

# Required Learning Experiences

## Anticoagulation Clinic

Anticoagulation Clinic (AC) is a required learning experience for the PGY1 pharmacy resident. The experience involves the provision of direct patient care and telephone management of patients consulted to and followed by the AC. Residents will work in the anticoagulation clinic 1-2 days per week. Knowledge of warfarin, low molecular weight heparins, direct oral anticoagulants (DOACs), antiplatelet agents, and vitamin K administration are important in this setting.

## Administration

This 4 week learning experience is designed to give each resident the opportunity to work with members of the pharmacy management team. Residents will spend time with the Inpatient Pharmacy Supervisor, Outpatient Pharmacy Supervisor, Associate Chief of Pharmacy, Specialist Operations, Associate Chief of Pharmacy Operations and Chief of Pharmacy service. The resident will attend meetings as assigned and be assigned projects from members of the pharmacy management team throughout the learning experience.

## Education Program for Residents

The Pharmacy Education Program for Residents (PEPPR) Teaching and Learning Curriculum prepares participants to confidently and effectively identify the needs of learners as well as design, implement, and evaluate relevant educational activities with thoughtful instructional design. During the fall and spring semester residents will have the opportunity to participate in a variety of PEPPR activities including workshop sessions, large group and small group student teaching sessions, assisting in lab, and in the experiential setting. In addition, residents will be given a schedule for completion of a drug class review, a journal club discussion, and a one hour continuing education program.

## Internal Medicine

Internal Medicine (IM) is a required, four week learning experience designed to increase the resident's skills in the treatment of complex patients in an acute care setting. The resident will gain experience in providing and monitoring pharmaceutical care for a variety of acute and chronic diseases. Throughout the rotation, residents will have opportunities to provide and improve patient assessment skills, communication with healthcare professionals, and overall pharmacotherapy knowledge. Problem solving, multitasking, drug information, writing, and presentation skills will also be enhanced during the rotation.

## Medication Management

Medication Management Service is a required learning experience for the PGY 1 pharmacy resident. The resident is scheduled in Medication Management Service 1-2 days a week. The resident is responsible for completing their responsibilities in an appropriate time frame under the supervision of a clinical pharmacy specialist. Knowledge of VA formulary, VA drug policies and procedures, and therapeutic guidelines are important in this setting.

## Orientation and Pharmacy Training

The orientation and training learning experience is scheduled at the beginning of the residency year. During new employee orientation residents are introduced to the mission of the VA and educated about general administrative rules. During residency orientation, they receive information about residency requirements/expectations and individual learning experiences. Pharmacy training will occur in the ambulatory care, inpatient and outpatient setting. Residents will be introduced to the workflow, policies and procedures of anticoagulation clinic which will assist them on other rotations. Each resident will learn about VA formulary and criteria for use. They will work with preceptors to review and resolve non-formulary requests. During orientation residents will acquire the knowledge and ability to perform necessary dispensing and verification functions to provide complete pharmaceutical care to our veterans. Orientation for the administration, project, and clinical learning experiences will occur prior to each rotations' start date.

## Patient Aligned Care Team (PACT)

PACT uses a team-based approach to provide primary care services to veterans. Within the Veterans Affairs Health Care System Clinical Pharmacy Specialists (CPS) have a scope of practice. This scope allows CPS to manage a variety of disease states including congestive heart failure, diabetes, hypertension, and hyperlipidemia. Pharmacists also play an active role in smoking cessation. Residents are required to select one PACT site for an 8-10 week learning experience. Time spent in clinic averages 2 half days per week. If desired, each resident will have the opportunity to select another primary care clinic as an elective.

## Project Development

Each resident will work with the Project Advisory Board (PAB) and project preceptor to identify, design and execute an investigational project. Findings from this project will be presented to pharmacy management, at the University of Iowa College of Pharmacy Research Day and Pharmacy Residents Conference in the spring. Conclusions from this project will then be summarized in a manuscript suitable for publication.

The Medication Use Evaluation (MUE) may be a component of the investigational project or separate research to identify changes needed to improve patient

care/medication use system. Each resident will work with Dr. Egge and another preceptor (content expert) to complete the MUE.

## Weekend Staffing

This experience will provide residents the opportunity to interact with inpatient teams and staff in an effort to improve patient care. Residents will rotate through inpatient pharmacy and medication reconciliation 2 out of every 4 weekends starting in September and will be allowed to switch weekends if necessary to accommodate personal needs. Residents will also work 3 hours one day per week from September through November in the inpatient pharmacy directly following their scheduled tour of duty. Each resident will work the same number of weekends and evenings throughout the residency year.

## Common Electives

Antimicrobial Stewardship (daily; 4-5 weeks)

Diabetes (2 half days; 8-10 weeks)

ICU/Transplant (daily; 4-5 weeks)

Inpatient psychiatry (daily; 4-5 weeks)

Oncology (daily; 4-5 weeks)

Outpatient psychiatry (daily; 4-5 weeks)

Pain (2 half days; 8-10 weeks)

Primary Care Clinics (1 full day/2 half days; 8-10 weeks)

    Additional PACT site (Coralville, Cedar Rapids, Iowa City, Women's Health)

    Geriatrics

    Medical Resident Team

Virology (2 half days; 8-10 weeks)