

MS3's: Requires course director's signature on course preference form. Requires Allscripts access

Faculty In Charge Of Course:	Hope Northrup, M.D.
Participating Faculty:	Drs. Northrup, Rodriguez-Buritica, Farach and Hillman; Myla Ashfaq, MS, CGC, Leslie Dunnington, MS, CGC, Katie Gunther, MS, CGC, Kate Mowrey, MS., CGC, Kathleen Shields, MS, CGC, Linda Liu, MS, CGC, and Emma Li, MS.
Location:	Memorial Hermann Hospital, LBJ Hospital, Shriners Hospital for Children, CEO Clinic and UTPB
Offered:	Blocks 1-11, & 13
Max. # Students/Period:	1

Course Objective

Material Covered:

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

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 genetic testing.

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>	Shriners Genetics Clinic, 8 hours (1 clinic/month); CEO Genetics Clinic, 4-5 hours (1 clinic/month); LSD/GSD/Endo Mito Clinic, 4-5 hours (1-2 clinic/month); TSC Clinic, 4-5 hours (2 clinics /month)
<i>Tuesday:</i>	Pediatric Grand Rounds 8-9 AM weekly; UTPB Genetics Clinic, 3-4 hours (1 clinic per week); TSC Clinic 4-5 hours (1 clinic/month)
<i>Wednesday:</i>	UTPB Genetics Clinic, 3-4 hours (1 clinic/week)
<i>Thursday:</i>	Medical Genetics Grand Rounds 8-9 AM weekly; UTPB Genetics Clinic, 3-4 hours (1 clinic/week)
<i>Friday:</i>	Clinical Sign-Out Conference (8-9am); Pre-clinic Conference (9-10am)
<i>Other:</i>	Optional specialty clinics (Huntington's disease) –Wednesdays

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 Medical Genetics Grand Rounds conference

How Is Student Evaluated:

Based on overall performance reviewed by faculty

Who Evaluates Students:

360 degree evaluations are provided by MD attending's and genetic counselors who interact 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.