Heart Failure & Transplantation
ME 410.99

General Information

COURSE CHAIR: Michelle M. Kittleson, MD, PhD

STUDENT COORDINATOR’S CONTACT INFORMATION
PHONE: 310-423-5161 *Email: GroupMedicineEducationAdmin@cshs.org

STUDENTS/PERIOD: Max: 2 Min: 1

DURATION: Three weeks

Please visit our VSLO catalog for dates and to submit your application.

Requirement(s)

- USMLE Transcript of Scores

Description

Students will gain an understanding of the physical examination, diagnosis- and management of patients with advanced heart failure, including 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

- Gain knowledge in the pathophysiology, natural history, appropriate diagnostic evaluation, and therapeutic approach to heart failure.

- Demonstrate proficiency in the physical exam findings of decompensated heart failure.

- Apply evidence-based medicine to the treatment of decompensated heart failure.

- Use hemodynamic data from pulmonary artery catheterization to guide therapy of patients with decompensated heart failure or heart transplant rejection.

- Develop a basic understanding of the interpretation of echocardiogram.s, pulmonary artery catheterization, and coronary angiogram.s.

- Identify the indications and contraindications to heart transplantation.

- Understand the pharmacology of immunosuppression therapy and treatment of heart transplant rejection.

- 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%

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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Approx. # of Patients Evaluated Each Week by Student</strong></td>
<td>10-15</td>
</tr>
<tr>
<td><strong>Approx. # of Patients Evaluated Each Week by Service</strong></td>
<td>50-70</td>
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</tbody>
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| **Typical Monday** | 7:30 a.m. - Pre-rounds with resident/intern  
9:00-10:30 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  
9:00-10:30 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  
9:00-10:30 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 Thursday** | 7:30 a.m. - Pre-rounds with resident/intern  
9:00-10:30 a.m. - Rounds with attending and fellow  
10:30 a.m.-noon - Follow up of patients  
noon-1:00 p.m. - Noon conf.  
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 Friday** | 7:30 a.m. - Pre-rounds with resident/intern  
9:00-10:30 a.m. - Rounds with attending and fellow  
10-11 a.m. - Didactic teaching with attending  
11-noon - Follow up  
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 |