



PGY2 Critical Care Learning Experience Descriptions

Required Learning Experiences

Cardiovascular Critical Care

Required, 1 month

Rebecca Rich, PharmD, BCPS, BCCCP
Jennifer Montero, PharmD, BCPS, BCCCP
Michael Semanco, PharmD, BCPS, BCCCP

The Cardiovascular Critical Care experience will provide the resident an opportunity to develop the pharmacotherapeutic skills necessary to care for critically ill patients with cardiovascular disorders. The resident will spend two weeks in the C3ICU focusing on medical cardiology and two weeks in the SICU focusing on surgical cardiovascular disorders. Patient care and assigned topics will include ACS (STEMI and NSTEMI), atrial arrhythmias, ventricular arrhythmias, cardiogenic shock, and the treatment of acute decompensated heart failure. The resident will be given the opportunity to observe procedures in the cardiac catheterization lab as well as the cardiovascular operating room (CVOR).

Emergency Medicine

Required, 1 month

Brad Hall, PharmD
Kayla Wilson, PharmD, BCPS

The Emergency Medicine experience will develop clinical pharmacy skills needed to treat patients in a variety of areas while providing experience and more specialized education on the care of emergency department patients. The resident will be assigned a specific area within the ED where they will be expected to round regularly to identify and resolve pharmacy related issues. Opportunities to participate in trauma, stroke, and STEMI alerts as well as both adult and pediatric cardiac arrests will be available.

Infectious Diseases

Required, 1 month

Jessica Cobian, PharmD, BCPS

The Infectious Diseases experience will provide the resident an opportunity to develop and refine their pharmacotherapeutic skills related to the identification and treatment of less common infectious diseases. The resident will be required to identify and assess all anti-infective therapies and provide appropriate recommendations to optimize the care of their assigned patients. The resident will be given the opportunity to round with an Infectious Diseases physician and to participate in regular topic discussions.

Medical / Surgical Critical Care

Required, 4 months

Rebecca Rich, PharmD, BCPS, BCCCP
Jennifer Montero, PharmD, BCPS, BCCCP
Michael Semanco, PharmD, BCPS, BCCCP

The Critical Care experience includes four, one month rotations conducted in two ICUs encompassing 54 beds and one intermediate care unit with 29 beds. Two months will be spent in Medical Critical Care, with the first month focusing on general medical critical care. The second month will focus on stroke as well as precepting an APPE student. Surgical Critical Care and Intermediate Critical Care are each one month experiences. These experiences are the basis of the PGY2 residency year and are intended to provide the resident an opportunity to develop and refine the pharmacotherapeutic skills necessary to care for a variety of critically ill patients. As the year progresses the resident will be expected to obtain proficiency and autonomy under the supervision and mentorship of dedicated Critical Care Clinical Pharmacy Specialists.

Orientation

Required, 3 weeks

Orientation will provide the resident with extensive exposure to the decentralized pharmacy practice model including established clinical activities and the medication distribution process at Lakeland Regional Health Medical Center. The resident will participate in general hospital orientation as well as CPOE training on Cerner. Rotating through the department will provide the resident an opportunity to meet and work with a various members of the pharmacy staff. The resident will participate in various clinical topic discussions as well as begin working on the required MUE and research project.

Trauma Critical Care

Required, 2 months

Rebecca Rich, PharmD, BCPS, BCCCP
Jennifer Montero, PharmD, BCPS, BCCCP
Michael Semanco, PharmD, BCPS, BCCCP

The Trauma Critical Care experience will provide the resident an opportunity to develop the pharmacotherapeutic skills necessary to care for critically ill trauma patients. The first month of Trauma Critical Care will focus on general trauma management. The second month will focus on neurosurgical patients. These experiences add on to the skills learned in Critical Care and provide the resident an opportunity to develop and refine the pharmacotherapeutic skills necessary to care for a variety of critically ill patients.

Required Longitudinal Learning Experiences

Code 99

Required, longitudinal

Assigned Code 99 Advisor

The Code 99 longitudinal experience will require the resident to actively participate within the multidisciplinary code response team. The resident is expected to participate in a variety of roles throughout the year, including medication preparation and dispensing, chest compressions, recorder, problem solver, or any other role that does not require specific licensure. Additionally, the PGY2 Critical Care resident is expected to act as a mentor to the PGY1 residents during Code 99 response.

<p style="text-align: center;">Presentations</p> <p>Required, longitudinal</p> <p>Assigned Presentation Advisor</p>	<p>The Presentations longitudinal experience will provide the resident an opportunity to formally present pertinent topics in multiple formats to various members of the multi-disciplinary team. The purpose of these presentations is to educate other members of the healthcare team, learn how to present to professionals with a variety of expertise and healthcare experience, and gain confidence in public speaking. The resident is required to formally present once each quarter to the healthcare team, including physicians, nurses, respiratory therapists, and/or pharmacists. Additionally, a one hour continuing education presentation (seminar) to the pharmacy staff (along with members of the multidisciplinary team) is required.</p>
<p style="text-align: center;">Professional Development</p> <p>Required, longitudinal</p> <p>Selected Residency Advisor</p>	<p>The Professional Development longitudinal experience will foster the professional evolution and personal progression of the resident through a variety of non-patient care related activities. This experience will provide the resident opportunities to learn how to positively contribute to his/her own development as well as contribute to the healthcare system as a whole. The resident is required to present a P&T monograph or drug class review, participate in P&T and ICU Committee meetings, actively participate in the recruitment and selection of the next PGY2 Critical Care resident, and complete the PGY2 Critical Care Pharmacy Resident Topic Review List.</p>
<p style="text-align: center;">Research</p> <p>Required, longitudinal</p> <p>Assigned Research Advisor</p>	<p>The Research longitudinal experience will require the resident to complete an MUE and formal research project through the course of the year. The resident is the primary investigator and responsible for developing the research idea, obtaining IRB approval, data collection and analysis, and drawing conclusions with the assistance of research advisors. A poster presentation of the MUE results is taken to the ASHP Midyear Clinical Meeting. The research project results are presented at the Florida Residency Conference (FRC). Both projects are also presented at the pertinent LRH committees. A research project manuscript is prepared and submitted for publication prior to the completion of the residency year.</p>
<p style="text-align: center;">Staffing</p> <p>Required, longitudinal</p> <p>Assigned Staffing Advisor</p>	<p>The Staffing longitudinal experience allows the resident to provide complete patient care as a decentralized unit based pharmacist from 0700-1930 Saturday and Sunday when scheduled. The resident will be responsible for verifying orders, providing pharmacotherapy consult services, ordering & monitoring TPNs, responding to Code 99s, resolving physician & nursing medication problems, and being present as a drug information resource. In addition, the resident is expected to review all patients' medication profiles and pertinent history in an effort to optimize outcomes by proactively intervening on patient medication issues.</p>

Elective Learning Experiences (two months)

Informatics

Elective, 1 month

Doug Geer, PharmD, BCPS

The Informatics experience will expose the resident to the organization's medication-use systems by applying pharmacy informatics principles, standards, and best practices. The resident will gain a basic understanding of the language and concepts of information technology and learn how these concepts apply clinically. They will also be exposed to the EHR, CPOE, pharmacy information system maintenance, integration of automated dispensing cabinets, decision support, ADR surveillance, and integration of medication management systems that enable bar code medication administration and use of "smart" infusion pump technology.

Pain management

Elective, 1 month

Anthony Pazanese, PharmD
June Vasquez, PharmD, BCPS

The Pain Management experience will provide an opportunity for the resident to develop and refine assessment and pharmacotherapeutic skills as related to the treatment of acute and chronic pain. The resident will gain exposure to a variety of pain conditions including acute postoperative pain, trauma-related pain, chronic pain syndromes, and pain complicated by the presence of substance abuse. Exposure to emergency pain syndromes and acute pain issues in the ICU are a routine part of this learning experience.

Psychiatry

Elective, 1 month

Melody Stevens, PharmD, BCPS

The Psychiatry experience is designed to develop and refine the resident's skills in psychiatric pharmacotherapy, drug information, patient monitoring, and patient education / communication. This elective learning experience takes place in the Mental Health Units encompassing 65 total beds (1S Mental Health and Addictions Unit, the Memory Disorder Unit, and the Adolescent Psychiatry Unit). Although the learning experience is not specific to critically ill patients, the resident will learn concepts and skills that will be directly applicable to the care provided to critically ill patients in the intensive care units.

Intensification of Required Learning Experience

Elective, 1 month

Preceptor - TBD

The resident may choose to intensify any required or elective rotation as an additional elective experience. These experiences will be developed at the discretion of the resident and will be highly tailored to the specific needs / requests of the resident. The experience may vary in length but will be at least two weeks in duration.