Loyola Internal Medicine Residency Training Program
Loyola/Hines Neurology Consult Curriculum
R1/R2/R3 Goals and Objectives

Revision Date: June 2012
Rotation Director: Jose Biller, MD
SEC: Matt McCoyd, MD

Staffing:
1 Attending
2 Neurology Housestaff
1-2 Internal Medicine Housestaff (PGY 2/3)

Rotation Specific Conferences (Location)
Daily @ 7:00a (McGuire Bldg 2nd floor) - Neurology morning report

Purpose:
To provide exposure to and experience in managing patients with neurologic diseases requiring in-patient consultation (e.g. altered mental status, seizure, stroke, headache, neuropathies)

Competencies

Competency 1: Patient Care
Provide family-centered patient care that is development- and age-appropriate, compassionate, and effective for the treatment of health problems and the promotion of health.
1. Use a logical and appropriate clinical approach to the care of patients presenting for Neurology care, applying principles of evidence-based decision-making when managing these problems.
2. Describe general indications for subspecialty procedures and interpret results of laboratory and imaging findings for patients and families.
3. Correctly perform appropriate physical examination maneuvers for the detection of common Neurologic diseases including an assessment of mental status, cranial nerves, motor exam, muscle stretch reflexes, a detailed sensory exam and assessment of coordination, gait and balance.

Competency 2: Medical Knowledge
Understand the scope of established and evolving biomedical, clinical, epidemiological and social-behavioral knowledge needed by a physician with regards to Neurologic diagnoses and demonstrate the ability to acquire, critically interpret and apply this knowledge in patient care.
1. Acquire, interpret and apply the knowledge appropriate for the generalist regarding the core content of Neurology.
2. Demonstrate knowledge of the etiology, risk factors, preventive interventions, pathophysiology, natural history, clinical presentations, diagnostic strategies, radiologic evaluation, initial management strategies for patients presenting with common neurologic disorders including but not limited to: stroke, movement disorders, encephatopathy, seizures, tremor, weakness, dizziness/vertigo, dementia/delerium, paraysis, visual changes, headaches/migraines, peripheral neuropathy, spinal cord lesions and chronic diseases such as multiple sclerosis.
3. Demonstrate an understanding of neuroanatomy sufficient to localize neurologic lesions.
4. Understand that indications, basic techniques and interpretation of lumbar puncture/CSF analysis, carotid dopplers, neuro-imaging including CT, MRI and PET, EMG, and EEG.
4. Critically evaluate current medical information and scientific evidence related to Neurology and modify your knowledge base accordingly.
5. Proficiency in the performance of a complete Neurologic-focused examination and application of those findings to localize the site of dysfunction and develop a differential diagnosis.

Competency 3: Interpersonal Skills and Communication
Demonstrate interpersonal and communication skills that result in information exchange and partnering with patients, their families and professional associates
1. Provide effective patient education, including reassurance, for a condition(s) common to Neurology not only for Neurology related conditions, but also with relating this information to patients, families, and caregivers.
2. Communicate effectively with primary care and other physicians, other health professionals (e.g. physical, speech, and occupational therapists, social workers, and health-related agencies) to create and sustain information exchange and teamwork for patient care.
3. Maintain accurate, legible, timely and legally appropriate medical records, including referral forms and letters, for subspecialty patients in the outpatient and inpatient setting.

**Competency 4: Practice-based Learning and Improvement**
Demonstrate knowledge, skills and attitudes needed for continuous self-assessment, using scientific methods and evidence to investigate, evaluate, and improve one's patient care practice.
1. Identify standardized guidelines for diagnosis and treatment of conditions common to Neurology and adapt them to the individual needs of specific patients.
2. Identify personal learning needs related to this subspecialty; systematically organize relevant information resources for future reference; and plan for continuing acquisition of knowledge and skills.

**Competency 5: Professionalism**
Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to diversity.
1. Demonstrate personal accountability to the well-being of patients (e.g., following up on lab, imaging, and biopsy results, writing comprehensive notes, and seeking answers to patient care questions).
2. Demonstrate a commitment to carrying out professional responsibilities.
3. Adhere to ethical and legal principles, and be sensitive to diversity.

**Competency 6: Systems-based Practice**
Understand how to practice high-quality health care and advocate for patients within the context of the health care system.
1. Identify key aspects of health care systems as they apply to Neurology, including the referral process, and differentiate between consultation and referral.
2. Demonstrate sensitivity to the costs of clinical care in the Neurology setting, and take steps to minimize costs without compromising quality.
3. Recognize and advocate for families who need assistance to deal with systems complexities, such as the referral process, lack of insurance, multiple medication refills, multiple appointments with long transport times, or inconvenient hours of service.
4. Recognize one's limits and those of the system; take steps to avoid medical errors and facilitate patient's navigation through the system.

**Reading List**

Guidelines for the Early Management of Adults With Ischemic Stroke. Stroke. 2007;38;1655-1711

Prediction of outcome in comatose survivors after cardiopulmonary resuscitation (an evidence-based review). Neurology. 2006;67;203-210
