

# Intensive Care Unit, Cardiac Surgery

AN 410.99

## General Information

**COURSE CHAIR:** Roya Yumul, MD

**STUDENT PROGRAM COORDINATOR:** Dominic Leis  
Dominic.Lesi@cshs.org

**STUDENTS / PERIOD:** max 1

**DURATION:** 3 to 4 weeks

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

## Requirement(s)

1. Complete the Anesthesiology Questionnaire
2. Complete all core clinical rotations

## Description

This is an intensive care unit (ICU)-based service that focuses on the immediate postoperative medical management of patient's undergoing cardiac surgery. Students have the opportunity to observe various cardiac surgical cases and continue their care in the ICU postoperatively. Students will work closely with residents, full-time faculty, cardiology fellows, and cardiac surgeons every day. The primary emphasis will be hands-on patient care and procedures with in-depth consideration of physical findings and laboratory testing. Students will also be introduced to various mechanical circulatory support devices. Students will attend lectures on various ICU and cardiology topics.

## Course Objectives

1. Students should be able to perform a focused history of physical exam pertinent to patient's medical problems
2. Students should be able to present a concise complete overview of a patient along with their associated acute and chronic medical issues.
3. Students should be able to interpret data from various monitoring devices and laboratory test to guide diagnosis and therapy
4. Students should be familiar with a mechanical ventilator and various ventilation strategies
5. Students should be familiar with common procedures performed in the ICU
6. Students should be able to analyze own performance and identify areas of improvement and implement changes to enhance patient care
7. Students are expected to be able to appraise and assimilate scientific evidence and use it to investigate, evaluate, and improve care for their patients.
8. Students are expected to demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.

## Course Objectives (Cont.)

9. Students are expected to demonstrate behavior that reflects commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to patients of diverse backgrounds.
10. Students are expected to demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.

## Student Experiences

### COMMON PROBLEMS/DISEASES

- Coronary artery disease
- Valvular heart disease
- Arrhythmias
- Congestive heart failure
- Anticoagulation/Bleeding
- Sepsis, renal failure, pulmonary complications
- Anemias
- Drug interaction
- Mechanical circulatory support device

**INPATIENT:** 100%

**PRIMARY CARE:** 100%

### CLOSE CONTACT WITH

- Full-Time Faculty
- Clinical Faculty
- Residents/Fellows

## Intensive Care Unit, Cardiac Surgery

### Typical Schedule

Approx. # of Patients Evaluated/Week by Student	5
Approx. # of Patients Eval./Each Week by Service	40
Typical Monday	6am Preround on post open heart surgical patients 7am Rounds with Cardiac surgeons 8am Work Rounds with intensivist and nursing staff 3pm Afternoon rounds with intensivist
Typical Tuesday	7am Preround on patients 8am Work rounds with intensivist and nursing staff 3pm Afternoon rounds with intensivist
Typical Wednesday	6am Preround on patients 6:45 Grand Rounds Lecture 8am Work rounds with intensivist and nursing staff 9pm Afternoon rounds with intensivist
Typical Thursday	7am Preround on patients 8am Work rounds with intensivist and nursing staff 3pm Afternoon rounds with intensivist
Typical Friday	7am Preround on patients 8am Work rounds with intensivist and nursing staff 3pm Afternoon rounds with intensivist
On-Call Schedule	NONE
Weekend Activities	NONE
Additional Comments/Special Requirements	NONE