

**Title of Clerkship:** Neurological Surgery Elective(4 weeks)

**Elective Type:** Third year elective

**Department:** Neurological Surgery

**Type of Elective:** Clinical  Non-Clinical/Research  Basic Science

**Clerkship Site:** The University of Toledo Medical Center

**Course Number:** NEUS760

**Blocks available:** All

**Number of students per block:** 1

**Faculty:** Jason Schroeder, M.D.

**Elective Description/ Requirements:** In the Neurological Surgery elective the student will be integrated into the Neurosurgery Services with appropriate responsibility for diagnosis and management of patients. The student will be assigned a specific Neuroscience topic for presentation.

**Length of Clerkship:** 4 weeks

**Links to Core Competencies**

PC-2, PC-3, MK-1  
PC-7, PC-8, MK-4,  
MK-7  
PC-7, PC-8, PC-9,  
MK-4, MK-7  
PC-7, PC-8, PC-9,  
MK-4, MK-7  
PC-7, PC-8, PC-9,  
MK-4, MK-7  
PC-1, PC-2, PC-3,  
PC-4, MK-7  
PC-8, PC-10, MK-3,  
MK-7  
IPC-1, IPC-2, PC-1,  
PC-3, PC-4, PC-7  
IPC-1, IPC-2, PC-1,  
PC-3

**Educational Course Objectives:** At the end of the rotation the student will be able to:

1. Perform a screening neurologic exam.
2. Recognize signs and symptoms of common lumbar and cervical root syndromes.
3. Evaluate the patient in a coma and discuss the differentiated diagnosis of coma.
4. Evaluate the patient with head or spinal cord injury.
5. Evaluate the patient with increased intracranial pressure and differential between symptoms related to brain tumors, intracranial hemorrhage and stroke.
6. Summarize the history and physical exam, differentiated diagnosis, interpretation of imaging studies and suggested treatment plan of patients with common neurological syndromes.
7. Review the journal literature pertinent to a selected area and evaluate selected reviews.
8. Write a complete and accurate daily progress note including interpretation of results of laboratory and radiographic/imaging studies.
9. Accurately present patient information concerning the patient's condition, progress and results of laboratory and radiographic/imaging studies.

**Professionalism:** UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Core Competencies and the current Educational Course Objectives for the Sponsoring Department.

**Instructional Methods:**

1. Interpretation of lab data
2. Diagnostic tests-use/interpretation
3. Small group instruction
4. Case studies
5. Ambulatory care experience
6. Grand Rounds
7. Teaching rounds

8. Residency program/department conferences

**Evaluation methods** 1. Clinical competency evaluations

**Employed:** 2. Faculty/Resident observation

3. Professional assessments

4. Attendance

5. Case write up

**Prerequisites:** Successful completion of years 1&2, passing USMLE Step 1, completion of Bridge Course

**Clerkship Director:** Stephanie Pannell, M.D.

**Clerkship** Claudia Davis

**Coordinator:**

**Phone Number:** 419.383.3580

**Email:** [Claudia.davis@utoledo.edu](mailto:Claudia.davis@utoledo.edu)

**Special** Rotation requires approval from clerkship director through the coordinator. Participation in night call  
**Requirements:** is recommended because many cases come in after hours. A call schedule may be arranged per individual faculty member.