

PGY1 Course Description

Learning Experience Title: Orthopedic Surgery

Preceptor:

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Description:

The primary purpose of this 4 week elective clinical experience is to provide pharmacy residents with opportunities to expand their knowledge and develop clinical skills related to the care of orthopedic patients. This will be achieved through participation in multi-disciplinary rounds, evaluation of patient profiles, and education of patients on a medical/surgical unit. The pharmacist in this practice setting rounds with the orthopedic surgery team, provides medication-related information to the team, reviews patient's medication profiles, and educates orthopedic patients on anticoagulation medications as needed. Resident pharmacists will be expected to provide drug information and pharmacy services to the team and unit they are covering.

Learning Experience Responsibilities:

- Attend orthopedic surgery rounds daily during the week
 - Beginning at 0800 on all days except Wednesday when rounds begin at 1000
 - Meeting location is the orthopedic surgery administrative offices, 3rd floor
- Provide guideline and evidence based drug therapy recommendations and drug information to the orthopedic surgery team
 - Document all clinical interventions through PowerChart
- Perform patient education for patients on the orthopedic surgery team as needed each day for anticoagulation, low molecular weight heparin, and any miscellaneous medication related consults
 - Complete note in the electronic medical record
- Present a disease state or patient case presentation to the pharmacy staff, pharmacy residents, and students on rotation
- Participate in or lead topic discussions
- Oversee Pharm.D. students on rotation, when applicable
- Attend all pharmacy student and resident presentations

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:

- Anticoagulation needs in orthopedic surgery patients
- Management of prosthetic joint infections and antibiotic selection
- Pre- and post-procedural pain management
- Medications utilized in the perioperative period

Learning Experience Activities:

Activity	Objectives Covered
Utilize the electronic medical record, patient interviews, and other available resources to gather and evaluate patient information in order to determine an appropriate medication regimen.	R1.1.3
Apply patient information and evidence-based resources to develop therapeutic goals and effective monitoring plans.	R1.1.5
Provide complete, evidence-based recommendations to the health care team related to medication therapy. Ensure implementation of discussed regimens and monitoring plans.	R1.1.1
Ensure professional and effective communication with members of the health care team, patients, and other health care providers. Serve as the medication expert.	R3.1.1
Educate patients on medications as needed and document interactions per hospital policy in the electronic medical record.	R1.1.7
Present a formal patient case or disease state presentation to pharmacy residents, staff, and students.	R4.1.2

Objectives selected to be evaluated during learning experience:

R.1.1.1 “Interact effectively with health care teams to manage patients’ medication therapy”

R 1.1.3 “Collect information on which to base safe and effective medication therapy”

R 1.1.7 “Document direct patient care activities appropriately in the medical record or where appropriate”

R 3.1.1 “Demonstrate personal, interpersonal, and teamwork skills critical for effective leadership”

R 4.1.2 “Use effective presentation and teaching skills to deliver education”

Requirements of Learning Experience:

Expected hours: 0700-1530 (these times may vary based on census and service requirements)

Required presentations: The resident pharmacist will give a formal presentation on a topic or patient case related to orthopedic surgery. This presentation should include an

overview of the topic or disease state, treatment guidelines, and relevant primary literature, as applicable.

Required readings: These will be assigned throughout the rotation and discussed with the preceptor as appropriate. Residents will be expected to read through applicable guidelines and primary literature when developing recommendations, preparing for topic discussions, or putting together their final presentation.

Preceptor interaction: The resident will meet with the preceptor fifteen minutes before rounds on a daily basis to discuss interventions they would like to make on rounds. After rounds, the resident will provide the preceptor with updates from rounds. The preceptor and resident will schedule topic discussions related to orthopedic surgery based on the resident's interests and experiences. The preceptor will be available if there additional questions.

Communication: The resident is expected to communicate patient care plans to the preceptor. Recommendations for medication regimens will be communicated to the orthopedic team by the resident on rounds. The resident is also expected to follow up with the multidisciplinary team outside of rounds as needed to ensure all patient care needs are met. Any information that needs to be shared within the pharmacy department will also come from the resident to adequate cross-coverage between shifts and care teams.

Expected progression of resident on this learning experience: During this elective experience, the resident will be challenged to build on the skills previously developed during required rotations they have completed. The first week, the resident will try to work up all patients rounded on by the orthopedic team. They will go to rounds with the preceptor. By the second week, the resident will be expected to have all patients worked up in the morning and round independently. The second week, the resident will also be expected to make sure orthopedic surgery patients receive all requested medication education and document their interactions. In the third week, the resident is expected to communicate with all members of the multidisciplinary team to follow up on recommendations made and help ensure smooth transitions of care. In the final week, the resident will function independently.

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.

Pharmacy Resident

Primary Preceptor