

Students must see elective director immediately after receiving computer-generated schedule and at least 30 days prior to beginning of elective.  
 Sign-up Codes: None

|                                     |   |
|-------------------------------------|---|
| <b>Faculty In Charge Of Course:</b> | Dr. Ernesto Infante and Dr. Ray Martin  |
| <b>Participating Faculty:</b>       | Dr. Mya Schiess, Dr. Parveen Athar, Dr. Gage Van Horn, Dr. Erin Furr Stimming, Dr. James Grotta, Dr. Nicole Gonzales, Dr. Staley Brod, Dr. Bill Lindsey, Dr. James Ferrendelli, Dr. Flavia Nelson, and Dr. Jerry Wolinsky |
| <b>Location:</b>                    | Professional Building – Neurology Clinic Ste. 1014 and LBJ General Neurology clinic   |
| <b>Offered:</b>                     | July through May  |
| <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 students will receive informal didactics while working with the attendings in the clinic.

**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.
- 4.) 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. Lumbar puncture (observed or preformed)

**Material Covered:** A multitude of general neurology topics including: headaches (migraines, tension, cluster, paroxysmal hemicrania), neuromuscular diseases (myasthenia gravis, myopathies, neuropathies, motor neuron disease, Guillan Bare syndrome, etc.), seizure disorders, movement disorders (Parkinson’s disease, Huntington’s disease, spasticity, dystonia, etc.), dementia (Alzheimer’s disease, frontotemporal dementia, Lewy body dementia, multi-infarct dementia, etc.), syncope, and spinal stenosis to name a few.

**Skills Acquired:** The student should master the following: a thorough and focused neurologic exam and history, a broad differential diagnosis for the neurological cases encountered, and a familiarity with the medications prescribed.

**Skills Acquired:** see Performance Goals and/or Objectives

**Activities Of Elective**

- The elective involves significant teaching by faculty.
- At least five (5) hours per week are aimed at the MS IV level.
- The students are evaluated based on the demonstration of their accomplishment of the objectives.

**Number Of New Patients/Student/Week:** 6-10

**Responsibilities Of Student For Assigned Patients:** The student should present the neurological history and physical exam findings succinctly to the attending physician. The student should select 1-2 interesting patients/diagnoses per week and give a short oral presentation on the topic to the faculty involved in the clinic.

|   |   |
|---|---|
| Does history/physical:                              | Yes   |
| Who critiques:                                      | The attending physician with whom the student is working. |
| Follows patients, with appropriate notes as needed: | Yes,  |
| Who supervises:                                     | Same as above.  |
| Does student see ambulatory patients:               | Yes   |

|                            | Observe | Perform |
|----------------------------|---------|---------|
| EMG/NCS                    |         | X       |
| Neurological exam          | X       | X       |
| Lumbar puncture            | X       | X       |
| Botulinum toxin injections | X       | X       |

**Scheduled Duties of Student:**

|   |  |
|---|--|
| Frequency of rounds on patients                       | ?  |
| Presents patients to preceptor or attending physician | Yes  |
| Weekly schedule of required teaching sessions         | Daily resident lectures, daily informal "bedside" teaching, weekly grand rounds, formal didactics. |

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

**Other Required Activities:**

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

**How Is Student Evaluated:**

- Students are observed closely enough by faculty to evaluate their performance meaningfully.
- Mid-rotation feedback is encouraged for all students, but feedback in writing is required for any students identified as having deficiencies, as soon as the deficiency is identified.

**Who Evaluates Students:**

Student is evaluated by clinic attendings both verbally and electronically (on ONE45).

**Unique Features Of This Elective:**