

Rotation Name: Cardiology - Consults**Rotation Site Leader: Josh Beckman, Holly Gonzalez****Updated by: Benjamin Palmer, Josh Beckman****Date: 1/17/22****Goal:**

The purposes of this educational unit are to:

- Understand the principles of cardiovascular disease in the setting of other severe systemic illness
- Become an effective consultant
- Collaborate and communicate effectively with colleagues in radiology, surgery, anesthesia, pulmonology, and OBGYN
- Synthesize data from the patient history, examination, and laboratory results and provide appropriate medical recommendations to consulting services

Objectives:**Patient Care**

- Perform a focused history and physical exam with regards to active and past cardiovascular disease and risk factors
- Integrate cardiovascular care into a whole-patient medical illness environment
- Efficiently review and compile prior cardiovascular testing to synthesize a complete understanding of a patient's cardiovascular history

Medical Knowledge

- Recognize and manage atrial fibrillation including control of rapid ventricular response and timing of anticoagulation initiation
- Determine appropriate testing for evaluation of patients with suspected or known ischemic heart disease
- Perform peri-operative evaluation and management of cardiac risk factors and disease
- Evaluate and manage pregnancy related cardiac complications
- Understand the systemic nature of vascular disease
- Manage and appropriately modify cardiovascular risk factors

Interpersonal and Communication Skills

- Master the presentation of a patient with complex multi-system disease with special attention to a patient's cardiovascular history and risk factors
- Develop an ability to field a consult and ask relevant questions in order to ensure an accurate understanding of the clinical picture and question
- Clearly communicate consultant recommendations to the primary team

Professionalism

- Demonstrate professionalism and respect for colleagues when serving as the consulting team
- Provide recommendations and documentation in a timely manner to advance patient care

Systems based practice

- Recognize the need for specialty follow up and schedule in a time appropriate manner

Practice-based learning and improvement

- Develop confidence reviewing primary literature and incorporating findings into clinical decision making

- Further knowledge of society guidelines and when to apply these clinically

By the end of this educational block, learners in this rotation will be able to:

[Objectives should be SMART :]

- *Specific (defined)*
- *Measurable (at the end of the rotation, can you say yes or no that they accomplished the objective)*
- *Achievable (possible within this 2 wk or 4 wk rotation or longitudinal block)*
- *Realistic (accomplishable)*
- *Time- sensitive (in this case... by the end of this rotation, or otherwise specified)*

Objectives should be organized by core competencies:

Patient Care

Medical Knowledge

Interpersonal and Communication Skills

Professionalism

Systems based practice

Practice-based learning and improvement

Educational Strategies:

Educational Strategy	Skills (taught and/or assessed)
Bed side rounds	Clinical Reasoning Presentation skills Cardiac auscultation Volume assessment
Didactic lecture (Cardiology noon conference)	Reading EKGs Cardiac imaging Electrophysiology

Suggested Reading and/or Resources:

Michaud, G. F., & Stevenson, W. G. (2021). Atrial Fibrillation. In C. G. Solomon (Ed.), *New England Journal of Medicine* (Vol. 384, Issue 4, pp. 353–361).

2021 AHA/ACC/ASE/CHEST/SAEM/SCCT/SCMR Guideline for the Evaluation and Diagnosis of Chest Pain: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines

Manual of Cardiovascular Medicine, Wolters Kluwer

Evaluation:

(Ideally, the evaluation items below resemble the learning objectives above)

Assessment Form:

1. Please identify 3 skills you observed the resident do well? (Text Box)
2. Please identify 3 skills the resident needs to improve or should do differently. How should they do it differently? (Text Box)

(Ideally, limit to 8-10 skills that you ask your faculty to assess)

For the remaining items, please rate 1-5 (or did not observe):

1 = cannot do this skill

2 = can do this skill only with direct supervision (some needs to be there to supervise)

3 = can do this skill with indirect supervision (an attending or fellow is close by or available by phone)

4 = can do this skill unsupervised (they are ready to graduate for this skill)

5 = has achieved mastery of this skill (They can teach others how to do this skill well)

1. Compile a comprehensive cardiovascular history and present to the team in a concise manner
2. Accurately describe a cardiovascular exam and incorporate this into clinical decision making
3. Recognize and manage atrial fibrillation with rapid ventricular response
4. Perform an assessment of a patient's ischemic heart disease and recommend appropriate testing
5. Complete a pre-operative assessment of cardiovascular risk
6. Communicate assessment and recommendations clearly and professionally with the primary team
7. Review primary cardiology literature and incorporate into clinical decision making
8. Determine need for cardiovascular specific follow up and implement this in a time appropriate fashion

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