

**Title of Clerkship:** Cardiothoracic Surgery

**Elective Type:** Fourth year elective

**Department:** Surgery

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

**Clerkship Site:** Sandusky, Ohio

**Course Number:** SURG 704

**Blocks available:** By request through the AHEC Center Office

**Number of students per block:** 1

**Faculty:** Anthony DeRiso, M.D.

**Elective Description/ Requirements:** Students will be given an individualized opportunity to participate in the activities of the Division of Cardiothoracic Surgery. Opportunities may be available for clinical experience in the operating room, in management of adult and pediatric cardiac surgical patients, or in clinical research. The focus will be the development of an understanding of the basic and clinical sciences as they pertain to cardiovascular surgical procedures and pulmonary resection.

**Length of Clerkship:** 4 weeks

**Links to Core Competencies**

IPC-1, IPC-2, PC-1, PC-2, PC-3, PC-4, PC-7, PC-8, MK-4, MK-7  
PC-2, PC-3, PC-7, PC-8, MK-1, MK-2, MK-7  
PC-1, PC-3, PC-7, PC-8, PC-10, MK-6  
PC-7, PC-8, MK-5, MK-7  
PC-8, PC-10, MK-2, MK-4, MK-7  
PC-6, MK-7

PC-2, PC-3, PC-7, PC-8, MK-1, MK-2, MK-7  
PC-2, PC-3, PC-7, PC-8, MK-1, MK-2, MK-7

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

1. Obtain and document a surgical history and physical examination
2. Demonstrate an understanding of the indications for cardiothoracic surgical procedures
3. Demonstrate the ability to understand the important anatomic findings related to the various normal and pathologic conditions encountered on the service
4. Demonstrate an understanding of preoperative evaluation and postoperative ventilator management, pulmonary care, hemodynamic monitoring, pharmacologic cardiovascular treatment, and chest/mediastinal tube management
5. Appropriate use of imaging, endoscopic, and diagnostic modalities and recognition of abnormalities
6. Demonstrate an understanding of common mechanisms of disease related to acquired cardiovascular disease
7. Demonstrate an understanding of the key steps of procedures performed while on the service
8. Demonstrate an understanding of nutritional assessment and ventilator management
9. Demonstrate an understanding of the basic science of wound healing and wound management

**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 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 observation
3. Professional assessments
4. Attendance
5. Case write up

**Prerequisites:** Successful completion of Yrs 1 & 2, successful completion of Surgery clerkship, and a passing score of USMLE Step 1.

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**Clerkship Director:** David Heidt, M.D.

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

**Special Requirements:** Participation in night call is recommended because many cases come in after hours. A call schedule may be arranged per individual faculty member.