

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					Tech rounds and the robot
9	Tech rounds and the robot	Stocking med cabinets... go with techs	Stocking med cabinets... go with techs	Stocking med cabinets... go with techs	Tech rounds and the robot
10					
11					
12	Billing	Billing	Tech rounds and the robot	Packaging for the robot	Narc inventory process
1					Review pharmacy P&P
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					
12	IV room training	IV room, kinetics and TPN's	Wound care	IV Room / kinetics / TPN's	
1					P&T meeting
2					Kinetics / TPN's
3					

Week 3:

Putting it all together:

- 2nd shift functions
- 3rd shift functions
- TPN monitoring
- Adverse drug reaction investigation
- Clinical department functions
- Friday morning CME

Schedule Week 3

	Monday	Tuesday	Wednesday	Thursday	Friday
7	Clinical Reports	Clinical Reports	Work 2 nd shift 3:30 till 11pm. Stock robot, general pharmacy help as needed	Work 3 rd shift 11pm to 7am. Help with cart fill, cart delivery, general pharmacy help as needed... attend the Friday morning CME at 7am before leaving	CME
8					Off
9					
10					
11					Inpatient dialysis
12	TPN's : clinical monitoring and compounding	TPN's : clinical monitoring and compounding			
1					
2	ADR investigations	ADR investigations			
3					

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	
1					Evals
2					
3					

Week 5:

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