

**Rotation Name: Cardiology – VA CCU**  
**Rotation Site Leaders: Dave Meoli**  
**Updated By: Lee Richardson**  
**Date: Updated with 2.0 mapping 7/3/2021 (sm)**

**Goals:**

The purposes of this educational unit are to:

- Provide broad clinical exposure on the diagnosis and management of advanced cardiovascular disease in a critical care setting
- Provide clinical experience and guided coaching in managing complex patients requiring coordination of multidisciplinary care
- Provide instruction to learners on how to incorporate evidenced based medical therapies into the care of critically ill patients
- Develop skills in leading and presenting effectively during multi-disciplinary rounds

**Objectives:**

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

**Patient Care**

- Identify core cardiovascular problems via history, physical examination, laboratory, and ancillary studies while demonstrating sensitivity and responsiveness to a diverse patient population, including but not limited to diversity on gender, age, culture, race, religion, disabilities, and sexual orientation.
- Perform accurate assessments of patient vascular volume status and understand how it is related to vascular pressure in individual patients and disease states
- Consistently recognize, prioritize, and address the daily care tasks of managing critically ill patients
- Recognize the indications for pulmonary artery catheter or arterial line placement and to perform the procedures under direct supervision
- Institute therapies for cardiogenic shock and recognize timing of cessation and transition of these therapies
- Recognize and select management strategies for patients with acute life-threatening arrhythmias
- Prescribe evidenced-based pharmacologic therapies for patients present with acute coronary syndrome

**Medical Knowledge**

- Interpret electrocardiograms and incorporate findings into patient care management

- Interpret findings from left/right heart catheterizations and pulmonary artery catheters while incorporating these data into patient care management
- Interpret findings from advanced studies (cardiac imaging, exercise studies, etc...) and incorporate these data into patient care management

Interpersonal and Communication Skills

- Direct goals of care conversations in patients with critically ill cardiovascular disease

Professionalism

Systems-Based Practice

- Leverage the combined resources of a multidisciplinary care team to provide effective and efficient care to a complex patient

Practice based learning and improvement

**Educational Strategies:**

Educational Strategy	Skills (taught and/or assessed)
<i>For example:</i> Bed side rounds	Clinical Reasoning Presentation skills Cardiac auscultation
<i>For example:</i> Didactic lecture	Reading EKGs Interpreting acid base disorders

**Required Reading:**

(references)

**Suggested Reading and/or Resources:**

(references, books, website, etc)

## Assessment Form

1. Please identify 3 skills you observed the resident do well (text box):
2. Please identify 3 skills you observed that the resident needs to improve, or that they should do differently. How should they do it differently?

(items 3 to 12 are evaluated in a 1-5 [or 'not observed'] scale)

1= cannot do the skill, can only observe

2= can do the skill with direct supervision

3= can do the skill with indirect supervision

4 = can do the skill unsupervised

5= they have mastered this skill, they are ready to teach other this skill

3. Prescribe evidenced-based pharmacologic treatment to patients with acute coronary syndrome. PC-4, MK-2, PBLI-1
4. Assess vascular pressure and volume status in patients with acute decompensated heart failure. PC-4, MK-3
5. Recognize and manage patients with acute decompensated heart failure (including the use of hemodynamic data to assist in management strategies.) PC-4, MK-1,2, and 3
6. Manage the care of patients with life-threatening arrhythmias. PC4, MK-2
7. Consistently recognize, prioritize, and address the daily care tasks of managing critically ill patients. PC-4, SBP-2, MK-2
8. Recognize and manage common post-procedural complications (after interventional and EP procedures.) PC-4, MK-3
9. Lead and present effectively during multi-disciplinary rounds. ICS-2
10. Demonstrate effective communication with patients and families by using shared decision making and closed loop communication skills in developing care plans. ICS-1, PROF-1
11. Appraise one article (original research or a review paper pertinent to cardiovascular medicine) and incorporate knowledge into patient care. PBLI-1, PC-4, MK-1 and 2
12. Demonstrate sensitivity and respect for the privacy, autonomy, and diversity (including but not limited to diversity on gender, age, culture, race, religion, disabilities and sexual

orientation) of patients and families during procedures, daily updates and discussions regarding goals of care. PROF-1 and 2, ICS-1