</td>
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<td>BOB-98340100002757</td>
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<td>NODAL SRF-333852320420</td>
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<tr>
<td>SBI-33577012368</td>
<td>16,924</td>
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<tr>
<td>SBI-33674265036</td>
<td>1,29,792</td>
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<tr>
<td>SBI-33333104474</td>
<td>31,20,589</td>
<td>6,10,76,063</td>
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<tr>
<td>SBI-3461917698</td>
<td>(7,27,057)</td>
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<tr>
<td>-Sweep A/c No: 34625957526</td>
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<td>2,54,943</td>
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<tr>
<td>SBI-34619147009</td>
<td>(6,23,228)</td>
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<tr>
<td>-Sweep A/c No: 34625956872</td>
<td>82,000</td>
<td>1,99,772</td>
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</tbody>
</table>
### Schedule 11: CURRENT ASSETS, LOANS, and ADVANCES ETC.

<table>
<thead>
<tr>
<th>Account Description</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBI-34429757905</td>
<td>(25,64,618)</td>
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<tr>
<td>- Sweep A/C No 34429757905</td>
<td>16,14,000</td>
<td>49,362</td>
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<tr>
<td>SBI-3442975286</td>
<td>(6,73,150)</td>
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<tr>
<td>- Sweep A/C No 3442975286</td>
<td>8,33,333</td>
<td>1,59,850</td>
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<tr>
<td>TN Chief Minister Insurance Scheme - SBI A/c - 32959920453</td>
<td>11,27,536</td>
<td>2,16,28,759</td>
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<tr>
<td>- Sweep A/C No 34703124776</td>
<td>11,14,72,385</td>
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<tr>
<td>- Sweep A/C No 34750857796</td>
<td>38,41,000</td>
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<tr>
<td>- Sweep A/C No 34863971405</td>
<td>12,23,000</td>
<td>12,05,83,901</td>
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<tr>
<td>GFATM - College of Nursing - 3083211903</td>
<td>4,01,982</td>
<td>26,492</td>
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<tr>
<td>Recovery Account - SBI 31545900668</td>
<td>50,83,666</td>
<td>46,93,547</td>
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<td>Health Minister Cancer patient - BOB - 9834010000002219</td>
<td>8,99,705</td>
<td>8,68,160</td>
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<tr>
<td>MS RAN - BOB - 9834020000000001</td>
<td>6,17,00,119</td>
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<tr>
<td>Specific Purpose - BOB - 9834002000000001</td>
<td>19,68,924</td>
<td>12,72,193</td>
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<td>Poor Fund Account SBI A/c No 201000111703</td>
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<td>27,411</td>
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<td>Power Jyoti</td>
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<td>25,00,000</td>
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<td>MBBS BOB 984302000000013</td>
<td>47,96,494</td>
<td>4,58,04,587</td>
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<td>MD MS BOB 98430200000012</td>
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<td>1,57,31,000</td>
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<td>MD/MS entrance Examination A/c - 98340200000017</td>
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<td>MH PhD A/c - 98340200000014</td>
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<td>SBI Bank Guarantee - 33270751656</td>
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<td>EPP A/c No 34704699857</td>
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<td>Patients Fund Account - BOB- 98340200000010</td>
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<td>2,00,00,000</td>
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<td>Dean ICP A/c - 30339426442</td>
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<td>DM/MCH Fellowship A/c - 33023822078</td>
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<td>SBI - 30011843062</td>
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<td>SBI - 30163236562</td>
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<td>SBI - 30903565281</td>
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<td>SBI - 30662065943</td>
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<td>SBI - 35782303851-8MD</td>
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<td>HBCR-BOB 9834010000289</td>
<td>2,59,219</td>
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<td>College of Nursing Student - 983401000000273</td>
<td>49,57,090</td>
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<td>Regional Cancer -IV Daya - 98340100000011</td>
<td>21,58,822</td>
<td>7,08,87,230</td>
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</tbody>
</table>

Jawaharlal Institute of Postgraduate Medical Education and Research
### Schedule 11: CURRENT ASSETS, LOANS, and ADVANCES ETC.

<table>
<thead>
<tr>
<th>Description</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>b) With non-Scheduled Banks:</td>
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<tr>
<td>On Current Accounts</td>
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</tr>
<tr>
<td>On Deposit Accounts</td>
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<tr>
<td>On Saving Accounts</td>
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<tr>
<td><strong>5. Balances in Fixed Deposit:</strong></td>
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<tr>
<td>- Endowment Fund - Cash Section FDR</td>
<td>18,20,734</td>
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<tr>
<td>- Other Fund - Purchase Section FDR</td>
<td>7,77,900</td>
<td>7,77,900</td>
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<tr>
<td>- LC Deposit</td>
<td>-</td>
<td>81,89,817</td>
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<tr>
<td>- JIPMER Revenue fund FDR</td>
<td>74,98,20,345</td>
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<tr>
<td>- Specific Research Fund</td>
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<td>75,00,000</td>
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<tr>
<td>- GIA A/C FDR</td>
<td>-</td>
<td>14,79,188</td>
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<tr>
<td>- PFA - FDR</td>
<td>10,24,442</td>
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<tr>
<td>- Flexi Deposits (surat/bill)</td>
<td>-</td>
<td>76,16,21,520</td>
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<tr>
<td>On Saving Accounts</td>
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<tr>
<td><strong>TOTAL (A)</strong></td>
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<td>1,88,80,87,944</td>
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<td></td>
<td>1,88,56,87,944</td>
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### Schedule 11 - CURRENT ASSETS, LOANS, and ADVANCES ETC.

<table>
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<tr>
<th>B. LOANS, ADVANCES AND OTHER ASSETS</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Loans:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Staff</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Other entities engaged in activities similar to that of the Entity</td>
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<td>-</td>
</tr>
<tr>
<td>c) Other (specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1. HLL Advance</td>
<td>-</td>
<td>38,03,28,996</td>
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<tr>
<td>2. CPWD Advance</td>
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<td>8,85,92,871</td>
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<tr>
<td>3. LC Payments</td>
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<td>-</td>
</tr>
<tr>
<td>4. Advance for Vehicle Purchase</td>
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</tr>
<tr>
<td>5. Information &amp; Technology (BSNL)</td>
<td>36,80,143</td>
<td>37,05,252</td>
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<tr>
<td>6. Oxygen Cylinder Deposit</td>
<td>5,950</td>
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<tr>
<td>6. Advance for Enhancement of Electricity Connection</td>
<td>26,21,000</td>
<td>47,52,48,119</td>
</tr>
<tr>
<td>2. Advances and other amounts recoverable in cash or in kind or for value to be received:</td>
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<td></td>
</tr>
<tr>
<td>a) On Capital Account</td>
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<tr>
<td>b) Prepayments (Advance for Dept.)</td>
<td>46,13,33,103</td>
<td>37,46,33,610</td>
</tr>
<tr>
<td>c) Prepayments (Advance for Dept.) - TNCMCHIS Insurances</td>
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<td>37,46,33,610</td>
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<tr>
<td>3. Income Accrued</td>
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<tr>
<td>a) On Investments from Earmarked/Endowment Funds</td>
<td>-</td>
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</tr>
<tr>
<td>b) On Investments – Others (GIA Account &amp; Receipt FDs)</td>
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<td>2,08,71,549</td>
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<tr>
<td>c) On Loans and Advances</td>
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</tr>
<tr>
<td>- HLL Interest</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>- Letter of Credit Interest</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>d) Others (includes income due unrealized- Rs...)</td>
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<td>2,08,71,549</td>
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<tr>
<td>3. other Asset:</td>
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<td></td>
</tr>
<tr>
<td>a) Prepaid Subscription</td>
<td>-</td>
<td>1,05,77,085</td>
</tr>
<tr>
<td>b) Tds - Insurances</td>
<td>1,67,12,253</td>
<td>25,29,300</td>
</tr>
<tr>
<td>C) Tds - Others</td>
<td>2,47,720</td>
<td>1,69,59,973</td>
</tr>
<tr>
<td>4. Receivable</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>- Insurance Claim from TNCMCHIS</td>
<td>-</td>
<td>4,32,16,261</td>
</tr>
<tr>
<td>- Grant - Aid Receivable</td>
<td>20,00,00,000</td>
<td>-</td>
</tr>
<tr>
<td>- Licence Fees Receivable</td>
<td>2,79,315.00</td>
<td>4,34,95,576</td>
</tr>
<tr>
<td>TOTAL (B)</td>
<td>76,91,96,594</td>
<td>92,73,55,239</td>
</tr>
<tr>
<td>TOTAL (A+B)</td>
<td>2,51,41,95,801</td>
<td>2,81,64,43,183</td>
</tr>
</tbody>
</table>
### SCHEDULE 12: INCOME FROM SALES/SERVICES

<table>
<thead>
<tr>
<th>Description</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Academic Section</td>
<td>Through Pay Bill &amp; Cash Receipt</td>
</tr>
<tr>
<td>1) Income from Sales</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Sale of Application Forms</td>
<td>19,91,600</td>
<td>3,57,50,300</td>
</tr>
<tr>
<td>(i) Academic Fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii) ISA Fees</td>
<td>14,24,000</td>
<td></td>
</tr>
<tr>
<td>(iii) Learning Resources Fees</td>
<td>3,02,000</td>
<td></td>
</tr>
<tr>
<td>(iv) Fines Fees</td>
<td>24,300</td>
<td></td>
</tr>
<tr>
<td>(v) Re-Admission Fees</td>
<td>8,800</td>
<td></td>
</tr>
<tr>
<td>b) Exam Fee Receipts</td>
<td>51,80,357</td>
<td>17,59,47,780</td>
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<tr>
<td>c) Sale of Scrap</td>
<td>18,97,750</td>
<td>13,97,750</td>
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<tr>
<td>d) Sale of Tender</td>
<td>5,05,178</td>
<td>5,05,178</td>
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<tr>
<td>2) Income from Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Guest House</td>
<td>11,51,412</td>
<td>11,51,412</td>
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<tr>
<td>b) Licence Fee</td>
<td>78,75,562</td>
<td>78,75,562</td>
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<tr>
<td>c) RTI Fee</td>
<td>5,020</td>
<td>5,020</td>
</tr>
<tr>
<td>d) Notice Period</td>
<td>70,39,808</td>
<td>70,39,808</td>
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<tr>
<td>e) ID Card</td>
<td>1,01,862</td>
<td>1,01,862</td>
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<tr>
<td>f) Community Hall &amp; Auditorium Rent</td>
<td>19,18,174</td>
<td>19,18,174</td>
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<tr>
<td>g) Hospital Receipts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Cash Receipts</td>
<td>1,44,81,457</td>
<td>1,44,81,457</td>
</tr>
<tr>
<td>- Insurance Claim from TNMCCHIS</td>
<td>14,19,17,897</td>
<td>14,19,17,897</td>
</tr>
<tr>
<td>h) Electrical Charges</td>
<td>1,84,462</td>
<td>1,84,462</td>
</tr>
<tr>
<td>i) Playground service</td>
<td>38,250</td>
<td>38,250</td>
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<tr>
<td>j) Penalty</td>
<td>69,26,706</td>
<td>69,26,706</td>
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<tr>
<td>k) Library Fee</td>
<td>1,00,000</td>
<td>1,00,000</td>
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<tr>
<td>m) Hostel Receipts</td>
<td>31,08,000</td>
<td>7,68,000</td>
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<tr>
<td>n) Water Charges</td>
<td>49,770</td>
<td>49,770</td>
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<tr>
<td>o) Other Income</td>
<td>7,53,034</td>
<td>7,53,034</td>
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<tr>
<td>P) Prior period Income</td>
<td>7,43,09,307</td>
<td>7,43,09,307</td>
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<tr>
<td>Schedule 12: Income From Sales/Services</td>
<td>Current Year 2014-2015</td>
<td>Previous Year 2013-2014</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td></td>
<td>Academic Section</td>
<td>Through Pay Bill &amp; Cash Receipt</td>
</tr>
<tr>
<td>q) EL Encashment</td>
<td>-</td>
<td>5,25,886</td>
</tr>
<tr>
<td>r) Immediate relief</td>
<td>-</td>
<td>45,625</td>
</tr>
<tr>
<td>s) Interim Fee</td>
<td>-</td>
<td>30,000</td>
</tr>
<tr>
<td>t) Learning Resource Fee</td>
<td>-</td>
<td>7,02,000</td>
</tr>
<tr>
<td>u) Medical Check Up</td>
<td>-</td>
<td>47,250</td>
</tr>
<tr>
<td>v) National Course Fee</td>
<td>-</td>
<td>1,92,000</td>
</tr>
<tr>
<td>w) Over Payment</td>
<td>-</td>
<td>36,25,505</td>
</tr>
<tr>
<td>x) Parking Fee</td>
<td>-</td>
<td>1,18,300</td>
</tr>
<tr>
<td>y) Registration Fee</td>
<td>-</td>
<td>5,880</td>
</tr>
<tr>
<td>z) Sale Of Rabbit</td>
<td>-</td>
<td>15,350</td>
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<tr>
<td>a) Sale Of Weeded Case Sheet</td>
<td>-</td>
<td>1,44,515</td>
</tr>
<tr>
<td>b) Training Course</td>
<td>-</td>
<td>26,500</td>
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<tr>
<td>c) Stipend</td>
<td>-</td>
<td>95,196</td>
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<tr>
<td>d) Unspent Advance Amount</td>
<td>-</td>
<td>(8,46,012)</td>
</tr>
<tr>
<td>e) Unclaimed salary</td>
<td>-</td>
<td>11,33,155</td>
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<tr>
<td>f) Donation</td>
<td>-</td>
<td>42,88,372</td>
</tr>
<tr>
<td>g) Specific Research Fees</td>
<td>-</td>
<td>9,95,000</td>
</tr>
<tr>
<td>h) Scholarship</td>
<td>-</td>
<td>1,63,615</td>
</tr>
<tr>
<td>i) Misc Receipts</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>89,31,097</td>
<td>48,25,77,969</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td></td>
<td>Academic Section</td>
<td>Through Pay Bill &amp; Cash Receipt</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCHEDULE 13: GRANTS/SUBSIDIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Irrevocable Grants &amp; Subsidies Received)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Central Government</td>
<td>1,81,06,46,701</td>
<td>2,05,27,98,842</td>
</tr>
<tr>
<td>2) State Government(s)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3) Government Agencies - (Drug De Addiction)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>(Central Board of Health Intelligence)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4) Institutions/ Welfare Bodies</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5) International Organizations</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6) Others (Specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1,81,06,46,701</td>
<td>2,05,27,98,842</td>
</tr>
</tbody>
</table>

|                                        | Academic Section       | Through Pay Bill & Cash Receipt | Total |
|                                        |                        |                          |        |
|                                        |                        |                          |        |
**FORM OF FINANCIAL STATEMENTS (NON - PROFIT ORGANISATIONS)**

Name of Entity : JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2015

<table>
<thead>
<tr>
<th>SCHEDULE 14 - FEES/SUBSCRIPTIONS</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
</tr>
<tr>
<td>1) Entrance Fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Annual Fees/Subscriptions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Seminar/Program Fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) Consultancy Fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5) Others (Specify)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE** – Accounting Policies towards each item are to be disclosed.

<table>
<thead>
<tr>
<th>SCHEDULE 15- INCOME FROM INVESTMENTS</th>
<th>Current Year 2014-2015</th>
<th>Previous Year 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Income on invest. from Earmarked/Endowment Funds transferred to Funds)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Interest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) On Govt. Securities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) On Bonds/Bonds/Debentures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Dividends</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) On Shares</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) On Mutual Fund Securities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Rents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) Others (Specify)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS

<table>
<thead>
<tr>
<th></th>
<th>Previous Year 2013-2014</th>
<th></th>
</tr>
</thead>
</table>
FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity: JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2015

<table>
<thead>
<tr>
<th>SCHEDULE 16- INCOME FROM ROYALTY, PUBLICATION ETC.</th>
<th>Current Year 2014-15</th>
<th>Previous Year 2013-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Income from Royalty</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2) Income from Publications</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3) Others (specify)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SCHEDULE 17- INTEREST EARNED</th>
<th>Current Year 2014-15</th>
<th>Previous Year 2013-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) On Term Deposits:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) With Schedule Banks</td>
<td>10,31,73,684</td>
<td>14,13,43,610</td>
</tr>
<tr>
<td>b) With Non-Scheduled Banks</td>
<td>13,376</td>
<td></td>
</tr>
<tr>
<td>c) With Institutions</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>d) Others</td>
<td>10,31,87,058</td>
<td>14,13,43,610</td>
</tr>
<tr>
<td>2) On Savings Accounts:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) With Scheduled Banks</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) With Non-Scheduled Banks</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>c) Post Office Savings Accounts</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>d) Others</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3. On Loans:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Employees/ Staff</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Others</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4. Advance: HPL Advance - Interest Earned</td>
<td>1,04,57,819</td>
<td>1,04,57,819</td>
</tr>
<tr>
<td>5) Interest on Debtor’s and Other Receivables - Int</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accrued</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>11,36,44,877</td>
<td>14,13,43,610</td>
</tr>
<tr>
<td>NOTE: Tax deducted at source to be indicated</td>
<td>NII</td>
<td>NII</td>
</tr>
</tbody>
</table>
### FORM OF FINANCIAL STATEMENTS (Non – PROFIT ORGANISATIONS)

**Name of Entity:** JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2015**

<table>
<thead>
<tr>
<th>SCHEDULE 18: OTHER INCOME</th>
<th>Current Year 2014 - 2015</th>
<th>Previous Year 2013 - 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non Plan</td>
</tr>
<tr>
<td>1) Profit on Sale/disposal of Assets:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Owned assets:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>b) Assets acquired out of grants, or received free of cost</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2) Export Incentives realized</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3) Fees for Miscellaneous Service Income</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4) Miscellaneous</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TOTAL</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SCHEDULE 19: INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS &amp; WORK IN PROGRESS</th>
<th>Current Year 2014 - 2015</th>
<th>Previous Year 2013 - 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
</tr>
<tr>
<td>a) Closing stock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disinfectant Store</td>
<td>16,23,771</td>
<td>-</td>
</tr>
<tr>
<td>Surgical Dressing Store</td>
<td>32,36,496</td>
<td>-</td>
</tr>
<tr>
<td>Chemical Store</td>
<td>5,99,351</td>
<td>-</td>
</tr>
<tr>
<td>Tablet Store</td>
<td>1,45,92,505</td>
<td>-</td>
</tr>
<tr>
<td>Injection Store</td>
<td>4,02,23,260</td>
<td>-</td>
</tr>
<tr>
<td>Sterilise</td>
<td>1,61,66,214</td>
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</tr>
<tr>
<td>Linen</td>
<td>1,25,20,233</td>
<td>-</td>
</tr>
<tr>
<td>Diesel</td>
<td>1,58,760</td>
<td>-</td>
</tr>
<tr>
<td>Dietetics</td>
<td>7,48,339</td>
<td>-</td>
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<tr>
<td>Laundry</td>
<td>1,09,541</td>
<td>-</td>
</tr>
<tr>
<td>LPG Cylinder</td>
<td>6,250</td>
<td>-</td>
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<tr>
<td>Medical Gases Store</td>
<td>15,094</td>
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</tr>
<tr>
<td>Radio diagnosis</td>
<td>28,12,948,14</td>
<td>-</td>
</tr>
<tr>
<td>Central Stores- Instrumental</td>
<td>56,70,777</td>
<td>-</td>
</tr>
<tr>
<td>Central Stores -Sanitary Items</td>
<td>2,22,456</td>
<td>-</td>
</tr>
<tr>
<td>Central Stores- Sutures</td>
<td>67,82,951</td>
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</tr>
<tr>
<td>Central Stores- Workshop</td>
<td>10,30,656</td>
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</tr>
<tr>
<td>TOTAL</td>
<td>10,65,19,603</td>
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</table>

Annual Report • 2014 - 15
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>b) Opening Stock</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disinfectant Store</td>
<td>20,06,283</td>
<td>-</td>
<td>20,06,283</td>
<td>23,27,941</td>
<td>-</td>
<td>23,27,941</td>
</tr>
<tr>
<td>Surgical Dressing</td>
<td>80,47,782</td>
<td>-</td>
<td>80,47,782</td>
<td>40,20,405</td>
<td>-</td>
<td>40,20,405</td>
</tr>
<tr>
<td>Chemical Store</td>
<td>5,26,282</td>
<td>-</td>
<td>5,26,282</td>
<td>5,98,889</td>
<td>-</td>
<td>5,98,889</td>
</tr>
<tr>
<td>Tablet Store</td>
<td>1,14,01,675</td>
<td>-</td>
<td>1,14,01,675</td>
<td>90,26,878</td>
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<td>90,26,878</td>
</tr>
<tr>
<td>Injection Store</td>
<td>3,23,37,430</td>
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<td>3,23,37,430</td>
<td>2,53,37,030</td>
<td>-</td>
<td>2,53,37,030</td>
</tr>
<tr>
<td>Sterile</td>
<td>1,55,43,685</td>
<td>-</td>
<td>1,55,43,685</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Linen</td>
<td>1,10,92,122</td>
<td>-</td>
<td>1,10,92,122</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Net Increase/Decrease</strong></td>
<td>2,55,62,344</td>
<td>-</td>
<td>2,55,62,344</td>
<td>3,95,16,116</td>
<td>-</td>
<td>3,95,16,116</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>--------------------------</td>
<td>---------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Salaries (including Drug De Addiction)</td>
<td>60,51,47,184</td>
<td>62,55,72,419</td>
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<td></td>
<td></td>
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<td>b) Wages</td>
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<td>6,80,42,487</td>
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<td></td>
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<tr>
<td>c) Allowances and Bonus</td>
<td>81,24,38,923</td>
<td>75,67,53,588</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>d) Contribution to Provident Fund</td>
<td>-</td>
<td>91,62,551</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>e) Contribution to Other Fund (NPS)</td>
<td>7,89,45,148</td>
<td>3,69,06,663</td>
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<td></td>
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<tr>
<td>f) Expenses on Employees’ retirement &amp; Terminal Benefits</td>
<td>14,56,183</td>
<td>7,37,44,008</td>
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<tr>
<td>g) Others (specify) Salary for Contract Staff</td>
<td>2,80,23,485</td>
<td>2,80,23,485</td>
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<td><strong>TOTAL</strong></td>
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<td>1,57,01,81,696</td>
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Jawaharlal Institute of Postgraduate Medical Education and Research

Annual Report • 2014 - 15
### FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity : JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2015**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
</tr>
<tr>
<td><strong>Office Expenses:</strong></td>
<td></td>
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<tr>
<td>- Advertisement Charges</td>
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<td>- Chaplains for Group-D</td>
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<td>1,18,900</td>
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<td>- Electricity Charges</td>
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<td>8,86,60,113</td>
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<td>- Furniture - Office Expenses</td>
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<td>14,86,031</td>
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<td>- Miscellaneous - Office Expenses</td>
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<td>86,94,506</td>
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<td>(i) Learning Resource Allowances</td>
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<td>1,55,76,616</td>
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<td>- Staff Recreation Club</td>
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<td>- Payment of Legal Fees</td>
<td>10,67,469</td>
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<td>- Petty Expenses</td>
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<td>22,76,413</td>
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<td>- Quality Council &amp; Quality Improvement</td>
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<td>57,24</td>
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<td>- Reimbursement of Newspaper</td>
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<td>1,65,215</td>
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<td>- Stationery &amp; Printing Charges</td>
<td>23,31,166</td>
<td>43,79,228</td>
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<td>- Student Cultural/Articles</td>
<td>-</td>
<td>7,67,023</td>
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<td>- Telephone &amp; Postal Charges</td>
<td>23,56,448</td>
<td>27,22,114</td>
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<td><strong>Supplies and Materials:</strong></td>
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<td>- Drugs</td>
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<td>3,34,55,308</td>
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<td>- Catgut/Suture Material</td>
<td>1,23,99,482</td>
<td>51,79,125</td>
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<td>- Fuel For Motor Vehicles V/LD oil For Generator</td>
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<td>54,25,419</td>
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<td>- Lab Animals</td>
<td>-</td>
<td>5,56,87,218</td>
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<td>- Linen For Patients</td>
<td>81,13,539</td>
<td>39,38,449</td>
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<td>Material For Workshop</td>
<td>-</td>
<td>25,040</td>
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<td>- Medical Oxygen</td>
<td>21,67,784</td>
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<td>- Reagent Kits/Chemical</td>
<td>2,46,00,014</td>
<td>3,46,88,640</td>
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<td>- Supplies &amp; Material</td>
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<td>8,57,85,298</td>
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<td>- Surgical Items</td>
<td>1,00,42,592</td>
<td>9,90,16,647</td>
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</table>
### FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

**Name of Entity:** JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2015**

<table>
<thead>
<tr>
<th>SCHEDULE 21- OTHER ADMINISTRATIVE EXPENSES ETC.</th>
<th>Current Year 2014 - 2015</th>
<th>Previous Year 2013 - 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plan</td>
<td>Non-Plan</td>
</tr>
<tr>
<td>- X-Ray Films</td>
<td>1,76,932</td>
<td>56,48,051</td>
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<tr>
<td>Information Technology</td>
<td>56,75,019</td>
<td>56,75,019</td>
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<tr>
<td>Machinery &amp; Equipment Expenses</td>
<td>14,45,931</td>
<td>36,07,323</td>
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<td>Building Maintenance – Minor Repair</td>
<td>4,11,01,822</td>
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<td>Repair &amp; Maintenance (Motor Vehicles)</td>
<td>5,03,522</td>
<td>11,52,886</td>
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<td>Other Charges - Contingent Stores &amp; Hospital Waste</td>
<td>29,56,398</td>
<td>51,28,890</td>
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<td>Professional Services</td>
<td>40,42,765</td>
<td>40,42,765</td>
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<td>Rent, Rates &amp; Taxes</td>
<td>10,80,000</td>
<td>10,80,000</td>
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<td>Repairs &amp; Maintenance (Plant &amp; Machinery)</td>
<td>2,68,13,943</td>
<td>2,93,09,526</td>
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<td>Travelling expenses</td>
<td>1,20,81,112</td>
<td>65,37,442</td>
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<td>Scholarships/ Stipend</td>
<td>1,56,33,400</td>
<td>1,56,33,400</td>
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<tr>
<td>Research &amp; Activities</td>
<td>2,48,335</td>
<td>1,54,65,218</td>
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<td>Revenue Expenses</td>
<td>5,06,01,510</td>
<td>33,99,756</td>
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<td>ID Card Charges</td>
<td>4,48,340</td>
<td>4,48,340</td>
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<td>Audit Fees</td>
<td>1,74,850</td>
<td>1,74,850</td>
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<td>Bank Charges</td>
<td>7,23,489</td>
<td>6,05,501</td>
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<tr>
<td>Repairs &amp; Maintenance (Computer)</td>
<td>5,54,388</td>
<td>9,54,388</td>
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<tr>
<td>Creation of Capital Asset</td>
<td>11,11,98,687</td>
<td>11,11,98,687</td>
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<tr>
<td>Meeting Expenses</td>
<td>1,12,675</td>
<td>1,12,675</td>
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<td>Educational &amp; Awareness Programme Expenses</td>
<td>15,84,028</td>
<td>53,94,393</td>
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<td>Delegation Fees</td>
<td>11,98,463</td>
<td>11,98,463</td>
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<td>Entrance Exam Expenses</td>
<td>6,06,32,636</td>
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<td>Legal Cases Charges - Chandrasekhar</td>
<td>15,00,000</td>
<td>15,00,000</td>
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<td>Prior Period Expenses</td>
<td>1,08,20,007</td>
<td>2,39,97,324</td>
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<td>Other Expenses</td>
<td>11,96,095</td>
<td>11,96,095</td>
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<td>NCIMCHIS - Insurance Expenses</td>
<td>3,09,02,032</td>
<td>3,09,02,032</td>
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(Amount - Rs)
<table>
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<tr>
<th>Description</th>
<th>Current Year 2014 - 2015</th>
<th>Previous Year 2013 - 2014</th>
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</thead>
<tbody>
<tr>
<td>Total</td>
<td>21,03,49,509</td>
<td>87,57,3,119</td>
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<td>(i) Gifts &amp; mementos</td>
<td>16,40,000</td>
<td>16,40,000</td>
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<tr>
<td>(ii) Salary</td>
<td>1,12,661</td>
<td>1,12,661</td>
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<tr>
<td>(iii) Printing &amp; stationery Expenses</td>
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<td>13,163</td>
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<td>(iv) Telephone Expenses</td>
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<td>82,600</td>
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<tr>
<td>(v) Visiting Fees</td>
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<td>5,73,820</td>
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<td>(vi) Accounting Charges</td>
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<tr>
<td>(vii) Audit Fees</td>
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<tr>
<td>(viii) Bank Charges</td>
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(Amount - Rs)
## SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.

<table>
<thead>
<tr>
<th></th>
<th>Current Year 2014 - 2015</th>
<th>Previous Year 2013 - 2014</th>
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</thead>
<tbody>
<tr>
<td>a) Grants given to Institutions/Organizations</td>
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<td>-</td>
</tr>
<tr>
<td>b) Subsidies given to Institutions/Organizations</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
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*NOTE: Name of the Entities, their Activities along with the amount of Grants/Subsidies are to be disclosed.*

## SCHEDULE 23 - INTEREST

<table>
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<tr>
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<th>Current Year 2014 - 2015</th>
<th>Previous Year 2013 - 2014</th>
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</thead>
<tbody>
<tr>
<td>a) On Fixed Loans</td>
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<tr>
<td>b) On Other Loans (Including Bank Charges)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>c) Others (specify)</td>
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<td>-</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>-</td>
<td>-</td>
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<tr>
<td>Sundry Creditors: Annexure -A</td>
<td>Rs. P.</td>
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<tr>
<td>-------------------------------</td>
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<tr>
<td>Accure Pharma</td>
<td>2,97,900.00</td>
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<tr>
<td>Albert Medicals</td>
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<td>Alto Medical Systems</td>
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<td>Asiatic Pharma Care</td>
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<tr>
<td>Balaji Pharma Enterprises</td>
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<td>Benson Medical Devices</td>
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<td>Biognosys Tech Pvt. Ltd.</td>
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<td>BI Life Science Pvt Ltd</td>
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<td>City Medicals</td>
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<td>Dharshini Associates</td>
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<td>Dil &amp; Co</td>
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<td>Eureka</td>
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<td>Ever Green Enterprises</td>
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<td>Galaxy Enterprises</td>
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<td>Ganapathy Trading Company</td>
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<td>General Surgical Company</td>
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<td>Hebe Health Care Pvt. Ltd.</td>
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<td>Indian Medical Services</td>
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<td>Iris Meditech</td>
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<td>Kalki Medicals</td>
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<td>Medi Globe Systems</td>
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<td>Meditronix Corporation</td>
<td>1,76,000.00</td>
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<td>Metrolabs</td>
<td>58,800.00</td>
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<td>MLI Electronics</td>
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<td>Mowi Diagnostics</td>
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<td>Nucleus Technologies</td>
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<td>Numa Clinical Laboratory Services</td>
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<td>Prem Pharma Agency</td>
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<td>Radimage Healthcare India</td>
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<td>Saxsons Biotech Pvt Ltd</td>
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<td>SM Medicare Chennai</td>
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<td>Southern India Scientific Corporation</td>
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<td>South Point Marketing Pvt Ltd.</td>
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<td>Spam Health Care</td>
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<td>Name</td>
<td>Amount</td>
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<td>----------------------------------------</td>
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<td>S.P. Meditech Pvt. Ltd.</td>
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<td>Sriga Enterprises</td>
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<td>Sri Rajendra Scientific Surgical Instruments</td>
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<td>Sri Sal Ekdaon Surgical Instruments</td>
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<td>Sri Vetri Scientific Company</td>
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<td>Sri Vetri Scientifics</td>
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<td>Star Equipments and Surgical Instruments</td>
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<td>Subra Scientific</td>
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<td>Suyog</td>
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<td>The National Scientific Suppliers</td>
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<td>Vaishnavi Surgical Instruments</td>
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<td>Vascular Concepts</td>
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<td>Vikram Life Care</td>
<td>3,32,010.00</td>
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<td>Vishat Diagnostics</td>
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<td>Zephyr Bio Medicals</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>97,29,382.01</strong></td>
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</tbody>
</table>
JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER), PONDICHERRY.

Schedule 25 – Significant Accounting Policies

Organisation and nature of Activities:
Jawaharlal Institute of Postgraduate Medical Education and Research, popularly known as JIPMER, is an Institute of National Importance and a Tertiary Care Referral Hospital, is an autonomous body passed by an Act of Parliament on 14th July 2008 under the direct administrative control of the Ministry of Health and Family Welfare, Government of India.

The main functions of this Institute are:

- To impart quality education in Under-graduate and Post-graduate medical and Paramedical courses.
- To set trends in Medical Research and
- To offer patient care of high order.

Financial Statement Presentation:
The accompanying financial statements have been prepared on accrual basis of accounting in accordance with the generally accepted accounting policies based on the guidelines contained in the Manual of Instruction of Audit of Autonomous Bodies (Non-Profit Organisations) Volume II of Comptroller and Auditor General of India.

AS – 1: Disclosure of Accounting Policies:
- The Financial Statements are prepared under historical cost convention and books of accounts are maintained on accrual basis as going concern.

AS – 2: Valuation of Inventories:
Inventories are valued at Lower of Cost or Net Realisable value; Cost is ascertained on FIFO basis in accordance with method of valuation prescribed by the Institute of Chartered Accountants of India. Stock-in-trade is valued at Cost of Purchase and includes all expenses incurred in bringing the material to their present location and condition. The break-up of Purchases, Opening Stock and Closing Stock in respect of Inventories is reflected in Schedule-11 under the head “Current Assets, Loans and Advances”.

AS – 5: Net Profits or Loss for the period, Prior Period Items and Changes in Accounting Policies:

Surplus/Deficit for the period:
- All Items of Income and Expense in the period are included in Income and Expenditure Account
for the period, unless specifically mentioned elsewhere in the Financial Statements or is required by an Accounting Standard.

### Prior Period Expenses/ Income:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Head of Account</th>
<th>Year in which it Related</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Prior Period Expenses:</td>
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<td>1</td>
<td>Electricity charges</td>
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<td></td>
<td>Prior Period Income:</td>
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<tr>
<td>2</td>
<td>Interest on HLL Advance</td>
<td>2011-12 to 2013-14</td>
<td>7,43,09,307</td>
</tr>
</tbody>
</table>

### Accounting Policies:

- There are no changes in accounting policies of the constitution from that of previous year.

### AS – 6: Depreciation Accounting:

- Depreciation is provided on Written Down Method as per the rates prescribed in the Income Tax Act, 1961. Depreciation on Assets purchased and put to use for more than 180 days during the year are eligible for full depreciation, and Assets purchased and put to use for less than 180 days are eligible for 50% of the normal depreciation.

### AS – 9: Revenue Recognition:

- The Income from Sale of Services is recognised at the point of completion of service to the patient and income in respect of Sale of Application Forms, Fees Collections from Students are recognised at the point of receipt.

### AS – 10: Accounting for Fixed Assets:

- The Gross Block of Fixed Assets are shown at the cost of acquisition, which includes taxes, duties, (Net of exchange differences, credit available) and other identifiable direct expenses incurred upto the date the asset is put to use.

### AS – 11: Accounting for effects in Foreign Exchange Values:

- Transactions denominated in foreign currency towards purchase of assets are made at the exchange rate prevailing at the date of transaction. No exchange difference has been recognised in accounts.

### AS – 12: Accounting for Government Grants:

- The Institution has received Grants from Govt. of India for Plans and Non-Plan Expenses. The Grants received are credited to separate Funds Account and there is transfer of funds to Income and Expenditure Account for Grants utilised during the relevant year.

- During the financial year 2014-15, the funds available for Institution is Rs.436,44,08,000/- out of which Rs.376,43,00,000/- received from Govt. of India and Rs.60,12,08,000/- was brought forward from previous financial year as unspent amount. Out of available funds, the Institute has utilised Rs.386,34,45,543/- towards revenue which was transferred to Income and Expenditure Account for matching expenses incurred and Rs.24,99,68,538/- was incurred towards Capital Expenditure. Hence, it was transferred to Corpus Fund. In addition to Plan and Non-plan Regular Grants, the institute has also received the following Grants:
i. CBHI -- Rs. 5,00,000/-

ii. Oversight Committee -- Rs. 27,43,00,000/-

- The above Grants/aid are credited to concerned fund account directly and expenses are debited to the accounts directly.

- The Institute also received Earmarked Funds for specific purposes which were directly credited to such fund accounts and utilizations were directly debited to the concerned funds.

**AS – 13: Accounting for Investments:**

- The funds have been invested in short term Bank Deposits, pending for utilisation, and all deposits are treated as Current Investments only.

**AS – 15: Employee Benefits:**

- No Provision has been made for Employees Benefits. At present, Employees Benefit are accounted on cash basis.

**AS – 22: Accounting for Taxes on Income.**

- The JIPMER, being as Non-Profit Organization, is registered u/s 12A of the Income-Tax Act. Hence, this Standard is not applicable.

(R.Senthilnathan)
Finance & Chief Accounts Officer
Schedule 26 – Notes forming part of the Accounts

The General Provident Fund Account (Balance Sheet) is maintained separately and separate Balance Sheet is prepared for the same.

The following Fund Account has been incorporated in accounts on the basis of written statements from concerned Departments:

a) College of Nursing.

b) Nursing College Student Fund

Relaying Road:

On the basis of Certificate issued by HLL, the difference amount of relaying road of Rs.1.02 Crore was capitalized and Arrears of depreciation was also provided in the accounts.

Free Gifts:

Battery Cars for Rs.21,36,538/- and Solar System for Rs.10,51,366/- received as donations, were capitalized by corresponding credit in Corpus Fund.

Prior Period Items:

We have made some Prior Period adjustments in books of accounts which were necessary to disclose true and fair view of Financials Statements. The reasons for such adjustments and details of such adjustments are given below.

Unutilised Grants carried forward from Previous Year: Upto Financial Year 2013-14, Unspent Amount of Grants were merged with Corpus Fund. To identify Grant-in-Aid exclusively, Unspent balances of earlier year of Rs.60,08,00,000/- was transferred to “Funds: Grant-in-Aid Account”.

From the year 2012-13, Interest earned on Grants are clubbed with Grant-in-Aid Account. Hence, Interest earned in earlier years and Current Year of Rs.53,77,89,612/- were transferred to “Reserve Fund” for the purposes of matching Grant-in-Aid balances with Bank balances.

Drug de-addiction: As there is no separate grant for Drug de-addiction in the current year, the opening balance of Rs.4,08,000/- was transferred to “Grant-in Aid Plan: Salaries Account”.

The following Bank Accounts are brought into books of accounts now. The Opening Balances as per Bank Statements were booked by crediting “Corpus Fund” as Prior Period Adjustments.
The following Staff Advances (Opening Balances), not reflected in accounts till date, are booked by way of credits in “Prior Period Adjustments”.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Advance</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>House Building Advance (HBA)</td>
<td>12,80,521.00</td>
</tr>
<tr>
<td>2</td>
<td>Cyclone Advance</td>
<td>50,75,250.00</td>
</tr>
<tr>
<td>3</td>
<td>Scooter Advance</td>
<td>1,51,980.00</td>
</tr>
<tr>
<td>4</td>
<td>MCA</td>
<td>49,755.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>65,57,506.00</td>
</tr>
</tbody>
</table>

The following Advances given to HLL & CPWD were earlier treated as expenses. In order to bring Opening Balances of Advance to books of accounts, Prior Period Adjustment Account was credited.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Advance</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Modernisation of Hospital-HLL</td>
<td>5,14,00,000.00</td>
</tr>
<tr>
<td>2</td>
<td>Relaying Road-HLL</td>
<td>5,36,59,022.00</td>
</tr>
<tr>
<td>3</td>
<td>CPWD Electrical Advance</td>
<td>3,18,68,905.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td><strong>13,69,27,927.00</strong></td>
</tr>
</tbody>
</table>

The following Opening Balances of Liabilities, in real terms, are no actual liabilities.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Head of Account</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Over Payments- Old</td>
<td>39,41,860.00</td>
</tr>
<tr>
<td>2</td>
<td>Creation of Capital Assets Payable</td>
<td>11,11,98,687.00</td>
</tr>
<tr>
<td>3</td>
<td>TDS- Opening</td>
<td>4,318.00</td>
</tr>
<tr>
<td>4</td>
<td>Letter of Credit</td>
<td>5,35,69,120.00</td>
</tr>
<tr>
<td>5</td>
<td>TDS- Salary</td>
<td>2.00</td>
</tr>
</tbody>
</table>
Hence, the Liabilities are closed and Transferred to Corpus Fund by way of Prior Period Adjustments. Fixed Deposit with Employees Thrift Society for Endowment Fund was omitted to be disclosed in accounts till last year. Hence it was brought into accounts by way of Prior Period Adjustments for Rs.18,20,734/-.

Oxygen Cylinder Deposit of Rs.5950/- was brought into accounts by Prior Period adjustments.

**Details of Debit Entries in Prior Period Adjustments:**

- The expenses incurred by CPWD in respect of previous financial years for Rs.7,70,68,857/- was lying as Advances. Hence, now rectified.
- The Cash Balance of Rs.2,75,28,167/- represents mere duplication, since it included Departmental Advances also. Hence, now rectified.
- Opening Balances of Insurance Claim Receivables from TN Chief Minister’s Insurance Scheme for Rs.4,33,28,564/- was removed from accounts, since, after verification of Individual patient wise files, there was no such receivables as on 31.03.2014.
- CGEGIS Opening Liability for Rs.10,99,700/- was incorporated in accounts by way of Prior Period Adjustments.
- The difference in RAN Account with BOB for Rs.1,00,67,921/- was adjusted, since, in real terms, there is no such balance in Bank of Baroda.
- The Maturity proceeds of MOD for Rs.2,65,75,104/- was wrongly taken into Income Head. Hence, Principal amount is now reversed.

(R. Senthilnathan)
Finance & Chief Accounts Officer
GENERAL PROVIDENT FUND (JIPMER)

Notes forming Part of Financial Statements - 2014-15

Organisation and Nature of Activities:

1. The GPF Fund is created and maintained for Employees of Jawaharlal Nehru Institute of Postgraduate Medical Education and Research popularly known as JIPMER. The monthly contribution received from employees are invested in Fixed Deposits in banks.

2. Corpus Fund represents total amount due to all employees of JIPMER covered under GPF. The Employees & Employer Contributions received from JIPMER and Interest due to Employees are directly credited to this fund. Withdrawals and advances are debited to this fund Surplus/Deficit are transferred to General Reserve.

Financial Statement Presentation:

- The accompanying financial statements have been prepared on accrual basis of accounting in accordance with the generally accepted accounting policies based on the guidelines contained in the Manual of Instruction of Audit of Autonomous Bodies (Non-Profit Organisations) Volume II of Comptroller and Auditor General of India.

AS – 1: Disclosure of Accounting Policies:

The Financial Statements are prepared under historical cost convention and books of accounts are maintained on accrual basis as a going concern.

AS – 9: Revenue Recognition:

The Interest on Fixed Deposits are recognized on the basis of period of holding Deposits. Interest on employees contribution are calculated @ 8.7 % per annum.

AS – 13: Accounting for Investments:

The funds have been invested in Short Term Bank Deposits and all Deposits are treated as Current Investments only.

FINANCE AND CHIEF ACCOUNTS OFFICER
## GENERAL PROVIDENT FUND (JIPMER)

**RECEIPTS AND PAYMENTS STATEMENT FOR THE PERIOD FROM 01.04.2014 TO 31.03.2015.**

<table>
<thead>
<tr>
<th></th>
<th>RECEIPTS</th>
<th>Rs. P.</th>
<th>Rs. P.</th>
<th>PAYMENTS</th>
<th>Rs. P.</th>
<th>Rs. P.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>To Balance b/d:</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>By GPF- Debits:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Account (BOB)</td>
<td>363,550.00</td>
<td></td>
<td></td>
<td>Final Withdrawals &amp; Pro-rata</td>
<td>85,707,100.00</td>
<td></td>
</tr>
<tr>
<td>Flexi Deposits (BOB)</td>
<td>55,375,000.00</td>
<td></td>
<td></td>
<td>GPF Advance</td>
<td>90,723,108.00</td>
<td></td>
</tr>
<tr>
<td><strong>Fixed Deposits:</strong></td>
<td></td>
<td></td>
<td></td>
<td>Excess Payment Refunded</td>
<td>112,870.00</td>
<td>176,543,078.00</td>
</tr>
<tr>
<td>Indian Overseas Bank</td>
<td>27,852,689.00</td>
<td></td>
<td></td>
<td>176,543,078.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Bank of India</td>
<td>60,989,219.00</td>
<td></td>
<td></td>
<td>By GPF Final settlement</td>
<td>19,944,989.00</td>
<td></td>
</tr>
<tr>
<td>Bank of Baroda</td>
<td>270,161,455.00</td>
<td>414,741,913.00</td>
<td></td>
<td>Pro rata</td>
<td>1,470,427.00</td>
<td>21,415,416.00</td>
</tr>
<tr>
<td><strong>To GPF Contribution:</strong></td>
<td></td>
<td></td>
<td></td>
<td>By PAO Staff Contribution</td>
<td>2,345,145.00</td>
<td></td>
</tr>
<tr>
<td>Interest due to Employees</td>
<td>33,087,893.00</td>
<td></td>
<td></td>
<td>By Bank Charges</td>
<td>185.00</td>
<td></td>
</tr>
<tr>
<td>Contribution from JIPMER</td>
<td>197,011,774.00</td>
<td>230,099,667.00</td>
<td></td>
<td>By Interest to Employees</td>
<td>33,087,893.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>By</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>To Recovery of Loans &amp; Advances:</strong></td>
<td></td>
<td></td>
<td></td>
<td>By Closing Balance c/d:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latchoumicandane.V</td>
<td></td>
<td></td>
<td></td>
<td>Current Account (B.O.B)</td>
<td>259,439.00</td>
<td></td>
</tr>
<tr>
<td><strong>To PAO Staff Contribution</strong></td>
<td></td>
<td></td>
<td></td>
<td>Flexi Deposit with- BOB</td>
<td>10,700,000.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2,345,145.00</td>
<td></td>
<td></td>
<td>Flexi Deposits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To JIPMER Receivables</td>
<td>6,270.00</td>
<td></td>
<td></td>
<td>Indian Overseas Bank</td>
<td>30,519,817.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>State Bank of India</td>
<td>66,549,911.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bank of Baroda</td>
<td>341,522,518.00</td>
<td>449,551,685.00</td>
</tr>
<tr>
<td><strong>To Interest on Fixed Deposits:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexi Deposit</td>
<td>1,177,085.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed Deposit</td>
<td>34,790,187.00</td>
<td>35,967,272.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>To Miscellaneous Receipts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,036.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>683,197,303.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

-
### GENERAL PROVIDENT FUND (JIPMER)

#### BALANCE SHEET OF PROVIDENT FUND ACCOUNT AS ON 31.03.2015

<table>
<thead>
<tr>
<th>LIABILITIES</th>
<th>Rs. P.</th>
<th>Rs. P.</th>
<th>Rs. P.</th>
<th>ASSETS</th>
<th>Rs. P.</th>
<th>Rs. P.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CORPUS FUND:</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>CURRENT ASSETS:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opening Balance (Cr)</td>
<td>394,119,545.00</td>
<td></td>
<td></td>
<td>Latchoumicandane.V- Advance</td>
<td>29,282.00</td>
<td></td>
</tr>
<tr>
<td>Add : Additions during the year:</td>
<td></td>
<td></td>
<td></td>
<td>Interest Accured on Fixed Deposits</td>
<td>13,379,526.00</td>
<td></td>
</tr>
<tr>
<td>Interest due to Employees</td>
<td>33,087,893.00</td>
<td></td>
<td></td>
<td>Bank Accounts:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contribution from Jipmer</td>
<td>197,011,774.00</td>
<td>230,099,667.00</td>
<td>624,219,212.00</td>
<td>Current Account (BOB)</td>
<td>259,439.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flexi Deposit with-BOB</td>
<td>10,700,000.00</td>
<td></td>
</tr>
<tr>
<td>Less: Deductions during the year:</td>
<td></td>
<td></td>
<td></td>
<td><strong>Fixed Deposits:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Withdrawals</td>
<td>85,707,100.00</td>
<td></td>
<td></td>
<td>Indian Overseas Bank</td>
<td>30,519,817.00</td>
<td></td>
</tr>
<tr>
<td>GPF Advance</td>
<td>90,723,108.00</td>
<td></td>
<td></td>
<td>State Bank of India</td>
<td>66,549,911.00</td>
<td></td>
</tr>
<tr>
<td>Excess Payment Refunded</td>
<td>112,870.00</td>
<td>176,543,078.00</td>
<td>447,676,134.00</td>
<td>Bank of Baroda</td>
<td>341,522,518.00</td>
<td>462,960,493.00</td>
</tr>
<tr>
<td>GPF Final Settlement</td>
<td>19,944,989.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pro- Rata</td>
<td>1,470,427.00</td>
<td>21,415,416.00</td>
<td>426,260,718.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GENERAL RESERVE:</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>TOTAL</strong></td>
<td>462,960,493.00</td>
<td></td>
</tr>
<tr>
<td>Opening Balance (Cr)</td>
<td>31,276,427.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Add: Miscellaneous Receipts</td>
<td>1,036.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surplus transfer from</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Income &amp; Expenditure Account</td>
<td>5,422,312.00</td>
<td>5,423,348.00</td>
<td>36,699,775.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>462,960,493.00</td>
<td></td>
<td></td>
<td><strong>TOTAL</strong></td>
<td>462,960,493.00</td>
<td></td>
</tr>
</tbody>
</table>

R. Senthilnathan  
Finance & Chief Accounts Officer  
JIPMER

Dr. S.C. Parija  
Director  
JIPMER
### GENERAL PROVIDENT FUND (JIPMER)

**INCOME AND EXPENDITURE STATEMENT THE PERIOD FROM 01.04.2014 TO 31.03.2015.**

<table>
<thead>
<tr>
<th>EXPENDITURE</th>
<th>Rs. P.</th>
<th>INCOME</th>
<th>Rs. P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>To  Interest to Employees</td>
<td>33,087,893.00</td>
<td>By Interest on Fixed Deposits:</td>
<td></td>
</tr>
<tr>
<td>To  Bank Charges</td>
<td>185.00</td>
<td>Actual Receipts</td>
<td>35,967,272.00</td>
</tr>
<tr>
<td>To  Accrued Interest at end of the year</td>
<td></td>
<td>Add: Accrued Interest at end of the year</td>
<td>13,379,526.00</td>
</tr>
<tr>
<td>To  Excess of Income over Expenditure (Surplus)</td>
<td>5,422,312.00</td>
<td>Less: Opening Balance of Accrued Interest</td>
<td>10,836,408.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>38,510,390.00</td>
</tr>
</tbody>
</table>

| TOTAL                                       | 38,510,390.00   |                                           | 38,510,390.00   |

R. SENTHILNATHAN  
FINANCE & CHIEF ACCOUNTS OFFICER  
JIPMER

Dr. S.C. PARIJA  
DIRECTOR  
JIPMER
Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Jawaharlal Institute of Post Graduate Medical Education and Research, Puducherry for the year ended 31 March 2015

We have audited the attached Balance Sheet of JIPMER, Puducherry as at 31st March 2015 and the Income & Expenditure Account /Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General’s (Duties, Powers & Conditions of Service) Act, 1971 read with Section 18 of JIPMER Act, 2008. These financial statements are the responsibility of the JIPMER’s management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any are reported through Inspection Report / CAG’s Audit Report separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

i. We have obtained all the information and explanations except mentioned in comment No.B (1) and B (2), which to the best of our knowledge and belief were necessary for the purpose of our audit.

ii. The Balance Sheet and Income & Expenditure Account /Receipt & Payment Account dealt with by this report have been drawn up in the format approved by Government of India, Ministry of Finance and adopted by the JIPMER.
iii. In our opinion, proper books of accounts and other relevant records have been
maintained by JIPMER, Puducherry as required under section 18 of JIPMER Act, 2008 in so
far as it appears from our examination of such books

iv. We further report that:

A. Balance Sheet

1. Corpus/ Capital Fund and Liabilities

Current Liabilities (Schedule 7) – Rs. 51, 98, 67,291/-

A scrutiny of the Schedule 7 – Current Liabilities and Provisions revealed that an amount
of Rs. 1, 70, 80,180/- has been shown as Liability against GPF (Recovery). However, on
verification it was noticed that the amount was shown as liabilities towards GPF deductions for the
month of March 2015. Since the Institute had already transferred GPF deductions for 12 months
to the GPF A/c, there is no need to create liability. This had resulted in overstatement of liability
to a tune of Rs. 1.71 crore.

2. Assets

Current Assets, Loans and Advances etc. (Schedule 11) - Rs.251, 41, 95,801/-

The Institute has not disclosed the pending staff advances in Balance Sheet under Current
Assets till last year. It was mentioned in the ‘Notes forming part of the Accounts’ [schedule 26-
5(e)] of current year financial statements that a Prior Period adjustment amounting to Rs.65,
57,506/- was made to bring the opening balance of staff advances into accounts. Based on the
above adjustment and considering the staff advances paid during the year amounting to
Rs.43,81,332/- and recoveries made amounting to Rs.43,03,900/- the closing balance of pending
staff advances amounting to Rs.66,34,938/- should have been disclosed under Current Assets,
Loans and Advances. However, no such pending staff advances were disclosed in current year
Balance Sheet also. This has resulted in understatement of Current assets, Loans and Advances to
the extent of Rs.66.35 Lakh.

B. General

1. Advances amounting to Rs.46.13 crore given to various departments of the Institute for various
programs pending unadjusted as on 31.03.2015 was disclosed in current assets. However, the
details to whom these advances were given was furnished for Rs. 12.65 crore only. No details were furnished to audit for an amount of Rs. 33.48 crore. Thus in the absence of any documentary evidence, it cannot be assumed that advances of Rs. 33.48 crore in accounts were justified and correct.

2. In para 5 under Schedule-26 ‘Notes forming part of the Accounts’, the Institute had disclosed many items as prior period adjustments without routing them through Income & Expenditure Statement. Some of the major items are as follows:
   i) In para 5(d), the opening balances of ten bank accounts which were not disclosed in accounts till last year, amounting to Rs. 1.44 crore has been brought into current year accounts by adjusting Corpus/capital fund (liabilities side) and Current Assets, Loans and Advances (Assets side).
   ii) An amount of Rs. 49.05 crore was removed from Opening Balance of liabilities stating that these liabilities were not actual liabilities in real items. (Para 5(8))
   iii) An amount of Rs. 2.75 crore was reduced from the closing cash balance of previous year (assets side) and by corresponding adjustment in corpus/capital fund (liabilities side), stating that the amount represented mere duplication of departmental advances.
   iv) An amount of Rs. 1.00 crore was reduced from Bank of Baroda account (assets side) and corresponding adjustment in corpus/capital fund (liabilities side) stating that in real terms there was no such balance in the bank.
   v) Maturity proceeds of Mobilisation Deposit (MOD) for 2.66 crore was reversed stating that it was wrongly taken into income. However, it was not explained how this amount was tallied last year or any proof submitted for this claim.

   A total amount of Rs. 72,85,67,785/-, including the above stated adjustments has been adjusted in the corpus/capital fund as prior period adjustments (Prior period expenses Rs. 128,79,49,979/- and Prior period income Rs. 55,93,82,194/-) without furnishing any documentary evidence and without obtaining necessary approval from governing bodies (BoG, Finance Committee) and the Ministry of Health and Family welfare. Thus in the absence of any documentary evidence and on the basis of above adjustment, it cannot be assumed that adjustment of Rs. 72,85,67,785/- made in accounts were justified and correct.

3. No Provision for retirement benefits was made in accounts.
4. No provision for liability towards unutilised grant of Rs.29.27 crore was made in accounts.

C. Effect of Audit comments on Accounts

The accounts of the Institute were revised based on audit comments, which resulted in the following:

a) Liabilities decreased by Rs.3.13 crore

b) Assets decreased by Rs.3.13 crore

D. Grants in aid

Out of the grant in aid of Rs.403.86 crore received during the year 2014-15 and Rs. 64.26* crore being unspent balance of the previous year totaling Rs.468.12 crore, the Institute could utilize only a sum of Rs.438.85 crore leaving a balance of Rs. 29.27 crore as unutilized grant as at 31st March 2015.

(*Minus balance of Rs.0.04 crore in OSC (Recurring) Salaries excluded from previous year balance)

E. Management Letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Director, Jawaharlal Institute of Post Graduate Medical Education and Research, Puducherry through a management letter for remedial/corrective action.

v) Subject to our observations in the preceding paragraphs, we report that the Balance sheet, Income & Expenditure Account and Receipt & Payment Account dealt with by this report are in agreement with the books of accounts.

vi) We are unable to form an opinion about correctness of the Prior Period Adjustment of Rs.72.85 crore and advance pending adjustment of Rs.33.48 crore in financial statement.

vii) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above (specifically in para vi) and
other matter stated in the Annexure to the Report give a true and fair view in conformity with accounting principles generally accepted in India.

a. In so far as it relates to the Balance Sheet, of the state of affairs of JIPMER, Puducherry as at 31 March 2015, and

b. In so far as it relates to Income & Expenditure Account for the year ended on that date.

For and on behalf of the C&AG of India

Director General of Audit(C)

Place: Chennai

Date: 17.12.2015
Annexure

1. **Internal Audit System:**
   
   The Internal Audit is not commensurate either with volume of transactions made in JIPMER or with the number of staff employed in JIPMER. The Internal audit section is functioning with 3 personnel without any specific directions for conducting Internal Audit. Internal audit was not conducted during the year 2014-15.

2. **Internal Control System:**
   

3. **Physical verification of fixed assets:**
   
   The physical verification of fixed assets was not conducted for the year 2014-15.

4. **Physical Verification of Inventory:**
   
   Physical verification of Inventory was not carried for the year 2014-15.

5. **Regularity in payment of statutory dues:**

   Payment of Taxes (Value Added Tax) and other statutory dues are made by JIPMER in accordance with the Provision of Act/Rule.

   
   Director/Admin.