

2014 Exploration of Pediatric Genetics/Metabolism

Course: Exploration of Pediatric Genetics/Metabolism Course Number PED 2014

Department: Pediatrics

Faculty Coordinator: Mary Carlin, MD

UTSW Education Coordinator Contact: Anthony Lee (Anthony.Lee@UTSouthwestern.edu)

Hospital: (Location of rotation) Children's Medical Center-Dallas
 Bldg NB, 10th floor, Room 1022
 Texas Scottish Rite Hospital
 G6200 – UT Medical School, G Bldg – 6th floor
 AC – Aston Center- 8th floor
 MCD – McDermott Center, North Campus

Periods Offered: 1-24

Length: 2 weeks

Max # of Students per 2week period: 1 (Pre Clerkship Student)

First Day Contact: Mary Carlin, MD

First Contact Time: 7:30am

First Day Location: Children's Medical Center – Pavilion 6th Floor Genetics Clinic - Physician's Touchdown F6-279

I. Course Description

This is a 2 week introductory course enabling the student to explore the medical specialty/discipline. The student will learn about the scope of practice, frequently encountered pathology/diagnoses, and specialty specific diagnostic procedures. The purpose of the course is to allow the student the opportunity to explore a career in the specialty, and/or to acquire knowledge in the specialty regarding appropriate referrals, consults, etc. relevant to future career plans.

| Goals | Objectives | Assessment Methods |
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| Patient Care: Students will learn the specialty focused history, physical | <ul style="list-style-type: none"> The student will be able to list appropriate indications to consult the specialty and will be able to develop a well-constructed consult to this service. The student will be able to perform the appropriate evaluation of a patient prior to referral to this specialty. The student will be able to take a specialty specific medical history, perform a physical exam and be aware of the approach to the patient in this specialty. | <ul style="list-style-type: none"> The student will be evaluated based on oral presentation on rounds and chart documentation for one assigned patient daily. Skills evaluation from direct observation. |

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| <p>Medical knowledge: Students will learn the pathophysiology and management of the most common diagnoses encountered.</p> | <ul style="list-style-type: none"> • The student will be able to discuss the pathology/presentation/evaluation and management of assigned number of common diagnoses • The student will learn the indications and complications for assigned procedures performed on this service. | <ul style="list-style-type: none"> • The student will complete a brief quiz at the end of the rotation • At the end of the rotation the student will list in writing the 3 most common reasons for referral to the service, and the criteria for a well- constructed referral. |
| <p>Interpersonal and Communication skills: The student will effectively communicate with colleagues and patients.</p> | <ul style="list-style-type: none"> • The student will take the medical history of assigned patients and be able to effectively present to the faculty/team. • The student will document a write up... | <ul style="list-style-type: none"> • The student will be evaluated based on oral presentation on rounds and chart documentation for one assigned patient daily. • Observations of faculty and staff. |
| <p>Professionalism: The student will demonstrate respect for patients and colleagues.</p> | <ul style="list-style-type: none"> • The student will be punctual and complete all required work. • The student will demonstrate respect and compassion for others. • The student will demonstrate respect for patient privacy and autonomy. | <ul style="list-style-type: none"> • Based on observation of attendance at and participation in rounds. • Observations of faculty and staff. |
| <p>Practice Based Learning and Improvement: Students must be able to assimilate scientific evidence and improve their patient care practices.</p> | <ul style="list-style-type: none"> • Locate and assimilate evidence from scientific studies related to their patients' health problems, including literature searches. • Use information technology to manage information, access on-line medical information; and support one's education. | <ul style="list-style-type: none"> • Each student is required to create a case presentation and to present it to the faculty and fellows during the rotation. It is recommended that students present an interesting case they encountered during their rotation. However, they are also permitted to present on a topic of interest that relates to pediatric course topic. • Critical review of a relevant article. |
| <p>System based practice: Students must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.</p> | <ul style="list-style-type: none"> • Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and their families; accountability to patients and their families and the profession; and a commitment to excellence and on-going professional development. • Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, and confidentiality of patient information. • Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities. | <ul style="list-style-type: none"> • Observations of faculty and staff. |

II. Methods of Instruction

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Didactic: (Schedule, Topic and Faculty)

| Day | Time | Conference | Venue |
|------------|--|--|--|
| Mondays | 8:00am – 9:00am | Cancer Conference (Optional) | North Campus |
| | 12:00pm – 1:00pm | Resident's Noon Conference | Doctor's Dining Room (CMC Lobby Level) |
| Tuesdays | 12:00pm – 1:00pm | Multidisciplinary Conference – Pediatrics | Moore Auditorium (CMC) |
| Wednesdays | 8:00am – 9:00am | Pediatric Grand Rounds | Moore Auditorium (CMC) |
| | 12:00pm -1:00pm | Resident's Noon Conference | Doctor's Dining Room (CMC Lobby Level) |
| Thursdays | 12:00pm – 1:00pm | Resident's Noon Conference | Doctor's Dining Room (CMC Lobby Level) |
| Fridays | 8:30am – 9:30am | Friday Morning Report | Moore Auditorium (CMC) |
| | 9:30am – 10:30am | Genetics Conference | North Campus – McDermont Center |
| | 12:00pm – 1:00pm | Resident's Noon Conference | Doctor's Dining Room (CMC Lobby Level) |
| | | Perinatal Case Conference (2 nd & 4 th) | South Campus UTSW – G6200 |
| | 3:00pm – 4:00pm (2 nd Fridays only) | Journal Club | TBD |

Clinical: (Schedule, Faculty Teaching and House-Staff Teaching)

| Day | Time | Clinic | Location |
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| Mondays | 8:30am – 12:00pm | Genetics/Dysmorphology Clinic | 6 th Floor Pavilion CMC |
| | 1:30pm – 4:00pm | Genetics/Dysmorphology Clinic | 6 th Floor Pavilion CMC |
| | 4:00pm | Hospital Consultations (Check w/ Fellows and Attending) | 6 th Floor Pavilion CMC |
| | Optional Clinic(s) | | |
| | 12:30pm – 4:00pm | Holoprosencephaly Clinic (Optional Clinic) | Texas Scottish Rite Hospital |
| Tuesdays | 8:30am – 12:00pm | Metabolic Clinic | 6 th Floor Pavilion CMC |
| | 1:30pm – 4:00pm | Metabolic Clinic | 6 th Floor Pavilion CMC |
| | 4:00pm - | Hospital Consultations (Check w/ Fellows and Attending) | 6 th Floor Pavilion CMC |
| | Optional Clinic(s) | | |
| | 12:30pm – 4:00pm | Tuberous Sclerosis Clinic (1 st , 3 rd , 5 th Tuesdays only) (Optional clinic) | Texas Scottish Rite Hospital |
| | 1:30pm – 4:00pm | Adult Genetics Clinic (Optional Clinic) | Aston Center 8 th Floor |
| Wednesdays | 9:00am – 12:00pm | Genetics Clinic | 6 th Floor Pavilion CMC |
| | 1:00pm – 3:00pm | Metabolic Case Conference | TBD – Check with Attending |
| | Optional Clinic(s) | | |
| | 9:00am – 12:00pm | Rainbow Developmental Clinic (Optional Clinic) | 6 th Floor Pavilion CMC |
| | 1:00pm – 3:00pm | Spina Bifida Clinic | Texas Scottish Rite Hospital |

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| | 12:30pm – 4:00pm | Neurofibromatosis Clinic (weekly) | Bldg NB, 10th floor, Room 1022 |
| Thursdays | 8:30am – 12:00pm | Down Syndrome Clinic & Newborn Screening Follow up (every other week) | 6th Floor Pavilion CMC |
| | 1:00pm – 4:00pm | Genetics/Dysmorphology Clinic | 6th Floor Pavilion CMC |
| | 4:00pm - | Hospital Consultations (Check w/ Fellows and Attending) | 6th Floor Pavilion CMC |
| | 1:00pm – 4:00pm | Molecular Genetics (One Thursday during rotation) | McDermott Center, North Campus |
| Fridays | 8:30am – 12:00pm | Down Syndrome Clinic | 6th Floor Pavilion CMC |
| | 2:00pm - | Hospital Consultations (Check w/ Fellows and Attending) | 6th Floor Pavilion CMC |
| Saturdays | 9:00am or 9:30am | Metabolic Patient Rounds | Main CMC Hospital (Check with Fellows and Attending) |

III. Overview of Student Responsibilities

- Evaluate new inpatients, present to attending and follow until discharge.
- In clinics, see new patients and present patient information to attending.

IV. Method of Evaluation of Students and Requirements

Pass-fail grades; there are no examinations. Evaluations of the student by the faculty will be based on achievement of the stated objectives of the course. This will be assessed by the student's preparation, fund of knowledge, participation in clinic, and participation in didactic sessions.