

## Trauma Surgery Learning Experience Description

**Learning Experience Title:** Trauma Surgery (PGY2)

**Preceptor:**

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**Purpose:**

The purpose of this learning experience is to expose critical care pharmacy residents to a trauma surgery rounding service. Throughout the experience, the resident should develop their ability to appropriately manage a trauma surgery patient while serving as the primary pharmacist for the surgery/trauma team.

**Role of the Pharmacist:**

The general surgery/trauma pharmacist functions as an integral member of the surgical team. Daily responsibilities include: participation in rounds, development and implementation of therapeutic recommendations, providing education to providers, students, and patients, management of a clinical unit (order verification, renal dosing, antibiotic monitoring), and participation in traumas.

**Learning Experience Responsibilities and Expectations:**

- Attend general surgery and trauma rounds

<b>Service</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>Surgery</b>	0800	0800	0800	Didactics	0800
<b>Trauma Surgery</b>	1300	N/A	N/A	1130	N/A

- Serve as primary pharmacist for all general and trauma surgery patients
  - Work in SICU daily (0800-1000) to ensure all recommendations are implemented
  - Perform pharmaceutical care monitoring for all patients on the assigned surgery service

- Document recommendations and/or interventions within the medical record as appropriate
- Communicate with medical residents regarding changes in rounding time
- Attend all code blue events with preceptor
- Precept Pharm.D. students and PGY 1 residents assigned to this experience
- Actively participate in topic discussions
- Provide at least one topic discussion and/or case presentation to pharmacy staff and/or medical staff

### **Disease States and Topics:**

The resident will be expected to gain proficiency of the following topics through literature review, topic discussions, and /or direct patient care:

- Neurology
  - Traumatic brain injury
  - Pain management
  - Subarachnoid and intracranial hemorrhage
- Cardiovascular
  - Fluid resuscitation
  - Hemorrhagic shock
  - Anticoagulation management/DVT prophylaxis
- Respiratory
  - Hemothorax/pneumothorax
  - Chest tube management
- Infectious Diseases
  - SCIP antibiotics
- Gastrointestinal
  - Post-operative ileus
  - Post-operative nutritional support
  - Fistula management
- Misc
  - Penetrating trauma
  - Open fracture
  - Rapid sequence intubation

## Goals and Objectives:

- Goal R1.3 – Exercise practice leadership
  - Objective R1.3.1 (characterization) – demonstrate a commitment to advocacy for the optimal care of patients through the assertive and persuasive presentation of patient care issues to members of the health care team, the patient, and/or the patients representatives
  
- Goal R2.2 – Prioritize the delivery of care to critically ill patients
  - Objective R2.2.1 (synthesis) – devise a plan for deciding which critical care patients to focus on if given limited time and multiple patient care responsibilities
- Goal R3.1 – Provide effective education or training to health care professionals and health care professionals in training
  - Objective R3.1.5 (application) –Use public speaking skills to speak effectively in large and small group situations
- Goal R5.1 – Participate in the management of medical emergencies
  - Objective R5.1.1 (application) – exercise skill as a team member in the management of medical emergencies

## Learning Experience Activities:

Activity	Objectives to be Evaluated
Actively participate on daily rounds. Work collaboratively with health care team to presents and implement recommendations on a daily basis conveying expertise in an assertive and non-aggressive manner.	<b>R1.3.1</b> <b>R2.2.1</b>
Communicate with pharmacy and medical staff daily utilizing negotiation skills and conflict management. Follow up on all pharmacy related issues to ensure resolution.	<b>R3.1.5</b> <b>R2.2.1</b>
Create and deliver a presentation to the pharmacy staff employing effective communication skills. Presentation should be appropriately referenced, flow in a clear and logical manner, and provide information that will impact daily practice of a hospital pharmacist.	<b>R3.1.5</b>
Providing guidance/instruction to the nursing/medical staff as well as instruction of APPE students when applicable.	<b>R3.1.5</b>

Participate in all code blue events and traumas (including Type A and B) utilizing skills gained through ACLS certification and ATLS participating	<b>R5.1.1</b>
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**Requirements:**

- Expected hours
  - 0700-1500 (times may vary depending on service requirements)
- Presentations/written assignments
  - One formal topic discussion and/or patient case to pharmacy and/or medical staff
- Attire
  - Residents may wear scrubs throughout experience except on formal presentation days
- Readings
  - Readings will be assigned throughout the learning experience

**Method of Evaluation:**

Evaluation of the resident will be based on the ASHP activity learning experiences listed above. Each learning activity has a corresponding code following the experience which corresponds to the activity learning experience listed in PharmAcademic®. During the orientation to the learning experience, the preceptor and the resident will review all the material contained in this learning experience description and sign a copy to be retained in the residents file.

The preceptor will provide feedback informally (verbally) and formally (electronically via PharmAcademic®) throughout the course of the learning experience. Once the resident is finished with all of the requirements for the learning experience, the preceptor and the resident will discuss the learning experience as a whole both formally and informally.

The resident will be responsible for providing a formal self-evaluation using the goals listed above and also evaluate the learning experience as a whole.

I have read and acknowledged the responsibilities of this learning experience.

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Pharmacy Resident

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Primary Preceptor