

TidalHealth

Anesthesiology Residency Program

Rotation Goals and Objectives

GME Program: Anesthesiology **PGY Level:** PGY-2 **Rotation Name:** General Anesthesia (CA-1)

Patient Care and Procedural Skills

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. Evaluate an ASA 1, 2, or 3 ("non-critically ill") patient for an uncomplicated case under level appropriate supervision.
2. Devise and execute a general anesthetic for non-critically ill patients undergoing a wide array of surgical operations and interventional procedures.
3. Employ common airway management techniques, including mask ventilation and endotracheal intubation, in straightforward airways.
4. Operate and interpret data from standard patient monitors and pressure transducers.
5. Accomplish peripheral and central intravenous cannulation and arterial lines under level appropriate supervision.
6. Estimate intravenous fluid requirements and administer to the patient in routine cases, under level-appropriate supervision.
7. Recognize and assess significant cardiovascular events while mitigating their impact to the patient.
8. Perform common regional and neuraxial anesthesia techniques and nerve blocks under level appropriate supervision.

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. Describe the basic functions of anesthesia machines and routine monitors and apply this knowledge to patient care.
2. Explain the effects, indications, pharmacological activity, and adverse effects of regularly used anesthetic drugs.
3. Perform a thorough patient history, physical examination, and review of past lab results and imaging studies to determine the anesthetic plan.

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4. Exemplify universal precautions of medical hygiene in the practice of anesthesiology.
5. Demonstrate an understanding of the indications and complications for the use of invasive hemodynamic monitoring, particular via arterial lines and central venous catheters. .
6. Describe an employ the fundamental aspects of the anesthetic management of patients undergoing an array of procedures, including general surgical, gynecological, orthopedic, otolaryngological, urologic, and vascular operations

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. Prioritize patient care responsibilities and accomplish tasks in a timely manner.
2. Identify ethical issues within the practice of Anesthesiology and investigate the best solution.
3. Express sensitivity and responsiveness to patient culture, beliefs, age, gender, and disabilities.
4. Accept responsibility and accountability for one's own actions and choices.
5. Apply the principles of physician wellness, alertness, delegation, teamwork, and optimization of personal performance to the practice of anesthesia.

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. Integrate evidence-based medicine and best practices into the plans of care for patients.
2. Utilize information technology to manage information, access online resources, and support their own education.
3. Recognize how and when errors or adverse events affect the care of patients and formulate strategies to reduce these medical errors.
4. Evaluate the design results, and conclusions of scientific studies to assess their validity an application to anesthesia practice.
5. Facilitate and encourage the learning for peer residents, medical students, and other learners.

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.

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

1. Interview and explain relevant clinical matters to patients of varying age, cognitive capacity, and cultural orientation.
2. Communicate effectively with other members of the healthcare team..
3. Practice the tenets of informed consent and shared decision making.
4. Sustain therapeutic and ethically sound relationships with patients, patients' families, and colleagues.
5. Maintain composure and effective communication in stressful situations.

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. Advocate for patients by practicing cost-effective without compromise to the quality and safety of care.
2. Discuss the importance of quality assurance and quality management.
3. Engage the different members of teams in the healthcare system to optimize patient care.
4. Identify situations which can contribute to medical error., including miscommunication among team members and technical or resource limitations.
5. Recommend strategies an changes to improves current or anticipated sources of medical error and reduced quality of care.