**HUP Neurosurgery Rotation, 200 Level Students**

**Contacts:**
- Junior Resident on Call (215-588-5488)
- Chief Resident of Frazier Service
- Dr. Brem

**Schedule:**

- Monday: Inpatient rounds 5:30a (large conference room – Rhoads 2, HUP); Operating rooms, 7:00a 4th floor Founders, HUP
- Tuesday: Inpatient rounds 5:30; Outpatient Clinic with Dr. Brem, 8:30a, Neurosciences Center, PCAM 2 South. Work area #72-#75. NP: Natalie Angeloni.
- Wednesday: Inpatient rounds 5:30a; operating rooms, 7:00a, 4th floor, Founders, HUP
- Thursday: Grand Rounds (Perelman Center 8th floor) 7:00a; teaching conferences (Perelman/HUP Silverstein 3) 8:00-10:00a; operating rooms, 8:00a, 4th Floor Founders, HUP; radiology case conference (HUP Silverstein 3) 4:30p
- Friday: Surgery rotation didactics
- Sat/Sun: off

**Goals/Objectives:**

1) **Knowledge**
   
   a. Learn and perform focused neurological examinations relevant to the neurosurgical patient
   b. Develop basic skills in interpretation of common neuro-imaging modalities (CT, MRI)
   c. Learn and understand basic neuroanatomy relevant to the surgical procedures observed
   d. Understand and recognize the pathophysiology and clinical manifestations of degenerative spinal conditions (e.g. myelopathy, radiculopathy, neurogenic claudication), intracranial diseases (e.g. primary brain tumors, metastatic brain tumors, cranial nerve compression), and movement disorders (e.g. Parkinson’s disease, essential tremor, dystonia) amenable to surgical intervention

2) **Communication/Interpersonal Skills**

   a. Attend clinic – conduct focused history and physical examinations on outpatients and present to attending surgeon
   b. Inpatient wards – follow at least three operative patients throughout their hospital stay and contribute to their post-operative care.

3) **Clinical Skills**

   a. Scrub in and observe/assist in at least one case per operative day
   b. Assist the on call neurosurgery resident with new inpatient consultations
   c. Perform basic ward and operating room tasks under the direction of MD/NP (pull surgical drains, insert Foley catheters, etc.)

Prior to the rotation, please read through the “Medical Student Curriculum in Neurosurgery,” made available by the Congress of Neurological Surgeons, at:


Don’t hesitate to ask questions throughout the rotation. Any concerns or special requests can be discussed with the chief resident or Dr. Brem.