



46th Annual Conference of Indian Association of Medical Microbiologists



Atal Bihari Vajpayee Scientific Convention Center, Lucknow

Pre Conference Hands on Workshop

Diagnostic Parasitology-Bench to Bed side

Objectives of the workshop: To provide participants hands on training on stool sample processing, Parasite special stain and microscopy, Culture protocols of parasites and Molecular LAMP technique.

Current relevance of the topic: To bridge the gap between research advancements in parasitology and their practical application in clinical diagnosis, enabling timely and accurate identification of parasitic infections, essential for effective patient management and public health control measures.

What will you gain from attending the workshop? Participants will acquire comprehensive knowledge and practical skills in diagnostic parasitology, equipping them to implement advanced techniques and interpret test results accurately, leading to improved detection and management of parasitic infections in clinical practice.

Who is the target population? Healthcare professionals, Microbiologists, laboratory technicians, researchers, parasitologists, and clinicians involved in diagnosing and managing parasitic infections

Short description of expertise of key resource persons: Prof. Sumeeta Khurana, Additional Professor at PGIMER, Chandigarh, India is an Expert in Parasitic Diseases culture, Immunoparasitology and molecular detection of parasites. Dr.Niti Kumar, PhD, Sr. Scientist in CSIR-CDRI is an Expert in Genomics and Integrative Biology.

Detailed Agenda

TIME	TOPIC	Facilitator
8:00-9:00 AM	Welcome of the Participants	Prof. Gopa Banerjee, KGMU, Lko
9:00-9:30 AM	Pre-workshop evaluation/Quiz	Dr. Suruchi Shukla, KGMU, Lko
9:30-10:00 AM	Microscopy –Pillar of Diagnostic Parasites	Prof. Sumeeta Khurana, PGI Chandigarh
10:00-11:00 AM	Hands on/ Demonstration Wet mount, Special staining techniques for parasites	Dr. Abhishek Mewara, PGI Chandigarh
11:00-11:15 AM	Tea break	
11:15-11:30 AM	Stool processing and concentration techniques	Dr. Priya Dutta, PGI Chandigarh
11:30-12:30 AM	Hands on/ Demonstration Parasep® Faecal Parasite Concentration Kato-Katz method, egg counting Morphometry	Prof. Sumeeta Khurana, PGI Chandigarh
12:30-01:00 PM	Culture and Immunodiagnostic tests for parasites	Prof. Sumeeta Khurana, PGI Chandigarh
01:00 -02:00 PM	Hands on/ Demonstration Culture- E. histolytica, Giardia lamblia, Acanthamoeba species, Leishmania species, Trichomonas species Antigen/ Antibody/ POC- ICT	Dr. Priya Dutta, PGI Chandigarh
02:00 -02:30 PM	Lunch Break	
02:30-04:00 PM	Hands on/ Demonstration Culture- Plasmodium spp.	Dr Saman Habib, CDRI, Lko Dr.Niti Kumar, CDRI, Lko
04:00-04:45 PM	Molecular diagnosis of parasitic diseases and utility of LAMP - Procedure and Interpretation	Prof. Sumeeta Khurana, PGI Chandigarh
04:45- 05:30 PM	Post- workshop evaluation/ Quiz Valedictory function/vote of Thanks	Dr. Suruchi Shukla, KGMU, Lko Dr. Priya Dutta, PGI Chandigarh

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