

(125-MED-23-03) MD - PATHOLOGY

Significance of Program:

This helps post graduate students so that they may become pathologists of high standard who are to help the suffering patients through their precise diagnostic skills. They will also be trained to become good researchers & teachers and serve the community

Career Options:

One can also open a highly specialized lab like immunology, or oncology which is going to be in high demand in future due to the rise in cancer. Get associated in a medical college as faculty. One can also do a fellowship/ DM in oncopathology, cytology, molecular genetics

Program Objectives:

- Understand and explain about the factors in causation of disease.
- Understand processes involved in the gross and microscopic changes of organs and tissues and explain these changes.
- Understand and explain the basis of evolution of clinical signs and symptoms.
- Should be able to perform procedures designated for laboratory detection of diseases.
- Should be able to process and accurately interpret the representative materials obtained from the patients in order to arrive at a correct diagnosis.
- Should be able to recognize and report morphological changes in cells, tissues and organs.
- Should be able to plan, perform and report specific research projects.
- Should be able to perform clinical autopsy and present CPC (Clinic pathological Correlation)

Outcomes of the Program:

- Recognize the health needs of the community and carry out professional obligation.
- Ethically and in keeping with the objectives of the national health policy.
- Master most of the competencies, retaining to the specialty, that are required to be practiced at the secondary and tertiary level of health care delivery system.
- Be aware of contemporary advances and developments in the discipline concerned.

- Acquire a spirit of scientific inquiry and oriented to the principles of research methodology epidemiology.
- Acquire the basic skills in teaching of the medical and paramedical professionals.

Major Course Outlines

Histopathology including techniques and reporting –Cytology including FNAC, fluid cytology, exfoliative cytology-techniques and Reporting-Hematology including blood banking and trans fusion medicine-techniques and Reporting-Clinical pathology-techniques and Reporting-Museum techniques-Autopsytechniquesandinterpretation-Serology-techniquesandreporting-Handlingofhazardousmaterial-Handling, maintenanceandcalibrationofinstrumentsusedinlaboratory-Undergraduateteaching

CORE	Electives	Skill Course
PATHOLOGY	Microbiology and biochemistry	<p>Ability to design and implement are search project.</p> <p>Competency to interact with/counsel patients and relatives in a proper manner</p> <p>Fostering proper work culture</p> <p>Ability work as a part of a team</p> <p>Knowledge of principles of biomedical ethics</p>