Pharmacy / Pharmacology
Learning Objectives

General Description

Elective Rotation

A rotation in pharmacy / pharmacology is an elective experience available to Year III or IV students in the College of Osteopathic Medicine. This rotation is a two (2) week introductory, structured clinical experience under the supervision of a licensed pharmacist, intended to develop the student's knowledge, decision-making and cognitive skills as it relates to pharmacy practice, medication prescribing, medication dispensing, patient education about medications, side effects of medications and potential abuse of medications in the retail, hospital or clinic setting.

This rotation may require patient interaction and education as it relates to:

- The presentation of a prescription (i.e. telephone, written)
- Appropriate history and/or details about prior use of the medication and it’s side effects as well as contraindications and interactions (with other medications and foods)
- Understanding the importance of education with prescription medications
- Questions that patients and families have about the prescribed medications
- Information on over-the-counter medications as asked by patients/customers

Purpose

Under the supervision of the pharmacy preceptor, the student will provide direct patient-centered care in a community pharmacy setting. Students will experience the operation and management of community pharmacy systems and the functions and responsibilities of a pharmacist in a community setting. Students will have the opportunity to be involved in all aspects of the medication use process and health care delivery in the community setting, including the need for continuity of care.
Course Objectives

General Overview

At the completion of this clinical rotation, the student should have reached certain broad educational goals, including:

- continued development of systematic medical problem solving, patient management abilities, and appropriate preventative medicine strategies in the context of a debilitating illness;
- expanded knowledge of both communicable and non-communicable diseases;
- improved clinical skills, including both diagnostic and therapeutic procedures

Learning Objectives

- State the advantages and benefits for delivering clinical services in a community pharmacy.
- Provide education to patients regarding their drugs and/or therapeutic monitoring.
- Employ safe medication practices to reduce the chance of an adverse medication related event.
- Improve therapeutic outcomes through increased pharmacist involvement in medication management services.
- Demonstrate a working knowledge of the technology used in community pharmacy practice.
- Be able to explain the primary goals of a community pharmacist
- Demonstrate appropriate team behaviors and professionalism.
- Additional objectives as assigned by the individual preceptor

TEXTS AND RESOURCES

Required Assignment Texts


Chapters:
1. What is pharmacology?
2. How drugs act: General principles
3. How drugs act: Molecular aspects
8. Drug absorption and distribution
9. Drug metabolism and elimination
10. Pharmacokinetics
11. Pharmacogenetics, pharmacogenomics and ‘personalised medicine’

EVALUATION

At the beginning of the rotation, the pharmacist should review expectations/guidelines of performance with the student. On the last day of service, the pharmacist should review the student’s performance with the student and have the student sign the evaluation form before submission. A student’s signature simply indicates that the student has received an evaluation directly from the pharmacist; it does not indicate agreement with that evaluation. Evaluations of students must be submitted within two weeks of completion of the rotation.

There is no written post-rotation examination for this clinical rotation.