Intensive Care Unit, Cardiac Surgery
AN 410.99

General Information

COURSE CHAIR: Roya Yumul, MD

STUDENT PROGRAM COORDINATOR: jeanne.lloyd@cshs.org

STUDENTS / PERIOD: max 1

DURATION: 3 or 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.
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
1. Coronary artery disease
2. Valvular heart disease
3. Arrhythmias
4. Congestive heart failure
5. Anticoagulation/Bleeding
6. Sepsis, renal failure, pulmonary complications
7. Anemias
8. Drug interaction
9. Mechanical circulatory support device

INPATIENT: 100%

PRIMARY CARE: 100%

CLOSE CONTACT WITH
1. Full-Time Faculty
2. Clinical Faculty
3. Residents/Fellows
# Intensive Care Unit, Cardiac Surgery

## Typical Schedule

<table>
<thead>
<tr>
<th>Approx. # of Patients Evaluated/Week by Student</th>
<th>5</th>
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<tbody>
<tr>
<td>Approx. # of Patients Eval./Each Week by Service</td>
<td>40</td>
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**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