



# Jawaharlal Institute of Postgraduate Medical Education and Research

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



## ADVANCED NATIONAL WORKSHOP ON **ANTIMICROBIAL STEWARDSHIP** 6<sup>TH</sup> TO 10<sup>TH</sup> FEBRUARY 2023



### **COURSE COORDINATORS**

DR RAKESH SINGH  
DR APURBA S SASTRY

### **ORGANIZED BY**

HOSPITAL INFECTION CONTROL AND PREVENTION UNIT  
DEPARTMENT OF MICROBIOLOGY  
JIPMER, PUDUCHERRY

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 '**Advanced National Workshop on Antimicrobial Stewardship**' between **6th to 10th February 2023 (for five days)** in JIPMER Pondicherry, India. The target participants will be **ONLY** faculty, consultants, and senior 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 AntibioGram.

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. The investigators from the WHO-sponsored V-AMR Study will be given priority in selection. The investigators meeting of the VAMR Study will be carried out on the last day of the workshop.









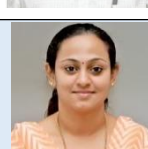

Applicants need to submit a declaration form countersigned by their HODs, stating that they are working/ going to work in the AMS team of their institute and they will be responsible for implementing/augmenting AMS activities in their institute after completion of the workshop.

#### **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
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## RESOURCE PERSONS

### Department of Microbiology, JIPMER

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

### External Resource person\*

<b>Dr. Sumit Rai MD PDCC-ID</b> Professor and Head Department of Microbiology AIIMS, Mangalagiri		<b>Dr. Ketan Priyadarshi MD, DNB, PDCC-ID</b> Ex Fellow in HIC JIPMER	
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\*The list of external resource persons will be updated subsequently

## PROGRAMME SCHEDULE

Topics
<b>Day 1 (Diagnostic Stewardship)</b>
Diagnostic stewardship and turnaround time
Processing of clinical specimens
Automation: MALDITOF and VITEK
<b>Day 2 (Diagnostic Stewardship)</b>
<b>Antimicrobial Susceptibility Testing (CLSI and EUCAST)</b>
Basics of AST
General terminologies
Gram-positive cocci
Gram-negative bacilli
Detection of specific antimicrobial resistance
Quality Control in AST
Direct Susceptibility Testing
Agreement between AST methods
<b>Day 3 (Clinical Stewardship)</b>
<b>Basic Concepts in Antimicrobial Stewardship</b>
Steps of implementation of AMS program in a hospital
Pharmacist-driven stewardship
Role of information technology in AMSP
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
Monitoring of the AMS Program
Selective Reporting and Role of Breakpoint-to-MIC Quotient
Point-of-care tests (POCT) including biomarkers
<b>Day 4 (Clinical Stewardship)</b>
<b>Antimicrobial Agents</b>
PK/PD of antimicrobial agents
Principles of Empirical Antimicrobial Therapy
Targeted Antimicrobial Therapy for gram-positive bacterial infections
Targeted Antimicrobial Therapy for gram-negative bacterial infections
Antifungal stewardship
Surgical Antimicrobial Prophylaxis
One health approach in antimicrobial stewardship
AMS in Neonatal Settings
AMS in immunocompromised settings
<b>Day 5 (Hospital Antibigram and VAMR Study)</b>
Routine antibiogram
Enhanced and other types of antibiogram
MDR XDR PDR Analysis
VAMR Study Protocol Presentation
Software-based Clinical Microbiology Reporting (Hands-on)

\*Tentative schedule, subject to change



<b>Course fees</b>	<p><b>Rs 10,000/-</b> (full workshop registration)</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 “<i>they will be responsible for implementing/augmenting AMS activities in their institute after completion of the workshop</i>”.</li> </ul> <p><b>VAMR Study Centres:</b></p> <ul style="list-style-type: none"> <li>• Investigators from VAMR centers will be given priority in the selection for the workshop.</li> <li>• VAMR Investigators can apply in two ways: <ul style="list-style-type: none"> <li>○ <b>Full five-day workshop:</b> Registration fee of <b>Rs 10,000</b>) or</li> <li>○ <b>Last day of the workshop</b> (Investigator’s meeting, 10.2.2022): Registration is free</li> </ul> </li> <li>• Maximum 1 (or 2 in case of bigger centers) investigator would be allowed to attend the full workshop</li> <li>• Ideally, the Principal Investigator (PI) should attend the workshop. In case, the PI is not able to attend, he/she can nominate another investigator to attend the workshop.</li> <li>• <b>Note:</b> Attending the investigator’s meeting (10.2.2022) is compulsory for VAMR centers. However, attending the full workshop is not compulsory for VAMR centers.</li> <li>• <b>WHO support:</b> VAMR centers will be partially supported by WHO for attending the event, regardless they choose to attend the full event or only the last day of the event. The remaining expenses they need to bear by themselves. <ul style="list-style-type: none"> <li>○ <b>Pondicherry centres:</b> No financial support</li> <li>○ <b>Tamil Nadu centres:</b> Rs 6000/ per centre</li> <li>○ <b>Other South India centres:</b> Rs 8000/ per centre</li> <li>○ <b>Rest of India centres:</b> Rs 12000/ per centre</li> </ul> </li> </ul> <p><b>Rs 5000/ <b>Clinical Stewardship Module</b> on Days 3 and 4 (8th and 9th February)</b></p> <ul style="list-style-type: none"> <li>• Only clinicians can apply for this module (day 3 and day 4) of the workshop</li> <li>• Applying specific for this module is not allowed for microbiologists.</li> </ul>
<b>Accommodation</b>	<p>Course fees do not include accommodation. However, accommodation details of the nearby hotels will be informed to the selected participants.</p>
<b>Application</b>	<p>Should be sent <b>ONLY</b> through google form at the link below: <a href="https://forms.gle/btXA4Xrw9P5zkbeY6">https://forms.gle/btXA4Xrw9P5zkbeY6</a>  <b>Last date for receipt of application – 30<sup>th</sup> November 2022</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 :</p> <p>Ms. Stessy, project officer VAMR Study (8190856184) or  Ms. Shruthi, Senior Research Fellow VAMR Study (9443266873)  Dr. Sarumathi (Senior resident cum Fellow in HIC, JIPMER): 0413-2297217  <a href="mailto:amsworkshopjipmer@gmail.com">amsworkshopjipmer@gmail.com</a></p>

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6<sup>TH</sup>-10<sup>TH</sup> FEBRUARY 2023

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

## DECLARATION BY THE PARTICIPANT

### 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