



Jawaharlal Institute of Postgraduate Medical Education and Research

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



3rd Advanced National Workshop on Antimicrobial Stewardship

24th June - 28th June 2025

Course Coordinator

Dr Rakesh Singh

Dr Apurba S Sastry

Organized by

Hospital Infection Control and
Prevention Unit
Department of Microbiology
JIPMER, Puducherry

In association with
Antimicrobial Stewardship and
Infection Control Association (AMSICA)



**RESIDENT FOCUSED
WORKSHOP**

Greetings from JIPMER

We are pleased to announce that the Hospital Infection Control and Prevention (HICP) unit of the Department of Microbiology JIPMER, in collaboration with Antimicrobial Stewardship and Infection Control Association (AMSICA) will be conducting the **'3rd Advanced National Workshop on Antimicrobial Stewardship'** between **24th to 28th June 2025 (for five days)** in JIPMER Pondicherry, India. The target participants will be mainly senior residents, junior residents, as well as junior faculty/consultants of Microbiology (MD/DNB) and clinicians working in the field of antimicrobial stewardship in different parts of India and other countries. A total of **200 participants** will be selected for the workshop.

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 antimicrobial stewards across the country. Therefore, this National Workshop has been planned, which aims at producing future antimicrobial stewards of India.

Clinical microbiologists play a crucial role in implementing the AMS program and initiating diagnostic stewardship measures. They 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 will be 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 several 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. 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.







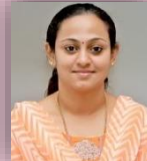


Applicants need to submit a declaration form countersigned by their HODs/institute heads, stating that they are working/ going to work in the AMS team of their institute, and they will be responsible for implementing/augmenting AMS activities in their institute after completion of the workshop.

COURSE COORDINATORS



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

RESOURCE PERSONS

Department of Microbiology, JIPMER

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

External Resource Persons*

Dr Sarumathi D MD DNB MNAMS CIC PDF-HIC (JIPMER) Assistant professor of Microbiology Department of Microbiology Sri Devaraj Urs Academy of Higher Education and Research, Kolar, Karnataka		Dr. Ketan Priyadarshi MD DNB, PDCC-ID PDF-HIC Assistant Professor of Microbiology AIIMS, Patna Ex Fellow in HIC, JIPMER	
--	---	--	---

*The list of external resource persons will be updated subsequently

PROGRAMME SCHEDULE

Day 1 (Diagnostic Stewardship)
Diagnostic stewardship and turnaround time
Processing of clinical specimens <ul style="list-style-type: none"> Processing and reporting of Lower respiratory specimens Processing and reporting of Exudate specimens Processing and reporting of Urine specimens Processing of Blood culture
Automation: Automated Blood Culture, MALDITOF and VITEK
Day 2 (Diagnostic Stewardship)
Antimicrobial Susceptibility Testing (CLSI and EUCAST)
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
Day 3 (Diagnostic Stewardship)
Hospital Antibigram (CLSI M39)
Routine antibiogram
Enhanced antibiogram
Subtraction antibiogram
Combination antibiogram
Data Validation of Antibiogram
MDR XDR PDR Analysis
Software: Clinical Microbiology Reporting and Antibigram (Hands-on)
Day 4 (Clinical Stewardship)
Basic Concepts in Antimicrobial Stewardship
Steps of implementation of AMS program in a hospital
AMS interventions
Formulary restriction and preauthorization
Prospective audit and feedback with simulated video
Antimicrobial advice-driven interventions
Other AMS Interventions including low-hanging fruits in AMS
Monitoring of the AMS Program
Defined Daily Dose
Days of Therapy (DOT) and Others
Day 5 (Clinical Stewardship)
Principles of Antimicrobial Therapy
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
Antimicrobial Agents
PK/PD of antimicrobial agents
β -lactam agents
Other major group of antimicrobials

*Tentative schedule, subject to change

Course fees	<p>Rs 12,000/- (full workshop registration) for faculty and residents</p> <ul style="list-style-type: none"> • Eligibility: MD/DNB microbiologists and clinicians working/about to work in an antimicrobial stewardship team, bacteriologists having an interest in antimicrobial stewardship • 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>.
	<p>Rs 6000/ Clinical Stewardship Module on Days 4 and 5 (27th and 28th June)</p> <ul style="list-style-type: none"> • Only clinicians can apply for this module (day 4 and day 5) of the workshop • Applying specific for this module is not allowed for microbiologists.
Accommodation	Course fees do not include accommodation. However, accommodation details of the nearby hotels will be informed to the selected participants.
Application	<p>Should be sent ONLY through google form at the link below https://forms.gle/7LxHCru9b9iG1DHRA</p> <p>Last date for receipt of application – 30th May 2025 However, registration will be closed earlier if the maximum no. of participants selected is achieved</p>
Provisional Selection	<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"> • Applicants may be contacted through mail/call/WhatsApp within one week of their application by the organizing team, and • If the selection criteria are fulfilled, they will be sent an official mail of their provisional selection.
Confirmed Selection	<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.</p> <p>Last date for receipt of the payment and documents- within one week of receipt of mail of their provisional selection.</p>
Contact Person	<p>For any queries, please contact: Ms. Stessy (8190856184) or Dr. Vinothini, Senior resident cum Fellow in HIC, JIPMER): 0413-2297217 amsworkshopjipmer25@gmail.com</p>

**3rd Advanced National Workshop on
Antimicrobial Stewardship, JIPMER
24th–28th June 2025**

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.