NeuroImmunology 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:
- Participate actively in pediatric neuro-immunology clinics, adult multiple sclerosis clinic, and adult neuro-infectious disease clinics.
- Participate actively on the pediatric neuro-immunology consult service
- Effectively perform a focused history and physical examination specific to neuroimmunology disorders and generate a comprehensive problem list
- Integrate history and physical examination with medical knowledge of neurologic disorders to arrive at differential diagnosis and plan for evaluation
- Use evidence-based treatment guidelines to inform treatment decisions
- Provide timely, compassionate service and seek appropriate consultation and support in the evaluation and treatment of movement disorders
- Understand advantages and current limitations of diagnostic criteria for the diagnosis of adult and pediatric neuroimmunology disorders

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:
- Increase knowledge of the epidemiology of neuro-inflammatory disorders
- Improve recognition of neuro-inflammatory disorders through accurate and specific clinical assessment
- Gain familiarity with the most current pathophysiological understanding of common adult and pediatric neuro-inflammatory disorders including multiple sclerosis, acute disseminated encephalomyelitis (ADEM), neuromyelitis optica (NMO) spectrum disorders, and various autoimmune encephalitides.
- Understand the indications for use and limitations of antibody testing, neuroimaging, and laboratory investigations in the evaluation of the adult and pediatric patients with neuro-inflammatory disorders
- Understand the indications and limitations of current pharmacologic and non-pharmacologic interventions for the treatment of the adult and pediatric patient with an neuro-inflammatory disorder

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, laboratory, neuroimaging data
- Interact in a collegial way with staff, including medical assistants, nurses, and nurse practitioners, with goal of providing optimal patient care
- Communicate effectively with patients and their families to obtain clinically relevant information and deliver diagnosis and treatment plan in an easily understood and culturally sensitive manner
- Maintain comprehensive, timely, and legible medical records
- Communicate effectively with consulting colleagues and health care professionals

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

Objectives:
- Be present and prepared for clinic
- Admit errors or omissions and takes steps to correct them
- 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

**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:
- Perform examinations and develop diagnostic and therapeutic plans under the supervision of a neuro-immunology attending physician
- Prioritize clinical responsibilities, provide timely service, and seek appropriate consultation and support when necessary
- Integrate feedback from preliminary diagnostic errors to improve diagnostic accuracy
- Identify strengths, deficiencies, and limits to knowledge and expertise
- Access learning sources (textbooks, medical literature, online resources) to fill gaps in knowledge that are identified during case discussions
- Participate in the education of students, residents, and other health care professionals
- Regularly attend group meetings including case conferences, webinars, and complete directed reading, as suggested.

**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 concepts of cost containment and cost effectiveness that may be employed in the Neuro-immunology clinic and inpatient service for the management of patients with neuro-inflammatory disease
• Describe methods for ensuring the physician uses scarce resources in a sound, thoughtful, and cost-effective manner
• Understand how to utilize available resources in the hospital and clinic and via electronic media to improve patient care and outcomes