

**Harbor-UCLA Medical Center
GOALS & OBJECTIVES**

**MEDICAL INTENSIVE CARE UNITE (MICU)
Transitional Year Intern Rotation**

The **GOAL** of this rotation is to provide clinical experience with patients having critical illness in the Intensive Care Unit. At the conclusion of this rotation, residents will have gained insight into the diagnosis and management of critical illness, including the integrative role of the intensivist in the ICU and the function of a subspecialist in Respiratory and Critical Care Medicine. An approach to understanding pathophysiology is stressed rather than management of specific diseases. The importance of documentation is emphasized with a variety of techniques designed to maintain and facilitate communication between caregivers. The resident is given a great deal of responsibility for patient management, as well as supervision and guidance.

A. THE CLINICAL EXPERIENCE may include patients having:

1. acute respiratory failure (ARDS, COPD, asthma)
2. hypotension and shock
3. acute renal failure
4. fluid and electrolyte disturbances
5. diabetic ketoacidosis
6. acute hematologic problems (anemia, thrombocytopenia, leukopenia)
7. sepsis
8. acute neurological problems (stroke, altered mental status)
9. malnutrition and response to critical illness
10. hepatic failure
11. acute endocrinopathies (hypo- and hyperthyroidism, adrenal insufficiency)
12. severe pneumonia
13. malnutrition

Reading, discussion, and other educational activities should be directed at understanding the pathophysiology, clinical course, and management of the disorders listed under A.

B. Exposure to these PROCEDURES, including indications, contraindications, and complications, is likely on this rotation (although they may not be performed):

1. mechanical ventilation and weaning
2. airway management
3. ICU nutrition
4. portable CXR interpretation
5. central venous catheter placement
6. fluid and electrolyte management
7. hemodialysis

C. EDUCATIONAL RESOURCES available during this rotation include:

1. Work Rounds/Teaching Rounds with fellow and attending physician
2. ICU Teaching Conferences
3. ICU attending and ICU fellow
4. ICU nutrition rounds with dietitian
5. Respiratory and Critical Care Physiology and Medicine Grand Rounds (weekly)

D. During this rotation, SUPERVISION will be provided by:

1. Ward Resident
2. ICU Fellow
3. Ward Call resident
4. ICU Attending Physician

Competency-based Objectives of the MICU Rotation:

1. Patient Care

- demonstrates an effective approach to management of medical problems requiring admission to an ICU
- plans a diagnostic and therapeutic program for severely ill patients
- establishes priorities for evaluation and management of severely ill patients, including immediate support and response to critical changes
- performs an appropriate (general and focused) ICU-level medical history and physical examination
- performs the procedures likely to be encountered in taking care of ICU medical patients (including documentation of required
- procedures)
- writes appropriate admitting and daily orders based on diagnostic and therapeutic plans for critically ill patients

2. Medical Knowledge

- appropriate knowledge of pathophysiology, diagnosis, and treatment of critical illness
- can explain the complications of commonly used diagnostic tests and medical therapy in the critically ill
- demonstrates awareness of areas of needed improvement in critical care medicine knowledge
- understands the basics of mechanical ventilation, nutritional support, fluid and electrolyte management, and vasoactive drugs

3. Practice-Based Learning and Improvement

- shows appropriate use of consultation with medical and non-medical services, including special diagnostic studies
- uses evidence from the medical literature to answer clinical questions
- identifies areas for potential improvement in personal delivery of care

- maintains a positive attitude towards learning, including attendance and participation on rounds and conferences, and evidence
- of reading or other methods of gaining knowledge
- participates actively in teaching others, including students, residents, and faculty

4. Interpersonal and Communications Skills

- presents a patient effectively and efficiently, avoiding jargon, and concisely summarizing pertinent information and plans
- communicates with patients and concerned others effectively
- writes accurate, complete, and legible entries in the medical record
- works constructively as part of a team
- exchanges information effectively and efficiently during rounds that reflects critical issues and problems, current therapeutic plans, and expected complications and issues
- understands the impact of critical illness on patient and family, including medical ethical decision-making

5. Professionalism

- focuses on issues of appropriate and adequate pain management
- recognizes the importance of a patient's cultural, language, or family background and support
- recognizes important end of life issues, including decision-making and forgoing of care
- demonstrates respect and compassion for patients, including issues of informed consent
- consistently interacts with other health care workers in a professional manner

6. Systems-Based Practice

- appreciates the relationships between different levels of inpatient care, including general wards, progressive care, and ICU care.
- understands basic information about cost-effectiveness care in the ICU and knows where to seek further information
- demonstrates awareness of the outcomes of ICU care, including use for end-of-life care