

Title of Clerkship: Cardiothoracic Surgery

Elective Type: Third 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

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

IPC-1, IPC-2, PC-1,
PC-2, PC-3, PC-4

1. Obtain and document a surgical history and physical examination

PC-7, PC-8, MK-4,
MK-7

2. Demonstrate an understanding of the indications for cardiothoracic surgical procedures

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

3. Demonstrate the ability to understand the important anatomic findings related to the various normal and pathologic conditions encountered on the service

PC-1, PC-3, PC-7,
PC-8, PC-10, MK-6

4. Demonstrate an understanding of preoperative evaluation and postoperative ventilator management, pulmonary care, hemodynamic monitoring, pharmacologic cardiovascular treatment, and chest/mediastinal tube management

PC-7, PC-8, MK-5,
MK-7

5. Appropriate use of imaging, endoscopic, and diagnostic modalities and recognition of abnormalities

PC-8, PC-10, MK-2,
MK-4, MK-7

6. Demonstrate an understanding of common mechanisms of disease related to acquired cardiovascular disease

PC-6, MK-7

7. Demonstrate an understanding of the key steps of procedures performed while on the service

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

8. Demonstrate an understanding of nutritional assessment and ventilator management

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

9. Demonstrate an understand 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.

Sandusky AHEC Cent

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Clerkship

Claudia Davis

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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.