

Heart Failure & Transplantation

ME 410.99

General Information

COURSE CHAIR: Michelle M. Kittleson, MD, PhD

STUDENT COORDINATOR'S CONTACT INFORMATION

EMAIL: [Group Cardiology HI Med. Student Electives](#)

STUDENTS/PERIOD: Max: 2 Min: 1

DURATION: Three weeks

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

Description

Students will gain an understanding of the physical examination, diagnosis- and management of patients with advanced heart failure, inkling the role of evidence-based therapies, pulmonary artery catheterization-and heart transplantation. They will also learn to manage the long-term complications of patients post heart transplantation.

Course Objectives

1. Gain knowledge in the pathophysiology, natural history, appropriate diagnostic evaluation, and therapeutic approach to heart failure.
2. Demonstrate proficiency in the physical exam findings of decompensated heart failure.
3. Apply evidence-based medicine to the treatment of decompensated heart failure.
4. Use hemodynamic data from pulmonary artery catheterization to guide therapy of patients with decompensated heart failure or heart transplant rejection.
5. Develop a basic understanding of the interpretation of echocardiogra.ms, pulmonary artery catheterization, and coronary angiogra.ms.
6. Identify the indications and contraindications to heart transplantation.
7. Understand the pharmacology of immunosuppression therapy and treatment of heart transplant rejection.
8. Gain knowledge of the common short - and long - term complications of heart transplantation.

Student Experiences

COMMON PROBLEMS/DISEASES:

- Acute decompensated heart failure
- Cardiac arrhythmias
- Myocardial infarction
- Heart transplant rejection
- Opportunistic infections after transplantation

INPATIENT: 100%

OUTPATIENT: 0%

CONSULTATION: 10%

PRIMARY CARE: 90%

CLOSE CONTACT WITH

- Full-time faculty
- Clinical faculty
- Fellows
- Residents
- Interns
- Nurse practitioners and pharmacists

Cardiology: Heart Failure & Transplantation

Typical Schedule

Approx. # of Patients Evaluated Each Week by Student	10-15
Approx. # of Patients Evaluated Each Week by Service	50-70
Typical Monday	7:30 a.m. – Pre-rounds with resident/intern 9-10:30 a.m. – Rounds with attending and fellow 10:30-11 a.m. – Didactic teaching with attending 11 a.m.- noon – Follow up Noon-1 p.m. – Noon conf. 1-4 p.m. – Admissions, follow up of patients, bedside teaching with fellow, review of studies 4-5 p.m.- Sign-out rounds with resident/fellow
Typical Tuesday	7:30 a.m. – Pre-rounds with resident/intern 9-10:30 a.m. – Rounds with attending and fellow 10:30-noon – Follow up of patients noon-1 p.m. – Noon conf. 1:00- 4 p.m. – Admissions, follow up of patients, bedside teaching with fellow, review of studies 4-5 p.m. – Sign out rounds with resident/fellow
Typical Wednesday	7:30 a.m. – Pre-rounds with resident/intern 9-10:30 a.m. – Rounds with attending and fellow 10:30-11 a.m. – Didactic teaching with attending 11 a.m.-noon – Follow up noon- 1 p.m. – Noon conf. 9- 4 p.m. – Admissions, follow up of patients, bedside teaching with fellow, review of studies 4-5 p.m. – Sign-out rounds with resident/fellow
Typical Thursday	7:30 a.m. – Pre-rounds with resident/intern 9-10:30 a.m. – Rounds with attending and fellow 10:30 a.m.-noon- Follow up of patients noon-1:00 p.m. – Noon conf. 9- 4 p.m. – Admissions, follow up of patients, bedside teaching with fellow, review of studies 4- 5 p.m. – Sign out rounds with resident/fellow
Typical Friday	7:30 a.m. – Pre-rounds with resident/intern 9-10:30 a.m. – Rounds with attending and fellow 10:30-11 a.m. - Didactic teaching with attending 11- noon - Follow up 12pm - 1 p.m. - Noon conf. 1-4 p.m. - Admissions, follow-up of patients, bedside teaching with fellow, review of studies 4- 5 p.m. - Sign-out rounds with resident/fellow
On-Call Schedule	NONE
Weekend Activities	One weekend day per week
Additional Comments/Special Requirements	NONE