



## International Pathology & Laboratory Medicine Course

*“Laboratory Medicine: The Art & Science leading to Cure of Disease”*

**Organised by:**

**Department of Laboratory Medicine,  
Rainbow Children's Hospital, Hyderabad**

**Organisers:**

**Dr. Ranganathan N. Iyer**

Director Clin. Micro, Infections & Inf. Control  
Rainbow Children's Hospital, Hyderabad  
Assoc. Reg. Advisor SE Asia RC Path (UK)

**Dr. Kedar Deodhar**

Prof. Department of Pathology  
Tata Memorial Hospital, Mumbai  
Regional Adviser SE Asia RC Path (UK)

**August 19-22, 2025**

**Venue:**



**Hotel Abode by Shree Venkateshwara  
Lakdi-ka-pul, Hyderabad - 500 028**

*Course Organising Secretariat:*

**Dr. Ranganathan N Iyer**

Organiser, International Pathology & Laboratory Medicine Course  
Dept. of Clinical Microbiology and Infection Control  
Rainbow Children's Hospital & Birthright by Rainbow,  
Road No. 2, Banjara Hills, Hyderabad - 500 034  
Tel (M): +91 9849690680

E mail: [ranganathaniyer@yahoo.com](mailto:ranganathaniyer@yahoo.com),  
[medhealthcarefoundation@gmail.com](mailto:medhealthcarefoundation@gmail.com)

## **International Pathology & Laboratory Medicine Course**

### **Introduction to the Course:**

This is to extend a warm welcome to all delegates from across SE Asia to be a part of the International Pathology and Laboratory Medicine course. The field of Laboratory Medicine has been a diverse array of specialities, each of which contributes immensely to a timely, precise and accurate diagnosis of medical conditions in patients, necessitating treatment, leading to cure. The field of Laboratory Medicine comprises of Histopathology, Cytopathology, Haematology and Clinical Pathology, Transfusion Medicine, Clinical Biochemistry – Chemical Pathology and Microbiology and Infection Management with Infection Control and Prevention. In addition, there are many other subspecialties such as Organ systems Pathology (Nephropathology, Neuropathology, etc.), Immunology, Histocompatibility and Immunogenetics to name a few.

The appropriate management of patients is increasingly directed by correct interpretation of results emanating from Laboratory investigations in the light of clinical knowledge. Hence, it cannot be overemphasised that the role of Laboratory Medicine does not stop with performance of tests using automated equipment with good quality control and assurance. It has a larger role to play, when medical professionals from any branch of Laboratory Medicine dwell into the clinical details of a patient and correlate these with the results of investigations from the laboratory and also suggest or tailor the investigations towards faster and appropriate management of patients. This course is a serious attempt in bringing forth the role of the “Laboratory Physician” in appropriate patient management in modern medicine. The course would revolve around “Learning Laboratory Medicine by Clinical Cases” which will hopefully leave the audience and the faculty at the Course with good Take Home Messages for a better practice and patient care. We hope that this Course would be a good learning exercise for the young and uninitiated minds and open vistas of good correlation, diagnostic and management practice.

**The Four day International Pathology course is divided into four (4) Tracks namely:**

Track – 1 = Clinical Microbiology and Infection Control

Track – 2 = Haematology and Transfusion Medicine

Track – 3 = Clinical Biochemistry and Chemical Pathology

Track – 4 = Histopathology and Cytopathology

### **Dates for Tracks :**

**A. Tracks 1 & 2 subjects will run in parallel on the 19<sup>th</sup> and 20<sup>th</sup> August 2025.**

**B. Tracks 3 & 4 subjects will run in parallel on the 21<sup>st</sup> and 22<sup>nd</sup> August 2025.**

The tracks have been designed so as to enable Laboratory Medicine professionals to choose their individual tracks of interest, if possible also be in a position to attend more than one track on consecutive days. Information on the topics and confirmed faculty in each of the Tracks is presented below.

**Who will benefit:** Junior Residents pursuing their MD/DNB/FRCPATH courses. Senior Residents and Consultants in Pathology, Haemato-pathology, Biochemistry, Microbiology & Infection Control, Transfusion Medicine, Internal Medicine, Paediatrics and Laboratory Medicine.

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### **Track – 1: Clinical Microbiology & Infection Control**

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**Course Coordinator: Dr. Ranganathan N Iyer**

**Clinical Microbiology (19<sup>th</sup> August 2025) – Interpretation of Clinical Microbiology reports and its Impact on Patient management**

**Hospital Infection Control – An Update (20<sup>th</sup> August 2025) – The current, the debatable and Lesser understood scenarios**

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.

Topics to be Covered on the two days is as follows:

### **Clinical Microbiology (19<sup>th</sup> August 2025) – Learning from Clinical Cases & Problems**

- \* **CNS Infections** (Meningitis, Encephalitis and Space occupying Lesions and Brain abscesses, Infection mimics in the CNS)
- \* **Lower Respiratory Tract Infections and Pneumonias** (Community acquired pneumonia, Hospital acquired and Ventilator Associated pneumonia, Atypical pneumonia – What’s new and what are mimics, How does one Interpret BAL fluid cultures & Endotracheal secretions- Do colony counts and Molecular testing help?)
- \* **Tissues and Bone / Joint Infections** (Osteomyelitis, Septic Arthritis, Skin and Soft Tissue Infections)
- \* **Intra- abdominal Infections and Transplant Infections** Primary and Secondary Peritonitis, Pancreatitis and Hepato-Biliary Infections, Liver and Kidney Transplant Infections, GIT/ Enteric Fever syndromes, Pyelonephritis and Upper UTI, Complicated UTI in children)

### **Hospital Infection Control Update (20<sup>th</sup> August 2025) – Learning from Problems and Solutions**

- \* **Update on Sterilisation** (Do we continue with ETO or change to Gas Plasma Sterilisation, Quality assurance in Sterilisation, Re-use of a Single use Device)
- \* **Infection Control and CNS Devices** (Ventriculitis and Omayia Reservoir Related Infections, Post Neurosurgical Meningitis)

- \* **What’s New in these?** (Scope Disinfection, Ventilation and AHU maintenance, Environment and Infection control, Food and Water related Infections)
- \* **New terms in Health Care Infections** (HO BSI, HO- CA BSI, CA BSI, What are they and what is their impact on Infection rates in hospitals)
- \* **Operation Theatres – More Questions than Answers** (Commissioning of Operation Theatre- Our role? Behaviour and Rituals in Theatres – How do we convince surgeons and anaesthesiologists? Flash sterilisation- problems and the way ahead)
- \* **Infection Control in Special Situations** (Dialysis related infections- what’s new? Implant related infections, Immunisation of staff caring for patients, HSCT & BMT patients)

### **Faculty:**

- \* Dr. Ranganathan N Iyer, Rainbow Children’s Hospital, Hyderabad
- \* Dr. Kushlani Jeyetilleke, Jayawardanapura General Hospital, Sri Lanka
- \* Dr. Vijendra Kawle, Rainbow Children’s Hospital, Hyderabad
- \* Dr. Kavita Raja, Sree Chitra Tirunal Institute, Trivandrum
- \* Dr. Sangeeta Joshi, Ex Manipal Hospitals, New Delhi
- \* Mr. Ujjal Chakraborty, Consultant CSSD East India Region
- \* Dr. Rekha Jangam Rao, Gleneagles Hospital and Agilus Diagnostics, Hyderabad
- \* Dr. Mitul Patel, Birmingham Children’s Hospital, UK
- \* Dr. Gita Natarajan, Seth G.S. Medical College and KEM Hospital, Mumbai
- \* Ratnamani Sharma, Apollo Hospitals, Hyderabad
- \* Dr. Y.V. Sadhana, Asian Institute of Gastroenterology, Hyderabad
- \* Dr. D. Radha Rani, Basavatarakam Indo-American Cancer Institute, Hyderabad
- \* Dr. Pratil Patil, KIMS Hospitals, Secunderabad

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**Track – 2: Haematology & Transfusion Medicine in Practice. August 19-20, 2025**

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**Course coordinators: Dr. K. Gayathri & Dr. Sudha Ranganathan**

**Objectives:** The course aims to provide insights into the way haematologic evaluation and the value of considered involvement of the diagnostic consultant contributes to patient management.

**Design:** A practical and problem solving approach to clinical cases will form the basis of discussions. The sessions will be conducted by subject experts from across the country addressing varied clinical situations and specialities.

**The following aspects/ Topics will be addressed:**

**A. Red cell abnormalities- their spectrum of manifestation**

- \* Basic investigations, their utility in day to day practice – Automation & morphology
- \* Algorithmic approach to evaluation of anemia - How useful is it?
- \* Testing for etiopathogenesis of anemia – choosing the right investigations
- \* Molecular testing – utility in diagnostics for red cell abnormalities

**B. Anemias beyond inherited causes**

- \* Nutritional anemias
- \* Systemic disorders and red cell abnormalities
- \* Basics of Immunohaematology
- \* Immune haemolysis

**C. Marrow examination as a diagnostic tool**

- \* Morphologic evaluation and its value in day to day practice
- \* Marrow – information obtained from molecular testing
- \* Extended testing of marrow (molecular diagnostics)
- \* Role of marrow evaluation for haematologic neoplasms

**D. Bleeding & haemostatic disorders**

- \* Lab based tests – their value in diagnosis
- \* Point of Care testing – role in patient care
- \* Organising a First line testing lab

**E. Transfusion Medicine**

- \* Platelet transfusion in clinical practice
- \* Adverse reactions of transfusion
- \* Role of emerging technology in blood safety

**Faculty:**

- \* Dr. Debdatta Basu, MG Medical College & Research Institute, Puducherry
- \* Dr. Deepika Mohanty, Apollo Hospitals, Bhubaneswar
- \* Dr. Gayathri K, Tapadia Diagnostic Services, Hyderabad
- \* Dr. Manasi Mundada, Basava Tarakam Cancer Hospital & Research Centre, Hyderabad
- \* Dr. Mayur Parihar, Tata Memorial Cancer Inst., Kolkata
- \* Dr. Prashant Sharma, Post Graduate Institute for Medical Education & Research, Chandigarh
- \* Dr. Roshni Tara Paul, Nizam's Institute of Medical Sciences, Hyderabad
- \* Dr. Sangeeta Phatak, MaxHealthCare, New Delhi
- \* Dr. Shanti K, Nizam's Institute of Medical Sciences, Hyderabad
- \* Dr. Shantveer Uppin, Nizam's Institute of Medical Sciences, Hyderabad
- \* Dr. Sudha Ranganathan, Apollo Hospitals, Hyderabad
- \* Dr. Suresh Nair, Christian Medical College, Vellore

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**Track – 3: Clinical Biochemistry and Chemical Pathology**

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**Course Coordinator: Dr. K. Shanthi Naidu**

The following aspects to be addressed:

**Day 1**

**Chemical Pathology – The Laboratory**

1. Laboratory and diagnostic stewardship
2. Paradigm shift in teaching Clinical chemistry/Medical biochemistry for specialization
3. Is online teaching and crowded webinar straying away from the purpose
4. Laboratory standards ISO and CLSI
5. Integrating laboratory mathematics to clinical medicine via the laboratory
6. Application of artificial intelligence, curse or boon in the laboratory
7. Flow cytometry – Its utility in the chemical pathology laboratory
8. Dynamics of the clinical chemistry laboratory (Panel discussion – Clinical cases)
  - a. AKI and CKD
  - b. Thyroid disorders
  - c. Diabetes
  - d. Bone turnover and Parathyroid
9. Harmonisation of reporting - Is it a myth?

**Day 2**

**Chemical Pathology – Clinical Medicine**

1. Electrolyte imbalance, ABG and their complexities
2. Understanding peripheral smear in reporting iron studies and haemoglobinopathies for a chemical pathologist
3. Biochemical diagnostic approach to hypertension
4. Interpretation of Troponin and NT pro BNP in different scenarios

5. Anti tubercular therapy induced liver injury
6. Advances in molecular and genetic diagnostics of various disorders
7. Genomics in oncology – Past, present and future
8. Diagnostics in Comprehensive Genomic Profiling of Colorectal Cancer using targeted sequencing in an Indian Cohort

**Faculty:**

- \* Dr. Akila Prashant, Professor and Head – Laboratory, JSS Medical College, Mysore
- \* Dr. Animesh Bardoloi, Laboratory Director, Guwahati
- \* Dr. Anurodh Gupta, AFMC, Pune
- \* Dr. Anithadevanath, Professor, St John's Medical College, Bangalore
- \* Dr. Ashish Agarwal, Associate Professor, Vadodara
- \* Dr. Bipin Kumar Sethi, Consultant Endocrinologist, CARE Hospital
- \* Dr. V. Govindaraju, Ex Medical & Academic Superintendent, Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bengaluru, Ex-Director of Sanjay Gandhi Institute of Trauma Orthopaedics, Bengaluru
- \* Dr. Jasbinder Kaur, Ex Principal, Professor, GMC & Hospital, Chandigarh
- \* Dr. Joe Varghese, Professor, CMC, Vellore
- \* Dr. P. Krishnam Raju, Consultant Cardiologist, CARE Hospital, Hyderabad, Ex Chairman, CARE Foundation
- \* Dr. Mithu Banerjee, Professor and Head, AIIMS, Jodhpur
- \* Dr. Pragna Dolia, Ex Dean, MMC, Chennai
- \* Dr. P.V.L.N. Srinivasa Rao, Ex Dean, SVIMS, Tirupati
- \* Dr. Shanmugapriya, Head – Research, Kriya Medical Technologies, Chennai
- \* Dr. Shailaja A, Professor and Head, Vaidehi Medical College, Bangalore
- \* Dr. Shanthi Naidu K., Consultant, CARE Hospital, Hyderabad



**Panel Discussion:**

- \* Dr. Aparna Bitla, Professor & HOD, SVIMS, Tirupati
- \* Dr. Mithu Banerjee, Professor, AIIMS, Jodhpur
- \* Dr. Prashanthi, Consultant, Renova Century Hospital, Hyderabad
- \* Dr. Shivani, Professor, GMC & Hospital, Chandigarh
- \* Dr. Suhasini D., Retired Apollo Hospital, Hyderabad
- \* Dr. Vidya, Professor & HOD, AIIMS, Mangalgi

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**Track - 4: Histopathology and Cytopathology**

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**Course Coordinator: Dr. Kedar Deodhar**

The course will focus on learning Histopathology and its subspecialties through slide seminars and clinical case discussions, leading to a better understanding of the diagnostic algorithms used in individual cases.

**Topics to be covered:**

- \* Haematopathology and Breast Pathology
- \* Bone and Soft Tissue pathology
- \* Gastrointestinal Pathology
- \* Gynaecological Pathology
- \* Neuropathology
- \* Renal Pathology

**Faculty:**

- \* Dr. Kedar Deodhar, Tata Memorial Hospital, Mumbai
- \* Dr. Tanuja Shet, Tata Memorial Hospital, Mumbai
- \* Dr. Bharat Reki, Tata Memorial Hospital, Mumbai
- \* Dr. Renu Mariam Thomas, VPS Lakeshore Hospital and Research Centre, Kochi
- \* Dr. Anitha Mahadevan, NIMHANS, Bangalore
- \* Dr. C. Sundaram, Basavatarakam Indo American Cancer Centre, Hyderabad
- \* Dr. Swarnalatha G, Apollo Hospitals, Hyderabad
- \* Dr. Megha Uppin, Nizam's Institute of Medical Sciences, Hyderabad
- \* Dr. Anuradha Sekaran, Asian Institute of Gastroenterology, Hyderabad

**COURSE INFORMATION**

**Venue :** The International Pathology and Laboratory Medicine course will be held at the Hotel Abode by Venkateswara Lakdikapul, Hyderabad from the 19<sup>th</sup> to the 22<sup>nd</sup> August 2025. It is located conveniently within 5 minutes walking distance from the Lakdikapul Railway station, 5 minutes walking distance from the bus station, 30 minutes from Secunderabad and 15 minutes from the Nampally Railway stations respectively. The Lakdikapul metro station is located adjacent to the Hotel Abode by Venkateswara. The detailed programme for each of the tracks will be sent in by the first week of June 2025

**Language :** The official language at the course will be English

**Weather and Climate :** The weather in August should be pleasant with the receding monsoon and overall the climate would be cool and peaceful in Hyderabad

**Accommodation :**

- \* Please note that all delegates will have to make their own arrangements for accommodation during the course. The delegate fee does not include travel or accommodation
- \* There is a list of hotels mentioned below as a tabular form which are within a reasonable distance from the venue of the course. Delegates are advised to make their own arrangements to travel from their respective accommodation to the venue of the course
- \* Delegates attending the course may contact the hotels suggested here and book their own accommodation.

**REGISTRATION INFORMATION**

**Registration:** All delegates attending the International Pathology and Laboratory Medicine course 2025 will need to register for the same, paying the full delegate fees as mentioned below. The course organisation cannot accept registrations without payment or part – payment at the time of registration

**General Rules for Registration :**

- \* Full payment must accompany each registration form. Forms without payment or with partial payment will not be processed and such delegates cannot be considered to be registered.

- \* An acknowledgement for delegate registrations received will be sent out within a week of receiving the payment by E. mail to the delegate. Hence delegates are requested to send in a correct E mail address for correspondence. In addition, it is also mandatory for medically qualified delegates to send in their state medical council registration numbers with the State medical council in which their degree is registered. Failure to do so may lead to non receipt of certificates with credit points from the Telangana state medical council. Delegates may contact the course secretariat if they do not receive an acknowledgement within 15 days of sending the course payments.
- \* Final receipts in hard copy will be available to all delegates desiring the same at the course venue at the end of the Course

**The Delegate registration fee includes the following :**

- \* Attendance at the scientific sessions on both the days of the specific Track chosen by a delegate. No change of Tracks will be allowed once the registrations are received. Delegates may choose any of the tracks as aforementioned and pay the specific fees for the chosen Track. If a delegate wishes to register for more than one track, the delegate is advised to mention the same clearly in the registration form and the payment for all chosen tracks must be received. For (eg.), a Senior Resident in Pathology may choose to attend either Haematology or Histopathology or both and this is possible, provided the same is documented clearly in the registration form and the payments are made for both the tracks.
- \* Tea/Coffee sessions and Lunches as planned for the delegates attending the International Pathology course

**Associate Delegate fee includes the following :**

- \* Attendance at the Lunches and Tea/ Coffee sessions as planned during the International Pathology course.

**Registration fees for the course:**

Track / Subject	Upto 15.06.25 (INR)	Upto 31.07.25 (INR)	From 01.08.25 & Spot (INR)
<b>Track -1</b> (Clinical Microbiology & Infection control )	5,000	7,000	10,000
<b>Track -2</b> (Haematology and Transfusion Medicine)	5,000	7,000	10,000
<b>Track – 3</b> (Clinical Biochemistry and Chemical Pathology)	5,000	7,000	10,000
<b>Track- 4</b> ( Histopathology and Cytopathology)	5,000	7,000	10,000
International Delegates for the course	100 USD	150 USD	200 USD

P.S. Please note that all delegates registered as Spot Registrations will receive the delegate bag and documentation material of the Track chosen for the International Pathology and Laboratory Medicine, subject to availability. Attendance certificates with the Credit hours from the Telangana Medical Council may not be available for these delegates at the time of the course due to logistic reasons. However, we will make every effort to procure these certificates at a later date after the course.

**Payments :**

NEFT/RTGS Transfer to the following account could be made:

Name of the account : Medical and Health Care Foundation

Account Number : 107511010000011

Bank : Union Bank of India

Branch : Apollo Hospitals Branch  
Jubilee Hills Hyderabad – 500034

IFSC Code : UBIN0810754

Swift Code : UBININBBSOM

**Cancellation Policy :**

- \* If a written request or an E mail is received from a delegate by the 30<sup>th</sup> June 2025, the registration fee paid minus 50% will be returned back to the delegate
- \* No request for cancellation can be entertained after the 30<sup>th</sup> June 2025
- \* All cancellation money will be sent to the delegate concerned on completion of the Course

## Tourist Attractions

In addition to the scientific and learning events associated with the Conference, the following are some of the most popular tourist attractions within and around the city of Hyderabad.

### Within the city:

- \* **Charminar:** Four minarets as the name suggests was constructed in 1591, a heritage site and a global icon of Hyderabad city. It is surrounded by a variety of markets, located in the centre of the old city.
- \* **Golconda Fort:** One of the oldest citadel and forts in South India and was the capital of the Sultanate of the Qutb Shahi dynasty. It is located 11-12 kms from Hyderabad, easily approached by road. The light and sound show here depicts the past.
- \* **The Qutb Shahi Tombs:** Located at Ibrahim Bagh close to the Golkonda Fort, a collection of tombs built during the Qutb Shahi dynasty.
- \* **Ramoji Film City:** One of the most popular attractions of modern day visit to Hyderabad. One of the largest studio complexes in the world with 2000 acres of land. This was established by Ramoji Rao in 1996.
- \* **Birla Mandir:** A Hindu temple of Lord Balaji made of marble constructed by the Birla Foundation on a 85 mts hillock called Naubath Pahad.
- \* **The Buddha Statue:** Located in the middle of Hussain Sagar lake, the world's tallest monolith of Gautam Buddha. Can be reached by boating on the lake. This is coupled with the Lumbini Park that also has a popular light and sound fountain show.
- \* **Shilparamam:** An arts and crafts village located in Madhapur Hyderabad, built on 65 acres of land. The main aim of the village is to preserve traditional crafts with ethnic festivals around the year.
- \* **Chilkur Balaji Temple:** A popular temple dedicated to Lord Balaji located at the outskirts of Hyderabad.

### Hotels suggested for accommodation of delegates

Name of the Hotel	Address, distance from the venue	Contact Nos
Abode by Venkateshwara	Lakdi ka pul (the venue)	040-23236871
Sree Venkateshwara	Lakdi-ka-pul (adjacent to the venue)	040-23214403
Hampshire Plaza	Lakdi-ka-pul (in front of the venue)	040-23335555
Dwaraka	Lakdi-ka-pul (across the road from the venue)	040-23396261 09440057260
Rukmini Riviera	Lakdi-ka-pul (across the road from the venue)	040-66785566 09246591237
Central Court Hotel	Lakdi-ka-pul (behind the venue)	040-23232323
Best Western Ashoka	Lakdi-ka-pul (close to the venue)	040-23230205
Spearmint Sandhya	Lakdi-ka-pul (5 mins walk from the venue)	09959222892, 09908019204
Anmol Continental	Lakdi-ka-pul (10 mins from the venue)	09954999894
Hotel Quality Inn Residency	Opp Nampally Railway Station, Public Gardens Road Nampally (2 kms)	040-30616161