

Student needs to see director on receiving schedule.

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|-------------------------------------|---|
| <b>Faculty In Charge Of Course:</b> | Dr. Omotola Hope  |
| <b>Participating Faculty:</b>       | Dr. Stephen Thompson, Dr. Melissa Thomas, Dr. Shaila Gowda, Dr. Samden Lhatoo |
| <b>Location:</b>                    | UTPB, MHH   |
| <b>Offered:</b>                     | Blocks 1-11, and 13   |
| <b>Max. # Students/Period:</b>      | 1   |

**Course Objective**

The students will be involved in direct patient care within an ambulatory neurology setting. The students will be invited to attend our neurology conferences including the residents didactic lecture series, our weekly adult grand rounds presentation as well as pediatric grand rounds. In addition, the patients will receive informal didactics while working with the attendings in the clinic and at bedside.

Performance Goals and/or Objectives

- 1.) To be able to perform a competent neurological examination
- 2.) To be able to interpret and recognize common neurological signs
- 3.) To be able to evaluate and treat patients with common neurological disorders.

To be familiar with the utilization, advantages, and limitation of common neurological investigative methods.

- 1) History and physical Examination
  - a. Required Skill/Task
    - i. Comprehensive history
    - ii. Complete physical examination
    - iii. Complete neurological examination
    - iv. Mini-mental state examination (MMSE)
- 2) Procedures
  - a. Universal precautions
  - b. EEG
  - c. WADA and stimulation mapping

Material covered: Diagnosis of epilepsy, the role of imaging and EEG, basics of anticonvulsant medication, treatment of status, workup of epilepsy surgery.

**Material Covered:** Diagnosis of epilepsy, the role of imaging and EEG, basics of anticonvulsant medication, treatment of status, workup of epilepsy surgery.

**Skills Acquired:** Differential diagnosis of epilepsy, the neurological history and exam in epilepsy, familiarity with AEDs, appreciation of the role of surgery and assessment of hemispheric cortical function with Wada and stimulation mapping.

**Activities Of Elective**

**Number Of New Patients/Student/Week:** 1-2

**Responsibilities Of Student For Assigned Patients:** Does history and physical, critiqued by EMU attending, follows patient, sees ambulatory patients (clinic attending), observes all inpatient procedures.

|   |  |
|---|--|
| Does history/physical:                              |  |
| Who critiques:                                      |  |
| Follows patients, with appropriate notes as needed: |  |
| Who supervises:                                     |  |
| Does student see ambulatory patients:               |  |

| Procedures | Observe | Perform |
|------------|---------|---------|
|            |         |         |
|            |         |         |
|            |         |         |

**Scheduled Duties of Student:**

Daily rounds, weekly case presentation at surgery conference.  
Fellow lectures (1/week), informal bedside/clinic teaching.

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|  | Frequency of rounds on patients                       |  |
|  | Presents patients to preceptor or attending physician |  |
|  | Weekly schedule of required teaching sessions         |  |

#### Describe Optional Rounds And Activities, If Any:

#### Other Required Activities:

Case presentation at weekly conference with review of literature on pertinent topic.

|  |                                      |  |
|--|--------------------------------------|--|
|  | Reading/review of current literature |  |
|  | Writing or presenting a paper        |  |

#### How Is Student Evaluated:

Ongoing, plus a case presentation.

#### Who Evaluates Students:

EMU attending with whom the student worked.

#### Unique Features Of This Elective:

Early exposure to a specialized branch of neurology in a busy tertiary center.