

ICU, Neurology/Neurosurgery

NE 350.00

General Information

COURSE CHAIR: Maranatha Ayodele, MD

STUDENT COORDINATOR'S CONTACT INFORMATION:
groupneuroscienceseducation@cshs.org

STUDENTS/PERIOD: max two

DURATION: four weeks

This elective is offered by arrangement, please contact the Student Program Coordinator.

Requirement(s)

- Students must have completed a neurology clerkship prior to taking this course.
- Students must write a statement of interest (why interested specifically in Neurocritical Care) and submit it along with their application.

Description

The Neurocritical Care Program at Cedars-Sinai Medical center is renowned for its expertise in clinical care and clinical research of neurological and neurosurgical patients. The Neurocritical Care program is housed within a closed unit model, where the neurointensivist is responsible for full medical as well as neurological management. There is a close and collegial working relationship with the Neurosurgical team. The hospital is a Level I trauma center, as well as being one of the few nationally certified Comprehensive Stroke Centers with an active neuro-interventional program. Students will be integrated into the team and expected to be responsible for the evaluation and co-management of critically-ill patients with various forms of acute brain injury such as acute ischemic stroke, intracerebral hemorrhage, subarachnoid hemorrhage, traumatic brain injury, meningitis, and encephalitis to name a few.

PLEASE NOTE: THIS IS NOT A SURGICAL ROTATION

Course Objectives

- Recognition of acute neurologic and neurosurgical disease processes which require specialized NSICU management.
- History and physical examination of patients with acute neurologic and neurosurgical conditions.
- Incorporation of data into a cohesive written note and oral presentation of findings.
- Gain an understanding of the specialized tests that are used in the care of NSICU patients (CXR, EKG, neuroimaging, EEG, etc.)

Course Objectives (Cont.)

- Become familiar with multimodal neuromonitoring (intracranial pressure, brain tissue oxygen, transcranial doppler, etc.).
- Develop knowledge of ICU pharmacology: sedatives, neuromuscular blocking agents, antiepileptic drugs, antiarrhythmics, vasoactive agents, antihypertensives, and osmotic therapy agents.

Student Experiences

INPATIENT: 100%

CONSULTATION: 25%

PRIMARY CARE: 75%

CLOSE CONTACT WITH:

- Attending neurointensivist
- Fellow
- Resident
- RN
- NP
- Pharmacist