

GENETICS

Genetics is part of our curriculum that includes a section within the Foundations of Clinical Medicine I course and integrated content in other courses over the program.

YEAR ONE TERM ONE

Introductory Module- Genetics:

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

Shadowing opportunities with a medical geneticist may be available upon request

Foundations of Clinical Medicine I-IV

Genetics related content is found within the four linked Foundations courses and within this curriculum includes the following:

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

Endocrine: hereditary aspects of various endocrinologic disorders

Gastrointestinal: hereditary liver disease, congenital GI disorders

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

Cardiovascular: genetics/epigenetics of CV disease

Dermatology: hereditary aspects of various dermatologic disorders

Musculoskeletal: congenital hip dislocation, autoimmune rheumatic disorders

Mental Health: schizophrenia

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

Kidney and Urinary Tract: pediatric nephrology/urology

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

Multisystem/Complex Care: genetic contributions

Year Three/Four: Clerkship

Clinical 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.