

FOURTH YEAR ELECTIVE TITLE CARDIOLOGY		COURSE NUMBER MED 9039	LOCATION ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL
ELECTIVE DIRECTOR James Coromilas, MD	ELECTIVE FACULTY Dr. Issam Moussa Dr. Abel Moreyra Dr. Tudor Vagaonescu Dr. Bobby Ghosh Dr. Richard Cytryn Dr. Daniel Shindler Dr. Sabha Bhatti Dr. Abdul Hakeem	ELECTIVE CONTACT James Coromilas, MD Or Fatima Meadows RWJMS MEDICINE	CONTACT PHONE/FAX/EMAIL PH. (732)235-8960 OR 7855 FAX (732) 235-8722 fatima.meadows@rutgers.edu james.coromilas@rutgers.edu
BLOCKS AVAILABLE ALL	DURATION/WEEKS MIN 4; MAX 8	HOURS PER WEEK 40	STUDENTS MAX 1
LECTURES/SEMINARS NO	OUTPATIENT YES	INPATIENT YES	HOUSESTAFF NO
NIGHT CALL NO	WEEKENDS NO	LAB NO	EXAM REQUIRED NO

OVERALL EDUCATIONAL GOAL OF ELECTIVE

To provide medical students with a broad overview of cardiology, cardiac subspecialties, and cardiovascular procedures.

OBJECTIVES

- Introductory exposure of the student to the different subspecialties of cardiology with focused training in the diagnostic and therapeutic approach to patients with cardiovascular disorders
- The student will have exposure to the performance of inpatient and outpatient general cardiovascular consultations, electrophysiology consultations, and heart failure consultations.
- The student will have exposure to the performance and interpretation of transthoracic and transesophageal echocardiograms, stress testing, cardiac catheterization, percutaneous coronary intervention, electrophysiology studies, defibrillator and pacemaker implantation and interrogation, tilt table testing, heart biopsies, and other specialized diagnostic procedures.

I. Patient care

To provide the student with an interactive rotation in both in and outpatient cardiology for the practice of diagnosis, development of a care plan, treatment options, health promotion and disease prevention of the cardiovascular patient.

II. Medical knowledge

To provide the student with exposure to the scientific method of problem solving, evidence based decision making, and a commitment to lifelong learning of established and evolving sciences. The student will then be expected to apply knowledge of established and evolving basic and clinical sciences to patient care.

OVER

III. Practice-based learning and improvement

The student is expected to incorporate formative evaluation feedback into daily practice so that they can investigate, evaluate and improve their patient care practices. Emphasis will be placed on the team approach to the delivery of patient care

IV. Interpersonal and communication skills

The student will learn to communicate effectively with patients, families, physicians, and other healthcare professionals. They will learn to provide effective consultation to healthcare professionals in an appropriate and timely manner while sustaining ethically sound professional relationships.

V. Professionalism

The student will learn the importance of demonstrating a commitment to continuous professional development, ethical practice, and responsible attitude towards patients and society. They will observe and learn compassion, integrity and respect for others, scientific and academic integrity, respect for patient privacy and autonomy across a broad range of cultural, socio-economical and professional backgrounds.

VI. Systems-based Practice

To teach the student to be aware of and responsive to the larger health care system, to incorporate cost awareness and risk-benefit analysis, and to help students understand, access and utilize resources to provide optimal medical care.

BRIEF DESCRIPTION OF ACTIVITIES

1. The student will spend 2 weeks on the inpatient general cardiology consultative service. He/She will be responsible for performing initial consultations and writing daily progress notes under the supervision of the cardiology fellow and attending.
2. The student will rotate through the echocardiography laboratory and have exposure to performance and interpretation of transthoracic and transesophageal echocardiograms, and stress echocardiograms. He/she will also take part in nuclear stress testing, including treadmill and pharmacological stress tests.
3. The student will rotate on the electrophysiology (EP) service. They will have exposure to EP consults as well as EP procedures (defibrillator/pacemaker implantation, ablation procedures, etc.)
4. The student will spend time in the cardiac catheterization laboratory in order to learn indications, contraindications, and complications of the procedure. They will observe diagnostic catheterization, percutaneous coronary interventions and other specialized procedures.
5. The student will rotate in the CCU/Heart failure services in order to be exposed to the care of critically ill and end stage cardiac patients. This will consist of 2 hours of bedside rounds in the CCU as well as rounds on the heart failure patients not in the ICU.
6. The student will attend daily didactic conferences. Morning report begins at 7:30 am followed by a one hour didactic session.
7. The student will attend an outpatient clinic session with the course director once a week in the clinical academic building.

METHOD OF STUDENT EVALUATION

The elective director will develop a composite evaluation based upon her personal observations as well as those of the cardiology fellows, other faculty members, and allied health professionals with whom the student has had contact. Evaluation will include assessment of ability to assemble data, conduct a physical examination, formulate an assessment and differential diagnosis, prepare a treatment plan, understand procedural indications, as well as interpersonal skills, and humanistic qualities.

ARE THERE ANY PREREQUISITES FOR THIS ELECTIVE? No

IS THIS ELECTIVE AVAILABLE TO THIRD YEAR MEDICAL STUDENTS AS WELL? No