



46 Annual Conference of Indian Association of Medical Microbiologists





Atal Bihari Vajpayee Scientific Convention Center, Lucknow

Pre Conference CME cum Workshop

Combatting Fungal Infection: Laboratory diagnosis, AFST and molecular methods

Objective of the workshop: The objective of the workshop on Mycology is to provide participants with a comprehensive understanding of medical mycology and enhance their knowledge and skills in the diagnosis and identification of fungal infections. The workshop aims to cover various topics related to mycology, including laboratory approaches, diagnostic techniques, identification methods, and the use of biomarkers and serological tests. Participants will also be familiarized with antifungal agents, antifungal susceptibility testing, and the application of MALDI-TOF MS in fungal diagnosis. By the end of the workshop, participants will have gained practical insights and proficiency in mycological techniques, enabling them to improve fungal infection diagnosis and management.

Current relevance of the topic: Fungal infections remain a significant global health concern due to emerging pathogens and diagnostic challenges. The workshop aims to equip participants with practical insights and proficiency in mycological techniques for improved diagnosis and management.

What will you gain from attending the workshop? Attending the workshop will enhance your knowledge and skills in medical mycology, improving your ability to diagnose and manage fungal infections effectively.

Who is the target population? Post graduate MD students (JR/SR), young faculty members in microbiology. Short description of expertise of key resource person: Prof. Malini R Capoor, VMMC & SJH

Detailed Agenda

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	Topic	Resource person
8:45 am - 9:15 am	Registration	
Registration&Inauguration	Welcome	
	Introduction to the course	
	Pre-Test	
9:15 am - 9:45 am	(L) Introduction to Medical	Dr. Malini R Capoor
7.13	Mycology	VMMC & SJH
9:45 am - 10:15 am	(L) Approaches for Laboratory	Dr. Malini R Capoor
	Diagnosis of fungal infection	
10:15 am - 10:40 am	(L) Media and stains used in	Dr. Vinita Khare
	diagnostic Mycology	
10:40 am – 11:10 am	(L)- Antifungal agents & antifungal	Dr. Rakesh Singh
	susceptibility testing & AFS	
11:10 am - 11:25 am	TEA BREAK	
		D 141: : D 0
11:25 am - 11:55 pm	(L) Identification of moulds	Dr. Malini R Capoor
11:55 pm – 12:30pm	(L) (D & P) Basic mycological	Dr. Malini R Capoor
	techniques, processing of samples	
	and direct microscopy	
	Histopathology in fungal infections	
		Dr Sonam Sharma
12:30 pm- 1:30pm	(D) Conventional identification of	Dr. Malini R Capoor
	yeasts &moulds and AFST (BMD)	Dr Sanchi Kashyap
	Automation: Yeast ID& AFST	Dr Sutapa Das
	ridiomation: reast insecting i	Dr Sheetal Sharma
		Mr. Vivek Kumar
		Ms. Priyamvada Saxena
1:20 pm 02:00 pm	LUNCH BREAK	IVIS. I TIYAHIVADA SAXEHA
1:30 pm - 02:00 pm 2:00 pm - 02:20 pm	(L) Biomarkers and serological tests	Dr. Malini R Capoor
		Dr. Maiini K Capoor
	in Mycology (Antigen & Antibody	
	detection)	
2:20 pm – 2:40 pm	(L) PCR, other Molecular Assays	Dr. Malini R Capoor
	and Sequencing in diagnosis of	
	fungal infection	
2:40 pm - 3:50 pm	(D&P)Demonstration of PCR:	Dr. Malini R Capoor
	Aspergillus, Mucorales, P.jirovecii	Mr. Vijay Kumar Sonkar
	PCR from clinical samples	,,
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3:50 pm – 4:45 pm	(D& P)Demonstration of CLIA,	Dr. Malini R Capoor
	Galactomanan, B-D Glucan, Lateral	Dr Sutapa Das
	Flow Assay (Cryptococcus,	Mr. Nishant Gupta
	Aspergillus Ig G/IgM, Histoplasma)	
4:45 pm – 5:00 pm	(L)MALDI-TOF MS in fungal	Dr. Prashant Gupta
	diagnosis and antifungal	Di. I Idamini Oupid
	, -	
	susceptibility	
5:00 pm - 5:45 pm	(D) Demonstration of MALDI-TOF	Dr. Prashant Gupta
	MS	Mr Vijay Kumar Sonkar
5:45 pm-6: 05 pm	Fungal disease and resistance	Dr Erta Kalanxi, One Health,
5.45 pm-6. 05 pm	Surveillance: One Health Approach	USA
		Dr Malini R Capoor
	Post Test	I Dr Mahma P Coscor

Workshop Coordinator:

Dr. Prashant Gupta, Professor

Department of Microbiology

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