

**Title of Clerkship:** Neurological Surgery  
**Elective Type:** 4<sup>th</sup> year elective  
**Department:** Surgery  
**Type of Elective:** Clinical  Non-Clinical/Research  Basic Science

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

**Course Number:** NEUS704

**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 Neurosurgery Service as a team member, with appropriate responsibility for diagnoses and management of patients. The student may be assigned a specific Neuroscience topic for presentation

**Length of Clerkship:** 2 weeks

**Links to Core Competencies**

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

PC-2, PC-3, MK-1

1. Perform a screening neurologic exam

PC-7, PC-8, MK-4, MK-7

2. Recognize signs and symptoms of common lumbar and cervical root syndromes

PC-7, PC-8, PC-9, MK-4, MK-7

3. Evaluated the patient in coma and discuss the differentiated diagnosis of coma

PC-7, PC-8, PC-9, MK-4, MK-7

4. Evaluate the patient with head of spinal cord injury.

PC-7, PC-8, PC-9, PC-10, MK-4, MK-7

5. Evaluate the patient with increased intracranial pressure and differentiate between symptoms related to brain tumors intracranial hemorrhage and stroke.

PC-1, PC-2, PC-3, PC-4, MK-7

6. Summarize the history and physical exam, differential diagnosis, interpretation of imagine studies and suggested treatment plan of patients with common neurological syndromes.

PC-10, PC-8, MK-3, MK-7

7. Review the journal literature pertinent to a selected area and evaluate selected reviews.

IPC-1, IPC-2, PC-4, PC-7

8. Write a complete and accurate daily profess note including interpretation of results of laboratory and radiographic/imaging studies

IPC-1, IPC-2, PC-1, PC-3

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 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**
- Employed:**
1. Clinical competency evaluations
  2. Faculty/Resident observation
  3. Professional assessments
  4. Attendance
  5. Case write up

**Prerequisites:** Successful completion of required Surgery Clerkship.

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

**Clerkship**  
**Coordinator:** Claudia Davis  
**Phone Number:** 419.383.3580  
**Email:** [Claudia.davis@utoledo.edu](mailto:Claudia.davis@utoledo.edu)

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