

GENETICS

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

YEAR ONE TERM ONE

Principles of Biomedical Sciences:

Introduction/Family History & Pedigree	Fetal alcohol spectrum disorder
Traditional patterns of inheritance	Cancer genetics
Non-traditional patterns of inheritance	Genetics Case Presentations
Genetics Testing I & II	Patient Interview
Metabolic diseases	Approach to the dysmorphic patient
Teratology	Screening and prenatal testing

Shadowing opportunities with a medical geneticist may be available upon request

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

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

Haematology: hemoglobinopathies, malignant hematology, hereditary bleeding and thrombotic disorders

Respiratory: cystic fibrosis, alpha-1 antitrypsin deficiency (COPD)

Cardiovascular: genetics/epigenetics of CV disease

Gastrointestinal: hereditary liver disease, congenital GI disorders

Kidney and Urinary Tract: pediatric nephrology/urology

Musculoskeletal: congenital hip dislocation, autoimmune rheumatic disorders

Neurosciences: movement disorders, congenital disorders, neurocutaneous disorders, others

Endocrine: hereditary aspects of various endocrinologic disorders

Reproductive Health: Genetics, Teratology, prenatal diagnosis, breast/gynecologic malignancies.

Mental Health: schizophrenia

Dermatology: hereditary aspects of various dermatologic disorders

Year Three/Four: Clerkship

Core Rotations: Genetic disorders may be encountered on any clinical rotation. This may occur more frequently on the Pediatrics, OB/GYN, or Internal Medicine rotations.

Selected Topics in Clerkship: Sessions with genetics related content will be included within this course.

Clinical Electives Course (Year 4): An elective in Medical Genetics may be an option for students to pursue.