

MS 3's: Requires Course Director's approval on Course Preference form

Requires add/drop code

Faculty In Charge Of Course:	Hope Northrup, M.D.
Participating Faculty:	Drs. Hecht, Gambello, Northrup; Marianna Horz, MS and Barbara Dominguez, BSN <i>Hope.Northrup@uth.tmc.edu</i>
Location:	Memorial Hermann Hospital, LBJ Hospital, and Shriners Hospital
Offered:	Each period
Max. # Students/Period:	1

Course Objective

Material Covered:

Diagnosis and management of genetic diseases, malformation syndromes, and metabolic diseases; prenatal diagnosis of genetic disease; genetic counseling; application of molecular genetics to clinical medicine; and cytogenetics.

Skills Acquired:

Diagnostic approach to patients with genetic and related syndromes; ability to take complete family history; familiarity with literature and computer data bases used in diagnosis of malformation syndromes; and familiarity with cytogenetic methods.

Activities Of Elective

Number Of New Patients/Student/Week: 5 – 10

Responsibilities Of Student For Assigned Patients:

Does history/physical:	Yes (<i>depends on patients</i>)
Who critiques:	Attending
Follows patients, with appropriate notes as needed:	Yes (<i>depends on patients</i>)
Who supervises:	Attending
Does student see ambulatory patients:	Yes
Performs or observes procedures:	Yes (<i>skin biopsy, phlebotomy</i>)

Scheduled Duties of Student:

Frequency of rounds on patients:	Daily as necessary
Presents patients to preceptor or attending physician:	Yes
Weekly schedule of required teaching sessions:	
<i>Monday:</i>	Shrine Genetics Clinic, 4-5 hours (1-2 clinics/month) LBJ Genetics Clinic 4-5 hours (1 clinic/month)
<i>Tuesday:</i>	UTPB Genetics Clinic (3-4 hours); Pediatric Grand Rounds
<i>Wednesday:</i>	Journal Club
<i>Thursday:</i>	UTPB Genetics Clinic (3-4 hrs.); Clinical Sign-out Conference (1 hr)
<i>Friday:</i>	Clinical genetics conference (2/mth)
<i>Other:</i>	Optional clinics (Shrine, CLP, Hemophilia) -- these are on various days

Other Required Activities:

Reading/review of current literature:	Yes, given a list of salient references and articles
Writing or Presenting a paper:	Yes, make a verbal presentation of 25-30" at the end of rotation during conference

How Is Student Evaluated:

Based on overall performance reviewed by faculty

Who Evaluates Students:

Faculty directly involved with student

Unique Features Of This Elective:

Opportunity to participate in diagnosis and management of genetic and malformation syndromes (an activity which is primarily an outpatient one); to learn how to examine a child for minor malformations; to learn about diagnosis and management of metabolic disease; and to observe how genetic counseling works.