

University of South Florida

Trauma – 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.

The PGY1 resident will spend a one-month rotation on the trauma service at the Tampa General Hospital. The resident will obtain an introduction to the diagnosis and physical examination of patients with acute critical care injuries. The resident will learn a systematic approach to the development of a differential diagnosis for patients with traumatic injuries.

1. Describe the initial approach to multiple-injury patients; the significance of the “golden hour”, trauma resuscitation priorities, primary and secondary surveys.
2. Describe the evaluation, stabilization and management of head and neck trauma as a result of blunt and penetrating trauma including the recognition of various intracranial injuries.
3. Describe the evaluation, stabilization and management of thoracic trauma including great vessel injuries, cardiac injuries, pulmonary injuries, simple and tension pneumothoraces, hemopneumothoraces, flail chest, diaphragmatic injury, esophageal injury, tracheal injury and bronchial injuries.
4. Describe the evaluation, stabilization and management of abdominal trauma. Residents must be able to describe criteria for non-operative management of abdominal trauma.
5. Describe the evaluation, stabilization and management of extremities trauma including the diagnosis and management of compartment syndromes.
6. Describe the evaluation, stabilization and management of genitourinary tract trauma.
7. Describe the evaluation, stabilization and management of perineal trauma including the management of rectal injuries.
8. Describe the evaluation, stabilization and management of pregnant patients with severe trauma.
9. Understand the special problems involved in the management of pediatric trauma.
10. Describe the initial management and complications of burns including the appropriate fluid management therapy.
11. Describe the management of severe soft tissue injury including tissue loss and proper techniques for limb preservation for replantation.
12. Describe the nutritional assessment and provision in trauma patients.

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

1. Describe the indications and become proficient in the following procedural skills:
 - a. Diagnostic peritoneal lavage
 - b. “F.A.S.T.” ultrasound of the abdomen
 - c. central venous access including percutaneous techniques and cutdown
 - d. arterial line placement
 - e. tube thoracostomy
 - f. Pulmonary artery catheter placement

- g. Emergency thoracotomy and open cardiac massage
- h. Interpretation of CT studies of the head, abdomen, chest and pelvis.
- i. Tracheostomy and cricothyroidotomy
- j. Percutaneous gastrostomy for nutrition
- k. Simple and complex repair of wounds
- l. Debridement of devitalized wounds
- m. Pericardiocentesis
- n. Overall coordination of the care of the multiply injured patients.

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

Residents are expected to acquire and practice adequate interpersonal and communication skills on the trauma service. Residents are expected to communicate effectively with family members of critically injured patients that is professional and compassionate. Specifically, the residents will:

- 1. Practices the art of listening to patient concerns.
- 2. Gathers medical and personal information effectively from patients.
- 3. Explores the patients' perspective about their life events, illness, and treatment.
- 4. Shows and explains information effectively to patients.
- 5. Collaborates with patients and their families in treatment decisions.
- 6. Provides closure for patient communication/visits.

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.

Residents are expected to utilize resources available to them at TGH to improve their care of trauma patients. Specifically, resident are expected to:

- 1. Participate in trauma QA process to improve quality and outcome of patient care
- 2. Utilize internet based resources to obtain up-to-date information in the care of trauma patients.
- 3. Practice evidence-based medicine.
- 4. Educate medical students and allied health professional in trauma care
- 5. Utilize the trauma registry to further improve patient care, participate in research and to understand the prevention of trauma.

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

Residents on the trauma service are expected to acquire and practice professionalism. Specifically, trauma residents are expected to:

- 1. Practices respect to patients and their families.
- 2. Show compassion to patients and their families.
- 3. Demonstrates integrity in the practice of medicine.
- 4. Is responsive to patients' needs.
- 5. Is accountable to profession in their actions and decisions.

6. Practices in on-going medical education and self-improvement.
7. Respects and protects patient confidentiality.
8. Is sensitive to patients' culture, age, gender, and disabilities.
9. Is self-aware and has knowledge of professional limits.
10. Communicates and collaborates effectively in a team of health care providers.

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

Residents on the trauma service are expected to become familiar with system-based practice of trauma care. Specifically, residents are expected to gain competency in:

1. Trauma system operating in Hillsborough County.
2. Trauma activation procedure.
3. Multidisciplinary trauma care practice.
4. Med-alert activation system operating in Hillsborough County
5. Triage in single and multiple casualty situations.
6. Discharge planning, including social service, rehabilitation, and long term care .
7. Cost containment in trauma care.
8. Funding options in trauma care.