Faculty Director: Ryan Kitagawa, MD
Participating Faculty: Department of Neurosurgery Faculty
Location: Memorial Hermann Hospital
Offered: Blocks 1-8, 10, 11, 13
Max. # Students/Period: 4

Course Objective

Material Covered:
The Department of Neurosurgery offers senior students the opportunity to act as interns on the Neurosurgery teaching services. Students will work one-on-one with faculty and will be exposed to the continuity of care for neurosurgical patients including seeing patients pre-op, in the operating room, post-op, and in the outpatient clinic for follow-up care. This selective provides an opportunity for students to transition from student to intern in neurosurgery and is designed to give the student a high degree of responsibility for patient care. Students will function as an intern and will be evaluated at the level of an intern.

Students will rotate through the vascular, spine, and tumor services. Specific objectives are as follows:

- Develop a thorough assessment of a patient’s problems including the development of an appropriate differential diagnosis
- Take and document appropriately focused histories on patients
- Perform relevant physical examinations
- Follow assigned patients daily including writing a daily progress note
- Coordinate patient care with physician consultant teams and hospital services
- Arrange discharge plans including providing appropriate patient education and follow-up
- Assist with the creation of discharge summaries

Students will function at the level of an acting intern on the service. Students will be responsible as the primary caregiver for their patients, discussing each of their patients with the senior resident and the attending on a daily basis during rounds.

Students are required to attend the following conferences: Neurosurgery M&M, Neurosurgery Grand Rounds, Neuro-Radiology Conference, and the Neurosurgery Curriculum Conference. Students will take call with the team.

Students will demonstrate attainment of the above objectives through attendance and participation in didactic conferences and attendance at clinical assignments and participation in clinical activities.

Activities Of Elective

Number Of New Patients/Student/Week: 4-8
Responsibilities Of Student For Assigned Patients:
- Does history/physical: Yes
- Who critiques: Attending and resident
- Follows patients, with appropriate notes as needed: Yes
- Who supervises: Attending and resident
- Does student see ambulatory patients: No

Procedures
- Assists with neurosurgery procedures in the OR: Yes
  - Observation: Yes
  - Performance: Yes (Assist)

Scheduled Duties of Student:
- Frequency of rounds on patients: Daily
- Presents patients to preceptor or attending physician: Yes
- Weekly schedule of required teaching sessions: Tuesday, 7-8 am; Wednesday, 7-8 am; Thursday, 7-9 am

Other Required Activities:
- Reading/review of current literature: Yes
- Writing or presenting a paper: No

How Is Student Evaluated:
Students will be evaluated by faculty based on their attendance and participation in didactic sessions and attendance at clinical assignments and participation in clinical activities. The students are evaluated based on the demonstration of their accomplishment of the objectives. Mid-rotation feedback in writing is required for all students.