

Intensive Care Unit, Neurology/Neurosurgery

NE 350.00

General Information

COURSE CHAIR: Maranatha Ayodele, MD

CONTACT: groupneuroscienceseducation@cshs.org

STUDENTS / PERIOD: max 2

DURATION: 4 weeks

Requirement(s)

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

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

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

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

Course Objectives (Cont.)

5. Become familiar with multimodal neuromonitoring (intracranial pressure, brain tissue oxygen, transcranial doppler, etc.).
6. 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
- RN
- NP
- Pharmacist

Additional Information

WEEKEND ACTIVITIES: Two weekend dates