



46th Annual Conference of Indian Association of Medical Microbiologists



Atal Bihari Vajpayee Scientific Convention Center, Lucknow

Pre Conference Hands on Workshop

The modern Laboratory's Approach to Sexually Transmitted Infections

Objectives of the workshop:

- To understand the global and Indian scenario of STIs/RTIs and their public health importance, with a note on drug resistance in STI pathogens. To stress on recent advances in diagnosis of STIs in High Risk Groups (HRGs).
- To enumerate and demonstrate the various laboratory procedures available for the diagnosis of STIs and RTIs, both GUDs and GDDs, with emphasis on extra-genital sampling.
- To demonstrate and explain the various techniques of performing AST for *Neisseria gonorrhoeae*. To familiarize the participants on Quality Assurance in STI/RTI diagnostic laboratory.

Current relevance of the topic: It addresses the evolving landscape of STIs, including emerging infections, antibiotic resistance, and advances in diagnostic technologies, empowering laboratories to play a crucial role in timely and accurate detection, prevention, and management of STIs.

What will you gain from attending the workshop? Participants will gain up-to-date knowledge on the latest advancements in diagnosing sexually transmitted infections, including novel testing methods and technologies, enabling them to improve STI detection and patient care in their respective laboratories and healthcare settings.

Who is the target population? Post graduate students of Medical Microbiology and Senior Residents in Microbiology and young faculty in Microbiology

Short description of expertise of key resource persons: Dr. Sumathi Muralidhar, Professor & Consultant Microbiologist, Apex Regional STD Centre & SRL-HIV, VMMC & Safdarjung Hospital, New Delhi. Dr. Rekha Sachan, Professor Obs and Gynae. MS Obs & Gynaecology KGMU Lucknow, Dr. Parul Verma, MD Dermatology. Venerology and Leprosy Professor (J. Grade) KGMU Lucknow , Dr. Shwetha JV, Assistant Professor Department Of Microbiology, Bangalore Medical College And Research Institute , Dr. Sneha K Chunchanur, Assistant Professor Department Of Microbiology, Bangalore Medical College And Research Institute.

Detailed Agenda

TIME	TOPIC
08.00 – 09.00 AM	Registration & Pre-workshop Evaluation
09.00 – 09.05 AM (L)	Introduction to STI/RTI Control Programme & Surveillance
09.05 – 09.15 AM (L)	Anatomy & Physiology of Male & Female genital tract
09.15 – 09.25 AM (L)	Importance of STI diagnosis and coordination between clinician & laboratory
09.25- 09.35 AM (L)	Clinical and Laboratory aspects of Genital Discharge diseases (STIs/RTIs)
09.35- 09.45 AM (L)	Interactive session for collection, transport, disposal of morbid specimens for STI/RTIs & BMW
09.45- 09.55 AM (L)	Clinical and Laboratory aspects of Genital Ulcer diseases (STIs/RTIs)
09.55 – 10.15 AM (L)	Quality Control & Quality Assurance in STD, Lab IQC/EQAS/PT/EQAS
10.15-11.15	Inauguration & tea break
11.15 – 11.45 PM (P&D)	GC Microscopy, culture, Confirmatory tests, RCUT, PPNG, Antimicrobial susceptibility testing
11.45 – 12.15 PM (P&D)	Candida smear, culture, germ tube test, Candida speciation, antifungal Susceptibility testing
12.15–12.30 PM	TV –Wet mount, culture, BV smear
12.30 – 01.00 PM	Chlamydia antigen and antibody detection ELISA, DFA, Rapid test
01.00 – 01.30 PM	Lunch
1.30 – 02.30 PM (P & D)	Syphilis DFM, serology (VDRL/RPR/TPHA/FTA-Abs/Trp-ELISA/POCT) EQAS, procurement of VDRL antigen
02.30- 03.00 PM (P & D)	Smear examination- Normal vaginal flora, spermatozoa, MNGC, <i>H. ducreyi</i> , Donovan bodies, BV, TV, GC, Candida etc.
03.00-03.30 PM	Chlamydia-Ag & Ab detection ELISA, DFA, PCR
3.30 – 3.45 PM	Tea/Coffee
3.45 – 4.30 PM	Post-workshop evaluation for participants
4.30 – 5.30 PM	Valedictory ceremony & certificate distribution & High Tea

Workshop Coordinator:

Dr. Raj Kumar Kalyan

Professor Microbiology &

Nodal officer RTI/STI State Reference Centre

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