Postgraduate Year Two (PGY2) Oncology 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.

Included in the patient population served by MUSC are hematology/oncology patients of Charleston, the surrounding low country of South Carolina, and out of state referrals. The adult inpatient hematology/oncology wing at MUSC is a 25-bed unit serving the range of medical oncology, hematology, and stem cell transplant patients. The Hollings Cancer Center serves the needs of the areas adult and pediatric outpatient hematology/oncology patients, including an innovative outpatient stem cell transplant program. MUSC also provides comprehensive cancer services, including pediatric oncology, gynecologic oncology, surgical oncology, and radiation oncology.

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. Comprehensive clinical pharmacy services are provided on a 24 hour basis by full-time oncology clinical pharmacy specialists. The Hollings Cancer Center Pharmacy provides 7 day per week pharmacy services for the ambulatory oncology and blood/marrow transplant patients.

Purpose

The Postgraduate Year Two (PGY2) Oncology 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 Oncology 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, Oncology Pharmacy Residency Programs provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and transforming both into improved medication therapy for patients. A resident who successfully completes an accredited PGY2 Oncology Pharmacy Residency Program should possess competencies that enable attainment of board certification in the practice area (i.e. BCOP).

Additionally, The MUSC PGY2 Oncology Pharmacy Residency is committed to developing expert clinical specialists. Residents who graduate from our program are prepared to enter clinical practice or assume a faculty role within a college of pharmacy.

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:

- Serve as an authoritative resource on the optimal use of medications used to treat individuals with cancer.
- Optimize the outcomes of the care of individuals with cancer by providing evidence-based, patient-centered medication therapy as an integral part of an interdisciplinary team.
- Manage and improve the medication-use process in oncology patient care areas.
- Demonstrate excellence in the provision of training or educational activities for health care professionals and health care professionals in training.
- Promote health improvement, wellness, and cancer prevention.
- Sustain the ongoing development of expertise and professionalism in the practice of oncology pharmacy.
- Conduct oncology pharmacy practice research.
- Function effectively in oncology settings participating in clinical investigations.
- Optimize the outcomes of patients with hematologic disorders by providing evidence-based medication therapy as an integral part of an interdisciplinary team.
- Publish on cancer-related topics.

The Residency Experience

The experiences that can be gained from this site by a hematology/oncology pharmacy resident include a balance of acute and ambulatory patient care that spans the range of hematology/oncology patients (adult medical oncology, adult hematology, stem cell transplantation, gynecologic oncology, pediatric oncology, and radiation oncology). The resident will be involved with and learn: management of various malignant solid tumors and lymphomas, management of acute and chronic leukemias, management of autologous and allogeneic stem cell transplant patients, specific dosing/compounding/monitoring of all chemotherapeutic agents, promotion of the rationale use of colony-stimulating factors and antiemetic therapies, and promotion of appropriate supportive cancer care (particularly cancer pain management) in both the inpatient and outpatient hematology/oncology settings. The resident will also have various levels of involvement in clinical research, department of pharmacy service projects, and teaching of baccalaureate and doctor of pharmacy students. Didactic work includes preparation/participation in weekly oncology "Killer Sessions", as well as the oncology fellows weekly journal club.

Learning Experiences	
Orientation(includes orientation to staffing and outpatient BMT)	1 month
Adult inpatient hematology /oncology /blood & marrow transplant	4 months (2 x 2 month blocks)
Adult ambulatory hematology /oncology/blood & marrow transplant	2- 3 months
Pediatric hematology /oncology	1 - 2 months
Gynecologic oncology	1 month
Ambulatory clinic	Longitudinal
Electives (e.g., any of the above and/or Investigational Drugs, Infectious Disease, Research, Drug Information, Gynecologic oncology etc.)	2 months

Teaching

- Potential for lecturing to or leading case discussions with Pharm.D. students.
- Inservices to pharmacy, medical, and nursing staff (inpatient and outpatient).
- Co-preceptor of Pharm.D. on elective hematology/oncology rotations.

Preceptors

Philip D. Hall, Pharm.D., FCCP, BCPS, BCOP
Associate Dean; Associate Professor of Clinical Pharmacy and Outcome Sciences; Clinical Specialist, Hematology/Oncology
Practice/research: Hematology/Oncology

Dominic Ragucci, Pharm. D., BCPS
Clinical Assistant Professor
Clinical Specialist, Pediatrics
Practice: Pediatric Oncology

Larry Buie, Pharm.D., BCPS
Assistant Professor, Clinical Pharmacy and Outcome Sciences
Clinical Specialist, Hematology
Practice/research: Oncology

Kathy Hogan, Pharm.D.
Clinical Assistant Professor, Clinical Specialist, Hematology/Oncology

The resident will also have significant interactions with the staff pharmacists and technicians regularly practicing in the oncology setting.

On-site interviews will be required.

For further information contact:

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