



Educational Goals and Objectives for Rotations on: Neurology

Educational General Goals:

- Residents will rotate through an inpatient neurology service as well as office service to:
- Train physicians to become comfortable managing clinical neurologic conditions through exposure to both inpatient and outpatient care.
- Refine skills in performing a neurologic history and neurologic examination.
- Learn to appropriately order neuroimaging studies, the initial interpretation of such studies, and the influence of these results on initial management plans.
- Enhance knowledge through didactics about the most common and important neurologic diseases.
- This chart details the minimum curricular goals for each year of residency.

Patient Care: History Taking

PGY-1

- Demonstrates the ability to obtain and document an accurate and complete history from patient,
- Caretaker or outside resources with moderate input from faculty.
- Specific focus on neurologic symptoms and history:
 - Headache
 - Neurologic deficits
 - Stroke and TIAs
 - Seizure sx and hx
 - CNS infection
 - Altered mental status
 - Multiple sclerosis
 - Genetic, epidemiologic and disease-related risk factors for neurologic problems.

PGY-2

- Demonstrates the ability to obtain and document an accurate and complete history with occasional input from faculty.
- Begins to deal with sensitive topics such as: Compliance/adherence issues

PGY-3

- Demonstrates the ability to obtain and document an accurate and complete history independently.
- Successfully deals with sensitive topics.
- Evaluation Methods:
 - Mini Cex
 - End of Rotation Competency Tool

Patient Care: Physical Exam



PGY-1

- Demonstrates the ability to perform a complete neurologic exam.
- Attempts to characterize abnormalities on exam and localize neurologic deficit with regular input from faculty.

PGY-2

- Demonstrates the ability to recognize abnormalities on the physical exam and accurately localize neurologic deficit/injury.
- Requires occasional input from faculty.

PGY-3

- Independently carries out an accurate neurologic exam with both normal and abnormal physical findings.
- Evaluation Methods:
 - Mini Cex
 - End of Rotation Competency Tool

Pt Care: Medical Decision

PGY-1

- Reliably recognizes critical illness and appropriately seeks assistance.
- Writes progress notes that identify important data and demonstrate thoughtful problem based assessment and plan.
- Recognizes, initiates management for, and outlines therapeutic goals for conditions outlined in medical knowledge:
- Understands appropriate monitoring of neurologic conditions.
- Requires regular faculty input to achieve these goals.

PGY-2

- Can independently initiate management strategies for conditions outlined in the PGY-1 year.
- Recognizes and begins management of:
 - Anticoagulation strategies for acute stroke
 - Refractory headache and prophylaxis
 - Ongoing management goals are correct with moderate faculty input.

PGY-3

- Can independently initiate emergent and ongoing management strategies.
- Understands the pathophysiology and management of patients with conditions outlined.
- Evaluation Methods:
 - Chart Review of Documentation
 - End of Rotation Competency Tool

Patient Care: Procedural skills

PGY-1



- Masters the cognitive, counseling and technical skills for
- Lumbar puncture
- Interprets results of:
 - CSF fluid analysis
 - Understands the indications for:
 - MRI and CT scan
 - EMG studies
 - Documents appropriately.
- Relies on moderate faculty input

PGY-2

- Interprets report findings of:
 - MRI and CT scan of the brain and spine
 - Angiography
 - EMG
 - EEG
 - Understands indications for:
 - Angiography
 - Brain biopsy
 - Relies on occasional faculty input

PGY-3

- Independent in performing, interpreting and planning appropriate procedures for
- Patients with neurologic disease.
- Evaluation Methods: Procedure Logs, End of Rotation Competency Tool

Patient Care: Consultation Process

PGY-1

- Appropriately obtains consults (HMC Neuro).
- Provides consultation:
- Clarifies questions to be answered; thorough data gathering; and initial assessment and plan.

PGY-2

- Develops strategy for managing patient referrals and follow-up.
- Is an effective consultant.

PGY-3

- Consultation provided with EBM literature review.
- Evaluation Methods: End of Rotation Competency Tool

Medical Knowledge

PGY-1

- Applies relevant clinical and basic science knowledge in the following neuro conditions:
 - Stroke and TIA
 - Headache
 - Altered mental status:
 - Delirium, Coma
 - Dementia
 - Demyelinating disorders and Multiple sclerosis
 - Seizure disorder



- Drug overdose

PGY-2

- Demonstrates a progression in content knowledge and analytical thinking with well formulated differential diagnoses and management plans.

PGY-3

- Understanding and application of medical literature related to common medical conditions.
- Evaluation Methods: Attending Review of Record, End of Rotation Competency Tool

Interpersonal Skills and Communication

PGY-1

- Effectively establishes rapport with patients and families.
- Communicates well with primary team and other consultants.
- Presents on rounds in an organized and articulate way.
- Provides timely and thorough electronic documentation of patient care.

PGY-2

- Effectively carries out difficult discussions, such as sensitive topic discussions with moderate faculty input.
- Provides teaching and feedback to more junior team members on their communication styles.
- Functions as an effective consultant.

PGY-3

- Able to deal with the most challenging patients and families with minimal direction.
- Coordinates team communication to optimize patient care
- Evaluation Methods: Mini Cex, End of Rotation Competency Tool