

ELECTIVE NAME:

Cardiology

COURSE NO:

MED 611

PREREQUISITE:

Required Medicine Clerkship

INSTITUTION:

Spectrum Health Butterworth
Spectrum Health Blodgett
Saint Mary's Health Care

OBJECTIVES:

The student should be able to take a detailed cardiovascular history and perform a good cardiovascular physical examination. The student will be able to detect symptoms and physical findings of congestive heart failure, hypertensive ischemic and valvular heart disease, as well as cardiomyopathies. The student will be introduced to concepts of cardiac hemodynamics as they are assessed in the coronary care unit and in the catheterization laboratory and should be able to correlate these findings with cardiac symptoms, physical findings and electrocardiograms. The student should be able to recognize enlargement of great vessels and heart chambers, and signs of pulmonary venous congestion. The student should be able to recognize the major electrocardiography abnormalities.

DESCRIPTION:

This elective will offer students the opportunity to assist and observe in the care and management of cardiac patients. When possible, they will have the opportunity to watch swan ganz catheterization and, when available, cardiac catheterization. They will also observe and participate in noninvasive procedures done by staff cardiologists. Students will learn to perform a complete clinical evaluation and be able to discuss findings in detail with the faculty. Students will follow patients regularly in both inpatient and outpatient settings, will attend weekly conferences, and will do work-ups on a referral basis. The major emphasis will be on clinical skills of history taking and physical examination, management of patients with heart disease, and an understanding of normal and abnormal cardiac hemodynamics. Upon completion of the elective, the student should be able to differentiate normal and abnormal electrocardiograms.

Inpatient: 40-60%; Outpatient 40-60%.

EVALUATION:

Preceptor(s) will be asked to submit a written evaluation at the conclusion of the clerkship. Faculty are encouraged to provide ongoing feedback throughout elective rotations.