

# Neurological Surgery

NS 362.02

## General Information

**COURSE CHAIR:** Chirag Patil, MD

**STUDENT COORDINATOR'S CONTACT INFORMATION:**

[groupneuroscienceseducation@cshs.org](mailto:groupneuroscienceseducation@cshs.org)

**STUDENTS/PERIOD:** Max: four Min: one

**DURATION:** four weeks

Please visit our [VLSO](#) catalog for dates and to submit your application.

## Requirement(s)

Rotation pre-approval by our program directors.  
Prior to submitting VLSO application, send to us:

- CV
- USMLE Transcript of Scores
- Personal statement

## Description

The rotations will be split up into two services: Cobalt (Spine and Peds) and Grey (Tumors and Vascular). The student will be responsible for the care of 3-5 neurosurgical patients under direct supervision of the department housestaff and faculty. The student will attend didactic conferences and have the opportunity to present a topic of their choice to the faculty and staff. The student will scrub into the patients' surgeries when appropriate as well as attend specialty outpatient clinics.

## Course Objectives

- Acquisition of knowledge of neurosurgical diseases
- Improvement in assessment of neurosurgical diseases
- Development of judgment in selection of operative treatments
- Learn risks and complications of neurosurgical procedures
- Gain experience in pre and post-operative management of neurosurgical patients
- Preparation of short oral presentations on neurosurgical topics

## Student Experiences

**COMMON PROBLEMS/DISEASES:**

- Intracranial tumors
- Degenerative spine
- Intracranial vascular disease
- CNS trauma
- Congenital CNS malformation
- Hydrocephalus
- Trigeminal neuralgia

## Additional Information

The student will also take call with the neurosurgery resident no greater than every 4<sup>th</sup> night including weekend call.

## Neurological Surgery

### Typical Schedule

Approx. # of Patients Evaluated Each Week by Student	3
Approx. # of Patients Evaluated Each Week by Service	15
Typical Monday	5am Rounds / 7am Spine Tumor Board for residents on Cobalt/ Chief assigned cases
Typical Tuesday	5am Rounds / 6:30am Spine Didactics for residents on Cobalt/ Chief assigned cases
Typical Wednesday	5am Rounds / 7am Spine Conference for residents on Cobalt / 8am Brain Tumor Board for residents on Grey / Chief assigned cases / 12pm Neurovascular Conference for residents on Grey
Typical Thursday	5am Rounds / Chief assigned cases
Typical Friday	5am Rounds / Chief assigned cases but every 2 <sup>nd</sup> and 4 <sup>th</sup> Fridays, 7-2pm Didactic Day
On-Call Schedule	One Weekend call with on-call resident
Weekend Activities	Overnight call with on-call resident
Additional Comments/Special Requirements	N/A