



## **Elective Description**

**Campus:** Southeast - Fargo

**Elective/Experience Title:** Pediatric Neurology

**Location of Elective:** Sanford – Fargo, ND

**Department:** Neurology

**Course Number:** NEUR 9233-02

**Preceptor(s):** Jhablall Balmakund, MD; Dane Breker, MD; Scott Belliston, DO; Sunil Mutgi, MD; Gautam Sachdeva, MD; Jau-Shin Lou, MD

**Course Prerequisites:** Must have completed MS3 neurology clerkship

**Period(s) Offered:** All

**Revised Curriculum Phase(s):** 2 & 3

**Number of students per period:** 1 per period

**Purpose:** To provide educational experience in the care of children and young adults with neurologic disorders.

**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. Demonstrate understanding of when and how to select neurologic imaging: MRI, CT, US (competency 1.10, 3.2)
10. 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 care of inpatients under the supervision of the 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)