

# University of South Florida

## SICU – PGY 1

### Competency Based Goals & Objectives

**Competency 1- Patient Care:** Provide family centered patient care that is developmentally and age appropriate, compassionate, and effective for the treatment of health problems and the promotion of health.

1. 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.
2. Identify and implement different resuscitation strategies based on the physiology of the patient.
3. Evaluate the poly-trauma patient.
4. Evaluate the acute neurosurgical patient.
5. Place a Swan-Ganz catheter
6. Place arterial catheters
7. Place central venous catheters

**Competency 2 – Medical Knowledge:** Understand the scope of established and evolving biomedical, clinical, epidemiological and social-behavioral knowledge; demonstrate the ability to acquire, critically interpret and apply this knowledge, demonstrate the ability to acquire, critically interpret and apply this knowledge in patient care.

1. Define shock and give examples of each kind.
2. Understand fluid resuscitation and ability to evaluate the response to therapy.
3. Name the vasopressors and inotropes to know indications, dose, effects and adverse effects of each.
4. Describe indications, time course, and adverse effects of the most commonly used antibiotics.
5. Demonstrate the basic modes of mechanical ventilation.
6. Define ARDS.
7. Define and identify acute renal failure.
8. Describe the coagulation cascade and treat abnormalities of it.
9. Understand indications, risks, benefits and alternatives to blood transfusion.

**Competency 3 – Communication Skills:** Demonstrate interpersonal and communication skills that result in information exchange and partnering with patients, their families and professional associates.

1. Talk to family members about sensitive issues that relate to a patient's illness, e.g. coping with the patient's altered needs in his/her home setting.
2. Write an effective and timely consultation note that summarizes the findings and recommendations.
3. Describe the role and effectively communicate with of all the members of a multi-disciplinary team and show respect for the contributions of each.
4. Maintain comprehensive, timely and legible medical records.
5. Participate in end of life family discussions.

**Competency 4 – Practice Based Learning and Improvement:** Demonstrate knowledge, skills and attitudes needed for continuous self-assessment, using scientific methods and evidence to investigate, evaluate and improve one's patient care practice.

1. Identify standardized guidelines for diagnosis and treatment of SICU patients.
2. Identify personal learning needs, systematically organize relevant information resources for future references, and plan for continuing data acquisition if appropriate.
3. Seek and incorporate feedback and self-assessment into a plan for professional growth and practice improvement (e.g. use evaluations provided by patients, peers, superiors and subordinates to improve patient care).
4. Evaluate complications, causes and outcomes by participating in ICU Morbidity Conference.

**Competency 5 – Professionalism:** Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles and sensitivity to diversity.

1. Be honest and use integrity in your professional duties.
2. Appreciate the psychosocial impact of diseases commonly seen by the subspecialist (e.g. on the child, family, parents' work, school).
3. Respect your patient's privacy, autonomy and need to maintain a positive self-concept, irrespective of age, gender or health belief system, and regardless of acuity of diseases.
4. Be sensitive to the ethical and legal dilemmas faced by providers working with patients with orthopedic problems. Strive to understand how the physician and care team deals with these dilemmas and use such experiences to enhance your own understanding.
5. Display the highest levels of professionalism through verbal and non-verbal conduct and all behavior.
6. Maintain the highest levels of ethical behavior.

**Competency 6 – System-Based Practice:** Understand how to practice quality health care and advocate for patients within the context of the healthcare system.

1. Clarify how documentation and billing charges differ for consultations vs. referrals vs. on-going management .
2. Explore the difference between fee-for-service referrals and managed care referrals and the office systems needed to support both.
3. Describe patient and system factors that contribute to escalating costs of care in the subspecialty setting, and consider the impact of these costs on families and on the health care system.
4. Recognize and advocate for patients who need assistance to deal with systems complexities, such as lack of insurance, multiple medication refills, multiple appointments with long transport times or inconvenient hours of service.
5. Consider potential sources of medical error in this subspecialty setting (e.g. drug interactions, complex care plans, provider fatigue).
6. Recognize a need for a consultant, make appropriate requests, and provide appropriate information to the consultants.