

Elective Description

Campus: Northeast (Grand Forks)
Elective/Experience Title: Pediatric Neurology
Location of Elective: Altru – Grand Forks, ND

Department: Neurology
Course Number: NEUR 9333-01

Preceptor(s): James Miles, MD
Period(s) Offered: All
Number of students per period: 1 per period

Course Prerequisites: Neurology Clerkship
Revised Curriculum Phase(s): 2 & 3

Purpose: To provide education and experience in the care of children requiring services of a pediatric neurologist

Objectives: Following successful completion of this elective, the student will be able to:

1. Perform a complete neurology history and perform a neurology examination for children with common disorders affecting the nervous system. (*competency 3.1*)
2. Develop differential diagnoses for common disorders affecting the nervous system in children. (*competency 3.3*)
3. Formulate plans for diagnostic evaluation of children with common neurology problems. (*competency 3.2*)
4. With preceptor supervision, formulate proper treatment plans for children with common neurology problems. (*competency 3.4*)
5. Discuss basic knowledge of developmental pediatrics. (*competency 2.7*)
6. Perform basic developmental evaluation of pediatric patients. (*competency 3.1*)
7. Correlate neurological signs and symptoms with neuroanatomical disorders. (*competency 2.3*)
8. Explain the method of performing and indication for the following electrodiagnostic studies: EEG, ABR, VEP, PSG. (*competency 1.10, 3.2*)
9. Complete all obligations of the elective in a timely and professional manner. (*competency 5.4, 5.7*)

Instructional Activities: During this elective, the student will be involved in/experience:

1. The clinical evaluation of both inpatients and outpatients under the direction of the pediatric neurologist.
2. The direct care of inpatients under the supervision of the pediatric neurologist.
3. Discussions with the preceptor of assigned readings in recent and classical pediatric neurology literature.
4. Brief assigned topic presentations to the preceptor.
5. Assigned educational conferences.

Criteria for Grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Evaluate by direct observation timeliness and professionalism (*objective 9*).
3. Evaluate the quality of the performance of assigned tasks and presentations by direct observation and discussion with the student including knowledge of and ability to assess pediatric development, neuroanatomical correlation with pediatric neurology disease and the method of performing and indications for common pediatric neurodiagnostic tests (*objective 5,6,7,8*).
4. Evaluate by direct observation the student's ability to obtain pertinent history, complete competent neurology exam and formulate a reasonable differential diagnoses and diagnostic and management plans for children with neurological disorders (*objectives 1,2,3,4*).