

# University of Kentucky Department of Neurology

## Pediatric Neurology Inpatient/Consult Service

### Introduction

The neurology (pediatric and/or adult) resident in this position is the primary manager of neurological care leading the pediatric residents and students. In instances when there is both an adult neurology resident and a pediatric neurology resident on the pediatric neurology service, the pediatric neurology resident should assume leadership of the team and should divide the responsibilities of the team. The resident will dramatically expand his neurological base of knowledge on these services.

### PRINCIPLE EDUCATIONAL GOALS GROUPED BY COMPETENCY

#### **I. PATIENT CARE**

1. Interview patients more skillfully.
2. Examine patients more skillfully.
3. Improve neurological localization skills.
4. Accurately diagnose pediatric neurological disorders requiring inpatient admission.
5. Effectively manage the patient with acute neurological illness including appropriate drug therapy and non-pharmacological treatments and therapies.
6. Define and prioritize pediatric patients' neurological and medical problems.
7. Appropriately select and interpret pertinent laboratory and imaging studies.
8. Improve lumbar puncture skills.
9. Effectively implement long-term medical care of the pediatric neurology patient.
10. Improve clinical ability to anticipate, prevent, and treat neurological complications of medical and surgical conditions.
11. Improve efficiency of care in the hospital setting.

#### **II. MEDICAL KNOWLEDGE**

1. Improve basic neurological knowledge base.
2. Expand clinical knowledge base regarding common pediatric neurology problems requiring inpatient admission. This includes but is not limited to AIDP, myasthenia gravis and exacerbation, multiple sclerosis exacerbation, acute seizures and status epilepticus, status migrainosus, meningitis/encephalitis, stroke in children.
3. Improve understanding of evaluation and diagnostic testing for common pediatric neurology illnesses.
4. Expand knowledge of potential interventions to anticipate and prevent future complications relative to the patient's illness.
5. Access and critically evaluate current medical information and scientific evidence relevant to patient care.

### **III. PRACTICE-BASED LEARNING AND IMPROVEMENT**

1. Identify and acknowledge gaps in personal knowledge and skills in the care of hospitalized patients with pediatric neurology illness.
2. Develop and implement strategies for filling in gaps in knowledge and skills.

### **IV. INTERPERSONAL SKILLS AND COMMUNICATION**

1. Communicate effectively with patients and families
2. Communicate effectively with physician colleagues at all levels.
3. Communicate effectively with all non-physician members of the health care team to assure comprehensive and timely care of hospitalized patients.
4. Present patient information concisely and clearly, verbally and in writing.
5. Teach colleagues and medical students effectively.

### **V. PROFESSIONALISM**

1. Demonstrate respect, compassion and integrity when dealing with patients and families.
2. Demonstrate sensitivity and respect for patients' age, culture, race, gender and religious beliefs.
3. Demonstrate a commitment to ethical principles of providing or withholding care, patient confidentiality and informed consent, and business practices.
4. Demonstrate a commitment to carrying out professional duties including punctuality, reliability, chart maintenance and independent learning and professional development.
5. Demonstrate professional respects for superiors, colleagues, students and all members of the health care team.

### **VI. SYSTEMS-BASED PRACTICE**

1. Understand and utilize the multidisciplinary resources necessary to care optimally for hospitalized patients with neurological illness.
2. Collaborate with other members of the health care team to assure comprehensive patient care.
3. Use evidence-based, cost-conscious strategies in the care of hospitalized patients.
4. Understand the long-term consequences of patient care in relation to the individual's socioeconomic status.

## Duties

1. The resident is directly involved in the management of all patients on the inpatient service. This includes
  - a. interviewing and examining every new admission/consult.
  - b. Writing an admission H&P on every patient.
  - c. reviewing, guiding and teaching the interns and students in their performance of a complete and accurate admission history and physical on every patient.
  - d. leading work rounds with the intern and students.
  - e. assuring that the team is prepared for rounds with the attending daily.
  - f. the pediatric neurology resident should help the pediatric neurology attending in guiding and teaching the adult neurology resident about the general medical care of a pediatric patient.
2. The resident must write a daily progress note on all patients. Notes must be in "SOAP"-note format and must be written *in addition to* a medical student note.
3. The resident must review all student and pediatric intern notes for accuracy and correct/amend them if necessary.
4. The resident will see consults in the ED or the general pediatric floors during daytime hours as directed by the pediatric neurology resident or attending.
5. The resident is the primary teacher for the pediatric intern and students.
6. The resident should personally review all CT and MRI scan of patients admitted to the service and patients seen in consultation. Other neurology diagnostic tests should also be reviewed by the resident.

