Goals & Objectives for Neurology Night Float Rotation for Neurology and Pediatric Neurology Residents (PGY2 and PGY3 residents)

PGY2 and PGY3 goals and objectives are similar.

Patient Care

Goal: The resident rotating on Neurology Night Float will learn to provide initial evaluation of patients presenting in the emergency ward or on other services requiring urgent neurologic analysis, diagnosis and treatment. The resident will gain experience with neurologic complications of medical and surgical conditions in the consultation setting. Residents are expected to:

Objectives:

- Provide urgent consultative services through night hours for the emergency room of Barnes-Jewish Hospital and for hospitalized patients on non-neurologic services of Barnes-Jewish Hospital.
- Participate in rapid initial review of patients requiring neurologic evaluation.
- Perform focused histories, and examinations on patients with neurologic complaints and formulate a plan for immediate management in consultation with senior residents (PGY4 on Neurology Floor) and attendings on the service.
- Formulate differential diagnosis using the most current pathophysiological explanations and urgent evidence-based treatment plans for neurologic conditions.
- Present cases for discussion in the attending conference on the morning following evaluations.
- Complete a full consultation chart note, including case history, documenting complete neurology exam, and documenting diagnostic considerations, evaluation plan, and differential diagnosis.

Medical Knowledge

Goal: The resident rotating on Neurology Night Float must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to urgent 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 consultations and evaluation and management of common neurological problems.
• Develop skills in neurological procedures such as lumbar puncture.

Practice-based Learning and Improvement
The resident rotating on Neurology Night Float 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 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) Research Conference when clinical duties permit.

Interpersonal and Communication Skills
The resident rotating on Neurology Night Float 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, especially in the ED and other acute care settings.
• 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 Night Float 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.
- 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 Night Float 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 physician's 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 (consult attending and neurology inpatient attending physicians) with additional assessment by the senior resident, nursing staff, patients and students. Senior residents are especially involved since most immediate evaluations are reviewed with them.