



## UP-UK MICROCON 2026

### 21<sup>st</sup> Annual Conference of UP-UK

#### Chapter of Indian Association of Medical Microbiologists

#### Theme - Advances in Clinical Microbiology: Shaping Patient Care

#### Pre - Conference Workshop

#### Workshop No.06 : Conventional to Automation in diagnosis of Parasites

**Course Chairperson:** Prof. Rungmei S K Marak

**Course Coordinator:** Dr. Awadhesh Kumar

### CONVENTIONAL METHODS

#### 1. Microscopy

- Routine microscopy: Wet mount (Normal Saline and Iodine mount)
- Special stains: modified acid-fast stain, modified trichrome stain, Giemsa stain

#### 2. Stool culture for Entero-pathogens

- Serology:** ELISA for detection of IgG *Entamoeba histolytica* and *Echinococcus granulosus*

### AUTOMATION METHODS

- Automation in Parasitology:** AI based microscopy (AGAPE F-60)
- Molecular:** Multiplex PCR for identification of GI pathogens (Syndromic panels)

### Resource Persons

#### External Faculty

Dr. Rakesh Singh, Professor, Deptt of Microbiology, JIPMER, Puducherry

Dr. Areena Hooda Siddiqui, Professor, Deptt of Microbiology, Autonomous Medical College, Amethi

#### Internal Faculty

Dr. Nidhi Tejan, Assistant Professor, Deptt of Microbiology, SGPGIMS

## Agenda : Conventional to Automation in diagnosis of Parasites

Timing	Topic	Resource Faculty
08:00 AM - 08:45 AM	Registration	
08:45 AM - 09:00 AM	Registration & Pre-test	
09:00 AM - 09:10 AM	Inaugural remarks	Dr. Rungmei S K Marak Organizing Chairperson
09:10 AM - 09:30 AM	Conventional Parasitological Diagnosis: Scope & Limitations	Dr. Rakesh Singh
09:30 AM - 09:50 AM	Automation in Parasitology: AI-based platforms and multiplex PCR	Dr. Areena Hooda Siddiqui
10:00 AM - 10:20 AM	Tea Break	
10:20 AM - 10:40 AM	Staining methods in diagnosis of parasites	Dr. Awadhesh Kumar
10:40 AM - 11:10 AM	Diagnosis of <i>Clostridioides difficile</i> toxin	Dr. Nidhi Tejan
10:40 AM - 11:10 AM	Serological methods in diagnosis of parasitic infection	Dr. Diksha Shukla
11:10 AM - 01:30 PM	Hands-on Practical Session I (2 Batches)	Dr. Awadhesh Kumar
01:30 PM - 02:00 PM	Lunch Break	
02:00 PM - 03:30 PM	Hands-on Practical Session II (2 Batches)	Dr. Nidhi Tejan
03:30 PM - 03:45 PM	Tea Break	
03:45 PM - 04:15 PM	Hands-on Practical Session III (2 Batches)	Dr. Diksha Shukla
04:15 PM - 04:30 PM	Post-test & Feedback	
04:30 PM - 05:00 PM	Valedictory & Certificate distribution	



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## Workshop No. 07: CLABSI BUNDLE CARE & VENTILATOR-ASSOCIATED EVENTS (VAE) BUNDLE CARE

**Date:** 6th February 2025

**Venue:** Department of Microbiology, RMLIMS, Lucknow

**Maximum participants:** 20

#### Under the Aegis of IAMM UP-UK Chapter

**THEME:** Towards Zero CLABSI & VAE: Transforming Patient Care Through Bundles

#### Workshop Overview

The Department of Microbiology, Dr. Ram Manohar Lohia Institute of Medical Sciences (RMLIMS), Lucknow is organizing a dedicated hands-on workshop on **CLABSI (Central Line–Associated Bloodstream Infection) Bundle Care** and **VAE (Ventilator-Associated Events) Bundle Care** as part of **UP-UK MICROCON 2026**. This workshop aims to strengthen evidence-based infection prevention practices in critical care settings, with special emphasis on surveillance, device care, bundle implementation, monitoring, and quality improvement.

#### Under the Aegis of IAMM UP–UK Chapter

This academic activity is being conducted **under the aegis of the Indian Association of Medical Microbiologists (IAMM), UP-UK Chapter**, as part of **UP-UK MICROCON 2026**, hosted by **Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGI), Lucknow**.

**Target Audience:** This workshop is specifically designed for:

- **MD Microbiology Residents**
- **Critical Care Residents (MD/DM/Fellows)**
- **Infection Prevention & Control (IPC) Team Members**

#### Key Highlights

- Principles and components of CLABSI and VAE bundles
- Practical demonstrations and hands-on training
- Device insertion & maintenance safety protocols
- Surveillance definitions (CDC/NHSN based) and case studies
- Audit tools, monitoring checklists & performance indicators
- Root-cause analysis and prevention strategies for outbreaks
- Multidisciplinary implementation approaches in ICUs

**Chairperson:** Dr. Jyotsna Agarwal

**Organising Secretary:** Dr. Manodeep Sen

**Co-organizing Secretary:** Prof. Fatima Khan

**Scientific Advisor:** Prof. Anupam Das

**Resource person:** Dr. Rimjhim, Dr. Mohd. Saquib, Dr. Anuragini, Dr. Akanksha Gupta



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### Pre - Conference Workshop

#### Workshop No.08: MICRO-ED NEXT: *Future-Ready Teaching through SDL and Gamification*

**Organizing Department:** Department of Microbiology, King George's Medical University, Lucknow

**Course Directors:** Prof. Vimala Venkatesh, Dr. Parul Jain

**Target Participants:** Faculty members

**Maximum number of participants:** 30

**Duration:** One Day

**Date:** 06.02.2026

**Venue:** Room no 309, Kalam center, KGMU, Lucknow

#### Learning Objectives of the workshop:

At the end of this workshop, the participants will be able to:

1. Explain the principles and importance of **Self-Directed Learning (SDL)** in Competency-Based Medical Education.
2. Identify suitable topics in Microbiology for implementing SDL and gamification.
3. Design a **structured SDL module** including learning objectives, activities and assessment.
4. Describe the concept and educational value of **gamification** in medical education.
5. Develop simple **gamified teaching-learning resources** for Microbiology topics.
6. Integrate SDL and gamification strategies into the undergraduate and postgraduate Microbiology curriculum.
7. Apply appropriate **assessment and feedback methods** for SDL and gamified learning.

**Agenda : MICRO-ED NEXT: *Future-Ready Teaching through SDL and Gamification***

<b>Timing</b>	<b>Topic</b>	<b>Teaching-Learning Method</b>	<b>Resource Faculty</b>
<b>09:00 AM - 09:30 AM</b>	Registration & Pre-test		
<b>09:30 AM - 10:00 AM</b>	Inaugural session		
<b>10:00 AM - 11:00 AM</b>	Foundations of Self-Directed Learning (SDL) in Medical Education	Interactive lecture	Prof. R. K. Dixit
<b>11:00 AM - 11:15 AM</b>	Tea Break		
<b>11:15 AM - 01:00 PM</b>	Designing SDL Modules in Microbiology	Group work & discussion	Dr. Suyog Sindhu Dr. Parul Jain
<b>01:00 PM - 01:30 PM</b>	Introduction to Gamification in Medical Education	Demonstration & interaction	Prof. Vimala Venkatesh
<b>01:30 PM - 02:00 PM</b>	Lunch Break		
<b>02:00 PM - 03:30 PM</b>	Gamification Strategies in Microbiology	Hands-on workshop	Dr. Parul Jain Dr. Suyog Sindhu
<b>03:30 PM - 03:45 PM</b>	Tea break		
<b>03:45 PM - 04:15 PM</b>	Integrating SDL & Gamification in CBME	Panel discussion	
<b>04:15 PM - 04:30 PM</b>	Post-test & Feedback		
<b>04:30 PM - 05:00 PM</b>	Valedictory		