

ELECTIVE NAME:

Pediatric Genetics

COURSE NO:

PHD 609

PREREQUISITE:

Required Pediatric Clerkship

INSTITUTION:

Helen DeVos Children's Hospital

Genetics Offices/Clinic – 25 Michigan St., Suite 2000

Perinatal clinic – 221 Michigan St. (NOB), suite 200

NF clinic – 1st floor, musculoskeletal building

Craniofacial clinic – 2nd floor, Women's and Children's bldg.

CF follow up – 2nd floor, Women's and Children's bldg.

Cancer clinic – Lemmen-Holton Cancer Pavilion

Cardiology clinic

DESCRIPTION & OBJECTIVES:

New course to familiarize fourth year medical students with the evaluation process that occurs in children and adults with conditions or risks that are potentially genetically determined.

GOALS: The primary goal of this rotation is to familiarize the medical student with the genetic evaluation process. This process includes:

1. Obtaining relevant medical history, including prenatal and developmental history
2. Obtaining a three-generation family history
3. Performing a physical evaluation for both major and minor anomalies
4. Creating a list of differential diagnoses – this need not occur at the clinic visit, but could be done following a database and literature search
5. Formulating a specific genetic counseling plan for the family
6. Determining appropriate tests, if any, to either determine the diagnosis or verify the clinical impression.
7. Being able to interpret laboratory test results.

SCHEDULE: The pediatric clinic meets Monday, Tuesday, and Thursday mornings at 25 Michigan St., Suite 2000. Additional opportunities for participation in clinics with a genetic presence include cystic fibrosis newborn screening follow up (M,W,F afternoons, as needed) craniofacial clinic (third Wednesday of the month), neurofibromatosis clinic (2nd and 4th Friday morning), cancer counseling clinic (especially for Medicine/Pediatrics residents), hereditary cardiovascular clinic (variable schedule, also for Medicine/Pediatrics residents), and prenatal clinic (M, T, Th, and F).

OTHER EXPECTATIONS: In addition, the student is expected to participate in inpatient consultations, attend Fetal Boards (first Friday of the month), and review charts of patients that will be seen in clinic during his/her rotation. The student will also be asked to prepare a 250 word article for the genetics department newsletter, the "XX files".

OTHER RESOURCES: The student will have available to them the genetics library, Dysmorphology Database, and other resources to assist them in preparation for clinic.

EVALUATION:

Written evaluation form will be completed by the preceptors at the end of the rotation. Ongoing feedback will be provided during the rotation. Evaluation will be based upon clinical performance, attendance and participation in all Pediatric Genetics clinical inpatient and outpatient activities, and development of a 250-word article for the genetics department newsletter.