

Title of Clerkship: Neurological Surgery - Sandusky AHEC- (4 Week)

Elective Type: Fourth Year Elective

Department: Neurological Surgery

Clerkship Site: Sandusky

Course Number: NEUS702

Blocks available: All

Number of students per block: 1

Faculty: Dale Braun, M.D.

Elective Description/ Requirements: In the Advanced Neurological Surgery elective the student will be integrated into the Neurosurgery Service 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 EPOs

S4, K1
S7, S8, K4, K7
S7, S8, S9, S10, K4, K7
S7, S8, S9, S10, K4, K7
S7, S8, S9, S10, K4, K7

S3, S4, S5, K7

S11, S8, K3, K8

S1, S3, S5, S7

S1, S3

S1, S3, S5, S7

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 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 radiographic/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 Educational Program Objectives 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 discussion
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 and Neurology clerkship.

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Special Requirements:

Participation in night call is recommended because many cases come in after hours. A call schedule, in compliance with institutional policy #3364-81-04-004-00, "Assigned Education Hours for Medical Students During Clinical Clerkships" will be arranged per individual.

**AAMC Hot Topics
Addressed in this
Elective Clerkship:**

Research Methods (35 and 36)