

## CARDIOLOGY

### I. Descriptive Information

Title: MED 545-C Cardiology  
Department: MEDICINE  
Pre-requisite: Credit in MED 532  
Duration: 2 or 4 weeks  
Number of Students: 1 per location  
Locations: Various  
Elective Director: Florence Kan, M.D.  
Elective Coordinator: Julieta Rajlevsky

### II. Objectives

The student will develop in-depth skill in obtaining a cardiovascular history, and performing physical examinations relevant to cardiovascular disease. He/she will identify the appropriate database for the most important manifestations of commonly encountered cardiovascular diseases. The student will increase his/her skill in interpreting electrocardiograms as part of the evaluation of patients with heart disease and will gain familiarity with other specialized procedures utilized in evaluation and measure of patients with cardiovascular disease, including: exercise stress testing, echocardiography, cardiac catheterization and coronary interventions. The student will acquire knowledge of the methods of management of patients with cardiovascular disease particularly coronary disease, heart failure and arrhythmias.

### III. Methods

Students working with a single cardiologist will see both inpatients and outpatients, make rounds with the attending cardiologist, aid in performance of non-invasive testing (including treadmill stress testing and echocardiograms) and observe invasive procedures (such as cardiac catheterization and interventions, electrophysiologic testing) when appropriate. Attention will be given to preventive cardiology and how social and economic factors interplay in the patient's disease and response to treatment.

Students on the Queen's Medical Center Inpatient Cardiology Service will participate in the care of inpatients on the Cardiology service. Students will be supervised by internal medicine residents, cardiology fellows, and Queen's cardiologists. Students will participate as part of a multidisciplinary team in the evaluation and treatment of inpatients with cardiovascular diseases. They will also be exposed to diagnostic cardiac testing and interventional cardiology. Formal bedside teaching rounds will occur at least three times weekly. In addition to these teaching rounds, students will be expected to attend a weekly Core Curriculum conference and a weekly Cardiac Imaging conference. Students will not be required to take in-house call but will be expected to admit at least one patient during the team's in-house call rotation every fifth night.

### IV. Evaluation

1. Observational evaluation by the supervising physicians will assess the student's medical knowledge, clinical skills, and professionalism
2. To obtain credit for this elective, all students must submit the following:
  - a. Student Evaluation of Elective
  - b. Student Evaluation of Teachers

V. Non-University of Hawaii medical students may be accepted on a space-available basis.