Revised 08/24/2019

**Adult EEG Elective**
Competency Based Goals and Objectives

**Patient Care.** Provide family centered patient care that is developmentally and age appropriate, compassionate, and effective for the treatment of health problems and the promotion of health.

Objectives:
- Review history and current presentation of patients referred for EEG
- Understand the appropriate clinical indications for EEG
- Understand the limitations of EEG in the evaluation of neurological conditions
- Observe and interpret EEG studies in the adult population

**Medical Knowledge.** Understand the scope of established and evolving biomedical, clinical, epidemiological, and social-behavioral knowledge needed by a pediatric neurologist; demonstrate the ability to acquire, critically interpret, and apply this knowledge in patient care.

Objectives:
- Accurately identify normal EEG patterns and common benign variations
- Accurately identify common and less common artifacts observed on EEG
- Accurately identify interictal epileptiform patterns and their associated clinical implications
- Accurately identify common seizure patterns and become familiar with less common seizure patterns
- Interpret reports and understand clinical significance of findings

**Interpersonal and Professional Communication.** Demonstrate interpersonal and communication skills that result in information exchange and partnering with patients, their families, and professional associates.

Objectives:
- Provide clinical assessment of cases to faculty, using correct terminology and with explanation of rationale based on appraisal of available clinical and neurophysiological data
- Interact in a collegial way with ancillary staff including nurses and EEG technologists
- Effectively communicate EEG procedure and applicable findings to patients and families

**Professionalism.** Demonstrate a commitment to carry out professional responsibilities, adherence to ethical principles, and sensitivity to diversity.

Objectives:
- Be present and ready for EEG reading sessions at the agreed time
- Protect patient privacy
- Demonstrate sensitivity to race, gender, ethnic background, religion, sexual orientation, and other social factors in dealing with patient care and interactions with other providers and other learners
• Treat colleagues at all levels with respect
• Display openness to supervision and accept constructive feedback

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.

Objectives:
• Access and critically appraise scientific literature relevant to the care of patients with epilepsy
• Access learning sources (textbooks, medical literature, online resources) to fill gaps in knowledge that are identified during case discussions
• Identify strengths, deficiencies, and limits to knowledge and expertise
• Participate in the education of students, residents, and other health care professionals

Systems Based Practice. Understand how to practice quality health care and advocate for patients within the context of the health care system.

Objectives:
• Understand the role of the physicians order, appropriate history and the electronic medical record as they pertain to proper EEG interpretation
• Learn the relative cost to the patient and society of neurophysiological evaluations
• Provide timely delivery of EEG results to inpatient care providers