



# GRMERC

GRAND RAPIDS MEDICAL EDUCATION AND RESEARCH CENTER

1000 Monroe NW  
Grand Rapids, MI 49503  
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<http://www.grmerc.net/>

**ELECTIVE NAME:**

Neurosurgery

**COURSE NO:**

SUR 614

**PREREQUISITE:**

Required Junior Surgery

**INSTITUTION:**

Spectrum Health Butterworth

**OBJECTIVES:**

The student will increase his/her skill in performing sub-routines of the neurological examination. Example: testing for a peripheral nerve injury, neurophthalmological examination, etc.

The student will increase his/her skill in the management of emergency and urgent neurological problems.

The student will become familiar with non-operative neurosurgical problems such as the management of cerebral edema, central nervous system infections, and seizure disorders.

The student will observe and assist when appropriate in techniques involving spinal and arterial functions.

**DESCRIPTION:**

Students will gain a general familiarity with the field of neurosurgery and develop an understanding of the contribution neurosurgery makes to medicine in general. The elective will expand the neurosurgery experience and give the student considerable responsibility in neurosurgical areas. The student will perform general and neurological examinations on patients admitted to the neurological service of instructive value or those designated by staff and the student will make daily rounds on his/her patients. The student may have the opportunity to research literature and present an appropriate subject during conference. Students will attend periodic conferences with other medical staff to discuss pertinent literature and patient problems which they are involved in. An emphasis will be given to problem solving approach for handling neurological problems.

**EVALUATION:**

Preceptor(s) will be asked to submit a written evaluation at the conclusion of the clerkship. Faculty are encouraged to provide ongoing feedback throughout elective rotations.