

**Rotation:
Cardiology Consult Service**

Goals:

The resident will achieve patient care and medical knowledge competencies in the care of patients with common and emergent cardiologic problems.

Objectives:

By the end of the Cardiology Consult Service, PGY-1 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	SPECIALTY SPECIFIC OBJECTIVES			
	Demonstrate proficiency in obtaining a detailed history and a complete physical	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Interpret electrocardiograms.	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Employ risk stratification on patients with various presentations of coronary artery disease.	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Distinguish high risk from low risk findings on non-invasive tests	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Diagnose and manage a variety of cardiologic conditions	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
Medical Knowledge	SPECIALTY SPECIFIC OBJECTIVES			
Practice Based	SPECIALTY SPECIFIC OBJECTIVES			

Learning and Improvement	See General Internal Medicine Objectives for a comprehensive list.			
	Teach medical students effectively who are rotating on the service			
Interpersonal and Communication Skills	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Communicate effectively with referring physicians			
Professionalism	Prepare and present cases well on rounds and in conferences			
	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Maintain detailed, accurate, and legible medical records			
Systems-Based Practice				
	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			

By the end of the Cardiology Consult Service, PGY-2 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	SPECIALTY SPECIFIC OBJECTIVES			
	Demonstrate proficiency in obtaining a detailed history and a complete physical	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Interpret electrocardiograms.	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Employ risk stratification on patients with various presentations of coronary artery disease.	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Distinguish high risk from low risk findings on non-invasive tests	Clinical Teaching and Discussions	Multiple choice test	End of Rotation

		Self Directed Reading	ABIM global evaluation form	
	Diagnose and manage a variety of cardiologic conditions	Clinical Teaching and Discussions	Multiple choice test	End of Rotation
		Self Directed Reading	ABIM global evaluation form	
Medical Knowledge	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Teach medical students effectively who are rotating on the service			
Interpersonal and Communication Skills	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Communicate effectively with referring physicians			
	Prepare and present cases well on rounds and in conferences			
Professionalism	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Maintain detailed, accurate, and legible medical records			
Systems-Based Practice	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			

By the end of the Cardiology Consult Service, PGY-3 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	SPECIALTY SPECIFIC OBJECTIVES			
	Demonstrate proficiency in obtaining a detailed history and a complete physical	Clinical Teaching and Discussions	Multiple choice test	End of Rotation
		Self Directed Reading	ABIM global evaluation form	
	Interpret electrocardiograms.	Clinical Teaching and Discussions	Multiple choice test	End of Rotation

		Self Directed Reading	ABIM global evaluation form	
	Employ risk stratification on patients with various presentations of coronary artery disease.	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Distinguish high risk from low risk findings on non-invasive tests	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
	Diagnose and manage a variety of cardiologic conditions	Clinical Teaching and Discussions Self Directed Reading	Multiple choice test ABIM global evaluation form	End of Rotation
Medical Knowledge	SPECIALTY SPECIFIC OBJECTIVES			
Practice Based Learning and Improvement	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Teach medical students effectively who are rotating on the service			
Interpersonal and Communication Skills	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Communicate effectively with referring physicians			
	Prepare and present cases well on rounds and in conferences			
Professionalism	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			
	Maintain detailed, accurate, and legible medical records			
Systems-Based Practice	SPECIALTY SPECIFIC OBJECTIVES			
	See General Internal Medicine Objectives for a comprehensive list.			

Learning Venues:

1. The attending will provide an orientation at the beginning of the rotation, discuss each new case in detail and each old case with new developments, and observe and verify both the historical and physical examination findings elicited.
2. The attending will develop a list of topics for discussion on rounds including an overview of various diagnostic modalities with the pros and cons of each. The attending should discuss the findings of various tests with respective negative and positive predictive values.
3. The attending will review the notes written by the resident for clarity and completeness and discuss any deficiencies.

Reading List:

Acute Coronary syndromes

Gluckman TJ, Sachdev M, Schulman SF, Blumenthal RS.

A simplified approach to the management of non-ST -segment elevation acute coronary syndromes.
JAMA. 2005;293:349-57.

Sanchis J, Bodi V, Llacer A, Nunez J, Consuegra L, Bosch MJ, Bertomeu V, Ruiz V, Chorro FJ.
Risk stratification of patients with acute chest pain and normal troponin concentrations.
Heart. 2005;91:1013-1018.

Bugiardini R.
Risk stratification in acute coronary syndrome: focus on unstable angina and non-ST segment elevation myocardial infarction.
Heart. 2004;90:729-31.

Stable Angina

Abrams J.
Clinical practice. Chronic stable angina. N Engl J Med. 2005;352:2524-33.

Snow V, Barry P, Fihn SD, Gibbons RJ, Owens DK, Williams SV, Mottur-Pilson C, Weiss KB; American College of Physicians; American College of Cardiology
Chronic Stable Angina Panel.
Primary care management of chronic stable angina and asymptomatic suspected or known coronary artery disease: a clinical practice guideline from the American College of Physicians.
Ann Intern Med. 2004;141:562-7

Lee TH, Boucher CA.
Clinical practice. Noninvasive tests in patients with stable coronary artery disease.
N Engl J Med. 2001;344:1840-5.

Competency Evaluation:

1. An end-of-rotation multiple choice test will be administered to evaluate patient care and medical knowledge.
2. The ABIM global evaluation form will be completed by the attending and reviewed by the resident to assess all six competencies. This is a good opportunity for feedback.

Outcomes Assessment:

The national in-service examination will be used to provide both the individual resident and the cardiology division with feedback on the rotation. A score of 50%ile or better for each resident is a reasonable goal.