Postgraduate Year Two (PGY2) Ambulatory Pharmacy in Family Medicine 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.

Family medicine at MUSC serves patients requiring inpatient and outpatient primary care needs. Family medicine services provide a level of continuity between the inpatient and outpatient services. The family medicine inpatient rotation encompasses a variety of therapeutic issues and disease states in the general medicine patient. The most common admitting diagnoses include: CHF exacerbation, angina, asthma/COPD exacerbations, community acquired pneumonia, urosepsis/UTI, atrial fibrillation, sickle cell disease, acute thromboembolism (DVT, PE), stroke and complications from diabetes mellitus. The Family Medicine Center is a multidisciplinary health care site consisting of attending physicians, mid-level providers, nursing staff, and pharmacists. It is used as a training site for medical students, physician assistant students, and pharmacy residents and students. The clinic has two patient care areas and also houses a pharmacy and laboratory. The experience at the University Family Medicine focuses on family medicine residency teaching and residency administrative duties.

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 per day basis by family medicine clinical pharmacy specialists. Pharmacy services for outpatient family medicine patients include: diabetes education and management service (also includes hypertension, hyperlipidemia, and preventive care), anticoagulation management service, drug information services, and multidisciplinary patient education and disease state management.

Purpose

The Postgraduate Year Two (PGY2) Ambulatory Pharmacy in Family Medicine 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 Ambulatory Pharmacy in Family Medicine 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 Ambulatory Pharmacy in Family Medicine residency provides 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 Ambulatory Pharmacy in Family Medicine Residency Program should possess competencies that enable attainment of board certification in the practice area (i.e. BCPS).

Pharmacy residents completing the PGY2 AmCare Residency at MUSC will be competent and confident in the management of medication therapy for various disease states in a variety of health care settings. The resident will demonstrate proficiency in communication and in the education of other health care professionals, patients, and students. Upon completion of this comprehensive training program, the resident will be prepared to serve as both a clinician and teacher/consultant in an ambulatory care position such as: AmCare Clinical Specialist or Clinical Ambulatory Care Faculty member.

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:

- Establish a collaborative interdisciplinary practice.
- In a collaborative interdisciplinary ambulatory practice provide efficient, effective, evidence-based, patient-centered treatment for chronic and/or acute illnesses in all degrees of complexity.
- Demonstrate leadership and practice management skills.
- Promote health improvement, wellness, and disease prevention.
- Demonstrate excellence in the provision of training or educational activities for health care professionals and health care professionals in training.
- Serve as an authoritative resource on the optimal use of medications.
- Where the practice includes integrated care such as in family medicine, provide efficient, effective, evidence-based, patient-centered treatment for chronic and/or acute illnesses in all degrees of complexity to hospitalized patients.

The Residency Experience

The experiences that can be gained from this site by an ambulatory pharmacy resident in family medicine include a balance of acute and ambulatory patient care, with an emphasis on providing continuity of care, educating family medicine residents, and focusing on evidence-based medicine. The resident will be involved with and learn about the following topics while completing their inpatient rotations: CHF exacerbation, angina, asthma/COPD exacerbations, community acquired pneumonia, urosepsis/UTI, atrial fibrillation, sickle cell disease, acute thromboembolism (DVT, PE), stroke and complications from diabetes mellitus. The resident will be involved with and learn about the following topics while completing their outpatient rotations: anticoagulation, diabetes mellitus, dyslipidemia, hypertension, smoking cessation, asthma/COPD, women's health, and preventive care. The resident will also have various levels of involvement in clinical research, department of pharmacy service projects, and teaching of doctor of pharmacy students and family medicine residents. The resident will also focus on evidence-based medication on all rotations and will attend "Bar-N-Grill" sessions and focus on teaching evidence-based medicine concepts to family medicine residents while on inpatient rotations. In addition, the resident will facilitate/evaluate monthly ambulatory care journal club, facilitate a monthly discussion group related to ambulatory care, and facilitate asthma lecture to third year medical students on a quarterly basis. The resident will also complete an ACPE-accredited seminar and a residency interactive teaching experience (RITE).

Learning Experiences	
Orientation(includes orientation to staffing at Family Medicine Pharmacy)	1 month
Adult inpatient family medicine (MUSC)	3 months
Adult outpatient family medicine (MUSC)	6 months
University Family Medicine- teaching, research, administration	2 months

Teaching

- Deliver at least one hour of didactic lecture to pharmacy students (required).
- Facilitate monthly primary care discussion group and journal club (required), facilitate other small group sessions for the department of family medicine or the South Carolina College of Pharmacy (optional)
- Co-preceptor of pharmacy students on family medicine rotations (optional).
- Asthma lecture to 3rd year medical students quarterly (required).
- In-services to family medicine inpatient team (at least one/rotation required, more optional).
- Participate and deliver family medicine resident "skills seminar" as needed when on rotation at University Family Medicine (required).
- Evaluate at least three pharmacy student grand rounds (required).
- Participate in academician preparation program (optional).

Preceptors

Sarah Shrader, PharmD, BCPS
Assistant Professor
South Carolina College of Pharmacy
Family Medicine clinical specialist, MUSC

Kelly Ragucci, PharmD, FCCP, BCPS
Associate Professor
South Carolina College of Pharmacy
Family Medicine clinical specialist, MUSC

Lori Dickerson, PharmD, FCCP, BCPS
Professor
(Associate residency director for family medicine)
Dept. of Family Medicine, MUSC

The resident will also have significant interactions with the staff pharmacists and technicians regularly while staffing in the outpatient Family Medicine Pharmacy.

On-site interviews will be required.

For further information contact:

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