

## PGY1 Course Description

### Learning Experience Title: Trauma and General Surgery

#### Preceptor:

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#### Description:

The purpose of this required 4 week learning experience is to introduce pharmacy residents to a general surgical service. Throughout the experience, the resident should develop their ability to appropriately manage a surgical patient while serving as the primary pharmacist for the surgery/trauma team. The general surgery/trauma pharmacist in this role 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:

- Attend general surgery and trauma rounds daily\*
- Perform pharmaceutical care monitoring for all patients on the assigned surgery service
- Document recommendations and interventions within the medical record as appropriate
- Actively participate in all topic discussions
- Provide education to providers, students, and patients
- Participation in all traumas and codes with preceptor

**\*In the case formal rounds with the presence of an attending do not occur, it is the resident's responsibility to work with the surgery resident regarding all pharmacy related interventions**

#### Disease States:

Disease states commonly encountered during this experience that the resident will be expected to review, discuss, and apply include but are not limited to:

- Neurology
  - Pain management

- Traumatic brain injury
- Cardiovascular
  - Fluid resuscitation
  - Hemorrhagic shock
  - Anticoagulation management/DVT prophylaxis
- Infectious Diseases
  - SCIP antibiotics
  - Sepsis/septic shock
- Gastrointestinal
  - Post-operative ileus
  - Post-operative nutritional support
  - Fistula management

**Learning Experience Activities:**

Activity	Objectives Covered
Actively participate on daily rounds by working collaboratively with health care team to presents and implementing recommendations on a daily basis conveying expertise in an assertive and non-aggressive manner.	R1.1.3
All plans will be developed independently, it will be presented in a systematic, logical, accurate and timely way to the medical team so as to secure consensus. Summarize important patient facts to preceptor and/or medical team during sit-down or bedside rounds	R1.1.5
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.	R4.1.2
Provide guidance/instruction to the nursing/medical staff as well as instruction of APPE students when applicable.	R4.2.2

**Objectives selected to be evaluated during learning experience:**

- Objective R1.1.3 (Analyzing) Collect information on which to base safe and effective medication therapy
- Objective R1.1.5 (Creating) Design or redesign safe and effective patient-centered therapeutic regimens and monitoring plans (care plans)
- Objective R4.1.2 (Applying) use effective presentation and teaching skills to deliver education
- Objective R4.2.2 (Applying) Effectively employ preceptors roles as appropriate

**Requirements of Learning Experience:**

### Expected hours

- 0700 – 1500 (times may vary depending on service requirements)

### Attire

- Residents may wear scrubs throughout the experience except on formal presentation days

### Required presentations

- One formal topic discussion and/or patient case to pharmacy and/or medical staff

### Required readings

- Readings will be assigned throughout the learning experience

### Preceptor interaction

- The resident is expected to interact with the preceptor daily regarding all patient care related activities
- The resident is expected to utilize time with the preceptor as a higher learning experience by researching questions prior to meeting

### Communication

- The resident is expected to communicate all patient care related information to the preceptor daily
- The resident is expected to pass-off pertinent information to evening staff, pharmacy buyer, and/or management as appropriate
- The resident is expected to reserve use of instant messenger for “on-the-fly” communication with a preference to email and phone for all other communication

### Expected progression of resident on this learning experience

The resident is expected to progress in a linear fashion with the goal of safely and effectively managing general surgery and trauma patients. This will be demonstrated through the residents’ ability to identify pertinent medical and pharmacy related issues on each individual patient on a daily basis; successfully recommend and implement pharmacy interventions daily; and provide evidence-based information to nursing and medical staff. Appropriate progression also includes the ability to round independently with the medical team; precept pharmacy students (if applicable); and actively lead a topic discussion.

### **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 verbally (formative) throughout the course of the learning experience and electronically (summative) via PharmAcademic® at the conclusion of the experience. Once the resident is finished with all of the requirements for the experience, the preceptor and the resident will discuss the learning experience as a whole both formally and informally. The resident will also be responsible for providing both formative and summative feedback at the conclusion of the experience. All evaluations must be submitted by the conclusion of the learning experience.

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

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Pharmacy Resident

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Primary Preceptor