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| Faculty In Charge Of Course: | Ryan Kitagawa, MD |
| Participating Faculty: | P. Roc Chen, MD, Nitin Tandon, MD, Arthur Day, MD, Ryan Kitagawa, MD, Karl Schmitt, MD, Albert Fenoy, MD, Dong Kim, MD, Daniel Kim, MD, Mark Dannenbaum, MD, Joseph Hsieh, MD, Jessica Stark, MD |
| Location: | Memorial Hermann Hospital - TMC |
| Offered: | Blocks 1-11, and 13 |
| Max. # Students/Period: | 4 |

Course Objective

Material Covered:

- 1) Basic neurologic exam;
- 2) Basics of operative neurosurgery;
- 3) Applied Neuroanatomy.

Skills Acquired:

Students will be assigned to one of the four neurosurgery services (Chief service, Cerebrovascular, and Pediatrics). Service assignments are rotated each week. Students will NOT be allowed to scrub on cases until they have completed a sterile technique orientation with our Neurosurgery pod nurse. In addition, one learning video on "How to Behave in the OR" is required to view prior to starting the rotation.

Activities Of Elective

Number Of New Patients/Student/Week: 4

Responsibilities Of Student For Assigned Patients:

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

| Procedures | Observe | Perform |
|---|---------|---------|
| Students observe or assist in operating room. | X | Assist |

Scheduled Duties of Student:

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|--|--|
| Frequency of rounds on patients: | Daily |
| Presents patients to preceptor or attending physician: | No |
| Weekly schedule of required teaching sessions: | 2 one-hour conferences/week, clinic 1-2 times/week |

Describe Optional Rounds And Activities, If Any:

Other Required Activities:

| | |
|---------------------------------------|---|
| Reading/review of current literature: | Students will be assigned several chapters from CNS-Essential Neurosurgery for Medical Students by Dr. Daniel Barrow and Dr. Bernard Bendok |
| Writing or Presenting a paper: | No |

Attendance is mandatory at all full departmental conferences and specialty specific conferences of the service to which the student is assigned.

How Is Student Evaluated:

- 1) Knowledge of basic neurologic exam
- 2) Attendance and interest

Who Evaluates Students:

Attendings and residents

Unique Features Of This Elective:

Students will be expected to function as integral members of their respective neurosurgical teams and function at the sub-intern level. In general, they will be expected to go to the OR and follow the post-op course of their patients. They should go to the respective clinics of their services each week. Students will have an average of four days off during this rotation and are encouraged to take overnight call (although not required). The morning after call, students are expected to return home free of clinical duties after morning check out.

The student will be expected to give a 10 minute presentation at the conclusion of the rotation.