

## **CHILD NEUROLOGY**

### **Department of Pediatrics**

## **SCOPE OF PRACTICE**

### **PGY-3 – PGY-5 / PGY-6**

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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**

The PGY-3 year is divided evenly between Adult Neurology and Pediatric Neurology, with six months in Adult Neurology, and six months in Pediatric Neurology. The child neurology resident's schedule will include five months of rotations on the Adult Neurology inpatient service, a one month rotation in the Adult Neurology outpatient clinics, three months of rotations on the Pediatric Neurology inpatient service, two months of rotations in the Pediatric Neurology outpatient clinics, and a one month Pediatric EEG elective rotation.

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 neurologic conditions. The resident will also begin taking the AAN RITE in-service examination during the PGY-3 year. The PGY-3 resident is expected to:

- Complete a history and physical on each patient admitted as assigned by the senior resident or attending physician
- Establish diagnosis and treatment plans for assigned patients under the supervision of the senior resident and attending physician
- Participate in daily ward rounds
- Lead daily rounds on Pediatric Neurology consults in the inpatient setting
- Complete resident consult notes on all inpatient and emergency department Pediatric Neurology consults under the supervision of the attending physician as scheduled
- Provide on-call coverage for all adult and Pediatric Neurology inpatients as scheduled
- Perform lumbar punctures as necessary on assigned patients
- Participate in Pediatric Neurology outpatient clinics as assigned
- Participate in Adult Neurology outpatient clinics as assigned
- Interpret EEGs (including inpatient ICU monitoring) under the EEG Fellow and supervision of the attending physician
- Present patient and didactic conferences as assigned
- Perform other duties as specifically directed by the attending physician

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##### **PGY- 4**

The PGY-4 year is again divided between Pediatric Neurology and Adult Neurology with seven months on Pediatric Neurology and five months on Adult Neurology. Three months of the Pediatric Neurology rotations are spent on the Pediatric Neurology inpatient service, performing consultations and caring for patients in the emergency room and throughout the Children’s Hospital. Another two months are spent in the Pediatric Neurology outpatient clinics with each of the attending pediatric neurologists. The outpatient rotations include experience in general Pediatric Neurology, as well as subspecialty clinics for children with Epilepsy, Headache, Movement disorders, Neuromuscular disease, Brachial Plexus injuries, brain tumors, Spasticity, and Autism. Residents will also gain exposure and experience with a number of outpatient procedures, including intrathecal baclofen trials, refilling and programming baclofen pumps, administering botulinum toxin, and programming vagal nerve stimulators.

One month is spent on a Pediatric Neurology EEG elective rotation, and one month is spent on a Pediatric Neurology EMU rotation. While on the Pediatric EMU service, the resident participates in the care of pediatric patients admitted to the Epilepsy Monitoring Unit (EMU) Service for long-term video EEG monitoring and attends outpatient Pediatric Epilepsy clinics.

The Adult Neurology portion of the PGY-4 child neurology resident’s schedule will include a one month rotation on the Adult Neurology inpatient service, a one month rotation 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 and Demyelinating Disease, Headache, Neuro-ophthalmology, Movement Disorders, Neuromuscular, Epilepsy, or Neuro-oncology. The PGY-4 resident is expected to:

- Complete a history and physical on each patient admitted as assigned by the senior resident or attending physician
- Establish and coordinate diagnoses and treatment plans for all inpatient consults under the supervision of the senior resident and attending physician
- Participate in daily ward rounds
- Lead daily rounds on Pediatric Neurology consults in the inpatient setting
- Complete resident consult notes on all inpatient and emergency department Pediatric Neurology consults under the supervision of the attending physician as scheduled
- Provide on-call coverage for all Pediatric Neurology patients as scheduled
- Perform lumbar punctures as necessary for patient diagnosis and management
- Participate in Pediatric Neurology outpatient clinics as assigned

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- Participate in Adult Neurology outpatient clinics as assigned
- Interpret EEGs (including inpatient ICU monitoring) under the EEG Fellow and supervision of the attending physician
- Present patient and didactic conferences as assigned
- Supervise junior resident and rotating resident activities
- Supervise student activities
- Perform other duties as specifically directed by the attending physician

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##### **PGY-5**

During the PGY5 year, the resident spends one month on the Adult Neurology outpatient clinics, in order to complete the twelve months of Adult Neurology training requirement. The resident will also spend one month on the Pediatric Neurology inpatient service.

The resident is also required to complete one month rotations in each of the following: Neuropathology, Child and Adolescent Psychiatry, Developmental Pediatrics, Genetics, and EEG/EMU. Lastly, the resident will have five months of elective rotations. 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 and present patient and didactic conferences as assigned
- Complete a history and physical on each patient admitted as assigned by the attending physician
- Establish and coordinate diagnoses and treatment plans for all inpatient consults under the supervision of the attending physician
- Lead daily rounds on Pediatric Neurology consults in the inpatient setting
- Complete resident consult notes on all inpatient and emergency department Pediatric Neurology consults under the supervision of the attending physician as scheduled
- Provide on-call coverage for all Pediatric Neurology patients as scheduled
- Oversee lumbar punctures by junior residents as necessary for patient diagnosis and management
- Participate in Pediatric Neurology outpatient clinics as assigned
- Participate in Adult Neurology outpatient clinics as assigned
- When on elective rotations on other services, perform duties as directed by the supervising physician on that service
- Interpret EEGs (including inpatient ICU monitoring) under the EEG Fellow and 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
- Supervise junior resident and rotating resident activities
- Supervise student activities
- Perform other duties as specifically directed by the attending physician