UND School of Medicine & Health Sciences
University of North Dakota

Elective Description

Campus: Southeast (Fargo)
Elective/Experience Title: Cardiology
Location of Elective: Essentia Health – Fargo, ND

Department: Internal Medicine
Course Number: IMED 9220-01

Preceptor(s): Rory Farnan, MD; Saraswathy Manickavasagam, MD; Oludamilola Oluleye, MD; John Ragan, MD; Alok Saurav, MD

Period(s) Offered: All
Number of students per period: 1

Course prerequisites:
Revised Curriculum Phase(s): 2 & 3

Purpose: To provide education and experience in the care of adult patients requiring cardiology services.

Objectives: Following successful completion of this elective, the student will be able to:

1. Interpret EKGs and stress EKGs at a level consistent with a fourth-year medical student.
2. Perform and interpret an appropriate cardiovascular exam.
3. Describe the indications for stress tests and cardiac catheterization.
4. Participate in the performance of stress echocardiography.

Instructional Activities: During this elective, the student will be involved in/experience:

1. Cardiology hospital rounds and cardiology consultations.
2. Echocardiography laboratory.
3. Cardiac catheterization laboratory (coronary and vascular).
4. ICU and CCU rounds.
5. Cardiology clinic.

Criteria for Grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Evaluate through direct observation the student's skill at conducting ward rounds and consultations.
3. Evaluate the student's ability to perform a cardiac consultation, make an appropriate diagnosis and suggest therapy following discussion with faculty.
4. Evaluate through direct observation the student's ability to interpret EKGs.
5. Evaluate the student's knowledge of cardiology through discussions of selected patients, selected readings, and literature searches as directed by the preceptor.
6. Evaluate the student's written material including progress notes, histories and physicals, consultation notes and study interpretation.
7. Evaluate through direct observation the student's ability to communicate in a "360°" fashion
8. Evaluate through direct observation the student's skill in performing the procedures completed during the rotation.