

Title of Clerkship: Neurological Surgery

Elective Type: 4th year elective

Department: Surgery

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

Clerkship Site: ProMedica Physician's Neurosurgery-Toledo Hospital

Course Number: NEUS 704

Blocks available: All

Number of students per block: 1

Faculty: Kevin Reinard, M.D. and Dr. Brandon Gabel

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 EPOs

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, PC-10, MK-4, MK-7

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

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

IPC-1, IPC-2, 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. Describe 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 of 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. Evaluate journal literature pertinent to a selected area and present it
8. Write a complete and accurate daily profess 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/COMLS 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

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

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.