

Title of Clerkship: Interventional Neurovascular Care

Elective Year(s): M4

Department: Neurology

Type of Elective: Clinical   X   Non-Clinical/Research \_\_\_\_\_ Basic Science \_\_\_\_\_

Clerkship Site: The Toledo Hospital / Neurosciences Center

Course Number: NEUR 712

Blocks Available: all

Number of Students/Block: 1

Faculty: Dr. Mohammad Jumaa, Dr. Syed Zaidi, Dr. Richard Burgess

Elective Description/Requirements: Student will have the opportunity to shadow neurovascular faculty in the interventional suite, and assist as appropriate with procedures including angiography, thrombolytic treatment of acute ischemic stroke, intracranial arterial stenting and aneurysm coiling. The enrolled student will participate in care of the patient from presentation to discharge.

Length of Clerkship: 2 weeks

Links to Educational Program Objectives: Educational Course Objectives: At the end of the elective, students will be expected to:

MK-1	1. Explain the vascular anatomy of the brain and central nervous system.
PC-9	2. Recognize acute stroke as an emergency and outline appropriate treatments.
PC-3	3. Demonstrate the ability to take a concise but appropriate neurovascular history.
PC-3	4. Perform a detailed neurovascular exam.
PC-7	5. Demonstrate ability to perform clinical stroke rating scales, including the NIH stroke scale, CHADS-2, ABCD scale, and others.
PC-7	6. Explain the benefits and risks of thrombolysis in the acute treatment of stroke.
PC-7	7. Explain the benefits and risks of cerebral angiography in evaluation of stroke patients.
MK-3	8. Explain the risks for neurovascular disease, including ischemic stroke, intracranial hemorrhage, and vascular anomalies.
PBL-7	9. Localize patient symptoms to the appropriate brain region(s) implicated in their production.

Professionalism: UT/COMLS students will meet or exceed the institutional standards for professionalism as stated in the current Competencies for Graduation.

Instructional Methods: Inpatient clinical teaching  
Neurovascular Case conference attendance

Evaluation Methods: Clinical Competency Evaluation

Prerequisites: Successful completion of required Neurology Clerkship and third year of medical school. Must be interested in Neurology or related discipline.

Clerkship Director: Dr. Ramsey Williams.  
Associate Clerkship Director: Dr. Mehmood Rashid

Clerkship Coordinator: Brandi Hendrickson  
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Special Requirements: Available only to students interested in Neurology or related specialties.

ECC Approved  
March 2022