

PATHOLOGY

Pathology is part of our curriculum that includes an introductory section in the first module within Foundations I and integrated content in other courses.

Year One Term One:

Foundations of Clinical Medicine I: Introductory Module- Pathology

Overview of Pathology	Laboratory Investigations/Interpretation
Cellular Injury/Death/Adaptation	Mechanisms of Disease
Inflammation and Tissue Healing	Clinicopathologic Correlation
Hemorrhage, Thrombosis, Embolism, Infarction	

****Shadowing opportunities with clinical pathologists may be available upon request**

Years One and Two: Foundations of Clinical Medicine I-IV

Pathology related content is included in the following locations within the four linked Foundations courses:

Haematology: CBC and peripheral blood smear, anemias, hemoglobinopathies, malignant haematology (lymphoma, multiple myeloma, leukemias, myeloproliferative disorders)

Endocrine: Histology and Pathology in Endocrine disorders

Gastroenterology: Peptic ulcer disease, Esophageal disease/disorders, Hepatitis, Cirrhosis, Inflammatory bowel diseases, Other intra-abdominal diseases/disorders in adults and children.

Respiratory: lung pathology, pediatric upper airway problems (croup, tracheitis, epiglottitis), asthma, bronchiectasis/cystic fibrosis, COPD, pleural disease, interstitial lung disease, pulmonary hypertension, mediastinal masses/lung cancer.

Cardiovascular: Pathology of ischemia, Pathology of heart failure, other cardiac disease

Dermatology: Pathology: Skin Basics; Dermatopathology of various skin disorders and pre-malignant/malignant lesions are included within disorder specific lectures.

Musculoskeletal: crystalline arthritis (monoarthritis), polyarthritis (inflammatory arthropathies, osteoarthritis), connective tissue disorders, vasculitis, approach to bone lesions/MSK masses, osteoporosis.

Neurosciences: Neuroinfections, dementia, movement disorders, stroke, multiple sclerosis, neuro-oncology, ophthalmologic disorders.

Kidney & Urinary Tract: Acute kidney injury pathology, chronic kidney disease, prostate disease, GU pathology-renal masses and bladder cancer

Reproductive Medicine: Histology of the Female Reproductive Tract, Diseases of the cervix, Gynecological malignancies, Gestational trophoblastic disease, Breast disease

Year Three and Four:

Selected Topics in Medicine: Pathology content is integrated into disorder/presentation specific sessions

Clinical Rotations I & II: Opportunities for clinic-pathologic correlation are frequent within clinical practice during rotations. An elective in Pathology is an option for students in Year Four.