

# TidalHealth

## Anesthesiology Residency Program

### Rotation Goals and Objectives

**GME Program:** Anesthesiology

**PGY Level:** PGY-1  
(CA-0)

**Rotation Name:** Critical Care Medicine

#### Patient Care

**Goal:** TidalHealth Anesthesiology residents must be able to provide patient care that is patient- and family-centered, compassionate, equitable, appropriate, and effective for the treatment of health problems and the promotion of health. TidalHealth Anesthesiology residents must be able to perform all medical, diagnostic, and interventional procedures considered essential for the area of practice relevant to the resident's chosen specialty.

**Objectives:** To meet the objectives of this rotation, residents should be able to:

1. Perform a history and physical examination for critically ill patients with oversight from the attending intensivist.
2. Review and interpret laboratory and imaging studies obtained from critically ill patients.
3. Identify the issues affecting an intensive care unit (ICU) patient and present them via a system-based approach.
4. Develop and present a plan for continued care of ICU patients via a systems-based approach, with oversight and input from the Attending and senior residents.
5. Determine when a critically ill patient's condition is deteriorating and seek further evaluation and assistance from senior staff.

#### Medical Knowledge

**Goal:** TidalHealth Anesthesiology residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, including both the process of scientific inquiry, and the application of this knowledge to patient care.

**Objective:** To meet the objectives of this rotation, residents should be able to:

1. Understand and apply a systems-based approach for presentation and assessment of patients within an ICU.
2. Explain normal and abnormal parameters for an array of patient data including:
  - a. Vital signs
  - b. Common laboratory studies, such as metabolic panels, blood counts, and coagulation studies
  - c. Electrocardiograms (EKGs)
  - d. Common imaging studies, including X-rays and computed tomography (CT) scans
3. Generate a differential diagnosis and plan for further assessment and treatment of common issues of ICU patients, including:

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### **Anesthesiology Residency Program**

#### **Rotation Goals and Objectives**

- a. Hemodynamic instability (such as hypotension, hypertension, or tachycardia) b. Oliguria
  - c. Severe pain
  - d. Mental status changes
4. Indicate symptoms and clinical findings suggesting a significant decline in a critically ill patient's condition.

#### **Professionalism**

**Goal:** TidalHealth Anesthesiology residents must demonstrate a commitment to professionalism and an adherence to ethical principles.

**Objective:** To meet the objectives of this rotation, residents should be able to:

1. Recognize urgency within critical care cases and proceed efficiently, while also acknowledging the needs of the patient, patient's family, and the perioperative team.
2. Model appropriate demeanor during adverse and emergent situations.
3. Act with sensitivity and responsiveness towards patients with different cultures, genders, ages, and abilities.
4. Maintain accountability to patients and the medical profession.
5. Adhere to the professional ethics in the medical field, respecting patient privacy, obtaining proper consent, and reviewing and confirming advanced directions.
6. Demonstrate a willingness to become a lifelong learner in the field of medicine and anesthesiology.

#### **Practice-Based Learning and Improvement**

**Goal:** TidalHealth Anesthesiology residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care via consistent self-evaluation and lifelong learning.

**Objective:** To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an understanding of a physician's role in the critical care team and discuss with the team any learning points gathered during adverse experiences.
2. Display proficient knowledge of common and complex medical complications that occur during anesthesia practice and critical care and educate junior residents on their evaluation and management.

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### **Anesthesiology Residency Program**

#### **Rotation Goals and Objectives**

3. Incorporate the use of information technology and assimilated current medical literature into practice as it relates to anesthesia.
4. Welcome constructive feedback from program faculty, ancillary staff, and patients.
5. Reflect on personal strengths and weaknesses and set goals to improve expertise in the field of anesthesia.

#### **Interpersonal and Communication Skills**

**Goal:** TidalHealth Anesthesiology residents must demonstrate interpersonal and communication skills that further the effective exchange of information and collaboration with patients, their families, and other health professionals.

**Objective:** To meet the objectives of this rotation, residents should be able to:

1. Demonstrate the ability to discuss the clinical status, goals of care, treatment plan, and risks and benefits of intended procedures with patients or their medical decision makers in the ICU.
2. Listen effectively to patients and families, answering questions and concerns relating to the clinical status and plan of care.
3. Engender a sound relationship with patients and the healthcare team to mitigate potential complications.
4. Explain complex medical scenarios to patients and families, including worsening of clinical status and poor prognosis, to patients and their families, and assist them in acquiring information to make their medical decisions.

#### **Systems-Based Practice**

**Goal:** TidalHealth Anesthesiology residents must recognize and respond to the larger context and system of health care, including the structural and social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care.

**Objective:** To meet the objectives of this rotation, residents should be able to:

1. Demonstrate an understanding of the system requirements needed to handle emergencies, including the use of radiologic studies and acute surgical or procedural interventions.
2. Advocate for and assist patients with obtaining quality healthcare services using existing system resources.
3. Evaluate the benefits of treatment options and their associated risks, costs, likelihood of success, and contributions to the patient's quality of health.
4. Recognize system deficits in clinical performance and patient safety, and advocate for changes to improve these when warranted.
5. Coordinate members of the critical care team to provide safe patient care.

**TidalHealth  
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