

Pediatric Neurology Sub-Internship

PE 350.99

General Information

COURSE CHAIR: Michelle Allen-Sharpley, MD, PhD

STUDENT COORDINATOR: Calvin Lee

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STUDENTS / PERIOD: max 1

DURATION: 3 weeks

Electives at Cedars-Sinai start in June. Please visit our [VSLO](#) catalog for dates and to submit your application.

Description

1. The student will rotate through General Pediatric Neurology, Pediatric Epilepsy, and Pediatric Neuromuscular clinics at least one day each per week. The student will learn about neurodevelopmental and neurologic disorders including neurodivergence, headaches and migraines, tic disorders, seizure disorders and epilepsy, hydrocephalus, cerebral stroke/hemorrhage, hypoxic-ischemic encephalopathy, cerebral palsy, spinal cord and peripheral nervous system disorders.
2. The student will become familiar with typical neurodevelopment of infancy and childhood, and how to administer an age-appropriate neurologic and neuromuscular exam in pediatric patients.
3. The student will become familiar with the appropriate neurologic workup indicated for various presentations of neurologic concern or deficit, including the utility of and indications for various lab testing and specific neurodiagnostic studies such as neuroimaging, CSF studies, and/or electrodiagnostic testing (EEG, EMG, NCS).
4. The student will attend inpatient rounds with the Pediatric Neurology consult service, and will be expected to assist the inpatient team with pre-rounding, obtaining HPI and neurologic exams on new consult requests, and coordination of care with multidisciplinary inpatient teams.
5. There will time for attending relevant conferences, including weekly epilepsy conference and neuroradiology conference. There will time for self-study of materials relevant to the patient pathology seen at the clinics and in the inpatient setting. There will be a requirement at the end of the rotation on a Friday to take a multiple-choice test based on the learning that would have happened during the rotation.

Course Objectives

1. Learn typical developmental milestones of childhood.
2. Become competent at performing the neurologic examination of pediatric patients of different ages, and its importance in localizing their symptoms.
3. Learn the differential for neurologic disease, including systemic/potentially reversible and genetic etiologies.
4. Learn and distinguish between common tests for neurologic assessment and when they are indicated in a workup. Common tests include neuroimaging, EEG, EMG, NCS.
5. Learn how structural lesions of the central and peripheral nervous system impact the neurologic exam and development.
6. Learn common causes of epilepsy and the difference between childhood epilepsies.
7. Learn of and understand the importance of genetic testing in the differential of neurologic and neuromuscular diseases.
8. Learn common treatments for neurologic disorders such as seizures/epilepsy, spasticity, neuropsychiatric disorders, headaches/migraines, and neuromuscular disorders.

Student Experiences

COMMON PROBLEMS/DISEASES

- Seizures and epilepsy
- Headaches/migraines
- Neonatal hypoxic-ischemic encephalopathy and sequelae
- Intracranial lesions such as stroke, hemorrhage, and/or hydrocephalus
- Cerebral Palsy
- Functional neurologic disorders
- Neurodivergence (autism, ADHD)
- Developmental delay (motor, language, social domains)

INPATIENT: 20%

OUTPATIENT: 50%

CONSULTATION: 10%

PRIMARY CARE: 0%

Typical Schedule

Approx. # of Patients Evaluated/Week by Student	15
Approx. # of Patients Eval./Each Week by Service	30
Typical Monday	AM consult/rounds, 12:15 – 1:15 pm Pediatric Noon Conference PM General Neurology Clinic
Typical Tuesday	AM consult/rounds PM Headache/Tic Clinic
Typical Wednesday	AM consult/rounds 12:15 – 1:15 pm Pediatric Noon Conference PM Epilepsy Clinic
Typical Thursday	AM consult/rounds PM Neuromuscular Clinic
Typical Friday	AM consult/rounds, 12:15 – 1:15 pm Pediatric Noon Conference PM EMG/NCS or reading time
On-Call Schedule	N/A
Weekend Activities	TBD, maximum 1 day of consult/rounds
Additional Comments/Special Requirements	