

# 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:

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

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**

**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.