

**Wake Forest University
School of Medicine**

Curriculum Vitae

NAME: Julienne K. Kirk, Pharm.D., CDE

CURRENT ACADEMIC TITLE: Professor

ADDRESS: Department of Family and Community Medicine
Wake Forest University School of Medicine
Medical Center Boulevard
Winston-Salem, North Carolina 27157-1084
Phone number: (336) 716-9043

EDUCATION:

1981 - 1983 University of North Carolina at Chapel Hill
Two years of Undergraduate Study

1983 - 1986 University of North Carolina at Chapel Hill
Bachelor of Science in Pharmacy

1989 - 1991 University of North Carolina at Chapel Hill
Doctor of Pharmacy

POSTDOCTORAL TRAINING:

1991 - 1992 ASHP-Accredited Specialty Residency
Clinical Pharmacokinetics
University of North Carolina Hospitals
Chapel Hill, North Carolina

PROFESSIONAL LICENSURE:

1987 - Present North Carolina #9586

SPECIALTY CERTIFICATION:

1988 - 1989 ASHP Accredited General Pharmacy Residency
Durham Regional Hospital
Durham, North Carolina

1993 - Present Board Certified Pharmacotherapy Specialist
#2931310, recertified 2000, 2007

SPECIALTY CERTIFICATION: (continued)

1993 - Present	Certified Diabetes Educator #0952-0268, certified 2000, 2005, 2010
2008 - Present	Cardiopulmonary Resuscitation Certification American Heart Association

ACADEMIC APPOINTMENTS:

1992 - 1995	Instructor in Family and Community Medicine Bowman Gray School of Medicine of Wake Forest University
1992 - 2005	Clinical Assistant Professor University of North Carolina, School of Pharmacy Chapel Hill, North Carolina
1992 - 1995	Assistant Director, Pharmacy Education Northwest Area Health Education Center Winston-Salem, North Carolina
1993 - 1995	Center for Health Promotion Certified Diabetes Educator Department of Family and Community Medicine Bowman Gray School of Medicine
1995 - 1999	Associate Director, Pharmacy Education Northwest Area Health Education Center Winston-Salem, North Carolina
1995 - 2000	Certified Diabetes Educator Department of Family and Community Medicine Wake Forest University School of Medicine Winston-Salem, North Carolina
1995 - 2001	Assistant Professor Department of Family and Community Medicine Wake Forest University School of Medicine Winston-Salem, North Carolina
2000 - Present	Certified Diabetes Educator Diabetes Care Center Wake Forest University Baptist Medical Center

ACADEMIC APPOINTMENTS: (continued)

2001 - 2009	Adjunct Associate Professor of Pharmacy Practice Campbell University School of Pharmacy Buies Creek, North Carolina
2000 - 2005	Pharmacist North Carolina School of the Arts Winston-Salem, North Carolina
2005 - Present	Clinical Associate Professor University of North Carolina, School of Pharmacy Chapel Hill, North Carolina
2001 - 2009	Associate Professor Department of Family and Community Medicine Wake Forest University School of Medicine Winston-Salem, North Carolina
2009 - Present	Professor Department of Family and Community Medicine Wake Forest School of Medicine Winston-Salem, North Carolina
2010 -Present	Adjunct Professor of Pharmacy Practice Campbell University School of Pharmacy Buies Creek, North Carolina
2010 - Present	Clinical Adjunct Professor University of North Carolina, School of Pharmacy Chapel Hill, North Carolina
2011 – Present	Director and Coordinator, Pharmacy Education Northwest Area Health Education Center Winston-Salem, North Carolina

EMPLOYMENT:

1991 - 1992	Clinical Pharmacist, Intensive Care Units University of North Carolina Hospitals Chapel Hill, North Carolina
1989 - 1992	Relief Pharmacist Revco Drugs Incorporated Southeastern, North Carolina

EMPLOYMENT: (continued)

1998 - 1989	Clinical Pharmacist, Surgery Satellite Durham Regional Hospital Durham, North Carolina
1987 - 1988	Pharmacist, Assistant Manager Revco Drugs, Cole Park Plaza Chapel Hill, North Carolina
1985 - 1986	Pharmacy Intern New Hanover Memorial Hospital Wilmington, North Carolina

OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:

1998, 2000	American Association of Diabetes Educators Core Curriculum – Editor, Glucose Monitors
1998 - 2003	American Association of Diabetes Educators Faculty for Educational Program
2007 – 2010	National Diabetes Interactive Network Educational Outreach VMS Medical
2007 - 2010	Network of Migration and Disease Hubert Department of Global Health at the Rollins School of Public Health at Emory University, Atlanta, Georgia
2007 - 2010	Diabetes Expert Group Noncommunicable Disease Cluster Global Burden of Diseases, Injuries and Risk
2007 - Present	Affiliate and Faculty Research Committee Maya Angelou Research Center on Minority Health Wake Forest School of Medicine
2010	Career Development for Women Leaders Women’s Health Center of Excellence for Research, Leadership, Education Wake Forest University School of Medicine Winston-Salem, North Carolina

OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:Editorial Board

2005 - 2011	North Carolina Medical Journal, NC Institute Med
2008 - Present	Journal of Clinical Outcomes Management
2008 - Present	Expert Reviews of Endocrinology & Metabolism
2009 - Present	World Journal of Diabetes

Peer Reviewer

1988 - 1990	Drug Topics Counsel of Pharmacists
1991 - 1995	Journal of Clinical Pharmacy
1988 - 1990	Drug Topics Counsel of Pharmacists
1991 - 1995	Journal of Clinical Pharmacy
1992 - 2011	Annals of Pharmacotherapy
1992 - 2000	Archives of Family Medicine
1993 - 2000	American Pharmacy
1999 - 2003	International Journal of Pharmacoeconomics
1999 - 2008	American Family Physician
1996 - 2011	Abstract Reviewer Annual Scientific Meeting
1999 - 2004	Pharmacotherapy Self-Assessment and Women's Health Modules
	American College of Clinical Pharmacists
1986—2008	American Society of Health-System Pharmacists
2000 - 2001	Clinical Pharmacokinetics Handbook
2000 - 2003	Drug Monographs for Nurses' Drug Loose Leaf Blanchard and Loeb Publishers
2003 - 2005	Journal of American Medical Association
2003 - 2011	Pharmacotherapy
2004 - 2011	Journal of Family Practice
2004 - 2011	American Journal of Managed Care
2005 - 2010	Ethnicity and Disease
2005 - Present	American Association of Diabetes Educators
2006 - 2010	British Medical Journal
2006 - 2010	American Journal of Preventive Medicine
2007 - 2010	Journal of Health Care for the Poor & Underserved
2007 - 2011	Diabetologia
2007 - 2010	Southern Medical Journal
2007 - 2009	Journal of Patient Preference and Adherence
2007 - 2010	Study Section Review, Ohio University Research Awards, College of Osteopathic Medicine
2007 - 2010	Abstract Reviewer, American Association of Diabetes Educators
2008 - Present	Diabetes Care
2008 - 2010	Abstract Reviewer, ADA Annual Scientific Meeting

OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:

Peer Reviewer

2008 - 2010	Journal of Nutrition
2008 - Present	Clinical Therapeutics
2008 - 2010	Preventing Chronic Disease
2008 - 2010	Global Diabetes Alliance Collaborative
2008 - 2010	American Journal Epidemiology
2009 - 2011	International Journal of Diabetes Mellitus
2009 - 2011	Lancet
2009 - 2010	National Institute of Health, Biobehavioral Regulation, Learning, and Ethology Study Section, Challenge Grant Reviewer (Panel 3 and 26)

INSTITUTIONAL SERVICE:

Intramural:

1992, 1994, 1998, 1999, 2001	Resident Selection Committee Department of Family and Community Medicine Wake Forest University School of Medicine
1992 - 1995	Team Development Committee Northwest Area Health Education Center
1992 - 1999	Geriatric Assessment Team Department of Family and Community Medicine Wake Forest University School of Medicine
1992 - 2001	Formulary Committee, Chairman Department of Family and Community Medicine Wake Forest University School of Medicine
1992 - 2007	Library Committee Department of Family and Community Medicine Wake Forest University School of Medicine
1993 - 1996	Patient Education Committee Department of Family and Community Medicine Bowman Gray School of Medicine
1993 - 1994	Information Task Force Committee Northwest Area Health Education Center
1993 - 1997	Communications/Publications Committee Northwest Area Health Education Center

INSTITUTIONAL SERVICE:

Intramural: (continued)

1993 - 1994	Resident Curriculum Committee Department of Family and Community Medicine Bowman Gray School of Medicine
1993 - 1996	Clinical Research Practice Committee Office of Research Development Bowman Gray School of Medicine Winston-Salem, North Carolina
1999 - 2007	Diabetes Standardization Committee Wake Forest University Baptist Medical Center Winston-Salem, North Carolina
2000 - Present	Research Committee Department of Family and Community Medicine Wake Forest University School of Medicine Winston-Salem, North Carolina
2000 - 2003	Institutional Review Board Wake Forest University School of Medicine Winston-Salem, North Carolina
2000 - Present	Diabetes Advisory Committee Diabetes Care Center Outpatient Education Wake Forest University School of Medicine Winston-Salem, North Carolina
2001 - 2006	Library Committee Coy Carpenter Library Wake Forest University School of Medicine Winston-Salem, North Carolina
2003 - Present	Promotions Committee Department of Family and Community Medicine Wake Forest University School of Medicine Winston-Salem, North Carolina
2004 - 2005	Teaching Advancement Program Series Wake Forest University School of Medicine Winston-Salem, North Carolina

INSTITUTIONAL SERVICE:

Intramural: (continued)

2005 - 2011	Core Teaching Faculty
2006 - 2011	Faculty Evaluation and Research Initiatives
2007 - 2010	Chair, Medical Educational Scholarship
2010 - 2011	Co-Chair Faculty Development and Evaluation
2010 - 2011	Senior Seminar Intern Boot Camp Committee
2008 - 2010	AAMC Medical Education Research Certificate Wake Forest University School of Medicine Winston-Salem, North Carolina
2005 - 2008	Recruitment, Retention, Promotions & Tenure Committee Wake Forest University School of Medicine Winston-Salem, North Carolina
2005 - Present	Diabetes Care Center Diabetes Management Conference Committee Wake Forest University Baptist Hospital Winston-Salem, North Carolina
2008 – 2010	Anticoagulation Oversight Committee Wake Forest University Baptist Hospital Winston-Salem, North Carolina
2008 – 2009	Industry Relations Policy Committee Wake Forest University Baptist Hospital Winston-Salem, North Carolina
2008 - 2011	Institutional Review Board Wake Forest University Health Sciences Winston-Salem, North Carolina
2008 - Present	Mentor, Mentoring Program Women’s Health Center of Excellence for Research, Leadership, Education Wake Forest University School of Medicine Winston-Salem, North Carolina

Extramural

1992 - 1994	Pharmacotherapy Task Force Committee University of North Carolina at Chapel Hill School of Pharmacy
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INSTITUTIONAL SERVICE:

Extramural

1994 - 1997	Curriculum Committee University of North Carolina at Chapel Hill School of Pharmacy
1993 - 1995	Research Committee University of North Carolina at Chapel Hill School of Pharmacy AHEC Program
1993 - 1995 1995 - 1997	Continuing Education Committee, Chairman External Professional Education Committee University of North Carolina at Chapel Hill School of Pharmacy AHEC Program
1997 - 1998	Statewide Area Health Education Center Planning Committee North Carolina AHEC Program
1997 - 2001	QualChoice Pharmacy and Therapeutics Committee Wake Forest University Baptist Medical Center Winston-Salem, North Carolina
1998 - 1999	VanGuard Ad-Hoc Committee, School of Pharmacy University of North Carolina Chapel Hill, North Carolina
2000 - 2011	National Institutes of Health Action to Control Cardiovascular Risk in Diabetes (ACCORD), Lifestyle Committee Glycemia Writing Group

PROFESSIONAL MEMBERSHIPS AND SERVICE:

1986 - Present	American Society of Health-System Pharmacists
1996 - Present	Section of Clinical Specialists, Skills Program
1986 - Present	NC Society of Health-System Pharmacists
1988 - 1991	Program Committee
1992 - 1995	Pharmacy Practice Committee (Chair 1994, 1995)
1992 - 1995	Pharmacy Technician Committee (Chair 1995)
1995 - 1996	Pharmacotherapy SIG, 1996
1996 - 1999	Membership Committee (Chair 1996)
1997 - 1999	Board of Directors
1999 - 2004	Mentorship Program

PROFESSIONAL MEMBERSHIPS AND SERVICE: (continued)

1995 - 1999	North Carolina Center for Pharmaceutical Care
1995 - 1996	Chair, Reimbursement Committee
1996 - 1997	Co-Chair, Diabetes Alliance
1986 - 1999	North Carolina Pharmaceutical Association
1987 - 1989	Constitution and Bylaws Committee
1989 - 1994	Social & Economic Relations Committee
1994 - 1996	Continuing Education Committee
1992 - Present	Northwest Pharmaceutical Association
1993 - 2000	Vice President, 1993-2000
2011 – Present	2 nd Vice President
1992 - Present	American Society of Health-System Pharmacists
1998 - 2000	Delegate for North Carolina
2001 - 2002	Alternate Delegate for North Carolina
1993 - 1999	American Association of Colleges of Pharmacy
1993 - Present	Society of Teachers of Family Medicine
1992 -2010	American College of Clinical Pharmacists
1993 - 2010	Ambulatory Care Special PRN
1995 - 2001	Clinical Practice Affairs Committee
1995 - 1997	Pharmacotherapy Exam Writing Workshop
1999 - 2010	Women Health Care PRN
1995 - 2010	Abstract Review Committee
1992 - Present	American Diabetes Association
1995 - 1996	Chair, Fund Raising Committee, Forsyth County Chapter
1992 - 1997	Member, Board of Directors
1994 - 1995	Elected Treasurer

INSTITUTIONAL SERVICE:

Extramural: (continued)

1993 - Present	American Association of Diabetes Educators
2007 - Present	Research Committee
2007 - Present	Peer Reviewer Trainer
1992 - Present	Piedmont Area Assn. of Diabetes Educators
2004 - 2007	Program Committee

INSTITUTIONAL SERVICE:

Extramural: (continued)

1992 - Present 1995 - 2001	American College of Clinical Pharmacology Public Policy Committee
2002 - 2011 2005 - 2011	American Teachers of Preventive Medicine Abstract Review Committee
2005 - 2011	International Association of Medical Science Educators

HONORS AND AWARDS:

1982	Alpha Chi Sigma Professional Chemistry Society University of North Carolina, Chapel Hill, NC
1991	Rho Chi National Pharmacy Honor Society University of North Carolina, Chapel Hill, NC
1992	North Carolina Society of Hospital Pharmacist Award for Continuing Excellence
1995	North Carolina Pharmaceutical Association, Distinguished Young Pharmacist Award
1995	International Directory of Distinguished Leadership, American Biographical Institute
1995	Diabetes Educator Recognition Award sponsored by Boehringer Mannheim Corporation and Eli Lilly
1995	American Association of Colleges of Pharmacy Pharmaceutical Manufacturer Program Visiting Professorship-American Association of Colleges of Pharmacy
1996	North Carolina Society Health System Pharmacists President's Distinguished Service Award
1999	North Carolina Association of Pharmacists Continuing Excellence Award
2004	United Who's Who National Association Elected Membership

HONORS AND AWARDS: (continued)

2011
Team Science Award
Wake Forest School of Medicine
ACCORD Study Team
Southeastern Network

PROFESSIONAL INTERESTS:

Providing safe and effective use of medication in patients and educational opportunities to students, physicians and health care professionals. Other career goals include pursuing research in diabetes and drug-related areas which contribute to patient outcomes. Patient education involving diabetes self-care is of primary interest.

GRANTS CURRENT:

Federally-Funded

2010 – Present
Co-Investigator
Implementing a Culturally Sensitive Health Literacy Curriculum. The purpose of this study is to design, implement and evaluate a comprehensive health literacy in the pre-doc program at WFUSM. Sponsored by PHS, DHHS, Division of Medicine, Health Resources and Services Administration (HRSA) (\$1,300,000, 10% effort)

2006 - Present
Co-Investigator
Rural Elder's Diabetes Self Management: Development of a Common Sense Model Inventory. The purpose of this research is to delineate the common sense of diabetes held by older rural adults. Sponsored by NIH/NIA (\$299,489, 5% effort)

PAST GRANT HISTORY

Federally-Funded

2008 – 2009
Co-Investigator
Ruhbarb ACE Inhibitor Study
Department of Nephrology
Sponsored by NIH R21 (\$205,832, 5% effort)

PAST GRANT HISTORY (continued)

Federally-Funded

- 2007 – 2009
Co-Investigator
Physician Assistants Meeting Vulnerable Patients' Health Literacy Needs. Sponsored by Health Resources and Services Administration (HRSA), (\$265,170, 5% effort)
- 2004 - 2006
Principal Investigator
Racial/Ethnic Gaps in Diabetes Burden, Care, and Outcomes, Association of Teachers of Preventive Medicine and the Centers for Disease Control (\$98,000, 20% effort)
- 2001 - 2004
Co-Principal Investigator
Diabetes Adherence Intervention in Older Adults, (Bridge Study), Sponsored by NIH/National Institute on Aging (\$55,000, 5% effort)
- 2000 - 2010
Certified Diabetes Educator - Southeast Network Action to Control Cardiovascular Risk in Diabetes (ACCORD). Sponsored by NIH/NIDDK (\$3,666,697, 25% effort)

Institutionally- Funded

- 2010 – 2011
Co-Investigator
Oxalate Excretion and Synthesis in Diabetes Mellitus
Department of Urology
- 1999 - 2002
Principal Investigator
Multiple Vitamin and Mineral Supplementation: Effect on Homocysteine, Infection, and Quality of Life, Sponsored by Carolinas Medical Center (\$20,000, 10% effort)
- 1995 - 1996
Principal Investigator
Use of Amantadine for Chronic Fatigue. A double-blind 28-week study of an antiviral agent. Sponsored by UNC School of Pharmacy (\$5000, 5% effort)

PAST GRANT HISTORY: (continued)

Institutionally- Funded

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|-------------|---|
| 1993 - 1995 | Principal Investigator
Effects of an Alpha-1-Adrenergic Blocker on Renal Function, Glycemia, and Hyperlipidemia in Type 2 Diabetes, Sponsored by the Pharmacy Foundation of North Carolina (\$12,500, 5% effort) |
| 1992 - 1994 | Co-Investigator
Racial Differences in Hepatic Metabolism and Prostate Cancer Risk, Department of Internal Medicine, Bowman Gray School of Medicine, (\$50,000, 2.5% effort) |
| 1991 - 1992 | Principal Investigator
Comparison of a Dry Reagent Method with Fluorescence Polarization Immunoassay for the Determination of Salivary Theophylline Concentrations, UNC School of Pharmacy |
| 1991 - 1992 | Co-Investigator
Evaluation of the Relative Bioavailability of Spironolactone Suspension: Influence of Manufacture's Batch Size, UNC Hospitals and School of Pharmacy |
| 1991 - 1992 | Co-Investigator
Evaluation of two Immunoassay for the Determination of Salivary and Serum Digoxin Concentrations in Patients with Renal Failure, UNC Hospitals & School of Pharmacy |

Industry- Funded

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|------------|--|
| 2002 -2010 | Co-Investigator
NAVIGATOR - Study of the Efficacy and Safety of Long-Term Administration of Nateglinide and Valsartan in the Prevention of Diabetes and Cardiovascular Outcomes in Subjects with Impaired Glucose Tolerance (IGT), Novartis Pharmaceuticals (\$400,000, 10% effort) |
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PAST GRANT HISTORY: (continued)

Industry-Funded

- 2006 - 2009
Co-Principal Investigator
A Randomized, Double-Blind, Active-Controlled, Multicenter study to compare the effect of 24 weeks treatment with a fixed combination therapy of vildagliptin and metformin to the individual monotherapy component in drug naïve patients with type 2 diabetes. Sponsored by Novartis Pharmaceuticals (\$157,000, 20% effort)
- 2005 - 2006
Co-Investigator
A randomized, double-blind, active-controlled, multicenter study to compare the effects of 24 weeks treatment with fixed combination therapy of vildagliptin and metformin in drug naïve patients with type 2 diabetes, Novartis Pharmaceuticals (\$79,000, 5% effort)
- 2005 - 2006
Co-Investigator
A multicenter, randomized, double-blind, active controlled study to compare the effects of 24 weeks treatment with combination therapy of LAF237 and pioglitazone to LAF237 monotherapy or pioglitazone monotherapy in drug naïve patients with type 2 diabetes (\$92,000, 10% effort)
- 2005 - 2006
Co-Investigator
A multicenter, randomized, double-blind study to compare the effects of 24 weeks treatment with LAF237 (50 mg qd, 50 mg bid or 100 mg qd) to placebo in drug naïve patients with type 2 diabetes, Novartis Pharmaceuticals (\$88,000, 5% effort)
- 2004 - 2006
Co-Investigator
A multicenter, randomized, double-blind study to compare the effects of 24 week treatment with LAF237 (50 mg qd, 50 mg bid or 100 mg qd) to placebo in drug naïve patients with type 2 diabetes, Sponsored by Novartis Pharmaceuticals (\$75,000, 5% effort)

PAST GRANT HISTORY: (continued)

Industry-Funded

- 2004 - 2006
Co-Investigator
A 28-week extension to a multi-center, randomized, double-blind study to compare the effects of 27 weeks of treatment with LAF 237 (50 mg daily, 50 mg bid or 100 mg daily) to placebo in drug naive patients with type 2 diabetes, Sponsored by Novartis Pharmaceuticals (\$45,000, 10% effort)
- 2004 - 2006
Co-Investigator
A 24-week randomized, double-blind, multi-center, active controlled (pioglitazone) study to evaluate the efficacy, safety, and tolerability of tesiglitazar therapy when administered to patients with type 2 diabetes, Sponsored by AstraZeneca (\$72,000, 10% effort)
- 2004 - 2005
Co-Investigator
A multicenter randomized, double-blind study to compare the effects of 24 week treatment with AZ-242 in subjects with type 2 Diabetes, Sponsored by AstraZeneca (\$65,000, 10% effort)
- 2002 - 2007
Co-Investigator
A multinational, randomized, double-blind, placebo-controlled, forced-titration, 2 x 2 factorial design study of the efficacy and safety of long term administration of nateglinide and valsartan in the prevention of diabetes and cardiovascular outcomes in subjects with impaired glucose tolerance (IGT), Sponsored by Novartis Pharmaceuticals (\$200,000, 15% effort)
- 2002 - 2005
Co-Investigator
A Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Control, Clinical Evaluation of Insulin Plus Rosiglitazone (2mg and 4mg) Compared to Insulin Plus Placebo for 24 Weeks in Subjects with Type 2 Diabetes Mellitus Who Are Inadequately Controlled On Insulin, Sponsored by Glaxo Smith Kline (\$50,000, 10% effort)

PAST GRANT HISTORY: (continued)

Industry-Funded

- 2002 - 2004 Principal Investigator
Prevalence of Anemia in Patients with Early Renal Insufficiency, Sponsored by Ortho Biotech Corporation (\$26,000, 5% effort)
- 2002 - 2004 Principal Investigator
Evaluation of a Urine Analyzer for Microalbuminuria and Ketones in Patients with Diabetes, Sponsored by Bayer Corporation (\$18,000, 5% effort)
- 2002 - 2004 Principal Investigator
Clinical Evaluation of the Modified Glucometer Dex and Esprit Meters, Sponsored by Bayer Diagnostics (\$38,000, 10% effort)
- 2002 - 2004 Co-Investigator
Dose Finding, Efficacy, and Safety of AZ-242 in Subjects with Type 2 Diabetes, Sponsored by AstraZeneca (\$65,000, 10% effort)
- 2002 - 2004 Co-Investigator
A multicenter randomized, double-blind, parallel-group, placebo-control, clinical evaluation of insulin plus rosiglitazone (2mg and 4mg) compared to insulin plus placebo for 24 weeks in subjects with type 2 diabetes mellitus who are inadequately controlled on insulin, Sponsored by Glaxo-Smith Kline (\$72,000, 10% effort)
- 2000 - 2003 Co-Principal Investigator
A Double-Blind, Randomized, Placebo-Controlled Trial of a Tablet Formulation of Pleconaril in the Treatment of Viral Respiratory Infection in Adults, Sponsored by ViraPharma (\$78,000, 20% effort)
- 1999 - 2000 Co-Principal Investigator
Peripheral Artery Disease Awareness Program, Sponsored by Bristol Myers Squibb (\$6000, 2.5% effort)

PAST GRANT HISTORY: (continued)

Industry- Funded

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|-------------|--|
| 1999 - 2000 | Co-Investigator
A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Study of the Efficacy and Safety of Metformin Hydrochloride for the Treatment of Adolescents with Type 2 Diabetes Mellitus, Sponsored by Parke Davis (\$25,000, 10% effort) |
| 1998 - 1999 | Principal Investigator
Implementation and Outcomes of a Diabetes Pharmacotherapy Certificate Program, Sponsored by Pfizer Pharmaceuticals (\$10,000, 5% effort) |
| 1998 - 1999 | Principal Investigator
North Carolina Medication Information Literacy Study of Over-the-Counter Labels and Patient Understanding, Sponsored in by Pfizer Pharmaceuticals (\$7500, 2.5% effort) |
| 1997 - 1999 | Principal Investigator
Effectiveness of Troglitazone Versus Glucophage in the Poorly Controlled Diabetic Patient, Sponsored by Bristol Myers Squibb/Sanyko Parke-Davis (\$20,000, 10% effort) |
| 1997 - 1998 | Principal Investigator
Osteoporosis Quality Assurance Program focusing on provider awareness and education, Sponsored by Merck Foundation (\$5000, 2.5% effort) |
| 1996 - 1997 | Principal Investigator
Effects of Losartan and Amlodipine on Microalbuminuria in Diabetes and Hypertension, Sponsored by Merck Human Health (\$7500, 2.5% effort) |
| 1996 - 1997 | Co-Principal Investigator
Using Social Support to Improve Compliance in Hypertension Treatment, Sponsored by Pfizer (\$6500, 2.5% effort) |

PAST GRANT HISTORY: (continued)

Industry- Funded

- | | |
|-------------|---|
| 1995 - 1996 | Co-Principal Investigator
Precose Resolution of Optimal Titration to Enhance Current Therapies. A 28-week open label trial evaluating stepped titration of Acarbose Dosing, Sponsored by the Bayer Corporation (\$7500, 5% effort) |
| 1995 - 1996 | Co-Principal Investigator
Advanced Glycation End Products and Cardiovascular Disease, Sponsored by Hoffmann LaRoche Corporation (\$10,000, 5% effort) |

BIBLIOGRAPHY:

Book Chapters:

1. Spangler JG, Kirk JK. Pyelonephritis: In The Five Minute Consult 1999, 2000-2007; William and Wilkins, Baltimore: 421-422.
2. Kirk JK. Acute Iron Toxicity: In The Five Minute Consult 1996-2006; William and Wilkins, Baltimore: 578-579.
3. Kirk JK. Common Uses of Drugs (Chapter 81): In Ambulatory Care of the Adult 1998; Fence Creek Publishing, Madison: 449-460.

Peer-Reviewed Publications:

1. Kirk JK, Grabenstein JD. Interviewing and counseling patients about immunizations. *Hosp Pharm* 1991;26:1006-10.
2. Kirk JK. The risk of hyperglycemic, hyperosmolar, nonketotic coma (HHNK) in elderly patients with diabetes. *Diabetes Spectrum* 1993;6:324-25.
3. Kirk JK, McGann KP. International normalized ratio: The new standard for monitoring oral anticoagulation. *Arch Fam Med* 1994;3:71-74.
4. Spangler JG, Kirk JK, Knudson MP. Uses and safety of acyclovir in pregnancy. *J Fam Pract* 1994;38:186-91.
5. Spangler JG, Kirk JK, Knudson MP. Acyclovir therapy. *J Fam Pract* 1994;38:567-68.
6. Olson DJ, Runk PF, Kirk JK. Drug-induced toxic epidermal necrolysis. *J Pharm Pract* 1994;7:6-8.

BIBLIOGRAPHY:

Peer-Reviewed Publications: (continued)

7. Kirk JK, Dupuis RE, Miles MV, Miranda JM, Williams DM. Salivary theophylline monitoring, reassessment and clinical considerations. *Ther Drug Monit* 1994;16:58-66.
8. Kirk JK, Johnson SH. Safe discontinuation of antihypertensive medicine: A review. *Arch Fam Med* 1995;4:266-70.
9. Kirk JK. Significant drug-nutrient interactions. *Am Fam Physician* 1995;51:1175-82.
10. Kirk JK. Meter dose inhalers for asthma. *Arch Fam Med* 1995;4:843
11. Kirk JK, Dupuis RE. Approaches to the treatment of hyperlipidemia in the solid organ transplant recipient. *Ann Pharmacother* 1995;29:879-91.
12. Kirk JK. Nasal corticosteroid sprays for allergic rhinitis. *Arch Fam Med* 1995;4:892.
13. Kirk JK. Newer oral antibiotic suspension costs. *Arch Fam Med* 1996;5:538.
14. Kirk JK, Michael KA, Markowsky SJ, Restino MR, Zarowitz BJ. Critical pathways: The time is here for pharmacists involvement. *Pharmacotherapy* 1996;16:723-33.
15. Kirk JK, Spangler. Alendronate: a bisphosphonate for the treatment of osteoporosis. *Am Fam Physician* 1996;54:2053-60.
16. Kirk JK. Newer oral antibiotic cost comparison. *Arch Fam Med* 1996;5:506.
17. Kirk JK, Konen JC, Shihabi ZK, Rocco MV, Summerson JH. Effects of terazosin on glycemic control, cholesterol, and microalbuminuria in patients with NIDDM and hypertension. *Am J Ther* 1996;3:616-21.
18. Bowman MA, Kirk JK, Michielutte R, Preisser JS. Use of amantadine for chronic fatigue syndrome. *Arch Intern Med* 1997;157:1264-65.
19. Kirk JK, Curren CG. Important features about blood glucose monitors. *J Am Pharm Assoc* 1998;38:210-19.
20. Pearce KA, Furberg CD, Psaty BM, Kirk JK. Cost minimization and the number needed to treat in uncomplicated hypertension. *Am J Hypertens* 1998;11:488-53.
21. Kirk JK, Lightfoot S, Conner S. Clinically relevant drug interactions. *Pharmacy Times* 1998;7:79-92.

BIBLIOGRAPHY:

Peer-Reviewed Publications: (continued)

22. Kirk JK, Joyner PU. Experience and implementation of a diabetes pharmacotherapy certificate program. *Am J Pharm Educ* 1998;62:307-10.
23. Kirk JK. Drug expenditures. Tablets that can be halved to save costs. *Drug Benefit Trends* 1998;12:2-3.
24. Kirk JK. Angiotensin-II receptor antagonists: Their place in therapy. *Am Fam Physician* 1999;59:3140-48.
25. Kirk JK. Drug-drug interactions. *Hosp Pharm* 1999;34:1122-23.
26. Kirk JK, Pearce KA, Michielutte R, Summerson JH. Effectiveness of troglitazone versus metformin in combination with sulfonylureas for type 2 diabetes. *J Fam Practice* 1999;48:879-82.
27. Kirk JK, Hamilton J, Phelps K. Efficacy of novel new NSAIDS: A review of COX-2 inhibitors, with emphasis on gastrointestinal toxicity. *J Pharm Pract* 1999;12:1-11.
28. Rheney CC, Kirk JK. Performance of three blood glucose meters. *Ann Pharmacother* 2000;34:317-21.
29. Kirk JK, Spangler JG, Celestino F. Prevalence of osteoporosis risk factors and treatment among women 50 years and older. *Pharmacotherapy* 2000;20:405-9.
30. Kirk JK. Therapy with angiotensin II receptor antagonists. *Clin Geriatrics* 2000;4:47-58.
31. Konen JC, Summerson JH, Kirk JK. Measurement feasibility of advanced glycated end-products from skin samples after antioxidant vitamin supplementation in patients with type 2 diabetes. *Nut Health Aging* 2000;4:26-38.
32. Umland EM, Cauffield JS, Kirk JK, Thomason, TE. Phytoestrogens as therapeutic alternatives to traditional hormone replacement in postmenopausal women. *Pharmacotherapy* 2000;20:981-90.
33. Kirk JK, Krick S, Futrell D, et al. Connecting pharmacy and literacy: the NC medication literacy project. *Am J Pharm Educ* 2000;64:277-80.
34. Kirk JK. Pharmacotherapy of angiotensin receptor blockers. *Clin Geriatrics* 2001;20:126-31.
35. Kirk JK, Nichols M, Spangler JG. Use of peripheral dxa measurement for osteoporosis screening. *Fam Med* 2002;34:201-5.

BIBLIOGRAPHY:

Peer-Reviewed Publications: (continued)

36. Kirk JK, Poirier JE, Mattox MG, Thomas PM, Michielutte R. Compliance with national guidelines in patients with diabetes in a family practice clinic. *Pharmacotherapy* 2002;22:1541-46.
37. Barringer TA, Kirk JK, Santaniello AC, Long KM, Michielutte R. Effect of a multivitamin and mineral supplement on infection and quality of life. A randomized, double-blind, placebo-controlled trial. *Ann Intern Med* 2003;138:365-71.
38. Bertoni AG, Kirk JK, Goff DC, Wagenknecht LE. Excess mortality related to diabetes mellitus in elderly Medicare beneficiaries. *Ann Epidemiol* 2004;14:362-67
39. Kirk JK, Bell RA, Bertoni AG, Arcury TA, Quandt SA, Goff DC, Narayan KMV. A qualitative review of studies of diabetes preventive care among minority patients in the United States, 1993-2003. *Am J Managed Care* 2005;11:21-32.
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3. Kirk JK, Konen JC. Utilization of a diabetes computer program in a family practice setting. *Pharmacotherapy* 1995;15:400.
4. Kirk JK. Safe discontinuation of antihypertensive medicine. *Arch Fam Med* 1995;4:755.
5. Kirk JK, Konen JC, Shihabi ZK, Rocco MV, Summerson JH. Effects of terazosin on glycemic control, cholesterol, and microalbuminuria in patients with NIDDM and hypertension. *J Clin Pharmacology* 1995;35:921.
6. Kirk JK. Treatment options for vaginal candidiasis - pharmacotherapy price comparison. *Arch Fam Med* 1995;4:811.
7. Bell RA, Summerson JH, Konen JC, Kirk JK, Spangler JG. Racial differences in symptoms and complications of type 2 diabetes in a primary care practice. *Ann Epidemiol* 1998;8:469.
8. Kirk JK, Pearce KA. Effectiveness of troglitazone versus metformin in poorly controlled patients with diabetes. *Pharmacotherapy* 1998;18:1144-5.
9. Kirk JK, Mattox MG. Patient outcomes associated with a diabetes pharmacotherapy certificate program. *Pharmacotherapy* 1999;19:538.
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11. Kirk JK, Passmore L, Bertoni AG, D'Agostino R, Bell RA, Narayan VKM. Disparities in blood pressure between African Americans and Non-Hispanic White adults with type 2 diabetes: a meta-analysis. *Am J Med Sci* 2005;1:22.
12. Kirk JK, Hildebrandt C, Marion G, Crandall S. Using standardized patient instructors to train students for diabetes and physical activity counseling with patients of low health literacy. *Educ Med* 2009;2:12.

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13. Calles-Escandon J, Light L, Lovato L, Getaneh A, Simmons D, Kirk JK, Bonds D, Banerji MA, Green JB, Menon L, et al. Glycaemia management of minority participants in ACCORD. *Diabetologia*. 2010; 53:S19.
14. Quandt SA, Grzywacz JG, Ip E, Kirk JK, Bell RA, Saldana S, Arcury TA. Identifying common sense models of diabetes in a multi-ethnic sample of rural older adults. *Gerontologist* 2010;50:S198.

Abstract Presentations:

1. Kirk JK, Martin WE. Decentralized pharmacy services on a geriatric nursing unit. Southeastern Conference for Post-Graduate Education. Athens, Georgia, April 1989.
2. Kirk JK, Dupuis RE, Miles MW, Miranda JM, Williams DM. Comparison of a dry reagent method with fluorescence polarization immunoassay for the determination of salivary theophylline concentrations. American College of Clinical Pharmacy. Toronto, Canada, August 1992.
3. Kirk JK, Dupuis RE, Miles MV, et al. Relationship between saliva and serum theophylline concentrations: A comparison of two assays and two saliva stimulation methods. American College of Clinical Pharmacology. Washington, D.C., September 1992.
4. Kirk JK, Ethridge RA, Hayes P, Hinton JK. A model for assessing, planning, and evaluation staff development needs of AHEC staff. National AHEC Workshop. Chicago, Illinois, July 1995.
5. Kirk JK, Konen JC. Utilization of a diabetes computer program in a family practice setting. American College of Clinical Pharmacy. Washington, D.C., August 1995.
6. Kirk JK, Konen JC, Shihabi ZK, Rocco MV, Summerson JH. Effects of terazosin on glycemic control, cholesterol, and microalbuminuria in patients with NIDDM and hypertension. American College of Clinical Pharmacology. Rockville, Maryland, September 1995.
7. Kirk JK, Konen JC, Summerson JH, Cefalu W. Effects of combined vitamins C and E on glycemia and advanced glycosylated end products. American Diabetes Association 32nd Research Symposium, The Role of Oxidants and Antioxidant Therapy in Diabetic Complications. Orlando, Florida, November 1996.

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9. Curren CG, Kirk JK. Comparison of three glucose monitors in a hospital ambulatory care unit. South-Eastern Conference for Post-Graduate Education. Athens, Georgia, May 1997.
10. Kirk JK, Joyner PU, Yarborough P. Development and implementation of a diabetes certificate program for pharmacists. Federation of International Pharmacy. Vancouver, Canada, September 1997.
11. Kirk JK, Curren CG. Comparison of three blood glucose monitors. American Society of Health-Systems Pharmacists, Midyear Clinical Meeting. Atlanta, Georgia, December 1997.
12. Kirk JK, Smoak MM, Sharpe PE, Summerson JH, Pearce KA. Using social support to improve compliance in hypertension treatment. 19th Annual Conference on Patient Education. Seattle, Washington, November, 1997. Award for Excellence in Patient Education Research.
13. Kirk JK, Joyner PU. Development and implementation of a diabetes certificate program. Annual American Associations of Colleges of Pharmacy. Snowmass, Colorado, July 1998.
14. Bell RA, Summerson JH, Konen JC, Kirk JK, Spangler JG. Racial differences in symptoms and complications of type 2 diabetes in a primary care practice. American College of Epidemiology. San Francisco, California, September 1998.
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16. Kirk JK, Smoak MM, Spangler JG. Osteoporosis chart review management in a university family practice program. Conference on Patient Education. Orlando, Florida, November 1998.
17. Kirk JK, Mattox MG. Patient outcomes associated with a diabetes pharmacotherapy certificate program. International Meeting of American College of Clinical Pharmacy. Orlando, Florida, April 1999.

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18. Kirk JK, Sharp P, Pearce KA, Smoak MM. Using social support to improve hypertension treatment, Society of Teachers of Family Medicine. Seattle, Washington, April 1999. Award Winning Poster.
19. Kirk JK, Nichols M. Utilization of a chart review for osteoporosis patient education and evaluation of a peripheral dexta measurement. 22nd Annual Conference on Patient Education. Albuquerque, New Mexico, November 2000.
20. Kirk JK, Spangler JG, Brandman J. Comparison of costs associated with two continuous hormone replacement therapies (CCHRTs) in the management of menopause. American Society of Health-Systems Pharmacists, Midyear Clinical Meeting. Atlanta, Georgia, December 2002.
21. Kirk JK, Bertoni AG, Case D. Race, region, diabetes and cardiovascular disease. American Heart Association 5th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke. Washington, D.C., May 2004.
22. Kirk JK, Bell RA, Bertoni AG, Arcury TA, Quandt SA, Goff DC, Narayan KMV. Ethnic disparities in the control of glycemia, blood pressure and LDL cholesterol. 19th National Conference on Chronic Disease Prevention and Control, Atlanta, Georgia, March 2005.
23. Kirk JK, Bell RA, Bertoni AG, Arcury TA, Quandt SA, Goff DC, Narayan KMV. Diabetes in diverse populations. 28th Annual Centers for Disease Control and Prevention, Division of Diabetes Translation Conference, Miami, Florida, May 2005.
25. Kirk JK, D'Agostino RB, Bell RA, Passmore LV, Bond D, Kartar AJ, Narayan KMV. Disparities in glycemic control between African Americans and Non-Hispanic White Adults with type 2 diabetes: A meta-analysis Maya Angelou Research Center on Minority Health National Conference, Winston-Salem, North Carolina, September 2005.
26. Kirk JK, Crandall SJ, Christiaanse M, Lambros A, Hildebrandt C, Manuel JC, Russell E. Medical education research at Wake Forest: Are we on the same page? Southeastern Group on Educational Affairs, Louisville, Kentucky, April 2007.
27. Kirk JK, Crandall SJ, Christiaanse M, Lambros A, Hildebrandt C, Manuel JC, Russell E. Do faculty see medical education research as a viable path to promotion? Association of American Medical Colleges, Washington, D.C., November 2007.
28. Kirk JK, Passmore LV, Bell RA, Narayan KMV, D'Agostino RB, Arcury TA, Quandt SA. Disparities in A1C levels between Hispanics and Non-Hispanic White adults with diabetes: A meta-analysis. Diabetes Health Disparities: Determinants, Prevention, Treatment, and Policy, Nashville, Tennessee, November 2007.

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29. Strachan E. Kirk JK. Outcomes in patients with diabetes in a family practice setting. Medical Student Research Day 2007, Wake Forest University School of Medicine, October 2007.
30. Kirk JK, Passmore LV, Bell RA, Narayan KMV, Arcury TA, Quandt SA. Disparities in A1C levels between Hispanic and Non-Hispanic White adults with diabetes: A meta-analysis. 5th National Health Disparities Conference, Vanderbilt University, November 2007.
31. Kirk JK, Gorney B, Johnson JC, Smith PB, Eldridge JC. Basic and clinical science problems course: A student evaluation. Southern Group on Educational Affairs, Nashville, Tennessee, April 2008.
32. Kirk JK, Strachan E, Martin C, Davis SM, Hildebrandt C, Lord R. Diabetes quality of care in a family medicine practice. American Association of Diabetes Educators, Washington D.C., August 2008.
33. Martin C, Strachan E, Peechara M, Davis S, Lord RW, Kirk JK. Racial disparities in diabetes quality of care. North Carolina Public Health Association Annual Educational Conference, New Bern, NC, September 2008.
34. Kirk JK, Marion GS, Davis SW, Strachan E, Lord RW. Predictors of glycemic control in a cohort of family practice patients. 2nd World Congress on Controversies to Consensus in Diabetes, Obesity, and Hypertension, Barcelona, Spain, October 2008.
35. Kirk JK, Hildebrandt C, Marion GS, Crandall SJ. Using standardized patient instructors to train students for diabetes and physical activity counseling with patients of low health literacy. Association for Medical Education in Europe, Málaga, Spain, August 2009.
36. Marion GS, Hildebrandt C, Crandall SJ, Kirk JK. Using standardized patient instructors to train students to effectively counsel patients with low health literacy and diabetes. International Conference on Communication in Healthcare (ICCH), Miami, Florida, October 2009.
37. Marion GS, Hildebrandt C, Kirk JK, Davis S, Crandall SJ. Learning to effectively counsel patients with low health literacy. Faces of a Healthy Future: National Conference to End Health Disparities, Winston-Salem, NC, November 2009.

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38. Calles-Escandon J, Light LL, Lovato L, Getaneh A, Simmons D, Kirk JK, Bonds D, Banerji M, Green J, Menon L, Moogali A, Bergenstal R. Glycemia management of minority participants in ACCORD. 46th Annual Meeting of the European Association for the Study of Diabetes (EASD), Stockholm, Sweden, September 2010.
39. Quandt S, Grzywaca JG, Ip E, Chapman C, Kirk JK, Bell RA, Saldana S, Arcury TA. Identifying common sense models of diabetes in a multi-ethnic sample of rural older adults. Gerontological Society of America (GSA) 63rd Annual Scientific Meeting, New Orleans, Louisiana, November 2010.
40. Harris JD, Namak SY, Davis SW, Lord R, Kirk JK. Change in process and outcome measures in diabetes patients with the implementation of EMR reminders. Georgia Academy of Family Physicians Annual Scientific Meeting, Atlanta, Georgia, November 2010. Award winning poster.
41. Kirk JK, Marion GS, Hildebrandt C, Davis S, Crandall SJ, Siciliano AB. Perceptions of Culturally Competent Diabetes Management in a Primary Care Practice. Health Disparities/Equity Research Symposium, Winston Salem State University, Winston Salem, North Carolina, February 16, 2011.
42. Wofford JL, Kirk JK, Feierseisel K, Miller DP. FDA withdrawal of propoxyphene from the market: Clinical reactions and policies at one academic medical center. Society of General Internal Medicine 34 Annual Meeting, Phoenix, Arizona, May 6, 2011.
43. Bell RA, Arcury TA, Grzywacz JG, Ip E, Kirk JK, Saldana S, Chapman C, Quandt SA. Demographic, health and diabetes self-management correlates of medical skepticism among rural older adults. American Diabetes Association 71st Annual Scientific Sessions, San Diego, California, June 25, 2011.
44. Kirk JK, Hildebrandt CA, Davis SW, Crandall SJ, Siciliano AB, Marion GS. Perceptions of culturally competent diabetes among type 2 patients with diabetes. American Association of Diabetes Educators, Las Vegas, Nevada, August 4, 2011.

INVITED PRESENTATIONS:

1. The General Facts About Insulin. Diabetes Camp, Forsyth County Diabetes Association. Clemmons, North Carolina, July 19, 1993.
2. New Antibiotics. Annual Carolina Seminar, North Carolina Society of Hospital Pharmacists. Greensboro, North Carolina, October 6, 1993.

INVITED PRESENTATIONS: (continued)

3. Counseling Patients About Oral Health Care Needs and the Influence of Medications. Forsyth County Dental Hygienist Association. Winston-Salem, North Carolina, March 8, 1994.
4. Antibiotics in Primary Care. Workshop for Community Physician Preceptors, Graylyn Conference Center. Winston-Salem, North Carolina, March 26, 1994.
5. Overview of the Autonomic Nervous System a Pharmacological Approach. North Carolina Optometrist Society. Myrtle Beach, South Carolina, June 4, 1994.
6. Management of Drug-Drug Interactions. VA Medical Center. Salisbury, North Carolina, June 8, 1994.
7. Practical Aspects of Diabetes Care and Management in Clinical Practice. Community Pharmacists. Winston-Salem, North Carolina, June 21 and 22, 1994.
8. Principles of Management of Controlled Substances. North Carolina Academy of Physician Assistants. Myrtle Beach, South Carolina, August 19, 1994.
9. Oral Antibiotics. Northern Hospital. Mt. Airy, North Carolina, November 2, 1994.
10. Consistency Extended-Release Drug Delivery Systems. North Carolina Society of Hospital Pharmacists. Greensboro, North Carolina, February 9, 1995.
11. A Special Issue: Management of Neuropathies. North Carolina Society of Hospital Pharmacists. Greensboro, North Carolina, February 10, 1995.
12. Common Drug Delivery Systems. Guilford County Physician Extenders. Greensboro, North Carolina, March 14, 1995.
13. Diabetes and the Elderly Patient. Appalachian Geriatric Education Consortium. Winston-Salem, North Carolina, March 17, 1995.
14. Diabetic Complications. Northwest Pharmacists' Association. Winston-Salem, North Carolina, April 26, 1995.
15. Management of Drug-Drug Interactions. New Hanover Regional Hospital. Wilmington, North Carolina, July 19, 1995 and December 15, 1995.
16. Antibiotic Overview for the Outpatient, Elkin Society of Physician Assistants. Elkin, North Carolina, September 19, 1995.
17. Pharmacotherapy Issues Regarding Zidovudine in the Pregnant Patient, Winston-Salem Health Department. Winston-Salem, North Carolina, October 3, 1995.

INVITED PRESENTATIONS: (continued)

18. Ambulatory Care Group Leader. North Carolina Society of Health System Pharmacists. Greensboro, North Carolina, October 11, 1995.
19. Cholesterol Treatment Regimens, Ashboro Pharmacists Association. Asheboro, North Carolina, October 25, 1995.
20. Pharmacological Diabetes Treatment, Forsyth County Diabetes Association. Winston-Salem, North Carolina, January 16, 1996.
21. Reimbursement of Pharmacy Cognitive Services, Pharmacy Leaders Forum, Midpines. Pinehurst, North Carolina, February 10, 1996.
22. Advances in the Pharmacologic Treatment of Osteoporosis, Local Pharmacists. Winston-Salem, North Carolina, March 4 1996.
23. New Pharmacotherapy Treatment Approaches to NIDDM, Primary Care Physicians. Lincolnton, North Carolina, April 9, 1996.
24. Diabetes Pharmacists' Alliance, Wesley Long Hospital. Greensboro, North Carolina, June 8, 1996.
25. Reimbursement for Diabetes Education in a Family Practice Setting, American College of Clinical Pharmacists. Nashville Tennessee, August 7, 1996
26. New Agents in Diabetes Care, Prime Care Physicians. Greensboro, North Carolina, December 3, 1996.
27. Reimbursement Strategies for the Practicing Pharmacist, North Carolina Society of Health-System Pharmacists. Charlotte, North Carolina, February 7, 1997.
28. Reimbursement Strategies for the Practicing Pharmacist, Wilkesboro Regional Medical Center. Wilkesboro, North Carolina, March 16, 1997.
29. New Drugs in Diabetes Care, Spring Symposium Pharmacotherapy Session. Charlotte, North Carolina, May 13, 1997.
30. Update in Pharmacologic Advancements and Diabetes Cases, Symposium Diabetes for Physicians. Charlotte, North Carolina, May 16, 1997.
31. Insulin Resistance in Type 2 Diabetes, Diabetes Alliance of North Carolina. Hickory, North Carolina, May 31, 1997.
32. Diabetes Overview, Board of Pharmacy Review. Chapel Hill, North Carolina, June 2, 1997.

INVITED PRESENTATIONS: (continued)

33. Reimbursement Strategies, Special Interest Round Tables, North Carolina Society of Health-Systems Pharmacists. Greensboro, North Carolina, October 8, 1997.
34. Strategies in Diabetes Management, Guilford County Society of Pharmacists. Greensboro, North Carolina, January 11, 1998.
35. Are Restricted Formularies the Answer to Rising Drug Costs, Primary Care Forum, Winston- Salem, North Carolina, February 10, 1998
36. New Therapeutic Strategies in Type 2 Diabetes Mellitus, Valley Pharmacist Association. Harrisonburg, Virginia, March 29, 1998.
37. Tabs That Can Be Halved, American Society of Health-System Pharmacists. Baltimore, Maryland, May 5, 1998
38. New Diabetes Drugs and Combination Regimens, Carolinas HealthCare System Spring Symposium. Charlotte, North Carolina, May 13, 1998.
39. Diabetes Treatment Strategies in Type 2 Diabetes, North Carolina Society of Health-System Pharmacists. Greensboro, North Carolina, October 7, 1998.
40. Diabetes New Drugs, Wake County Pharmaceutical Association. Raleigh, North Carolina, October 20, 1998.
41. Treatment Options and Monitoring Parameters in Type 2 Diabetes, North Carolina Pharmacy Winter Meeting. Greensboro, North Carolina, February 11, 1999.
42. New Drugs in Primary Care. Carolinas Health Care System Symposium. Charlotte, North Carolina, May 13, 1999.
43. Recent Advances in the Management of Obesity. Physicians Assistants Association. Mt. Airy, North Carolina, August 26, 1999.
44. Utility of a Diabetes Certificate Program for Practicing Pharmacists. Federation of International Pharmacy. Barcelona, Spain, September 8, 1999.
45. Current and Future Trends in Diabetes Management. Southside Pharmaceutical Association. Danville, Virginia, October 15, 1999.
46. New Approaches to Type 2 Diabetes, American Association of Diabetes Educators. Coastal Carolina Association of Diabetes Educators. Greenville, North Carolina, October 24, 1999.

INVITED PRESENTATIONS: (continued)

47. Diabetes Update on Medication Management. Virginia Pharmacy Association. Vienna, Virginia, November 7, 1999.
48. Antibiotic Update and New Drugs. North Carolina Academy of Family Physicians. Asheville, North Carolina, December 3, 1999.
49. New Drugs in 2000, Catawba Association of Pharmacists. Hickory, North Carolina, February 26, 2000.
50. Pharmacologic Strategies for Substance Abuse Treatment. National Conference for North Carolina Academy of Physician Assistants. Raleigh, North Carolina, March 3, 2000.
51. Therapeutic Approaches to Insulin Resistance. Physician Assistants Association. Mt. Airy, North Carolina, March 23, 2000.
52. Antibiotic Update. North Carolina Academy of Family Physicians. Kingston Plantation, South Carolina, July 6, 2001.
53. The New Diabetes Medicines. North Carolina Association of Pharmacists. Wilmington Hilton Riverside, Wilmington, North Carolina, September 9, 2001.
54. Nutrition and Physical Activity in the Management of Diabetes, Medical Review for North Carolina, June 24, 2002.
55. New Medicines, 31st Annual Emery C. Miller Medical Symposium. Kingston Plantation, South Carolina, August 2002.
56. A Guide to Better Diabetes Management, Surry County Health and Nutrition Center, May 23, 2003.
57. The Basics: Human Insulin, Insulin Analogs, and Premixed Insulin Analogs, Piedmont Area Diabetes Educators, Greensboro, North Carolina, November 9th, 2004.
58. Managing Diabetes with Insulin, Insulin Analogs, and Premixed Insulin Analogs, Hickory Pharmacist Association, Hickory, North Carolina March 21, 2005
59. An Update of Insulin Delivery Options. Carolinas Medical Center, Charlotte, North Carolina, November 30, 2005.
60. Overview of Insulin Analogs and Premixed Insulin Analogs in the Management of Diabetes, Pharmacist Association, Albemarle, North Carolina, August 15, 2006.

INVITED PRESENTATIONS: (continued)

61. Quality of Care in Migrants in the US. Migration and Cardiometabolic Risk, Emory University, April 26, 2007.
62. Endothelial Dysfunction in Type 2 Diabetes. Congress International Symposium for Physicians, Monterrey, Mexico, August 11, 2007
63. The Earlier Use of Insulin in Patient with Type 2 Diabetes. Research Triangle Association of Diabetes Educators, Raleigh, North Carolina, August 29, 2007.
64. Managing the Microvascular and Macrovascular Complication of Diabetes. Greensboro Regional Pharmacist Meeting, Greensboro, North Carolina October 30, 2007
65. Diabetes and Pregnancy: A Management Guide. Greensboro Regional Pharmacist Meeting, Greensboro, North Carolina October 31, 2007
66. Managing Diabetes in Older Adults. Research Triangle Association of Diabetes Educators, Raleigh, North Carolina, January 15, 2008.
67. Insulin Strategies in Patients with Diabetes. Research Triangle Pharmacist Association, Durham, North Carolina, February 21, 2008.
68. Managing Your Diabetes, Davey County Hospital, Mocksville, North Carolina, July 25, 2007
69. Developing Reviewers for Practice and Research. American Association of Diabetes Educators, Washington, DC, August 7, 2008
70. The Use of Insulin in Patient with Type 2 Diabetes. Alamance Regional Pharmacist Association, Burlington, North Carolina, January 21, 2009
71. Gestational Diabetes. Research Triangle Association of Diabetes Educators, Durham, North Carolina, February 18, 2009
72. Treatment and Management of Diabetes. Northwest Pharmacy Association, Winston-Salem, North Carolina, February 24, 2009
73. The Core Principles of Insulin Therapy. Cape Fear Pharmacist Association, Fayetteville, North Carolina, March 16, 2010
74. New Treatment Options for Type 2 Diabetes: Incretin-Based Therapy. Northwest Pharmacy Association, Winston-Salem, North Carolina, March 22, 2010.
75. Optimizing Care for the Older Adult with Diabetes. Onslow Pharmaceutical Association, Jacksonville, North Carolina, June 6, 2010.

INVITED PRESENTATIONS: (continued)

76. The Interdisciplinary Team Model for Diabetes Management. 13th Annual Diabetes Management Conference: Translating Diabetes Knowledge into Practice, Diabetes Care Center, Winston-Salem North Carolina, November 19, 2010

Regional Area Health Education Center (AHEC) Programs for Health Care Providers

1. Overview of Renal Failure Pharmacotherapy. Seventh Annual Pharmacy Practice Seminar, School of Pharmacy, UNC Chapel Hill, Coastal AHEC, North Carolina, September 12, 1992
2. New Drug Update, Nursing Continuing Education Program, Catawba Memorial Hospital, Hickory, North Carolina, February, 16, 1993
3. Therapeutic Approaches to Diabetes Mellitus, Mountain AHEC, Asheville, North Carolina, May 5, 1993
4. Geriatric Pharmacotherapy, Hawthorne Inn and Conference Center, Northwest AHEC and Bowman Gray School of Medicine, Winston-Salem, North Carolina, June 4, 1993
5. Therapeutic Approaches to Diabetes Mellitus, Northwest AHEC, Salisbury, North Carolina, October 14, 1993
6. Cardiology Update-Case Studies, Northwest AHEC, Hickory, North Carolina, October 21, 1993
7. Therapeutic Approaches to Diabetes Mellitus, Northwest AHEC, Wilkesboro, North Carolina, November 17, 1993
8. Pharmacokinetics Update and Review, Fayetteville AHEC, Fayetteville, North Carolina, April 10, 1993
9. Diabetes Mellitus in Youth, Mountain AHEC, Asheville, North Carolina, November 20, 1993
10. Recognition and Case Studies of Significant Drug-Drug Interactions, Coastal AHEC, Wilmington, North Carolina, April 19, 1994
11. Therapeutic Approaches to Diabetes Mellitus for Nurses and Pharmacists, Northwest AHEC, Boone, North Carolina, May 19, 1994
12. Therapeutic Approaches to Diabetes Mellitus for Nurses and Pharmacists, Northwest AHEC, Hickory, North Carolina, May 24, 1994

INVITED PRESENTATIONS: (continued)

Regional Area Health Education Center (AHEC) Programs for Health Care Providers

13. Antibiotics in the Elderly: Contrasting Oral Agents, Annual Geriatric Pharmacotherapy Program, Northwest AHEC, Winston-Salem, North Carolina, June 3, 1994
14. Results of the Diabetes Control and Complications Trial: Implications for Pharmacists, Moses Cone Hospital, Greensboro AHEC, Greensboro, North Carolina, December 10, 1994
15. What's New in Drug-Drug Interactions, Mountain AHEC, Asheville, North Carolina, April 13, 1995
16. What's New in Drug-Drug Interactions, Coastal AHEC, Wilmington, North Carolina, April 25, 1995
17. Drug and Food Interactions, Northwest AHEC Nutritional Needs of the Geriatric Patient, Winston-Salem, North Carolina, May 12, 1995
18. Pharmacotherapy Case Management Series - Hypertension, Northwest AHEC, Winston-Salem, North Carolina, September 17, 1995
19. What's New and What Works in Diabetes Management, Northwest AHEC, Winston-Salem, North Carolina, November 1, 1995
20. Significant Drug-Drug Interactions, Northwest AHEC, Winston-Salem, North Carolina, December 13,
21. Cardiology Update-Case Studies, Northwest AHEC, Winston-Salem, North Carolina, November 6, 1995
22. Diabetes Management for Pharmacists, Charlotte AHEC, Charlotte, North Carolina November 6, 1996
23. Hormone Replacement Therapy, Mountain AHEC, Asheville, North Carolina, April 13, 1997
24. Issues in Hormone Replacement Therapy, Charlotte AHEC, Concord, N North Carolina, October 15, 1997
25. Diabetes Mellitus Update, Mountain AHEC, Asheville, North Carolina, October 11, 1998
26. Diabetes Certificate Program, Southern Regional AHEC, Fayetteville, North Carolina, October 26, 1998

INVITED PRESENTATIONS: (continued)

Regional Area Health Education Center (AHEC) Programs for Health Care Providers

27. Diabetes Treatment Strategies, Southern Regional AHEC, Fayetteville, North Carolina
December 11, 1998
28. New Drug Treatments, Alleghany Physicians, Northwest AHEC, North Carolina
April 25, 2000
29. Significant Drug-Drug and Drug-Food Interactions, Broughton Hospital Physicians,
Northwest AHEC, North Carolina, August 1, 2000
30. Medication Management: Diabetes Education Issues, Northwest AHEC, 22nd Annual
Physician Mountain Medical Meeting, Asheville, North Carolina, October 26, 2001
31. New Pharmacologic Agents, Wake AHEC Raleigh, North Carolina, November 14, 2001
32. Update on New Drugs, Northwest AHEC, Winston-Salem, North Carolina, December 6,
2001
33. Optimizing Pharmacotherapy for Type 2 Diabetes, Wake AHEC, Raleigh, North Carolina
May 8, 2002
34. Treatment of Adult Hypertension, Community Care Center, Winston-Salem, North
Carolina, July 22, 2004
35. Medication Management of Type 2 Diabetes, Northwest AHEC, Winston-Salem, North
Carolina, November 10, 2004
36. Current Medication Therapies in Diabetes for Elders, 1st Annual Geriatric Conference,
Northwest AHEC, Brookstown Inn, Winston-Salem, North Carolina, December 3, 2004
37. New Pharmacologic Agents, Wake AHEC, Raleigh, North Carolina, May 13, 2005
38. Pharmacotherapy of Diabetes Treatment in Pediatrics, Northwest AHEC, Winston-Salem,
North Carolina, October 5, 2005
39. Innovative Strategies for Diabetes Management, Northwest AHEC, Winston-Salem,
North Carolina, November 4, 2005
40. Advances in Diabetes Pharmacotherapy, Northwest AHEC, North Carolina, March 12,
2006
41. New Pharmacologic Agents, Wake AHEC, Raleigh, North Carolina, March 23, 2006

INVITED PRESENTATIONS: (continued)

Regional Area Health Education Center (AHEC) Programs for Health Care Providers

42. Diabetes Drug Update, Grand Rounds, Rowan Regional Medical Center, Northwest AHEC, Salisbury, North Carolina, October 5, 2006
43. 3rd Annual Geriatrics Symposium, New Insulin Therapy, Northwest AHEC, Winston-Salem, North Carolina, February 23, 2007
44. Insulin Management Options, Rowan Regional Medical Center, Northwest AHEC, Salisbury, North Carolina, September 27, 2006
45. Pharmacotherapy of Diabetes Grand Rounds, Rowan Regional Medical Center, Northwest AHEC, Salisbury, North Carolina, June 22, 2007
46. Diabetes Specific Treatment Strategies, Oral and Injectables, Rowan Regional Medical Center, Northwest AHEC, Salisbury, North Carolina, July 7, 2007
47. Current Strategies in Oral Diabetes Therapy. 4th Annual Geriatrics Symposium, Winston Salem, North Carolina, February 8, 2008
48. Diabetes Update and an Overview of the ACCORD Trial, Community Care Clinic, Northwest AHEC, Winston Salem, February 28, 2008
49. 2nd Annual Women's Health Symposium, Emerging Treatments in Diabetes for Women, Northwest AHEC, Grandover Resort, Greensboro, North Carolina, March 28, 2008
50. Insulin Therapy and Strategies in the Patient with Type 2 Diabetes. Pharmacists Association, Charleston, South Carolina, November 13, 2008
52. 5th Annual Geriatrics Symposium, Vitamin D Deficiency and Insufficiency, Northwest AHEC, Winston-Salem, North Carolina, February 6, 2009
53. 6th Annual Geriatrics Symposium, Popular Herbal Medicine, Northwest AHEC, Winston-Salem, North Carolina, February 26, 2010
54. 7th Annual Geriatrics Symposium, Enhancing Adherence: What Does the Evidence Show? Northwest AHEC, Winston-Salem, North Carolina, February 25, 2011
55. CNA Challenges and Rewards: Reaching Your Potential in Patient Care. Medication and the Elderly, Northwest AHEC, Winston-Salem, North Carolina, May 19, 2011
56. 14th Annual Diabetes Management Conference: Strategies for Success. Diabetes Medications: Now and Then. Northwest AHEC and Wake Forest School of Medicine, Winston-Salem, North Carolina, November 11, 2011

INVITED PRESENTATIONS: (continued)

Regional Area Health Education Center (AHEC) Programs for Health Care Providers

57. 8th Annual Geriatrics Symposium, Vitamin Controversies A to Z. Northwest AHEC, Winston-Salem, North Carolina, February 17, 2012

COMMUNITY ACTIVITIES AND SERVICE:

1978 - 1981	Womack Army Hospital
1982 - 1985	North Carolina Memorial Hospital
1987 - 1988	American Heart Association
1988 - 1992	Hospice of Chatham County
1992 - 1998	American Diabetes Association - Forsyth County Chapter
1993 - 1994	Target Health Cholesterol and Blood Pressure Screening
1993 - 1995	Crisis Control Ministry
1993 - 1999	Forsyth County Diabetes Association
1998 - 2002	Diabetes Health Fair, American Diabetes Alert Day, Forsyth County
2004 - Present	Best Health Lecturer
2000 - Present	Lecturer, Community Care Clinic
2007 - Present	American Diabetes Association, Walk for a Cure Silent Auction, Convention Center, Winston-Salem American Association of Diabetes Educators, Walk for a Cure
2008 – Present	Goler Community Gardens MLK Drive Winston-Salem, NC