

## **Hospital Rotation**

### **Objectives for Student Experiences in Advanced Practice Hospital Pharmacy Sites**

The goal of Advanced Practice Hospital Pharmacy Experiences is to provide the opportunity for the student to build upon information acquired in his/her didactic education and apply the knowledge and skills in direct patient care activities in Hospital Pharmacy. The student will complete all activities in a professional manner under the facilitation of a preceptor. Upon completion of the experience, the student shall be able to:

1. Demonstrate the ability to appropriately assess patients, which shall include, but not be limited to, obtaining or discussing the following information:

- Signs and symptoms of patient complaint or disease
- Medical Record
- Medication history (including previous treatments)
- Available past medical, family, social, and surgical history
- Medication administration review
- Physical assessment
  - Obtain data from patient chart/medical record and/or patient, i.e. including but not limited to:
    - Blood pressure
    - Height/weight
    - Culture and sensitivity
    - Laboratory tests, e.g. chemistry and drug levels
    - Other tests

2. Demonstrate the ability to analyze treatment options (both prescription and non-prescription) for each disease, incorporating:

- Pathophysiology
- Etiology (especially drug-related causes)
- Guidelines of treatment
- Cost
- Benefit of therapy versus risk
- Formulary

3. For each therapeutic option, discuss:

- Pharmacology
- Dosing
- Pharmacokinetics
- Routes of Administration
- Contraindications/Precautions
- Adverse drug reactions
- Interactions (drugs, dietary supplements, food, laboratory)

- Monitoring parameters for efficacy and toxicity

4. For each medication order , assess appropriate:

- Indication
- Legality
- Completeness
- Dose/pharmacokinetics
- If injectable:
  - IV compatibility
  - Stability
  - Administration Rate
  - IM/SQ
  - Reconstitution
- Dosage form
- Duration of therapy

5. Communicate information about the disease and drug therapy to the physician, nurse, other healthcare professionals and the patient, which shall include, but not be limited to:

- Effective, concise written communication
- Demonstration and assessment of appropriate use of medications and related devices
- Effective communication with physicians, nurses and other health care professionals concerning point 1-4 above.

6. Participate in promoting healthcare awareness

7. Use the most appropriate resources to respond to drug information questions from patients and health care providers and patients

8. Present organized (formal and informal) case presentations

9. Discuss the policies and procedures for managing the pharmacy's role in providing patient care including, but not limited to:

- Joint Commission on Healthcare Accreditation (JCAHO)
- Adverse Drug Reactions Reporting and prevention
- Medication Error Reporting and Prevention
- Quality Assurance, especially patient safety
- Pharmacy and Therapeutics
- Healthcare Insurance Portability and Accountability Act (HIPAA)
- Sterile and non-sterile compounding

**Note: The following schedule of activities is to be used as a guideline for activities.**

**Week 1:**

*Getting to know your hospital pharmacy*

Review pharmacy P&P  
Organizational structure of the pharmacy  
Tour pharmacy & meet staff  
The Robot  
The Med Cabinets  
The Med pass system  
The IV room  
Placing orders / Inventory management  
Billing  
Medication order entry process  
Medication delivery  
Crash carts  
Narcotic inventory process  
(Meditech password), ID Badge, hospital tour  
Research information for P&T committee (if needed)  
Clinical department  
Special projects as assigned

**Week 1 Schedule:**

	Monday	Tuesday	Wednesday	Thursday	Friday
7	Name badge, pharmacy tour, PC passwords	Observe order entry RPh	Observe order entry RPh	Observe order entry RPh	Attend CME Poe Auditorium
8		Stocking med cabinets... go with techs	Stocking med cabinets... go with techs	Stocking med cabinets... go with techs	Tech rounds and the robot
9	Tech rounds and the robot				
10		Stocking a crash cart	Tech rounds and the robot	Packaging for the robot	Narc inventory process
11					
12	Billing	Billing			
1	Review pharmacy P&P	Observe order entry and general help in the pharmacy	Projects	Observe order entry and general help in the pharmacy	Projects
2					
3					

## **Week 2:**

### *Getting to know the hospital*

Go to ER, identify a patient who you will follow during their entire hospital stay

Round with hospitalists

Surgery observation

Cath lab / stress tests

Endoscopy

Inpatient hospice

Infusion Therapy

Interdisciplinary rounds

IV room proficiency

Kinetic drug monitoring

Discharge counseling

Friday morning CME

Attend P&T meeting

### **Week 2 Schedule:**

	Monday	Tuesday	Wednesday	Thursday	Friday
7	ER: Identify patient to follow during their hospital stay	Med Pass Observation	Cath Lab	TBA	CME
8					
9		Outpatient Infusion therapy	Interdisciplinary rounds	Hospitalist Rounds	Interdisciplinary rounds
10					
11	IV room training	IV room, kinetics and TPN's	Wound care		IV Room / kinetics / TPN's
12				P&T meeting	
1				Kinetics / TPN's	
2					
3					

## Week 3:

*Putting it all together:*

2<sup>nd</sup> shift functions  
3<sup>rd</sup> shift functions  
TPN monitoring  
Adverse drug reaction investigation  
Clinical department functions  
Friday morning CME

### Schedule Week 3

	Monday	Tuesday	Wednesday	Thursday	Friday
7					
8					
9					
10					
11					
12					
1					
2					
3					

Clinical Reports

Clinical Reports

Work 2<sup>nd</sup> shift  
3:30 till 11pm.  
Stock robot,  
general  
pharmacy help  
as needed

Work 3<sup>rd</sup> shift  
11pm to 7am.

CME

Help with cart  
fill, cart  
delivery,  
general  
pharmacy help  
as needed...  
attend the  
Friday  
morning CME  
at 7am before  
leaving

Off

Inpatient  
dialysis

TPN's :  
clinical  
monitoring and  
compounding

ADR  
investigations

ADR  
investigations

**Week 4:**

Continue ongoing projects and work on other special projects

Present case at leadership meeting

Friday morning CME

Medication safety team meeting

	Monday	Tuesday	Wednesday	Thursday	Friday
7	Infusion Therapy	Infusion Therapy	Clinical Reports	Clinical Reports	CME
8					Coumadin Clinic
9					
10	TPN's and Kinetics	Med Safety Meeting			
11					
12	Projects	Case presentation at leadership meeting	TPN's and Kinetics	Outpatient Pharmacy	Evals
1					
2					
3					

**Week 5:**

Should the month run past 20 days, additional responsibilities will be assigned by the preceptor.