

Requires Course Director Approval

Faculty In Charge Of Course:	Biswajit Kar, MD
Participating Faculty:	Drs. Sriram Nathan, Brian Walton, Sachin Kumar, Marwan Jumean, Maria Patarroyo, Carlos Manrique, Anju Bhardwaj, Aamir Abbas, Sakhdeep Basra
Location:	Memorial Hermann Hospital
Offered:	Blocks 1, 3-11 and 13
Max. # Students/Period:	4

Course Objective

1. The student will learn how common and important cardiac conditions are diagnosed and treated in adults. The student will become familiar with the pathophysiology of heart failure and heart disease and will learn about current medical, interventional and surgical therapies for these conditions.
2. The student will become to be familiar with follow-up care, continuing care, and alternative heart failure therapies.
3. The student will learn the aspects of a referral based relationship between the referring provider and the consulting provider. The student will be trained on developing rapport with community providers and the keys to establishing a therapeutic relationship between patient and physician.
4. The student will learn to present information in a clear, concise, and organized manner while creating and presenting a diagnostic and therapeutic approach to a patient with advanced heart failure.
5. The student will learn to conduct a focused history and physical examination appropriate for patients with complex cardiac diseases.
6. The student will learn about the different circulatory support devices and alternative therapies for patients with heart failure.

Material Covered:

This elective will introduce students to the Advanced Heart Failure and Transplant specialty, diagnostic and interventional catheterization procedures, non-invasive studies (echocardiography, EKGa, and stress testing), rounding on inpatient services and consulting on outpatients (including pre and post-operative cardiac surgery patients), and alternative therapies available to heart failure patients. This elective will also introduce the student to the type of multispecialty care that is provided to a large number of patients with advanced and complex cardiac conditions.

Skills Acquired:

Students will acquire the skill of providing a thorough history and physical examination on patients with advanced heart failure, pre-operative and/or post-operative patients.

Activities Of Elective

Number Of New Patients/Student/Week: 15-20

Responsibilities Of Student For Assigned Patients:

Does history/physical:	Yes
Who critiques:	Faculty
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Faculty
Does student see ambulatory patients:	Yes

Procedures	Observe	Perform
Stress Test	X	
Electrocardiograms	X	X
Cardiac Catherization	X	
Cardiac Surgery	X	
Heart Transplantation	X	

Scheduled Duties of Student:

Frequency of rounds on patients	Daily
Presents patients to preceptor or attending physician	Yes
Weekly schedule of required teaching sessions	<ol style="list-style-type: none"> 1. Two hour daily teaching rounds 2. Three hours every other day clinic observation 3. One hour daily diagnostic teaching 4. One hour daily of didactic lectures and meetings

Describe Optional Rounds And Activities, If Any:

Availability to stress test, diagnostic and interventional procedures, echocardiogram and transplantation.

Other Required Activities:

	Reading/review of current literature	Yes
	Writing or presenting a paper	No

How Is Student Evaluated:

The faculty in accordance with our objectives, attendance, participation in departmental lectures, clinical assignments, will evaluate student and their fundamental knowledge gained during the course of this elective. Written feedback will be required from faculty mid-rotation.

Who Evaluates Students:

Faculty

Unique Features Of This Elective:

Exposure to a multidisciplinary approach to the treatment of complex cardiac disease and transplant patients.