

Cardiology Goals and Objectives

Medical Knowledge

The resident should be able to:

1. Fully understand the risk factors for cardiovascular disease and the proper preventive strategies and treatments.
2. Discuss the evaluation and management of the following scenarios:
 - a. Congestive heart failure
 - b. Acute myocardial infarction
 - c. Syncope
 - d. Arrhythmia
 - e. Valvular heart disease
 - f. Hypertension and hypertensive emergencies
 - g. Hyperlipidemia
 - h. Congenital heart disease Dissecting aneurysm
 - i. Cardiomyopathy
 - j. Rheumatic heart disease
 - k. Peripheral vascular disease
 - l. Endocarditis
 - m. Preoperative management for noncardiac surgery
 - n. Systemic diseases with cardiac involvement (e.g. lupus)
3. Understand the principles and usage of cardiovascular testing including:
 - a. Echocardiography
 - b. Exercise stress testing
 - c. Pharmacologic/Radioisotope stress testing
 - d. Cardiac catheterization and angiography
 - e. Electrophysiology studies
 - f. Angioplasty and stent placement
 - g. Cardioversion

Patient Care

The resident should be able to:

1. Give oral and written presentations to attending physicians in an organized, concise, accurate manner, including a differential diagnosis and management plan.
2. Demonstrate principles of patient autonomy, confidentiality and informed consent.
3. Develop and demonstrate the ability to work in an efficient organized manner in assessing and triaging patients according to urgency
4. Appropriately use and interpret laboratory findings, X-ray, electrocardiograms and rhythm strips in patient care.

Interpersonal Communication Skills

The resident should be able to:

1. Effectively communicate with attending physicians and other healthcare team members in coordinating comprehensive care for the patient.
2. Effectively communicate medical decisions and recommendations to colleague and patients.
3. Discuss and demonstrate strategies to discuss sensitive subjects with patients.
4. Demonstrate effective, compassionate and empathetic communications with patients and families while considering psychosocial, economic and cultural issues of care.

Systems Based Practice

The resident should be able to:

1. Demonstrate effective, compassionate, empathetic communication with patients and families while considering psychosocial, economic and cultural issues of care.
2. Utilize ancillary services to provide cost-effective and economically appropriate medical treatments.

Practice Based Learning and Improvement

The resident should be able to:

1. Appraise and assimilate scientific evidence to guide improvement in patient care
2. Incorporate formative evaluation and feedback into daily practice.
3. Use information technology to optimize learning.

Professionalism

The resident should be able to:

1. Present themselves professionally in regards to dress, punctuality, and interactions with patients, families and all medical care providers.
2. Demonstrate compassion, integrity and respect for others.
3. Demonstrate respect for patient privacy and autonomy.
4. Apply the principles of medical ethics to decision making.