

Cardiothoracic Surgery

SU 410.00

General Information

COURSE CHAIR: Dominic Emerson, MD

STUDENT COORDINATOR

E-MAIL: [Group Cardiac Surgery HI Med. Student Electives](#)

STUDENTS/PERIOD: Max: 2 Min: 1

DURATION: 3 weeks

Please visit our [VSLO](#) catalog for dates and to submit your application.

Description

The sub-internship is intended to provide the medical student with an experience in cardiac and thoracic surgery built on a foundation of general and vascular surgery, critical care, cardiology, cardiac anesthesia, and cardiac intervention, including structural heart. The curriculum and facilities are designed to expose students to the full range of cardiothoracic conditions, leveraging the very high institutional patient volume, expertise, and diverse teaching faculty. The student is expected to function at the level of a thoracic surgery Integrated PGY-1 trainee and be present for the first evaluation and management of patients in the ICU, outpatient clinic, and hospital wards. A daily follow-up of these patients' progress is expected, as well as attendance to cardiac procedures cases. Students will always be supervised by an attending surgeon or senior-level resident. In addition to attending all weekly didactic cardiothoracic lectures, the student will attend clinical rounds, monthly journal club, and monthly M&M conferences.

Course Objectives

1. Develop skills in evaluation, management, and documentation of consult patients from general surgery, emergency medicine, and internal medicine services.
2. Develop competence in completion of comprehensive, accurate, timely, and legible medical records.
3. Develop competence in use of information technology as it pertains to patient care.
4. Demonstrate competence in the development and execution of basic patient care plans, including obtaining informed consent and participating in developing the goals of care
5. Develop skills and competence in providing pre- and postoperative care
6. Develop skills in providing critical care to patients with thoracic and cardiovascular surgical disorders, including trauma patients.

Course Objectives (Cont.)

7. Develop skills in evaluation of basic diagnostic studies
8. Develop skills in diagnostic procedures which correlates the pathologic and diagnostic aspects of cardiothoracic disorders.
9. Interpreting simple imaging studies of the relating cardiac disorders (e.g., ultrasound, computed tomography, roentgenographic, radionuclide, cardiac catheterization, pulmonary function, and esophageal function studies).
10. Under supervision of an attending surgeon, participate in operative cases at the level appropriate for PGY-1 residents
11. Use of cardiac and respiratory support devices
12. Develop skills in Critically evaluating scientific and medical literature and ability to integrate knowledge of the literature into clinical care

Student Experiences

COMMON PROBLEMS/DISEASES:

- Coronary artery disease
- Aortic stenosis
- Aortic dissection
- Aortic aneurysm
- Mitral valve disease
- Heart failure
- Lung failure

INPATIENT: 70%

OUTPATIENT: 30%

CONSULTATION: 70%

PRIMARY CARE: 30%

CLOSE CONTACT WITH:

- Patients
- Attending surgeons
- Other trainees on service
- RNs
- NPs
- PAs and other medical staff

Additional Information

Possible on-call schedule