

CHILD NEUROLOGY

Department of Pediatrics

SCOPE OF PRACTICE

PGY-3 – PGY-5 / PGY-6

The goal of the child neurology residency training program at the Medical University of South Carolina is to prepare the physician for the independent practice of clinical pediatric neurology. This is accomplished through supervised inpatient and outpatient clinical experiences accompanied by a didactic program in basic and clinical neuroscience. Supervised clinical experiences are organized to allow progressive responsibility for patient management as residents develop increasing clinical competence. Faculty members assess the residents' progress to ensure that they have developed the requisite skills for advancing to the next level of training.

PGY-3

Twelve months of the PGY-3 year are spent in Adult Neurology at Medical University Hospital. During the PGY-3 year, the resident should gain significant clinical and academic skills in practicing neurology and obtain a solid understanding of the neurologic examination, anatomical neurology, and the inpatient and outpatient management of common adult neurologic conditions. The resident will also begin taking the AAN RITE in-service examination during the PGY-3 year.

The child neurology resident's schedule will include six months of rotations on the Inpatient Adult Neurology service, three months of rotations in the Adult Neurology Outpatient clinics, and three months of Elective rotations in adult neurology clinical experiences. Elective rotations include Neuroradiology, Neurophysiology, and Subspecialty clinics to include behavior, MS/Headache (neuro-ophthalmology), movement disorders, neuromuscular, epilepsy, or neurological oncology.

- Complete a history and physical on each patient admitted as assigned by the senior resident or attending
- Establish diagnosis and treatment plans for assigned patients under the supervision of the senior resident and attending physician
- Participate in daily ward rounds
- Perform lumbar punctures as necessary on assigned patients under the supervision of the senior resident
- Provide on-call coverage for all adult and pediatric neurology inpatients as scheduled
- Perform other duties as specifically directed by the attending physician

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PGY- 4

The PGY-4 year emphasizes clinical training in Pediatric Neurology. Four (4 week) blocks are spent on the Inpatient Pediatric Neurology service, performing consultations and caring for patients in the emergency room and throughout Children’s Hospital. Another four (4 week) blocks are spent in the Pediatric Neurology outpatient clinics with each of the attending pediatric neurologists. The outpatient rotations include experience in general Pediatric Neurology clinics, as well as subspecialty clinics for children with epilepsy, headache, movement disorders, neuromuscular disease, brachial plexus injuries, brain tumors, spasticity, and autism. Residents also gain experience with a number of outpatient procedures, including performing intrathecal baclofen trials, refilling and programming baclofen pumps, administering botulinum toxin, and programming vagal nerve stimulators. The remainder of the year is spent on the Pediatric Epilepsy service (one 4 week block); Neurophysiology (two 4 week blocks); Neuroradiology (one 4 week block), and one 4 week block of vacation. On the Pediatric Epilepsy service, the resident participates in the care of pediatric patients who are admitted to the Epilepsy Monitoring Service for long-term video EEG monitoring and attends outpatient Pediatric Epilepsy clinics. The PGY-4 resident is expected to:

- Complete resident consult notes on all inpatient and emergency department pediatric neurology consults under the supervision of the attending physician as scheduled
- Establish and coordinate diagnoses and treatment plans for all inpatient consults under the supervision of the attending physician
- Participate in pediatric neurology outpatient clinics as assigned
- Lead daily rounds on pediatric neurology consults in the inpatient setting
- Interpret EEGs (including inpatient ICU monitoring) under the supervision of the attending physician
- Perform lumbar punctures as necessary for patient diagnosis and management
- Provide on-call coverage for all pediatric neurology patients as scheduled
- Supervise student activities
- Supervise junior resident and rotating resident activities
- Perform other duties as specifically directed by the attending physician

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PGY-5

During the PGY5 year, the resident spends two (4 week) blocks on the Inpatient Pediatric Neurology service and two (4 week) blocks in the Pediatric Neurology outpatient clinics. The resident is also required to complete one (4 week) block rotation in each of the following: neuropathology, child and adolescent psychiatry, and developmental pediatrics. Five of the remaining (4 week) blocks are elective time, with the final (4 week) block allocated for vacation. Potential electives include EEG, EMG, neuroradiology, neuro-ophthalmology, genetics, neuroimmunology, movement disorders, and sleep medicine. Other electives are possible, subject to the Program Director's approval. The resident may also decide to dedicate a portion of this time to research or other career development activities. The PGY-5 resident is expected to:

- Organize patient and didactic conferences as assigned
- Complete resident consult notes on all inpatient and emergency department pediatric neurology consults under the supervision of the attending physician as scheduled
- Establish and coordinate diagnoses and treatment plans for all inpatient consults under the supervision of the attending physician
- Participate in pediatric neurology outpatient clinics as assigned
- Lead daily rounds on pediatric neurology consults in the inpatient setting
- When on elective rotations on other services, perform duties as directed by the supervising physician on that service
- Perform lumbar punctures as necessary for patient diagnosis and management
- Interpret EEGs (including inpatient ICU monitoring) under the supervision of the attending physician
- Perform and interpret EMG/NCV studies under the supervision of the attending physician
- Interpret evoked potentials under the supervision of the attending physician
- Provide on-call coverage for all pediatric neurology patients as scheduled
- Supervise student activities
- Supervise junior resident and rotating resident activities