



46th Annual Conference of Indian Association of Medical Microbiologists



Atal Bihari Vajpayee Scientific Convention Center, Lucknow

Pre Conference Hands on Workshop

Diagnostic Stewardship: Role of advanced microbiological techniques

Objectives of the workshop: The workshop aims to educate participants on diagnostic stewardship and the use of advanced microbiological techniques to optimize pathogen identification, antimicrobial testing, and reporting, leading to improved patient outcomes and combatting antimicrobial resistance

Current Relevance of the topic: Diagnostic stewardship is “coordinated guidance and interventions to improve appropriate use of microbiological diagnostics to guide therapeutic decisions.” (Definition as per GLASS Manual).

Syndromic testing is the process of using one test to simultaneously target multiple pathogens with overlapping signs and symptoms. Multiplex PCR (Polymerase Chain Reaction) (Biofire Filmarray) is widely used technique for syndromic testing and NGS (Next Generation Sequencing) (HaystackAnalytics Pvt Ltd) is the most promising technique in near future.

Newly launched equipment for automated blood culture (BacT Alert Virtuo) and widely used equipment for isolate identification and antibiotic susceptibility (Vitek 2 Compact) are the backbones of any bacteriological diagnostic system with added advantages.

Antimicrobial stewardship with the help of rapid molecular test (Carba R, Cepheid) and conventional ICMR recommended MBL detection and synergy testing (E tests) are the need of hour tests.

Automated immunoassay system based on Enzyme linked fluorescent assay (ELFA) principle (VIDAS) is an asset for accurate and prompt serological tests.

Tuberculosis detection (BacT Alert) and antitubercular drugs susceptibility (CBNAAT and LPA) are of utmost importance for TB MUKT BHARAT.

What will you gain from attending the workshop? Workshop will provide an opportunity to the participants to learn all these techniques and their clinical relevance along with hands-on experience. Study material with standard reference will be of help to establish any of these techniques in their setups.

Who is the target population? Residents, young faculties and all budding clinical microbiologists

Detailed Agenda

Time	Topics	Speakers
8AM – 9.00 AM	Inauguration & Registration	
9.00 AM – 10.00AM	Diagnostic Stewardship	Dr Ekta Gupta Prof & Head Dept of clinical Virology, Inst of Liver & Biliary Sciences
10.00AM – 10.15AM	Syndromic testing	Dr Bhawana Jain
10.15AM – 10.30AM	Advances in Bacteriology & Serology	<u>Dr Vasudha Kesarwani</u>
10.30AM – 10.45AM	Anti-Microbial Stewardship: Role of CRO detection	Dr Kiran Pardeshi
10.45AM – 11.00AM	Newer techniques in TB diagnostics	Dr Deepti Tripathi
11.00AM – 11.30AM	Tea break	
11.30AM – 1.30PM	Hands-on training with result interpretation (in four batches)	<u>Dr Vasudha Kesarwani, Dr Deepti Tripathi, Dr Kiran Pardeshi, Dr Shikha Tiwari</u>
1.30PM – 2.00PM	Lunch	
2.00PM – 4.30PM	Hands-on training with result interpretation (in four batches)	<u>Dr Vasudha Kesarwani, Dr Deepti Tripathi, Dr Kiran Pardeshi, Dr Shikha Tiwari</u>
4.30PM-5:30 PM	Post Test & Valedictory followed by High Tea	

Workshop Coordinator:

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