

UCLA-OLIVE VIEW INTERNAL MEDICINE RESIDENCY  
**RONALD REAGAN-UCLA CARDIAC CARE UNIT (CCU)  
CURRICULUM**

Target: PGY 1-3  
Updated September 2018

**A. EDUCATIONAL OVERVIEW**

The Cardiac Care Unit (CCU) is a rigorous clinical training experience that extends training in cardiology and critical care at a quaternary care center.

**B. ROTATION DESCRIPTION AND STRUCTURE**

The clinical rotation is based at Ronald Reagan-UCLA Medical Center. Interns (PGY-1) and residents (PGY-2/3) rotate on this service for 2-4 weeks at a time. Trainees integrate into a team consisting of an attending physician, fellow, resident, and intern to provide direct patient care throughout the patient's hospitalization in the CCU or Cardiac Observation Unit (COU). Trainees will take regular call to admit patients, and duty hours are designed to be compliant with the Residency Review Committee (RRC) requirements. Specific orientation materials will be provided by the sponsoring Internal Medicine program at UCLA.

**C. GOALS & OBJECTIVES**

The goals and objectives are assigned according to the level of training. Trainees are expected to demonstrate competency of each of these objective to demonstrate successful completion of this assignment.

**1. Objectives for Interns (PGY-1)**

At the completion of this rotation, interns will be able to:

- Gather relevant historical information and perform a relevant medical interview and examination of critically ill patients. (PC1)
- Formulate differential diagnoses and outline a plan for evaluating and managing patients admitted to the MICU. (PC1, MK1)
- Demonstrate organizational skills necessary for the care of critically ill patients, including prioritization of patient problems and use of information technology. (PC2, PBLI4, PROF2)
- Efficiently and effectively chart daily progress notes in the medical record. (PROF2, ICS3)
- Effectively cross-cover patients when other team members are not available. (PC3, PROF1/2, ICS2)
- Appropriately seek consultation and diagnostic testing. (PC1/3/5, MK1, SBP1)
- Describe the indications for hemodynamic and electrophysiology monitoring, and use measurements obtained from PA catheters to support management decisions. (MK1, PC1/2)
- Identify and develop a management plan for complications of circulatory disturbances, including renal failure, respiratory failure, and hepatic failure. (PC2)
- Explain the roles and responsibilities of interdisciplinary team members, including nurses, social workers, and case managers, and engage these team members effectively to advance and enhance the care of patients. (ICS2, SBP1)

- Participate in family meetings and discuss withdrawal of care when indicated. (PROF1/3, ICS1, SBP1)
- Explain the discharge/transfer plan, including selection of an appropriate level of care. (PC2, SBP1/4)
- Describe the indications and risks, as well as perform the following procedures: venipuncture, arterial puncture, arterial line placement, central venous catheter placement, urgent cardioversion and defibrillation. (PC4, MK2)

## **2. Objectives for Residents (PGY-2/3)**

In addition to the competencies expected for interns, the resident should be able to:

- Manage the team effectively to deliver patient care, including demonstrating organization skills, effective communication, and leadership. (PC3, SBP1, ICS2)
- Engage multidisciplinary team members effectively to advance and enhance the care of patients. (PC2/3, ICS2, PROF1, SBP1)
- Direct and engage in family meetings effectively, including eliciting understanding, delivering medical recommendations, and incorporating the values of the patient and/or family into the plan of care. (PROF1/3, ICS1)
- Competently perform the following procedures independently and supervise interns in the performance of these procedures for which the resident is certified: venipuncture, arterial puncture, arterial line placement, central venous catheter placement, urgent cardioversion and defibrillation. (PC3/4)

## **D. CORE TOPICS IN CRITICAL CARDIAC CARE**

The trainee is expected to explain the differential diagnosis, diagnostic approach, risk assessment, and appropriate treatment plan for the following conditions and diseases: (MK1)

- Chest pain
- Dyspnea
- Edema
- Syncope
- Acute Coronary Syndrome
- Acute Myocardial Infarction
- Acute Congestive Heart Failure
- Acute Cardiac Arrhythmia and Conduction Disturbances
  - Ventricular tachycardia and fibrillation
  - Supraventricular arrhythmias, including atrial fibrillation and flutter
- Cardiogenic Shock
- Cardiac Arrest
- Pulmonary Hypertension

In addition, trainees are expected to explain the indications for and interpret the following diagnostic studies: (MK1/2)

- Electrocardiogram (EKG)
- Chest x-ray
- Pulmonary artery catheter tracings
- Cardiac enzymes

Finally, trainees should also be able to explain the indications for the following procedures, and integrate the reported conclusions into the patient assessment and management: (MK2)

- Cardiac stress testing
- Cardiac event monitor
- Echocardiography
- Coronary angiography
- Cardiac PET
- Cardiac nuclear studies
- Cardiac catheterization
- Electrophysiologic study
- Tilt table testing

## **E. TEACHING METHODS**

Clinical education is provided through direct patient care and attending rounds with the supervising attending and fellow physicians. Interns and residents are expected to function as the primary provider of care for patients in the CCU and COU at this quaternary care center.

Additional education is provided through participation in resident-led journal club (review of original research articles) on weekday mornings.

The attending will conduct additional didactic lectures relating to critical care medicine at noon.

## **F. SUPERVISION AND EVALUATION**

All housestaff and patient care will be supervised by the attending physicians.

Residents will be evaluated by the supervising attending and fellow. Direct verbal feedback may be provided throughout the rotation, and written evaluation will be submitted electronically in MedHub at UCLA at the end of the rotation. These evaluations will be forwarded to Olive View, and can be reviewed by the resident and program.

## **G. EDUCATIONAL RESOURCES**

Electronic resources are also available through UCLA Health and UCLA.

- UpToDate
- Harrison's Principles of Internal Medicine
- PubMed
- UCLA Library