



# Jawaharlal Institute of Postgraduate Medical Education and Research

An Institution of National Importance  
Under Ministry of Health and Family Welfare



## 2nd Advanced workshop on Antimicrobial Stewardship

24th July - 28th July 2024

### COURSE COORDINATORS

DR RAKESH SINGH

DR APURBA S SASTRY

### ORGANIZED BY

HOSPITAL INFECTION CONTROL  
AND PREVENTION UNIT  
DEPARTMENT OF MICROBIOLOGY  
PUDUCHERRY

WHO INDIA | TECHNICAL PARTNER



## Greetings from JIPMER

We are pleased to announce that the Hospital Infection Control and Prevention (HICP) unit of the Department of Microbiology JIPMER will be conducting the **'2nd Advanced National Workshop on Antimicrobial Stewardship'** between **24th to 28th July 2024 (for five days)** in JIPMER Pondicherry, India. The target participants will be **ONLY** faculty, consultants, and senior residents (and a few junior residents) of Microbiology (MD/DNB) and some clinicians working in the field of Antimicrobial stewardship in different parts of India and other countries.

Antimicrobial Resistance (AMR) is a rising threat across the globe. Multidrug resistance organisms (MDROs) are prevalent in every country though the extent and the severity of the problem varies. The extensive misuse and overuse of antimicrobial agents in humans as well as in other sectors and poor antimicrobial research further worsen the situation.

Antimicrobial Stewardship (AMS) addresses the AMR problem across the globe, by promoting the responsible use of antimicrobials. Healthcare facilities with robust AMS programs have shown to produce a dramatic reduction in antimicrobial consumption, hospital expenditure, and AMR. Unfortunately, an effective and robust AMS program is lacking in most of the healthcare facilities in India. There is also a dearth of AMS leaders across the country. Therefore, this National Workshop has been planned, which aims at producing future AMS leaders of India.

Microbiologists play a crucial role in implementing the AMS program and initiating diagnostic stewardship measures. Microbiologists are one of the most active members of AMS Team in most of the healthcare facilities in India. More so, when the Government of India is planning to bring AMS/AMR as a separate learning objective for MBBS students, it is of utmost importance for every microbiologist to enhance their knowledge and sharpen their skills in antimicrobial Stewardship.

JIPMER has been a pioneer in providing AMS training for the past six years through its famous HIC workshop conducted every year. As the scope of AMS is vast, an immense effort has been put to further expand to have a full-fledged exclusive AMS workshop. This workshop aims at training clinical microbiologists (mainly) and also some clinicians (who have an interest in AMS) across the country. Various aspects of AMS will be covered such as diagnostic stewardship, processing of clinical specimens, CLSI and EUCAST based AST interpretation, breakpoint-to-MIC-quotient, steps of implementing AMS program in a hospital, AMS interventions, PK/PD of antimicrobials, principles of antimicrobial therapy, and Hospital Antibigram.










The number of **PARTICIPANTS** selected for the workshop will be limited to **200** which include MD microbiologists (faculty, consultants, senior residents) working or having an interest in Antimicrobial Stewardship. In addition, there will be few registrations reserved for clinicians working or having an interest in Antimicrobial Stewardship.

Applicants need to submit a declaration form countersigned by their HODs, stating that they are working/ going to work in the AMS team of their institute and they will be responsible for implementing/augmenting AMS activities in their institute after completion of the workshop.

COURSE COORDINATORS	
<b>Dr. Rakesh Singh</b> Member Secretary Hospital infection control and prevention (HICP) unit Professor and Head Department of Microbiology, JIPMER	<b>Dr. Apurba S Sastry</b> Officer In-charge, HICP Unit Antimicrobial Stewardship Lead (Microbiology) Additional Professor Department of Microbiology, JIPMER

## RESOURCE PERSONS

### Department of Microbiology, JIPMER

<p><b>Dr. Rakesh Singh MD</b> Member Secretary, HICC Professor and Head Department of Microbiology JIPMER</p>		<p><b>Dr. Apurba Sankar Sastry</b> MD DNB MNAMS PDCR Officer In-charge (HICP) Additional Professor Microbiology, JIPMER</p>	
<p><b>Dr. S. Sujatha MD</b> Professor Department of Microbiology JIPMER</p>		<p><b>Dr. Rahul Dhodapkar MD</b> Professor Department of Microbiology JIPMER</p>	
<p><b>Dr. Rakhi Biswas MD</b> Additional Professor Department of Microbiology JIPMER</p>		<p><b>Dr. Noyal Mariya Joseph MD</b> Additional Professor Department of Microbiology JIPMER</p>	
<p><b>Dr. Maanasa Bhaskar M MD</b> Assistant Professor Department of Microbiology JIPMER</p>		<p><b>Dr. Radha S MD</b> Assistant Professor Department of Microbiology JIPMER</p>	
<p><b>Dr Sarumathi D</b> MD DNB MNAMS CIC Fellow in HIC and Senior Resident Department of Microbiology JIPMER</p>			

### External Resource Persons\*

<p><b>Dr. Sumit Rai MD PDCC-ID</b> Professor and Head Department of Microbiology AIIMS, Mangalagiri</p>		<p><b>Dr. Ketan Priyadarshi</b> MD DNB, PDCC-ID PDF-HIC Assistant Professor of Microbiology AIIMS, Patna Ex Fellow in HIC, JIPMER</p>	
<p><b>Dr. Akshatha R MD DNB DM-ID</b> Infectious Disease Specialist Ex DM ID, AIIMS, Jodhpur Ex Junior Resident, JIPMER</p>		<p><b>Dr. Subhashree R MD DNB DM-ID</b> Infectious Disease Consultant Ex DM ID, AIIMS, Jodhpur Ex Junior Resident, JIPMER</p>	
<p><b>Dr Benedict Vinothini A MD DNB</b> Senior Resident Department of Microbiology, ESIC Medical College, Chennai</p>		<p><b>Dr R Sneha MD Fellow-ID</b> Infectious Disease Specialist Aster Medcity, Kochi Ex Junior Resident, JIPMER</p>	

\*The list of external resource persons will be updated subsequently

## PROGRAMME SCHEDULE

<b>Day 1 (Diagnostic Stewardship)</b>
Diagnostic stewardship and turnaround time
Processing of clinical specimens <ul style="list-style-type: none"> <li>• Processing and reporting of Lower respiratory specimens</li> <li>• Processing and reporting of Exudate specimens</li> <li>• Processing and reporting of Urine specimens</li> <li>• Processing of Blood culture</li> </ul>
Automation: Automated Blood Culture, MALDITOF and VITEK
<b>Day 2 (Diagnostic Stewardship)</b>
<b>Antimicrobial Susceptibility Testing (CLSI and EUCAST)</b>
Basics of AST (Disk diffusion and MIC)
General terminologies (CLSI AND EUCAST)
AST Reporting of Gram-positive cocci
AST Reporting of Gram-negative bacilli
Selective Reporting and Role of Breakpoint-to-MIC Quotient (BMQ)
Quality Control in AST (CLSI M02 and M07)
Direct Susceptibility Testing (CLSI AND EUCAST)
Agreement between AST methods (FDA)
Use of Comments in Clinical Microbiology Reporting
<b>Day 3 (Diagnostic Stewardship)</b>
<b>Hospital Antibiogram (CLSI M39)</b>
Routine antibiogram
Enhanced antibiogram
Subtraction antibiogram
Combination antibiogram
Multifacility antibiogram
Data Validation of Antibiogram
MDR XDR PDR Analysis
Software: Clinical Microbiology Reporting and Antibiogram (Hands-on)
<b>Day 3 (Clinical Stewardship)</b>
<b>Basic Concepts in Antimicrobial Stewardship</b>
Steps of implementation of AMS program in a hospital
<b>AMS interventions</b>
Formulary restriction and preauthorization
Prospective audit and feedback with simulated video
Antimicrobial advices-driven interventions
Other AMS Interventions including low-hanging fruits in AMS
Role of behavioral change in AMS
Role of information technology in AMSP
<b>Monitoring of the AMS Program</b>
Defined Daily Dose
Days of Therapy (DOT) and Others
Point-of-care tests (POCT) including biomarkers
<b>Day 5 (Clinical Stewardship)</b>
<b>Principles of Antimicrobial Therapy</b>
Principles of Empirical Antimicrobial Therapy
Targeted Antimicrobial Therapy for gram-positive bacterial infections
Targeted Antimicrobial Therapy for gram-negative bacterial infections
Surgical Antimicrobial Prophylaxis
Antifungal Stewardship
<b>Antimicrobial Agents</b>
PK/PD of antimicrobial agents
$\beta$ -lactam agents
Other major group of antimicrobials

\*Tentative schedule, subject to change

<b>Course fees</b>	<p>Rs 12,000/- (full workshop registration) for faculty and residents</p> <ul style="list-style-type: none"> <li>• <b>Eligibility:</b> MD/DNB microbiologists and clinicians working/about to work in an antimicrobial stewardship team, bacteriologists having an interest in antimicrobial stewardship</li> <li>• Applicants should discuss this with their HODs before applying. They need to submit a declaration form countersigned by their HODs that “they will be responsible for implementing/augmenting AMS activities in their institute after completion of the workshop”.</li> </ul> <p>Rs 6000/ <b>Clinical Stewardship Module on Days 4 and 5 (27th and 28th July)</b></p> <ul style="list-style-type: none"> <li>• Only clinicians can apply for this module (day 4 and day 5) of the workshop</li> <li>• Applying specific for this module is not allowed for microbiologists.</li> </ul>
<b>Accommodation</b>	Course fees do not include accommodation. However, accommodation details of the nearby hotels will be informed to the selected participants.
<b>Application</b>	<p>Should be sent <b>ONLY</b> through google form at the link below  <a href="https://forms.gle/obprN23e8ipVmySV7">https://forms.gle/obprN23e8ipVmySV7</a>  <b>Last date for receipt of application - 30th June 2024</b>  However, registration will be closed earlier if the maximum no. of participants selected is achieved</p>
<b>Provisional Selection</b>	<p>Selection will be on a ‘<i>first come, first served</i>’ basis (only if selection criteria are fulfilled)</p> <ul style="list-style-type: none"> <li>• Applicants may be contacted through mail/call/WhatsApp within one week of their application by the organizing team, and</li> <li>• If the selection criteria are fulfilled, they will be sent an official mail of their provisional selection.</li> </ul>
<b>Confirmed Selection</b>	<p>Once provisionally selected, candidates will have to confirm their participation by paying the course fees. Details will be provided to the provisionally selected candidates.  <b>Last date for receipt of the payment and documents- within one week of receipt of mail of their provisional selection.</b></p>
<b>Contact Person</b>	<p>For any queries, please contact:  Ms. Stessy (8190856184) or  Dr. Sarumathi (Senior resident cum Fellow in HIC, JIPMER): 0413-2297217  <a href="mailto:amsworkshopjipmer@gmail.com">amsworkshopjipmer@gmail.com</a></p>

2<sup>nd</sup> Advanced National Workshop on  
Antimicrobial Stewardship, JIPMER  
24<sup>th</sup>–28<sup>th</sup> July 2024

I, Dr \_\_\_\_\_, currently working as \_\_\_\_\_ at  
\_\_\_\_\_ institute,  
\_\_\_\_\_ city, \_\_\_\_\_ state.

## DECLARATION BY THE PARTICIPANT (not required for residents)

### Commitment for implementation of AMS at my hospital

- My institute is very keen to implement Antimicrobial Stewardship.
- I will get full support from my HOD/equivalent and medical administration (e.g. medical superintendent) to implement Antimicrobial Stewardship.
- I promise that after getting trained in JIPMER, I will take the leadership role to implement Antimicrobial Stewardship activities at my institute.

Signature of the participant

Signature and seal of the HOD  
or equivalent concerned

If applicant is also the HoD, then signature from medical superintendent/director or equivalent is required