

SICU GOALS AND OBJECTIVES

PGY-3

PATIENT CARE

- To be able to admit a patient to the ICU, evaluate current issues and past medical history, establish and execute a plan of care for the patient and current issues
- To be able to identify, implement, evaluate, and modify different resuscitation strategies based on the physiology of the patient
- To be able to evaluate the poly-trauma patient and prioritize and coordinate interventions
- To be able to evaluate the neurosurgical patient and institute appropriate care, for example traumatic brain injury, cerebral aneurysm, and acute neurologic decompensation
- To be able to place and interpret a Swan-Ganz catheter
- To be able to place and interpret arterial catheters
- To be able to place and interpret central venous catheters
- To be able to identify and manage acute respiratory failure, including non-invasive and invasive ventilation
- To be able to understand, and adjust the various modes of mechanical ventilation
- To participate and understand the placement of ICP monitors
- To be able to establish and adjust a patient's nutrition plan including TPN or enteral feeds and understand and utilize nutritional parameters including metabolic cart

MEDICAL KNOWLEDGE

- To be able to define shock and give examples of each kind
- To understand fluid resuscitation and ability to evaluate the response to therapy
- To be able to name the vasopressors and inotropes and to know indications, dose, effects, and adverse effects of each
- To know the risks and benefits of the Swan-Ganz catheter, arterial catheter, and central venous catheter
- To understand indications, time course, and adverse effects of the most commonly used antibiotics
- To understand the basic and advanced modes of mechanical ventilation
- To be able to explain unconventional modes of oxygenation such as the oscillator and ECMO
- To be able to define ARDS and adjust ventilator strategies due to the changes with ARDS
- To be able to define and identify acute renal failure, identify possible etiologies; identify various types of renal failure and initiate appropriate therapy
- To understand the coagulation cascade and treat abnormalities of it
- To understand indications, risks, benefits, and alternatives to blood transfusion

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- To understand the difference between systolic and diastolic heart failure and be able to institute acute interventions for each
- To understand the risk factors, testing and treatment for acute adrenal insufficiency
- To understand diagnosis, work up and treatment of acute hepatic insufficiency/failure

PRACTICE-BASED LEARNING AND IMPROVEMENT

- To be able to critique personal practice outcomes through daily peer presentations and review
- To be able to evaluate complications, causes and outcomes by participating in ICU Morbidity Conference
- To be able to critique and review all ICU mortalities by participating in the ICU Mortality Conference

INTERPERSONAL AND COMMUNICATION SKILLS

- To be able to effectively communicate with the nursing staff
- To be able to effectively communicate with other members of the multi-disciplinary ICU team, such as pharmacists, dietitians, respiratory therapists, etc.
- To be able to effectively and compassionately discuss the daily plan of care for each patient to the patient and family
- To provide counsel in end of life family discussions
- To be able to effectively document practice activities
- To effectively communicate with medical students and junior residents to contribute to the teaching environment
- To be the resident leader of the service responsible for resident hours/call schedule and a back up to the interns/juniors

PROFESSIONALISM

- To be able to demonstrate sensitivity to age, gender and culture of patients and other health care professionals
- To display the highest levels of professionalism through verbal and non-verbal conduct and all behavior
- To maintain high standards of ethical behavior

SYSTEMS-BASED PRACTICE

- To demonstrate a knowledge of risk-benefit analysis
- To assist in the development of a health care plan that provides high quality, cost effective patient care
- To be able to recognize the need for a consultant, make appropriate requests, and provide appropriate information to the consultants
- To recognize and understand the role of other health care professionals in the overall care of the patient