



Texas Tech University Health Sciences Center
School of Pharmacy
Dallas/Fort Worth Regional Center

Department of Veterans Affairs
North Texas Health Care System
Dallas, Texas



ASHP-Accredited Postgraduate Year Two (PGY2) Ambulatory Care Pharmacy Residency

Program Director:
Krystal L. Edwards, Pharm.D., BCPS

Philosophy:

The ASHP- accredited PGY2 specialty residency in Ambulatory Care 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 in Ambulatory Care practice settings. An Ambulatory Care 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 Ambulatory Care 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 foster the development of an independent and versatile practitioner. The program is also designed to produce well rounded, independent professionals through experiences in teaching, research, and professional activities.

General Description:

The 12-month program is designed to lead the resident through a variety of longitudinal practice experiences. By the end of the program, the resident should feel competent practicing within a variety of outpatient settings involving Ambulatory Care pharmacotherapy. The residency includes core rotations that are chosen to establish a strong base in Ambulatory Care. Core Ambulatory Care disease states within this residency include diabetes mellitus, hypertension, anticoagulation, heart failure, and hyperlipidemia. The resident may choose electives based on his/her career goals. Although the residency is designed around these core and elective longitudinal rotations, the focus of the training will be to master each of the disease states established within the ASHP Practice Standards for a Specialized Residency in Ambulatory Care Pharmacy Practice.

Program Goals:

Practice Excellence

- Develop a mastery of knowledge base in Ambulatory Care pharmacotherapy
- Develop solid patient care skills in the ambulatory chronic care settings
 - ◆ Should achieve excellence in core Ambulatory Care disease states
- 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 Ambulatory Care Pharmacotherapy
- Interpret and disseminate knowledge in Ambulatory Care Pharmacotherapy

Individual Excellence

- Develop and improve upon a system of self assessment skills
- 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

For additional information, please refer to the **ASHP Ambulatory Care Pharmacy Residency (PGY2) Educational Goals and Objectives**.

Program Activities:

The residency experiences are divided into half-day blocks (total of 10 half-days per week). All rotations are offered as longitudinal experiences with each rotation offered in quarterly blocks. The resident is required to take all of the Required Rotations in each of the quarters. However, the Elective Rotations only run for the specific quarter the resident is assigned (but these may be repeated in subsequent quarters if more experience in that specific area is desired). All longitudinal experiences are completed at the Dallas/Fort Worth VA Medical Center unless otherwise noted below.

Required Rotations (50-70% of time)

Pharmacotherapy Clinics – Dallas/Fort Worth (3 - ½ days a week)
Anticoagulation Clinic*
Cardiology Clinic
Pediatric Diabetes Camp (1 week in June)
Research Project Development / Administrative Time

Elective Rotations

Anticoagulation Clinic/Class*
Diabetes Clinic – Adult at VAMC
Diabetes Clinic – Pediatric at Children's Medical Center
Drug Information
Geriatrics/Home IV antibiotic therapy
GI Transplant Clinic
Hematology/Oncology Outpatient Clinic
HIV / Infectious Diseases Outpatient Clinics
Mental Health Outpatient Clinic
Renal Clinic

*Clinic will only be required if the resident did not have substantial training in an anticoagulation clinic as a PGY-1 resident.

Teaching Activities:

Residents are appointed as Assistant Instructors with Texas Tech University HSC 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 Residency Certificate Program

The Clinician Educator Training Program is an ACPE-accredited program to provide training for PGY1 and PGY2 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 learning objectives for this program are to develop a personalized teaching philosophy, create evaluable learning objectives and corresponding exam questions for a formal lecture, evaluate students fairly, and to discuss effective teaching methodologies for a given scenario. The program includes didactic and web-based teaching models, mentored facilitator training for small group problem-based learning, and precepting of third and/or fourth-year Doctor of Pharmacy students. Residents also receive instruction in grant-writing, statistical, and clinical trial design; submit a project proposal to the institutional review board; and collect, interpret, and publish their results. Additional activities are provided to enhance discovery, integration, and writing skills. The program also includes innovative discussion topics based on needs previously identified by new faculty members. While the program targets residents with an interest in academia, the skill sets gained through the Clinician-Educator Training Program are applicable to a broad range of career opportunities.

Didactic Teaching

One to two hours of formal didactic lecturing within the school of pharmacy programs shall be required. The courses that are to be taught will be based on availability and resident interest.

Problem-Based Learning

Involvement as a group facilitator in case studies (P3 Pharm.D. students) in both Case Studies II and III are required. 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 pharmaceutical care plan, addressing self-identified learning issues, developing a SOAP note, and finally presenting their plan orally with another group. 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 Pharm.D. 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. During the residency program, residents will independently precept clerkship students for one to two rotations.

Residency Project

Residents will complete one project per year. Residents may choose 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.

Journal Club

Residents will participate in the specialty residents' journal club throughout the year, presenting one formal journal club at this venue. Residents will also present journal clubs throughout the year at the request of individual preceptors.

Other Teaching/Educational Opportunities

Residents will be required to provide in-services for pharmacy, nursing and medical services as required by preceptors. Residency topic discussions will be held at least bimonthly with all primary care faculty members invited and on individual rotations. Residents may also participate in the resident-managed BCPS preparatory course.

Additional Activities:**Manuscript Preparation**

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

Southwestern Leadership Conference (ALCALDE)

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 in a podium presentation. It is also a great opportunity to interact with residents from other programs throughout the region.

Poster Presentation

Residents are also required to present a poster of their work at a national (preferred) or state professional meeting.

Student Interviews

Residents will participate in the interview process for applicants to the Texas Tech UHSC School of Pharmacy.

Annual Assessment

Residents will assist other faculty members with administration and proctoring of the Annual Outcomes Assessment Test.

Information for Applicants:

Qualifications: Residency applicants must have a Pharm.D. degree, be eligible for licensure in Texas, and be eligible for preceptorship in Texas Tech University HSC School of Pharmacy. Candidates for the Ambulatory Care Specialty Residency should have completed a PGY1 Pharmacy Practice Residency. Candidates will be required to consent in writing to undergo a background check prior to employment.

Contact Information

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Site Information:

The Texas Tech School of Pharmacy was established by the Texas Legislature in 1993 and is part of the Texas Tech University Health Sciences Center. The Texas Tech University Health Sciences Center School of Pharmacy graduated its first class in May 2000. The Texas Tech School of Pharmacy is the first publicly funded pharmacy school to be built in the US in 40 years. Founded upon the idealism that tomorrow's pharmacists must be independent thinking and technologically advanced, all education and training utilize problem-based learning techniques with a strong emphasis on computer literacy. All course materials are maintained on the School's World Wide Web servers. The main campus for the school of pharmacy is located in Amarillo. Regional campuses are located in Dallas/Ft Worth, Lubbock and Abilene, Texas.

The Dallas/Fort Worth Regional campus was established in 1999, & has two sites, one resides on the Dallas VAMC campus and the other is within the central Dallas Medical District. Approximately 15 full-time and 25 adjunct clinical faculty as well as 2 distance learning classrooms in DFW support the education and training of more than 80 students in their last 2 years of pharmacy school and 10-15 residents. Residents are actively involved in didactic and clinical teaching and helping facilitate Pharm.D. students in acquiring problem-based learning skills.



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 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 Dallas VAMC campus provides patient care services and conducts clinical research in many inpatient and outpatient specialty areas and draws patients from all over the nation.



The Dallas VAMC campus includes a 571-bed inpatient facility. A new clinical addition opened in 1999 and houses the Dept of Pharmacy Services, ambulatory clinics, and Intensive Care Units. The VANTHCS has state of the art robotics in the pharmacy department and computerized medical information systems. The Department of Pharmacy Services includes 24 clinical pharmacists who provide pharmacy services in a variety of specialty areas.



The Fort Worth Outpatient Clinic is a 41,640 square-foot facility that offers general and specialty clinics in medicine and surgery in the southwest part of Fort Worth. Patients who require hospitalization or more sophisticated outpatient care are referred to Dallas VA Medical Center. Services include primary care, ambulatory surgery, pharmacy, dental, nutrition, physical therapy, audiology, optometry & ophthalmology, ENT, dermatology, podiatry, orthopedics, urology, laboratory, radiology, social work, and women's health. A new, larger facility with more specialty clinics and services is projected to be completed by fall 2010.

Other Dallas training centers for Texas Tech University School of Pharmacy's Residency Program include the Children's Medical Center, Harris Methodist Hospital, Presbyterian Hospital, and Parkland.



Program Leadership:



Krystal L. Edwards, Pharm.D., BCPS
Assistant Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Fort Worth Ambulatory Care Outpatient Clinic

Dr. Edwards has been an Assistant Professor with the Texas Tech UHSC School of Pharmacy since 2002 specializing in Primary Care at the Dallas/Fort Worth Campus. She is responsible for teaching didactic lectures, case-based learning, and is a clerkship preceptor. She is the Team Leader for the Drug Review course and the Advanced Ambulatory Care Elective and Pain Management clerkships. Dr. Edwards completed her Pharmacy Practice Residency at Baptist Memorial Healthcare in Memphis, Tennessee and a Specialty Residency in Primary Care Pharmacy Practice at the University of Tennessee Medical Center in Knoxville, Tennessee. She received her Board Certified Pharmacotherapy Specialist (BCPS) recognition in December 2003. Dr. Edwards is the director for the Dallas/Fort Worth Ambulatory Care Specialty Residency and the Dallas/Fort Worth Regional Residency Coordinator. Dr. Edwards has also been an invited lecturer at Keio, Kitasato, and Kyoritsu University of Pharmacies in their Master of Science pharmacy program as well as served as a preceptor for the Kyoritsu international exchange program at Texas Tech.

Dr. Edwards currently practices at the VA North Texas Health Care System in the Ambulatory Care Outpatient Clinic in Fort Worth. There, she actively participates in managing patients in the areas of diabetes mellitus, hypertension, heart failure, and hyperlipidemia. It is at this site that she precepts VANTHCS Residents and third and fourth year doctor of pharmacy students from the Texas Tech University Health Sciences Center School of Pharmacy.

Dr. Edwards' research interests include diabetes and primary and secondary cardiovascular risk factor reductions (e.g. hypertension, hyperlipidemia, heart failure, metabolic syndrome, and diabetes).

Dr. Edwards is actively involved in several organizations including the American College of Clinical Pharmacy (ACCP), the American Society of Health System Pharmacists (ASHP), the Texas Society of Health System Pharmacists (TSHP), the Dallas/Fort Worth ACCP Chapter and the National Lipid Association (NLA). She was on the 2007 Annual Seminar Planning Committee Member for the TSHP annual meeting and has recently been nominated to the Faculty Committee for the ALCALDLE XXII – Southwest Leadership Conference for Pharmacy Residents, Fellows and Preceptors. Dr. Edwards was on the Board of Directors for the Tarrant County Diabetes Collaboration (TCDC). She is also active in the local American Diabetes Association (ADA) where she has helped to organize/manage lipid screenings at local diabetes expos and volunteered at a local ADA camps. She has served ACCP locally as the Membership Chair, Education Coordinator, and Secretary of the Dallas/Fort Worth ACCP Chapter. She has served nationally on the networking committee for the Ambulatory Care prn for 3 years and was the networking chair for the Endocrine & Metabolism prn for 2 years. She is currently the Secretary/Treasurer for the Endocrine & Metabolism prn.

Current Resident:

Lauren Snodgrass



Dr. Snodgrass is the Ambulatory Care Specialty Resident and an Assistant Instructor at the Veterans Affairs North Texas Health Care System-Dallas and Texas Tech University Health Sciences Center School of Pharmacy. Dr. Snodgrass received a Bachelor of Science in Microbiology degree from the University of Oklahoma in 2003 and her Doctor of Pharmacy in 2007 from the University of Oklahoma Health Sciences Center. She completed a Pharmacy Practice Residency in 2007/08 at the VA North Texas Healthcare System in Dallas.

Dr. Snodgrass's pharmacy practice resident project was *Comparison of LDL-Lowering Effects in Patients Taking Ezetimibe 10mg and 5mg*. Her ambulatory care resident project involves examining effects of combined antiretroviral and atypical antipsychotic therapy on lipid and glucose metabolism. Dr. Snodgrass' practice interests include diabetes and infectious diseases. She is a member of the American Society of Health-System Pharmacists, the Dallas/Ft. Worth chapter of the American College of Clinical Pharmacy, and the Rho Chi Honor Society

Past Residents:

Marissa Escobar



Dr. Escobar is a Pharmacy Clinical Specialist in Primary Care at Parkland Health System in Dallas, Texas working with indigent care patients. She received her Doctor of Pharmacy from the Texas Tech University Health Sciences Center School of Pharmacy in 2004. She completed a pharmacy practice residency at the Dallas VA Medical Center in 2003. Her residency project was the evaluation of first-line therapy for the treatment of hypertension using thiazide diuretics as recommended by JNC VII guidelines. Dr. Escobar was also the chief resident for the Dallas/Fort Worth residency programs during her PGY-1 residency.

Lisa Chastain



Dr. Chastain is an Assistant Professor at Texas Tech UHSC School of Pharmacy and practices at the VA North Texas Health Care System in the Primary Care Outpatient Clinic in Fort Worth., She received her Bachelor of Science in Biology in 2001 from Baylor University and received her Doctor of Pharmacy in 2005 from the University of Houston College of Pharmacy. She completed her Pharmacy Practice Residency at the VA North Texas Healthcare System/ Texas Tech UHSC School of Pharmacy in Dallas. Her pharmacy practice residency project involved provider profiling and education at the Veterans Affairs North Texas Health Care System. Her ambulatory care residency project involved ezetimibe use in HIV+ patients with dyslipidemia. Dr. Chastain was also the chief resident for the Dallas/Fort Worth

residency programs during her PGY-2 residency.

Nicole Russell



Dr. Russell is an Assistant Professor at the University of Missouri Kansas City School of Pharmacy. She has a practice site at the Harry S. Truman Memorial Veterans' Hospital [CMOVAMC]. Dr. Russell received her Doctor of Pharmacy in 2006 from Midwestern University College of Pharmacy-Glendale. She completed a Pharmacy Practice Residency in 2006/07 at the University of New Mexico Hospitals in Albuquerque, New Mexico. Her pharmacy practice resident project was Nafcillin-induced nephrotoxicity: incidence, epidemiology and cross-reactivity with non-penicillin beta-lactams. Her ambulatory care resident project was reviewing the combination thiazolidinedione and fibrate effect on high density lipoprotein concentration (HDL-C). Dr. Russell is an active member of American Society of Health-System Pharmacists and a member of Phi Lambda Sigma.

Preceptors:



April Allen, Pharm.D.

Assistant Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Dallas Ambulatory Care Outpatient Clinics

Dr. Allen is an Assistant Professor of Pharmacy Practice at Texas Tech UHSC School of Pharmacy and an Advanced Practice Pharmacist in Ambulatory Care at the Dallas VA Medical Center. Dr. Allen received her Doctor of Pharmacy degree from the University of Tennessee in 2002. She completed a Pharmacy Practice with Ambulatory Care Emphasis

Residency at the Regional Medical Center in Memphis, Tennessee in 2003. Dr. Allen's primary interests are anticoagulation, diabetes, hypertension, and hyperlipidemia.



Carlos A. Alvarez, Pharm.D., M.Sc., BCPS

Assistant Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Dallas Ambulatory Care Outpatient Clinics

Dr. Alvarez is an Assistant Professor of Pharmacy Practice at Texas Tech UHSC School of Pharmacy and an Advanced Practice Clinical Pharmacist in Primary Care at the VA Medical Center in Dallas. Dr. Alvarez received his Doctor of Pharmacy from Texas Tech University Health Sciences Center School of Pharmacy in 2004 and Master of Science in Advanced

Pharmacotherapeutics and Research from The University of Texas at Austin College of Pharmacy in 2006. In conjunction with his M.S. degree, Dr. Alvarez completed a two-year Pharmacotherapy residency at The University of Texas Health Science Center in San Antonio. Dr. Alvarez's primary interests are managing patients with diabetes, hypertension, dyslipidemias and thyroid disorders. He is an active member of American Diabetes Association, National Lipid Association, American College of Clinical Pharmacy, American Society of Health System Pharmacists, and American Pharmaceutical Association.



Sara Brouse, Pharm.D., BCPS

Associate Professor of Pharmacy Practice
Specializing in Cardiology and Critical Care

Practice Site: VA North Texas Health Care System
Dallas Cardiology Clinic

Dr. Brouse received her Doctor of Pharmacy degree from the University of Missouri Kansas City in 1997. She completed a pharmacy practice residency & critical care specialty residency at the University of Kentucky Medical Center from 1997-99. She became a Board Certified Pharmacotherapy Specialist in 2000 and received Added Qualifications in

Cardiology in 2005. Dr. Brouse actively participates in several professional organizations, including the American College of Clinical Pharmacy (ACCP) and the Society of Critical Care Medicine. She is past-president of the Dallas-Fort Worth Chapter of ACCP. She has been invited to speak locally, regionally, nationally, and internationally on topics related to acute coronary syndromes and sedation/analgesia in the critically ill. She provides the "Acute Care Cardiology" instruction BCPS preparatory review courses at the ACCP Spring Practice & Research Forum meetings each year. She authored a PSAP-V chapter on Agitation & Drug Withdrawal Syndromes in the Critical Care/Transplantation Module released in 2006. Dr. Brouse practices within the Medicine and Cardiology ICUs and the Cardiology Clinic at the VANTHCS. Her research interests include decompensated heart failure, drug-induced complications in acute coronary syndromes, & sedation/analgesia in critically ill patients. Post-op management of cardiac transplantation patients is an evolving interest.



Lisa Chastain, Pharm.D., BCPS

Assistant Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Fort Worth Ambulatory Care Outpatient Clinic

Dr. Chastain is an Assistant Professor in Primary Care at the Texas Tech UHSC School of Pharmacy, Dallas/Fort Worth Campus. At her practice site with the VA North Texas Health Care System (VANTHCS) at the Fort Worth Outpatient Clinic, Dr. Chastain focuses care in drug therapy management in the area of diabetes, hypertension, hyperlipidemia, heart failure, and asthma/COPD. Dr. Chastain received her Bachelor of Science degree in Biology from Baylor University in 2001 and her Doctor of Pharmacy degree from the University of Houston College of Pharmacy in May 2005. Dr. Chastain has since completed both a Pharmacy Practice and Primary Care Specialty Residency with the Veterans Affairs North Texas Medical Center and Texas Tech Health Sciences Center School of Pharmacy in Dallas, Texas from 2005-2007.

During residency, Dr. Chastain's research interests included: pharmacy directed profiling among VANTHCS Ambulatory Care providers and evaluating the efficacy and safety of the use of ezetimibe in HIV-positive patients at VANTHCS. Dr. Chastain is an active member of National Lipid Association, American College of Clinical Pharmacy and Texas Society of Health System Pharmacists.



Shane Greene, Pharm.D., BCPS, CDE

Associate Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Dallas Ambulatory Care Outpatient Clinics

Dr. Greene is an Assistant Professor Specializing in Primary Care with the Texas Tech University Health Sciences Center School of Pharmacy. He is also an Adjunct Professor at Texas Woman's University College of Graduate Nursing, where he teaches pharmacotherapeutics to graduate students in the Advanced Nurse Practitioner Program. Dr. Greene received his B.S in Biomedical Science from Texas A&M University and his Doctorate of Pharmacy from the University of Texas at Austin in cooperation with the University of Texas Health Science Center at San Antonio. Dr. Greene completed his Pharmacy Practice Residency at the Cleveland Clinic Foundation in Cleveland, Ohio and a Specialty Residency in Primary Care Pharmacy Practice at the South Texas Veterans Health Care System in San Antonio, Texas in conjunction with the University of Texas at Austin and the University of Texas Health Science Center at San Antonio. He received his Board Certified Pharmacotherapy Specialist (BCPS) recognition in December 2003 and his Certified Diabetes Educator (CDE) recognition in October 2004..

Dr. Greene currently practices as an Advanced Practice Pharmacist at the VA North Texas Health Care System in the Ambulatory Care and Cardiology Outpatient Clinics in Dallas. There, he actively participates in managing patients in the areas of diabetes mellitus, hypertension, hyperlipidemia, heart failure, angina and anticoagulation. Dr. Greene's Ambulatory Care practice site was recently recognized as a site of learning excellence in experiential education through the awarding of the national 2007 American Association of Colleges of Pharmacy's Crystal APPLE (Academic-Practice Partnerships for Learning Excellence) Award.

His primary areas of research include diabetes mellitus and hypertension management, insulin stability and analysis of medication prescribing patterns and utilization.

Dr. Greene currently serves as a member of the Texas Diabetes Council's Medical Professionals Advisory Subcommittee. He is also a member of the Editorial Advisory Board of the Texas Society of Health System Pharmacists (TSHP) Journal. Dr. Greene is actively involved in several organizations including the American College of Clinical Pharmacy (ACCP), the American Society of Health System Pharmacists (ASHP), the Texas Society of Health System Pharmacists (TSHP) and the National Lipid Association (NLA).



Monica Mathys, Pharm.D., CGP, BCPP

Assistant Professor of Pharmacy Practice
Specializing in Mental Health

Practice Site: VA North Texas Health Care System
Mental Health Outpatient Clinic

Dr. Monica Mathys is an assistant professor for Texas Tech School of Pharmacy. Her clinical practice site is the Dallas VA Medical Center where she is an advanced practice pharmacist for Mental Health. Dr. Mathys is a faculty preceptor for third and fourth year students. She is also involved in the neurology and psychiatry courses, case studies, and grand rounds. Dr. Mathys received her Pharm.D. degree from the University of Arkansas for Medical Sciences. After graduation, she completed a geriatric specialty residency at Central Arkansas Veterans Healthcare System in Little Rock, AR. Dr. Mathys' research interests include psychiatry, geriatric neurology/psychiatry, and geriatric pharmacotherapy.



Sachin Shah, Pharm.D., BCOP

Associate Professor of Pharmacy Practice
Specializing in Hematology/Oncology

Practice Site: VA North Texas Health Care System
Hematology/Oncology Clinic

Dr. Shah is an Associate Professor of Pharmacy Practice at Texas Tech UHSC and a hematology/oncology clinical pharmacist at the VA North Texas Health Care System (VANTHCS). He is a program director for ASHP Accredited PGY-2 Hematology/Oncology Specialty Residency at the Dallas/Fort Worth Campus. 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 a Hematology/Oncology Clinical Specialist at the VANTHCS in Dallas. He is an active member of hematology/oncology in-patient consult service and out-patient clinic. He also serves on Cancer Task Force and Pain Management Committee at the VANTHCS. Dr. Shah has been recognized at State and National levels for his clinical practice. He has been awarded Lewis S. Smith Pharmacy Practitioner Award at Texas Society of Health System Pharmacists (TSHP) in April 2006. He also has received Hematology/Oncology Pharmacy Association (HOPA) Clinical Practice Award at 2nd HOPA Annual meeting.

Dr. Shah has served as a Chair of the Council on Professional Affairs for the Texas Society of Health-System Pharmacists. He was a treasurer to local DFW ACCP chapter, as well. He has multiple peer-reviewed publications in recognized pharmacy and non-pharmacy medical journals. Dr. Shah has served as a reviewer for pharmacy, medical and international journals.



Anne Ziesmer, Pharm.D., CDE

Clinical Pharmacist
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Endocrinology Clinic

Dr. Ziesmer is an Ambulatory Care Clinical Pharmacist at the Veterans Affairs North Texas Health Care System based in Dallas in the diabetes and lipid specialty clinics. She is also the residency coordinator for the Dallas VA Pharmacy Practice Residency. She is an Adjunct Assistant Professor at Texas Tech Health Sciences Center School of Pharmacy and a Clinical Assistant Professor at the University of Texas at Austin College of Pharmacy. She has been at the Dallas VA since July 2003. She was voted by the residency class of 2004-2005 Preceptor of the Year. Her areas of interest include

diabetes, lipid, and insulin resistance management. Dr. Ziesmer is a member of American Diabetes Association, American Society of Health-System Pharmacists, American Association of Diabetes Educators, and the National Lipid Association. She participates yearly in raising money and awareness for the ADA and American Cancer Society. She volunteers her time at a Hispanic indigent clinic teaching diabetes education and at a no kill animal shelter socializing dogs.

Dr. Ziesmer received her Bachelor of Science in Biology at Emporia State University, Emporia, Kansas and her Doctor of Pharmacy degree from Texas Tech University. She completed an ASHP accredited specialty residency in Cardiovascular Risk Reduction at the Richmond, Virginia Veterans Affairs Hospital through MCV/VCU.