Goals & Objectives for Neurology Floor (Inpatient Neurology Service) Rotation for Off-Service Rotators

The goal of the neurology floor rotation for off-service rotators is to provide an introduction to the care and evaluation of inpatients with neurological disorders. The rotating resident will be paired with one of the PGY2/PGY3 neurology residents on the neurology service. The rotator will admit patients with the PGY2/PGY3 resident. The rotator will take primary responsibility and perform the initial H&P on some patients that arrive during daytime shift hours. The intern will be supervised directly by the PGY2 resident, and also by the chief resident on the team and ultimately by the attending physician.

Rotators should report to the neurology floor (11400) at 7am on the first day of the rotation. Neurology chief residents on the floor will assign interns to the appropriate team. Interns are expected to attend neurology rounds and conferences:

- Neuroscience QI Conference: Mondays, Noon,
- Morning Report: Wednesdays/ Thursdays, 7:15AM, 11400 Conference Room
- Neuroscience Core Lecture Series: Wednesdays, Noon, (Sept – June)
- Journal Club: Thursdays, Noon, Choi Conference Room (second floor McMillan Hospital).
- Grand Rounds: Fridays, 7.30 AM, West Pavilion Auditorium (at tunnel level)

If problems occur, the Administrative Chief Residents are available to assist you with routine issues that might arise. The neurology residency program director, Dr. Joy Snider (Residency Program Director) is available to address issues that are of concern.

Specific Educational Goals and objectives:

Patient Care

Goal: The resident rotating on Neurology Floor will learn to manage inpatient care of patients with neurological problems. The PGY1 resident will work with a PGY2/PGY3 neurology resident, under the supervision of attendings and senior residents. The intern will provide work with the PGY2/PGY3 resident to provide primary evaluation of all patients admitted to the neurology service, and to executing the agreed upon evaluation and treatment plan for these patients. The intern will learn proper evaluation of acute, severe, or debilitating neurologic problems requiring hospitalization. Residents are expected to:

Objectives:

- Promptly perform the initial evaluation of new patients promptly and obtain an accurate and specific history and physical examination for recognition of neurological disorders.
• Complete a full admission chart note, including case history, documenting complete neurology exam, and documenting diagnostic considerations, evaluation plan, and differential diagnosis.
• Write a personal note on a daily basis for all ward patients.
• Integrate history and physical examination with medical knowledge for neurological disorders to arrive at a differential diagnosis and plan.
• Make an informed diagnosis using the most current pathophysiological explanations.
• Make evidence-based treatment decisions.
• Discuss care plan for new patients with the chief resident and attending and write appropriate orders to institute care.
• Prescribe current concepts of therapy including mechanisms of drug action and available surgical intervention.
• Provide timely service and seek appropriate consultation and support in the evaluation and treatment of neurological disease.
• Order, review and evaluate all diagnostic testing for patients on the neurology service.
• Perform diagnostic procedures such as lumbar punctures.
• Round on follow-up patients in the morning before rounds and document findings in the medical record. Resident will follow-up on patients throughout the day and will follow-up on requested studies.
• Dictate a discharge summary at the conclusion of hospital stay.

Medical Knowledge

Goal: The intern rotating on Neurology Floor must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to care of patients with neurological disease. Residents are expected to:

Objectives:

• Demonstrate an understanding of the basic and neurological science background of neurological medicine and apply this knowledge to the clinical care of patients.
• Be able to explain and examine the interaction of neurological diseases with other organ systems and with other medical illnesses.
• Have knowledge of the most current pathophysiological explanations for neurological disorders.
• Gain experience in localization of findings on neurological exam.
• Gain experience in diagnosis and management of neurological emergencies including status epilepticus, acute stroke, increased intracranial pressure, meningitis, etc.
• Develop neurological exam skills under guidance of neurology attending.
• Gain experience in the inpatient evaluation and management of common neurological problems.
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- Develop skills in neurological procedures such as lumbar puncture.

**Practice-based Learning and Improvement**

The resident rotating on Neurology Floor must demonstrate the ability to investigate and evaluate their care of neurological patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning. Residents are expected to develop skills and habits to be able to meet the following goals:

**Objectives:**

- Teach the utility and appropriate use of specialty procedures (MR, CT, EEG, evoked potentials, sleep studies, EMG/NCV and CSF evaluations.
- To prioritize clinical responsibilities, provide timely service, and seek appropriate consultation and support.
- Develop the ability to use information technology to improve the practitioner's fund of knowledge and technical skills to provide better care to patients.
- Attend teaching rounds six days per week for case presentation and discussion with attending physicians.
- Participate in teaching and supervising the medical students and rotators on the rotation and sharing in their evaluation.
- Regularly attend weekly neurology conferences including (1) Grand Rounds (2) Clinical Neuroscience Lecture Series; (3) QI Conference when clinical duties permit.

**Interpersonal and Communication Skills**

The resident rotating on Neurology Floor must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals. Residents are expected to:

**Objectives:**

- Communicate effectively with other health care professionals.
- Communicate with patients and their families in easily understood and culture-sensitive language.
- Work effectively as both a member of a professional group and as a group leader.
- Demonstrate the ability to serve as a consultant to colleagues and health care professionals.
- Maintain comprehensive, timely and legible medical records.

**Professionalism**

The resident rotating on Neurology Floor must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Residents are expected to demonstrate:

- Understand good and bad communication behavior and leadership characteristics.
- Demonstrate appropriate nonverbal behavior.
- Have a commitment to carrying out professional responsibilities.
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- Adhere to ethical principles.
- Develop sensitivity to a diverse patient population, with respect for colleagues and other health professionals.
- Function well as a team member.

Systems-based Practice
The resident rotating on Neurology Floor must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care. Residents are expected to:

- Describe the responsibility of the individual physician to the patient, the practice and the overall health care system.
- Describe the concepts of cost containment and cost-effectiveness and learn the relative cost to the patient and society of studies and treatments requested.
- Describe methods for ensuring that the practitioner and the practice group use scarce resources in a sound, thoughtful and cost-effective manner.
- Develop necessary skills required for the independent practice of neurological care.
- Understand the role of the physicians order, appropriate history and the electronic medical record as they pertain to inpatient neurological care.
- Understand how to utilize available resources in the hospital and via electronic media to improve patient care and outcomes.

**EVALUATION:** Residents will be evaluated by the fulltime faculty attending working with the resident with additional assessment by the PGY2/PGY3 resident, chief resident, nursing staff, patients and students.