

Title of Clerkship: Cardiothoracic Surgery
Elective Type: Fourth Year Medical Student Elective
Department: Surgery
Type of Elective: Clinical Non-Clinical/Research Basic Science

Clerkship Site: University Medical Center

Course Number: SURG 704

Blocks available: All

Number of students per block: 1

Faculty: Thomas Schwann, M.D. and Mark Bonnell, 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 Education Program Objectives and Educational Course Objectives for the Sponsoring Department.

**Instructional
Methods:**

1. Interpretation of lab data
2. Diagnostic tests/use and 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 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 will be arranged per individual.