**International Pathology Course**

**Clinical Microbiology and Infection Control & Prevention**

**( Track -1 – 19th and 20th August 2025)**

**Theme :**

**Clinical Microbiology ( 19th August) – Interpretation of Clinical Microbiology reports and its Impact on Patient management**

**Hospital Infection Control – An Update ( 20th August 2025 ) – The current, the debatable and Ill understood scenarios**

**Clinical Microbiology – 19th August 2025**

**Introduction :** The role of an appropriately worded report in sync with the clinical details and status of the patient at the time of testing, emanating from a clinical microbiology laboratory cannot be overemphasised. It is vital for a clear understanding and agreement between the Clinical Microbiologist and the treating physician/ clinician or the operating surgeon on what may and what may not be considered as significant infective aetiology in a given clinical situation. Moreover many a clinical situation may call for a Non infective Pathology as a diagnostic option. Incorrect diagnosis, borne out of misjudgement on account of the lack of clinical information to the laboratory, or inadequate history taking coupled with inadequate clinical examination could prove detrimental and dangerous to a patient.

This course aims at learning to interpret reports collated with clinical information from a patient to arrive at a final clinical impression as well as attempt at directing therapy in a patient. This will be done with the help of clinical examples of cases as we encounter baffling situations in our routine work.

**19th August 2025**

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| Time of the session | Broad Topic of the session | Subtopics | Speakers |
| 8.00 am – 8.30 am | Registration |  |  |
| 8.30 am- 8.40 am | Introduction to the Course |  | **Dr. Ranganathan Iyer**  **Rainbow Children’s Hospital**  **Hyderabad** |
| 8.45 am – 10.15 am | CNS Infections  Learning from Clinical Cases | Meningitis  Encephalitis  Brain space occupying lesions and abscesses  Infection mimics in CNS Conditions  Hydrocephalus and Omaya Reservoir Infections | **Dr. Ranganathan N Iyer**  **Dr. Vijendra Kawle Rainbow Children’s Hospital Hyderabad** |
| 10.15 am- 10.30 am | TEA BREAK |  |  |
| 10.30 am- 12.45 pm | Lower Respiratory Infections/ Pneumonias | Community acquired pneumonia ( CAP )  Hospital acquired and Ventilator Associated pneumonia( HAP/ VAP )  Atypical pneumonia – What’s new and what are mimis  How does one Interpret BAL fluid cultures & Endotracheal secretions- Do colony counts and Molecular testing help ? | **Dr. Ranganathan N Iyer** |
| 12.45 pm- 1.00 pm | Q/A on the morning sessions |  |  |
| 1.00 pm- 1.45 pm | LUNCH BREAK |  |  |
| 1.45 pm- 3.00 pm | Tissue and Bone/ Joint Infections | Osteomyelitis  Septic arthritis  Diabetic Foot Infections  SSTI ( Skin and Soft tissue Infections ) | **Dr. Ranganathan Iyer**  **Dr. Rekha Jangam Rao, Sr. Consultant and Head, Microbiology, Gleneagles Hospitals LKP and Agilus Diagnostics Hyderabad** |
| 3.00 pm- 5.15 PM | Intra- abdominal Infections and Transplant Infections | Primary and Secondary Peritonitis  Pancreatits and Hepato- Biliary Infections  Liver and Kidney Transplant Infections  GIT/ Enteric Fever syndromes  Pyelonephritis and Upper UTI  Complicated UTI in children | **Dr. Ranganathan Iyer**  **Dr. Vijendra Kawle. Consultant Microbiology, Rainbow Hospitals Hyderabad** |
| 5.15 pm – 5.30 pm | Q/ A |  |  |
| 5.30 pm | TEA AND DISPERSE |  |  |
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**20TH August 2025**

**Infection Prevention and Control – An Update**

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| Time | Topic | Subtopic/s and Speakers |
| 8.00 am – 9.30 00 am | Update in Sterilisation | Do we continue with ETO or change to Gas Plasma Sterilisation ( **Dr. Ranganathan Iyer Hyderabad** )  Quality assurance in Sterilisation ( **Mr. Ujjal Chakraborty CSSD Consultant ( Kolkata)** |
| 9.30 am – 10.15 am | Infection Control & CNS devices | Extra Ventricular Device Related Infections ( **Dr. Mitul Patel, Consultant Microbiology and Infection Control, Birmingham Children’s HospitalUK – Online session** )  Post Neurosurgical Meningitis ( **Dr. Kavita Raja Prof and Head, Microbiology, Sree Chitra Tirunal Institute Trivandrum )** |
| 10.15 am- 10.30 am | TEA BREAK |  |
| 10.30 am - 12. Noon | Hot topcis ( what’s new ) | Scope Disinfection ( **Dr. Ranganathan Iyer Hyderabad** )  Ventilation and AHU maintenance **( Dr. Gita Natarajan, Prof Emeritus Seth GS Med College and KEM Hospital Mumbai )**  Environment and Infection control ( **Dr. Ratnamani Sharma, Apollo Hospitals Hyderabad )**  Food and Water related Infections **( Dr. Y.V.Sadhana, Director and Head, Clinical Microbiology AIG Hospitals Hyderabad)** |
| 12.00 Noon- 12.30 pm | New terms in Healthcare Associated Infections | HO BSI  HO- CA BSI  CA BSI  What are they and what is their impact on Infection rates in hospitals ( **Dr. Ranganathan Iyer** ) |
| 12.30 pm – 1.00 pm | Q/A on the morning sessions |  |
| 1.00 pm- 1.45 pm | LUNCH BREAK |  |
| 1.45 pm- 3.00 pm | Operation Theatres – More Questions than answers | Commissioning of Operation Theatre- Our role ?  Behaviour and Rituals in Theatres – How do we convince surgeons and anaesthesiologists ? ( **Dr. Ranganathan N Iyer )**  Flash sterilisation- problems and the way ahead ( **Dr. D. Radha Rani Basavatarakam Indo American Cancer Centre Hyderabad )** |
| 3.00 pm- 5.15 pm | Infection Control in Special situations | * Dialysis related infections- what’s new? **( Dr. Sangeeta Joshi – New Delhi)** * Implant related infections ( **Dr. Kushlani Jeyetilleke Jayawardenapura General Hospital Sri Lanka)** * Immunisation of staff caring for patients **( Dr. Pratik Patil, Consultant Infectious Diseases, KIMS Hospitals Secundarabad)** * HSCT & BMT patients ( **Dr. D. Radha Rani Basavatarakam Indo American Cancer Centre Hyderabad )** |
| 5.15 pm – 5.30 pm | Q/A from the delegates |  |
| 5.30 pm | TEA & DISPERSE | CERTIFICATES FOR THE COURSE |