

Microbiology Workshop, 12-13th October, 2020 CPSP, Karachi, Pakistan

Who should attend?

Microbiology and infectious disease residents, fellows, technologists and consultants, physicians who deal with AMR and Microbiology reports in daily practice

Day 1: Antimicrobial Resistance: pattern recognition

Objectives:

At the end the participants will be able to recognise:

1. intrinsic resistance in gram positive and gram negative organisms and when to recheck identification
2. resistance patterns associated with particular mechanisms of resistance
3. how to set tests that detect specific mechanisms of resistance

Moderators:

Dr. Kauser Jabeen, Aga Khan University

Dr. Fizza Farooqui, Dow University

Time	Session	Facilitator
9.00 - 9.05	Welcome and introduction	Dr. Afia Zafar Aga Khan University
9.05 - 9.30	Intrinsic resistance in Gram negatives (E): Case 1 exercise	Dr. Sana Anwar Liaquat National Hospital
9.30 – 9.55	Penicillin resistance in Haemo, Pneumo & Staph: Case 2 exercise	Dr. Sana Anwar Liaquat National Hospital
9.55 - 10.20	Intrinsic resistance in Gram negatives (NE): Case 3 exercise	Dr. Joveria Farooqi Aga Khan University
10.20 - 10.45	Aminoglycosides and FQ: Case 4 exercise	Dr. Binish Arif Jinnah Sindh Medical University
10.45 - 11.15	Tea	
11.15 - 11.55	Beta lactamases: Case 4 exercise	Dr. Imran Ahmed Aga Khan University
12.00 - 12.30	Intrinsic resistance in Gram positives: Case 5 exercise	Dr. Luqman Satti PNS SHIFA Hospital
12.30 - 12.50	Inducible clinda resistance: Case 6 exercise	Dr. Luqman Satti PNS SHIFA Hospital
12.50 - 01.10	Role of new molecular methods in Antimicrobial Drug Resistance Detection and Monitoring	Dr. Najia Ghanchi Aga Khan University
1.10 - 1.30	Discussion	

Day 2: Applications in Clinical Microbiology

Objectives: Objectives:

At the end the participants will be able to understand:

1. importance of appropriate specimen collection, safety at work and diagnostic tests evaluations
2. use and interpretation of various modalities for the diagnosis of serious infections
3. basic steps in outbreak investigation

Moderators:

Prof. Afia Zafar, Aga Khan University

Prof. Faisal Iqbal Afridi, Ziauddin University

Time	Session	Facilitator
9.00 - 9.30	Specimen Handling of Respiratory Specimens in Microbiology Department	Prof. Irfan Mirza Armed Forces Institute of Pathology
9.30 - 10.10	Measures of Diagnostic Performance for ID Tests	Dr. Sadia Shakoor Aga Khan University
10.10 - 10.40	Use of Galactomannan & Beta D-Glucan in the Diagnosis of Invasive Fungal Infections	Dr. Mohammad Zeeshan Aga Khan University
10.40 -11.10	Fungal diagnosis by histopathology	Dr. Nasrullah Malik Shaukat Khanum Memorial Cancer Hospital & Research Centre
11.10 - 11.30	Tea	
11.30 - 12.00	Update on Non-Culture methods for the Diagnosis of Sepsis, Meningitis and other Infections	Dr. Seema Irfan Aga Khan University
12.00 - 12.30	Discordance of Genotypic and Phenotypic methods for the detection of Rifampicin resistance - How to investigate	Dr. Nazia Khurshid Indus Hospital
12.30 - 01.00	Risk Assessment in Microbiology Laboratory	Dr. Faisal Hanif Army Medical College
1.00 -1.30	Outbreak Investigation	Prof. Afia Zafar Aga Khan University
1.30 – 2.00	Discussion	