

Pathology

PG CURRICULUM

Pathology department of the institute is more than a hundred years old. The various training areas during the entire course focus on rotational postings (following NMC, erstwhile MCI, India guidelines) in Histopathology (Surgical & Gynec Pathology), Cytopathology, Hematology, Lymphoma-leukemia, Transfusion medicine and Laboratory Medicine (including 24 hour Trauma and Emergency services)

1. **LEARNING OUTCOMES:** After completing three years as MD Pathology resident
 1. One must be competent enough to provide laboratory based diagnosis of disease,
 2. Correlate pathological findings with clinical suspicion
 3. Be able to teach undergraduates (MBBS and BDS) and to a certain extent postgraduates,
 4. Be able to participate in research,
 5. Respect his/her fellow colleagues whether inter or intra departmental and
 6. Learn to work as a team with other specialists as well as paramedics, whether it is patient care or organisation of academic conferences or publications

2. SYLLABUS

The course content includes the following aspects :

1. Organization of Laboratory
2. Quality Assurance
3. Instrumentation
4. Clinical Biochemistry
5. Clinical Pathology
6. Clinical Hematology
7. Clinical Microbiology
8. Clinical Immunology
10. Technology
11. Clinical Medicine
12. Molecular diagnostics
13. Basic Course in Biomedical Waste Management
14. Basic Course in Biomedical Research
15. Transfusion Medicine

3. TEACHING LEARNING METHODS

1. Collection of specimens
2. Sampling of specimens
3. Instrumentation
4. Discussion during routine activities such as during signing out of cases
5. Presentation and work-up of cases including the identification of special stains and ancillary procedures needed
6. Clinico-pathological conferences
7. Intradepartmental and interdepartmental conferences related to case discussions

8. Conferences, Seminars, Continuing Medical Education (CME) Programme
9. Journal Club

10. Research Presentation and review of research work
11. Guest and in-house lectures
12. Participation in workshops, conferences, and presentation of papers etc.
13. Laboratory work
14. Use and maintenance of equipment
15. Maintenance of records
16. Teaching undergraduates and paramedical staff

4. INTERDISCIPLINARY TRAINING

1. Weekly Clinico-pathological conferences in the department
2. Intradepartmental and interdepartmental conferences related to case discussions
3. Conferences, Seminars, Continuing Medical Education (CME) Programme

5. ASSESSMENT METHODS

1. Internal Assessment is done everyday in routine reporting to assess the training and to identify the weakness as well as the strength of the candidate. Thus appropriate corrective methods can be adopted at the right time
2. Formal formative assessment is recorded at the end of every posting (lab leaving test) and weekly tests covering all the topics already covered in PG teaching schedule on every morning of the entire week
3. Research work is assessed or reviewed every six months. The protocol and the final results are presented to the entire department.
4. Final (Summative) Assessment is held at the end of three years of the training programmes as 4 days theory papers and two days devoted to practicals, OSCE/OSPE and viv-voce
5. There are two Internals and two Externals.
6. The thesis/dissertation are evaluated by at least two external examiners well versed in the topic studies. It is therefore recommended that thesis/dissertation be submitted for evaluation six months prior to the theory and practical examinations. The results of the evaluation are made available prior to the practical examinations.

