



F-17 WORKSHOP: APCON 2025

TOPIC - "Breaking Silos: Microbiology meets Pathology in the era of emerging fungal threats "

Moderator - Dr T Karuna (Professor, Department of Microbiology, AIIMS Bhopal, M.P)

S.No	Topic	Speaker	Time
1	Welcome Address to the Workshop Pre workshop Assessment	Dr T Karuna	9:00 AM - 9:05 AM
2	Importance of Mycopathology in Clinical Practice & Research: An overview	Dr. Vaishali Walke	9:05 AM - 9:20 AM
3	Basics of Fungal Pathology (Didactic) - Classification of fungi (yeasts, molds, dimorphic fungi) - Fungal cell wall & virulence factors & Host-pathogen interactions (innate & adaptive immunity) - Overview of mycoses: superficial, cutaneous, systemic, opportunistic	Dr Archana Keche Dr Rahul Garg Dr T Karuna Moderators: (Dr Patil Parag Parshuram Dr Rakesh Gupta Dr Garima Goel)	9:20 AM - 9:50 AM
TEA BREAK			9:50 AM - 10:00 AM
5	Direct Microscopy & Staining in Mycology (Demo) - Fungal Pathogenesis - Histopathology of fungal infections and interpreting tissue reaction to different fungi - Interpreting Non cultivable fungi: Pneumocystis and others - Special stains	Dr Srimana Mukhopadhyay Dr Rakesh Gupta Dr Patil Parag Parshuram Moderators: Dr Archana Keche Dr Hemlata Panwar (Pre Test, Post Test & Practical Slide Session)	10:00 AM - 11:00 AM



	- KOH mount and its modifications - India Ink & its alternatives	Dr Rahul Garg	11:00 AM - 11:30 AM
6	Clinical Mycopathology – Real World Case Based Learning - Dermatophytosis epidemic in India - Invasive candidiasis & candidemia - Cryptococcosis - Pulmonary aspergillosis - Mucormycosis - NTD - Ophthalmology cases - Other hyaline and melanized mold infections - Rare & emerging fungi	Dr Rakesh Gupta Dr Patil Parag Parshuram Dr Srimana Mukhopadhyay Dr Archana Keche Dr Rahul Garg Dr T Karuna Moderators: Dr Vaishali Walke	11:30 AM - 1:00 PM
LUNCH BREAK			1:00 PM - 2:00 PM
7	Molecular & Advanced Diagnostics in Mycology (Brief Interactive Talk) - PCR, qPCR, MALDI-TOF in fungal ID from paraffin embedded slides, direct samples and culture - Antigen/antibody tests (Galactomannan, β-D-glucan, Cryptococcal antigen) - Antifungal resistance - Role of Next-Gen Sequencing	Dr Patil Parag Parshuram Dr Srimana Mukhopadhyay Dr Archana Keche Dr Rahul Garg Moderators: Dr Sramana Mukhopadhyay	2:00 PM - 2:45 PM
8	Discussion and Q & A, Post Workshop Assessment & Feedback	All Participants Moderator Dr T Karuna	