

PATHOLOGY

Pathology is part of our curriculum that includes a module within the Principles of Biomedical Sciences course and integrated content in other courses over the program

Year One Term One:

Principles of Biomedical Sciences: Pathology

Introduction to Pathology	Oncology: Neoplasms
Cellular Injury/Death/Adaptation	Atherosclerosis and Amyloidosis
Laboratory Investigations/Interpretation	Neoplasia I-III & Introduction to Oncology
Inflammation I & II (Tissue Repair)	Cancer Epidemiology & Applied Pathology Clinical Cases
Integrative Medicine Oxidative Stress	Integrative Medicine 1 & 2 Cancer Risk Reduction Intervention
Hemorrhage, Thrombosis, Embolism, Infarction	Applied Pathology: Contribution of Pathology and Imaging to the Diagnostic Process

**Shadowing opportunities with clinical pathologists, laboratory medicine specialists, and/or autopsy shadowing may be available upon request

Year One Term Two -Year Two: Foundations of Clinical Medicine I-III

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

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

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, Valvular Heart Disease and Endocarditis

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

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

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.

Endocrine: Histology and Pathology in Endocrine disorders

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

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

Year Three and Four:

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

Core Rotations in Medicine: Opportunities for clinic-pathologic correlation are frequent within clinical practice during rotations.

Clinical Electives Course: An elective in Pathology is an option for students in Year Four