



Pharmacotherapy Specialty Residency

Texas Tech University Health Sciences Center
School of Pharmacy and
The Dallas VA Medical Center

Philosophy:

The specialty residency in Pharmacotherapy at Texas Tech University Health Sciences Center School of Pharmacy Dallas/Ft. Worth Regional Campus is designed to produce practitioners who exhibit excellence in pharmaceutical care regardless of practice setting. A pharmacotherapy specialist should possess a mastery of clinical skills needed to practice in a wide range of patient care settings and a solid knowledge base in pharmacotherapy. The residency provides the environment necessary to achieve the knowledge and skills needed to care for patients with a wide range of disease states. The program will prepare the resident for the board certification examination in pharmacotherapy and will foster the development of an independent, versatile practitioner. The program is also designed to produce well rounded, independent professionals through experiences in teaching, basic clinical research, and professional activities.

General Description:

The 24-month program is designed to lead the resident through a variety of integrated practice experiences. By the end of the program, the resident should feel equally competent practicing within both inpatient and outpatient settings. The residency includes core rotations that are chosen to establish a strong base in general medicine and to meet the requirements of a Pharmacy Practice Residency. The resident may choose electives based on his/her career goals. Although the residency is designed around the 24 rotations, the focus of the training will be to master each of the disease states established within the ASHP/ACCP Practice Standards for a Specialized Residency in Pharmacotherapy Practice.

Program Goals:

Practice Excellence

- Develop a mastery of knowledge base in pharmacotherapy.
- Develop solid patient care skills in acute, ambulatory, and chronic care settings.
(Should achieve excellence in one major area)
- Develop a sound understanding of pharmacy practice management.
- Establish yourself as an integral member of a health care team.

Scholastic Excellence

- Demonstrate proficiency in teaching in both didactic and small group learning environments.
- Develop effective precepting skills.

Generate new knowledge in Pharmacotherapy.
Interpret and disseminate knowledge in Pharmacotherapy.

Individual Excellence

Develop a system of self assessment and development.
Demonstrate exemplary verbal and written communication skills.
Utilize a system for balancing multiple work-related and personal responsibilities.
Understand the importance of professionalism through participation in pharmacy organizations and service.

Program Activities:

Required Rotations:

Internal Medicine (4 months)
Infectious Diseases (1 month)
Hematology/Oncology (1 month)
Medical Intensive Care Unit (1 month)
Coronary Intensive Care Unit (1 month)
Surgical Intensive Care Unit (1 month)
Ambulatory Care Medicine (2 months)
Drug Information (1 month)
Geriatrics (1 month)
Psychiatry (1 month)
Pediatrics (1 month)

Elective Rotations

(based on past experience and career goals)
Pain Management
Rheumatology
Gastroenterology
Neurology
Nephrology
Poison Control
Hospital Management
Emergency Medicine
Research Project Development

Longitudinal Clinics

Residents will be required to spend one afternoon each week in a clinic mutually arranged by the resident and program director during the first year. Residents will rotate clinics every six months in the various outpatient clinics. The second year will include working in the pharmacotherapy clinic one afternoon each week. Potential clinic opportunities are available in: Anticoagulation, Asthma Education, Diabetes, Hepatitis C, Infectious Disease, HIV, CHF, Internal Medicine, Lipid, Pain Management.>

Teaching Activities:

Residents are appointed as Assistant Instructors with Texas Tech UHSC School of Pharmacy. Teaching activities for residents are designed to complement practice activities while allowing the resident to experience a variety of teaching methods.

Clinician-Educator Training Program

Structured throughout the residency, this program provides training for residents who are interested in developing their academic skills. The major goal of the training program is to supplement a strong clinical background with the skills needed to become a successful educator. The program includes didactic and web-based teaching models, mentored facilitator training for small-group problem-based learning, and precepting of third and fourth-year Doctor of Pharmacy students. Residents also receive instruction in grant writing, statistics, and clinical trial design; submit a project proposal to the institutional review board; and collect, interpret, and publish their results. Additional activities to enhance discovery, integration, and writing skills are described. The program also includes innovative discussion topics based upon needs previously identified by new faculty members. Examples include handling difficult students, writing test questions, developing consistent evaluation methodism and balancing life outside of career.

Didactic Teaching

1-2 hours of formal didactic lecturing within the school of pharmacy programs. The courses that are to be taught will be based on availability and resident interest.

Problem-Based Learning

1 semester as a group facilitator in case studies (P3 class). The case studies course is a student-directed exercise that focuses on pharmaceutical care for an individual patient. It is designed to be a problem based learning experience in which students see an initial patient presentation. They then spend the next 3 to 4 sessions developing a patient care plan and addressing self-identified learning issues. Both pathophysiology and therapeutic knowledge are incorporated. The facilitator's role is not to teach the students, but rather to facilitate their discussion. During the semester, this course meets twice a week for two hours.

Experiential Teaching

Clerkship teaching (involving both P3 and P4 students) is integrated into the resident practice model. Early in the program, the resident will observe faculty clerkship preceptors and become integrated into various aspects of clerkship teaching. At the end of the residency program, residents have the opportunity to independently precept clerkship students>

Residency Project:

Residents will complete one project per year. Residents may chose any type of research project or quality improvement program, provided that the project:

1. includes generation of original data;
2. is suitable for publication or presentation at a national pharmacy meeting;
3. can reasonably be completed within the residency year.

Additional Activities:

Manuscript Preparation

Residents are required to submit one manuscript per year for publication in a refereed journal.

Southwestern Leadership Conference

Residents participate in this regional residents meeting, also known as ALCALDE, in the spring. Residents have the opportunity to present their project results for evaluation. It is also a great opportunity to interact with residents from other programs throughout the region.

Distributive Requirements

Residents are required to practice in the pharmacy discharge clinic at the Dallas VA Medical Center one weekend per month. In addition, the pharmacotherapy resident will also carry the drug information/on-call pager one every 6-8 weeks.

Program Leadership

Anthony J. Busti, Pharm.D., BCPS

Assistant Professor of Internal Medicine

Pharmacotherapy Residency Program Director

Dr. Busti received his Bachelor of Science in Nursing at the University of the Incarnate Word in San Antonio and his Doctor of Pharmacy degree from Texas Tech University Health Sciences Center School of Pharmacy. Dr. Busti completed an ASHP accredited specialty residency in primary care at the University of Texas at Austin College of Pharmacy and Scott & White Memorial Hospital in Temple, Texas. His current inpatient clinical practice includes working with an internal medicine team from the University of Texas Southwestern School of Medicine and in an outpatient Pharmacotherapy Clinic at the Dallas VA Medical Center.



Ronald G. Hall II, Pharm.D.

Assistant Professor of Infectious Diseases

Dr. Hall earned his Doctor of Pharmacy degree from the St. Louis College of Pharmacy. His postdoctoral training includes completion of a Pharmacy Practice Residency at Baptist Memorial Healthcare in Memphis (2000-2001) and an Infectious Diseases Specialty Residency at the South Texas Veterans Healthcare System in San Antonio. Dr. Hall's research interests focus on antimicrobial resistance including extended-spectrum beta-lactamase producing organisms and multi-drug resistant *Pseudomonas aeruginosa*, the effects of antimicrobial use patterns on the development of resistance, and antifungal therapy. He has authored several publications relating to anti-infective therapy and has enjoyed the opportunity to speak on related infectious disease topics to physicians, pharmacists, and nurses. Dr. Hall is active in national organizations including the Society of



Infectious Diseases Pharmacists, the American College of Clinical Pharmacy, and the American Society for Microbiology.

Sachin Shah, Pharm.D., BCOP

Assistant Professor

Clinical Pharmacist Specialist in Hematology/Oncology

Dr. Shah received his Doctor of Pharmacy degree from Texas Tech University HSC – School of Pharmacy and completed his Pharmacy Practice Residency at the Baptist Health System in San Antonio, Texas. Thereafter, he completed specialty residency in Hematology/Oncology at the South Texas Veterans Health Care System, Audie L. Murphy division and the University of Texas HSC, San Antonio. Dr. Shah is active in several professional organizations including the American Society of Clinical Oncology, the American College of Clinical Pharmacy and the Texas Society of Health-System Pharmacists. He serves as a reviewer for the journal Annals of Pharmacotherapy.



Sara Brouse, Pharm.D., BCPS

Assistant Professor of Pharmacy Practice

Critical Care Specialty Residency Program Director

Critical Care/Cardiology at the Dallas VA Medical Center

She received her Doctor of Pharmacy degree from the University of Missouri-Kansas City in 1997. Dr. Brouse completed a pharmacy practice residency & critical care specialty residency at the University of Kentucky Medical Center. She is currently President of the DFW Chapter of the American College of Clinical Pharmacy. Dr. Brouse's research interests include decompensated heart failure, acute coronary syndromes, & sedation/analgesia in critically ill patients.



Angela Treadway, Pharm.D., BCPS

Assistant Professor of Pharmacy Practice - Geriatrics

Dr. Treadway received her Doctor of Pharmacy degree from the University of Texas at Austin and completed a Pharmacy Practice Residency at Methodist Hospitals of Memphis, Tennessee and a Primary Care Residency at the South Texas Veterans Health Care System in San Antonio, Texas.



Kevin C. Kelly, Pharm.D., BCPS

Dr. Kelly is a Drug Information Specialist and the Pharmacy Research Program Manager at the Veterans Affairs North Texas Health Care System and is based in Dallas. He has been at the Dallas VANTHCS since 1999. Dr. Kelly's areas of interest include formulary management, pharmacoepidemiology, and pharmacoconomics. Dr. Kelly actively participates with professional societies including the American Society of Health-System Pharmacists, the American College of Clinical Pharmacy, and the Dallas area chapter of the American College of Clinical Pharmacy. Dr Kelly received his Bachelor of Arts degree in Biology from the University of Texas at Austin and his Doctor of Pharmacy degree from the University of Texas at Austin and the University of Texas Health Science Center at San Antonio. He completed an ASHP accredited Pharmacy Practice Residency at the Veterans Affairs North Texas Health Care System.

Rick A. Weideman, Pharm.D., BCPS

Dr. Weideman is a Drug Information Specialist at the Veterans Affairs North Texas Health Care System and is based in Dallas. He has been at the Dallas VANTHCS since 1989. He is affiliated as an Adjunct Assistant Professor of pharmacy practice at the Texas Tech Health Sciences Center School of Pharmacy, and a Clinical Assistant Professor of Pharmacy at the University of Texas at Austin College of Pharmacy. Dr. Weideman's areas of interest include formulary management, pharmacoconomics and Pharmacoepidemiology. Dr. Weideman is an active research investigator and has published in major medical journals. Dr. Weideman received his Doctor of Pharmacy degree from the University of Illinois College of Pharmacy in Chicago, Illinois. He obtained Board Certification in Pharmacotherapy in 1994 and 2001.

Cynthia Foslien-Nash, Pharm.D., BCPP

Dr. Nash is Clinical & Education Programs Manager at the Veterans Affairs North Texas Health Care System, Pharmacy Service and is based in Dallas. She has been at the Dallas VANTHCS since 1986. Dr. Nash is affiliated as an Adjunct Assistant Professor of pharmacy practice at the Texas Tech Health Sciences Center School of Pharmacy, and a Clinical Assistant Professor of Pharmacy at the University of Texas at Austin College of Pharmacy and is a Clinical Assistant Professor in the Department of Psychiatry at Southwestern Medical School. Her areas of interest include pharmacy education and management, and clinical areas of: schizophrenia, bipolar disorder and mental health patient counseling, education and compliance. Dr. Nash received her Bachelor of Science in Life Sciences degree from the University of Nebraska – Lincoln and her Doctor of Pharmacy degree from the University of Nebraska Medical Center - College of Pharmacy and completed an ASHP accredited specialty residency in Psychiatric Pharmacy Practice at the University of Texas Health Science Center in San Antonio, Texas. She obtained Board Certification in Psychiatric Pharmacy in 1996.

Current Residents

2005 - 2007

Kenna Payne, Pharm.D.

Dr. Payne received her Pharm.D. from the Texas Tech University Health Sciences Center School of Pharmacy in 2005. Her current research project is examining the different equations used to estimate renal function and how values obtained in different patient populations may influence drug therapy decisions.



She is currently a member of the American Society of Hospital Pharmacy and the American College of Clinical Pharmacy. Her professional interests include critical care, infectious disease, and cardiology. Future plans include pursuing a position as a Critical Care Pharmacy Specialist, working in academia, and being a preceptor for pharmacy students.

Alumni

2003 - 2005

Justin S. Hooper, Pharm.D.

Dr. Hooper graduated from the University of Texas at Austin in 2000. Upon graduation, Dr. Hooper worked as a staff pharmacist at North Hills Hospital in North Richland Hills, Texas. Upon completion of the residency, Dr. Hooper accepted an assistant professor faculty position with Texas Tech University Health Sciences Center School of Pharmacy Dallas Fort Worth Regional Program in the area of Primary Care. His current clinical practice site is the Fort Worth clinics for the VA North Texas Health Care System.



Site Information:

Where is Dallas:

The City of Dallas is located in North Texas and is home to over 1 million people, which makes it the second largest city in Texas. Dallas makes up one part of the Metroplex which also includes Arlington and Ft. Worth. It is also approximately 4 hours from Austin and 3 hours from Oklahoma City. Dallas residents also enjoy sporting entertainment (Dallas Mavericks – basketball, Dallas Stars – hockey, Texas Rangers – baseball, and Dallas Cowboys - football), Six Flags over Texas, Wet-n-Wild Water Park, and a variety of arts entertainment.



Description of DVAMC:

The Veterans Affairs North Texas Health Care System (VANTHSC) consists of three campuses including the Dallas VA Medical Center, Sam Rayburn Memorial Hospital in Bonham, and the Fort Worth Outpatient Clinic. The Dallas VA Medical Center, located 10 miles south of downtown Dallas, is a 571-bed inpatient facility with a new outpatient facility opened in 1999. The Dallas VAMC has a 48-bed Intensive Care area in the Clinical Addition, a state-of-the-art building that was completed in 1998.



Intensive Care Units are divided into the Surgical ICU, Thoracic ICU, Medicine ICU, and Cardiology ICU. Each of the four Intensive Care Units have computerized medical charts, medical administration records (MAR), bedside computer monitors for each patient, and physician order entry capabilities. A 50-bed telemetry stepdown unit is also housed within the Clinical Addition. The DVAMC is also a major training site for multiple health care professionals and is one the main teaching hospitals for residents and fellows from the University of Texas Southwestern (UTSW) Medical Center of Dallas. The UTSW is currently ranked 5th in the nation for research. Other Dallas training centers include the Childrens Medical Center, Harris Methodist Hospital, Presbyterian Hospital, and the Poison Control Center at Parkland Memorial Hospital.

TTUHSC:

The main School of Pharmacy was established by the Texas Legislature in 1993 and is now located in a new 102,000-sq. ft. building in Amarillo, Texas. This state of the art facility includes a Drug Information Center, multimedia classrooms, two computer classrooms, and a pharmacy practice laboratory with a patient communication skills training center. The School provides education and training for 72 entry-level PharmD students per class. Faculty and students have access to computerized drug information systems and all educational materials by connecting to a dataport within the School or via telephone when outside of the School. The Dallas/Ft. Worth Regional Campus began in 1999 and currently trains approximately 36 third year and 36 fourth year PharmD students coming from the Amarillo campus after completing their first 2 years. There are also 13 pharmacy practice faculty currently practicing in the DFW area.

The residency training programs at Texas Tech University Health Sciences Center School of Pharmacy are designed to produce practitioners who exhibit excellence in patient care. The programs offer diversity in training through a wide range of Pharmacy Practice and Specialty Programs over multiple campuses. Each program supported by Texas Tech is unique based upon curriculum and practice setting. However, all Texas Tech residency programs maintain consistent core values. **All programs:**

- are built upon an active learning and self-assessment process
- are established on a foundation of active patient care services
- recognize the importance of adhering to national standards for training
- support a team approach to mentoring and training
- stress the importance of developing well-rounded practitioners while supporting individual career goals

Information for Applicants

Qualifications:

- Residency applicants must have a Pharm.D. degree
- Be eligible for licensure in Texas

Information regarding application materials, processes, and deadlines can be found under ***Applicant Information***.

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