Postgraduate Year Two (PGY2) Critical Care Pharmacy Residency Program

Introduction

The MUSC Medical Center is a 690-bed tertiary care academic medical center providing care for patients of Charleston and throughout the state of South Carolina. In addition to general medical and surgical services, MUSC offers a variety of specialty services including cardiothoracic, transplant and neurosurgery, level I trauma center, digestive disease, psychiatry and level III neonatal intensive care. The medical center is comprised of four hospitals, Ashley River Tower, Children's Hospital, Institute of Psychiatry, and University Hospital. Outpatient facilities include the Hollings Cancer Center, Ashley River Tower Clinics, Rutledge Tower Clinics, Family Medicine Center and affiliated faculty practice ambulatory care centers.

The Department of Pharmacy Services provides service to patients on a 24 hour basis through multiple inpatient and ambulatory pharmacies to fulfill the department's mission, vision, and goals of providing optimal pharmaceutical care to all patients

The residency in critical care is an ASHP-accredited specialized residency consisting of 12 months of training and experience. The program allows sufficient flexibility to adapt to the interests and needs of the individual resident, yet provides the basic foundation for quality clinical practice in critical care. Upon completion of this comprehensive program, the resident will be prepared to enter a clinical practice position or a fellowship program.

Purpose

The Postgraduate Year Two (PGY2) Critical Care Pharmacy Residency Program is designed to develop accountability; practice patterns; habits; and expert knowledge, skills, attitudes, and abilities in the respective advanced area of pharmacy practice. The Critical Care Pharmacy Residency Program builds upon the broad-based competencies achieved in a PGY1 residency, deepening the resident's ability to provide care in the most complex of cases or in the support of care through practice leadership. Therefore, the Critical Care Pharmacy Residency Program provides residents with the opportunity to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and transforming both into improved medication therapy for patients. A pharmacy resident who successfully completes the PGY2 Critical Care Pharmacy Residency Program should be prepared to enter into a clinical practice position in hospital-based environment, academia via more enhanced fellowship training, or a combination of academia and practice affiliated with a College of Pharmacy." They should also possess the competencies that enable attainment of board certification in the practice area (ie. BCPS).

Outcomes

Specific residency goals and objectives will be established in the beginning of the residency modified according to the resident's interests and previous experiences and advisor input. To meet the purpose of the residency, the resident will advance to achieve the following outcomes:

- Demonstrate leadership and practice management skills.
- Optimize the outcomes of critically ill patients by providing evidence-based medication therapy as an integral part of an interdisciplinary team.
- Demonstrate excellence in the provision of training, including preceptorship, or educational activities for health care professionals and health care professionals in training.
- Demonstrate the skills necessary to conduct a critical care pharmacy research project.
- Participate in the management of medical emergencies.
- Perform quality improvement activities aimed at enhancing the safety and effectiveness of medication-use processes in the critical care area.
- Provide formalized critical care medication-related information.
- Contribute the critical care pharmacy perspective to planning for and/or management of mass casualty events.
- Demonstrate skills required to function in an academic setting.

The Residency Experience

The residency is designed to provide a diverse experience, while focusing on the needs of the individual resident. Residents may tailor elective rotations to meet their particular goals and career needs. Residents are provided with formal written evaluations following each monthly rotation in order to provide for an optimal experience. Residents are assigned to an advisor from among the critical care preceptors. The advisor is responsible for evaluating, guiding and working with the resident in order to provide the most optimal residency experience.

Required core rotations for 1 to 2 months are available in the following areas:

Trauma/General Surgery

Transplant

Medical Intensive Care

Cardiothoracic Surgery

Neurosurgery/Neurosciences

Electives*

Elective rotations are available in infectious diseases, pain management, pediatric intensive care, pediatric surgery, research, adult internal medicine, neurology, emergency medicine, and hematology/oncology.

Preceptors

Joseph Mazur, B.S., Pharm.D., BCPS
Clinical Pharmacy Specialist, MICU
Clinical Associate Professor
Practice/Research: Medical ICU

Cathy Worrall, Pharm.D., B.S.N., R.N., BCNSP
Clinical Pharmacy Specialist, Trauma/Nutrition
Clinical Assistant Professor
Practice/Research: Trauma/Gen. Surgery

Walter Uber, B.S., Pharm.D.
Clinical Pharmacy Specialist, Cardiothoracic Surgery
Clinical Professor
Practice/Research: Cardiothoracic Surgery/Heart Transplant

Nicole A. Wiemert, Pharm.D., BCPS
Clinical Pharmacy Specialist/Solid Organ Transplant
Clinical Assistant Professor
Practice/Research: Transplant

Wendy Bullington, Pharm.D., BCPS
Clinical Pharmacy Specialist, ER/Pulmonary
Clinical Assistant Professor
Practice/Research: Pulmonary/Emergency Medicine

Ron Neyens, Pharm.D.
Clinical Pharmacy Specialist, Neurosurgery
Clinical Assistant Professor
Practice/Research: Neurosurgery/Neurosciences

Marc Lapointe, B.Sc., Pharm.D., BCPS, BCNSP
Associate Professor
Practice/Research: Neurosciences

Dave Taber, Pharm.D., BCPS
Clinical Pharmacy Specialist/Solid Organ Transplant
Clinical Assistant Professor
Practice/Research: Transplant

On-site interviews will be required.

For further information contact:

Residency Program Director
Joe Mazur, Pharm.D., BCPS, BCNSP
Department of Pharmacy Services
Medical University of South Carolina
PO Box 250132
43 Sabin Street, QE213

Charleston, South Carolina 29425
Office: (843) 792-5686
Fax: (843) 792-0566
e-mail: mazurj@musc.edu