

**Title of Clerkship:** Neurological Surgery Acting Internship

**Elective Type:** Acting Internship  
Neurological Surgery

**Department:** Surgery

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

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

**Course Number:** NERS702

**Blocks available:** All

**Number of students per block:** 2

**Faculty:** Azedine Medhkour, M.D. and Jason Schroeder, M.D.

**Elective Description/ Requirements:** In the Advanced Neurological Surgery elective the student will be integrated into the Neurosurgery Service as a sub-intern, 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-10, PC-8, MK-3,  
MK-8  
IPC-1, IPC-2, PC-1,  
PC-3, PC-4, PC-7  
IPC-1, IPC-2, PC-1,  
PC-3  
IPC-1, IPC-2, IPC-4,  
IPC-7

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

1. Performing a screening neurologic exam
2. Recognize signs and symptoms of common lumbar and cervical root syndromes
3. Evaluate the patient in 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 differentiate between symptoms related to brain tumors, intracranial hemorrhage and stroke
6. Summarize the history and physical exam, differential 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 imaging studies
10. Write a complete and accurate daily progress note including interpretation of 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 discussions
4. Case studies
5. Ambulatory care experience

6. Grand rounds
7. Teaching rounds
8. Residency program/departmental 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.