

CURRICULUM VITAE

PETER GAL, BS PHARM, PHARM.D., BCPS, FCCP, FASHP, FPPAG

- 1. Associate Dean for Academic Affairs, Fred Wilson School of Pharmacy
High Point University.**
- 2. Professor, Fred Wilson School of Pharmacy High Point University.**
- 3. Pharmacotherapy and Research Consultant, Neonatal ICU,
Women's Hospital of Greensboro, Cone Health**

PETER GAL, PHARM.D., BCPS, FCCP, FASHP

PERSONAL INFORMATION

Business Address: Fred Wilson School of Pharmacy High Point University
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One University Parkway, High Point, NC 27268
Office Phone: (336) 841-9550
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EDUCATION

1977 Doctor of Pharmacy
State University of New York at Buffalo, New York

1975 Bachelor of Science in Pharmacy
St. John's University, New York

1970 Forest Hills High School
Forest Hills, Queens, New York

SPECIAL HONORS AND AWARDS

2011 Fellow of the Pediatric Pharmacy Advocacy Group

Distinguished Practitioner, National Academies of Practice

2008 Richard A Helms Award for Excellence in Pediatric Pharmacy Practice, Pediatric
Pharmacy Advocacy Group.

2006 The 14th Howard Q. Ferguson Award, UNC School of Pharmacy

1997 Fellow of the American Society of Health-System Pharmacists

1995 Pharmacist of the Year, North Carolina Society of Hospital Pharmacists

1992 Pharm.D. Class Teacher of the Year Award, School of Pharmacy, The University of
North Carolina at Chapel Hill

1990 American College of Clinical Pharmacy Clinical Practice Award

1990 Elected Fellow of the American College of Clinical Pharmacy

1983 Nominee, Board of Trustees, Research Foundation, American College of Clinical
Pharmacy

1975 NARD Award. Essay on "Future Direction in Pharmacy"

1975 Pharmacy Student Achievement Award, Long Island Society of Hospital Pharmacists,
Long Island, New York

PROFESSIONAL EXPERIENCE

- 6/2014-present Associate Dean for Academic Affairs, High Point University School of Pharmacy
- 1/2013-5/2014 Member, First Databank's Pediatric Dosing Expert Panel (PDEP).
- 3/2013-6/2014 Professor of Clinical Education, Division of Pharmacy Advancement and Clinical Education, Eshelman School of Pharmacy, University of North Carolina at Chapel Hill
- 9/00 – 2006 Member, Pediatrics Expert Committee for United States Pharmacopeia (USP)
- 6/98 – 2005 Member, Research Advisory Committee, Moses Cone Health System (formerly Medical Research Committee)
- 7/92 – 6/2014 Director, Neonatal Pharmacotherapy Fellowship/Residency Program, Women's Hospital, Greensboro, North Carolina
- 1/89 – 3/2013 Clinical Professor, School of Pharmacy, University of North Carolina, Chapel Hill, North Carolina
- 9/90 – 6/2014 Clinical Professor, School of Pharmacy, University at Buffalo, State University of New York, Buffalo, New York
- 9/86 – 9/2013 Co-Director, Neonatal Clinical Pharmacology Research and Development Laboratory, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 7/87 – 6/00 Research Consultant, Department of Pharmacy, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 6/81 – 6/88 Director of Research, Department of Pharmaceutical Services, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 7/79 – 6/2014 Director of Pharmacy Education and Research (renamed Graduate Pharmacy Education Department), Greensboro Area Health Education Center, Greensboro, North Carolina
- 7/83 – 1/89 Clinical Associate Professor, University of North Carolina School of Pharmacy, Chapel Hill, North Carolina
- 7/83 – 1/1995 Clinical Assistant Professor, Department of Family Medicine, University of North Carolina, Chapel Hill, North Carolina
- 11/81 – 6/83 Clinical Instructor, Department of Family Medicine, University of North Carolina, Chapel Hill, North Carolina
- 7/79 – 6/83 Clinical Assistant Professor, University of North Carolina School of Pharmacy, Chapel Hill, North Carolina
- 9/78 – 6/79 Credentialed Consultant in Clinical Pharmacy, Georgia Baptist Medical Center, Atlanta, Georgia

- 9/77 – 6/79 Assistant Professor of Clinical Pharmacy, Mercer University School of Pharmacy, Atlanta, Georgia
- 9/75 – 12/77 Teaching Assistant, Professional Practice Laboratory, State University of New York at Buffalo, New York
- 1/78 – 9/78 Clinical Clerkship Coordinator of Pharm.D. Students, Veteran's Administration Hospital, Atlanta, Georgia
- 9/77 – 11/77 Pharm.D. and Undergraduate Clerkship Preceptor, Grady Hospital, Atlanta, Georgia

CLINICAL PRACTICE AND EXPERIENCE

- 1977-1979 Neonatal clinical pharmacist, Georgia Baptist Hospital
- 1977-1979 Pulmonary clinical pharmacist, Georgia Baptist Hospital
- 1979-6/2014 Neonatal Pharmacotherapy Specialist, Moses Cone Hospital & Cone Health
- 1980-1984 Family Practice Pharmacist, Moses Cone Hospital
- 1980-1987 Asthma Clinic Pharmacist, Guilford County Health Department
- 1980-1985 Epilepsy Clinic Pharmacist, Guilford County Health Department
- 1980-1983 Developmental Clinic, Moses Cone Hospital
- 1996-2012 Pulmonary Clinic, Rockingham County Health Department

CERTIFICATION/LICENSURE

- 2014 Human Research Curriculum. Basic Biomedical Course. (Certificate completed 5/10/2014. Collaborative Institutional Training Initiative (ID# 1297997). (Affiliated through Cone Health)
- 2009 Human Research Curriculum. Basic Biomedical Course. (Certificate completed 6/2009- expires 6/2011). Collaborative Institutional Training Initiative (ID# 1297997). (Affiliated through University of Alabama)
- 1994 Board Certified Pharmacotherapy Specialist, Board of Pharmacotherapy Specialists, Washington, DC (recertified 2001, 2009). No. 294124
- 1981 Registered Pharmacist, NC; License # 7684
- 1976 Registered Pharmacist, NY; License # 030161

PROFESSIONAL SOCIETIES AND ACTIVITIES

- 2012 Member, Neonatal Hospital Pharmacists Panel
- 1994 – 2002 Member, Society of Critical Care Medicine
- 2000 – present Member, Pediatric Pharmacy Advocacy Group (PPAG)

- 1993 – 2002 Member, Pediatric PN, American College of Clinical Pharmacy
- 1986 – 1990 Member, Pediatric SIG, American Society of Hospital Pharmacists
- 1985 – 2000 Member, Adult Clinical SIG, North Carolina Society of Hospital Pharmacists
- 1981 – present Member, American College of Clinical Pharmacy
- 1979 – 2000 Member, North Carolina Society of Hospital Pharmacists
- 1975 – present Member, American Society of Health System Pharmacists (Previously American Society of Hospital Pharmacists)
- 1979 – 1985 Member, Guilford County Society of Pharmacists
- 1977 – 1985 Member, American Association of College of Pharmacy
- 1977 – 1980 Member, American Academy of Pharmaceuticals Sciences
- 1975 – 1980 Member, American Pharmaceutical Association
- 3/2008 Member, Selection Committee for 2nd Annual Summer Yaffe Lifetime Achievement Award in Pediatric Pharmacology and Therapeutics. Presented by the Pediatric Pharmacy Advocacy Group
- 6/98 – 2004 Member, Founding Committee for the Greensboro Pharmacist IPA and Chair, Credentials and Practice Standards Committee
- 1/97 – 9/97 Consultant to a community pharmacy (Bennett’s Pharmacy) to help re-engineer pharmacy and implement pharmaceutical care
- 8/96 – 5/2013 Established and run Asthma Referral Clinical in Rockingham County Health Department, Reidsville, NC
- 1/93 – 1/95 Established and service a polypharmacy clinic, Family Practice Center, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1987 – 1995 Neonatology Consultant on the Professional Advisory Board for SIMKIN, Inc., Gainesville, Florida
- 6/79 – present Consultant to Neonatal Intensive Care Unit, The Women’s Hospital of Greensboro, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 9/79 – 1/95 Clinical Pharmacy Consultant in Adult General Medicine to Family Medicine Teaching Service, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 9/77 – present Designed protocols for neonatal drug dosing in the Neonatal Intensive Care Nursery, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1982 – 1988 Clinical Pharmacy Consultant to Seizure and Asthma Clinics, Guilford County Department of Public Health, Greensboro, North Carolina

- 10/77 – 7/79 Consultant to Neonatal Intensive Care Unit, Georgia Baptist Hospital, Atlanta, Georgia
- 6/78 – 6/79 Pulmonary Rehabilitation Team Pharmacists, Georgia Baptist Hospital, Atlanta, Georgia

COMMITTEES

- 2013-present Member, Neonatal Narcotic Abstinence Committee, Women's Hospital
Member, NICU Length of Stay Committee, Women's Hospital, Cone Health
Member, Pediatric Dosing Expert Panel, First Data Bank.
- 2012-2013 ASHP 2012 Midyear Clinical Meeting Proposal Review Committee.
- 2010 Member, Mission Planning Evaluation Subcommittee, UNC Eshelman School of Pharmacy.
- 2007-present Member, Strategic Planning Group, Department of Pharmacy Practice and Experiential Education, UNC School of Pharmacy
- 2007-2009 Member, Curriculum Committee, UNC School of Pharmacy
- 2007-2009 Chairman, Seminar Concordance Committee, UNC School of Pharmacy.
- 2006 Committee for evaluation and redesign of community pharmacy experiences. UNC School of Pharmacy.
- 2006 Member, Advisory Board for local chapter of Asthma and Allergy Foundation of America.
- 2005-2007 Member, Appointment, Reappointment, and Promotion Committee, UNC School of Pharmacy
- 2005-2007 Organizer and Member, Council of Senior Pharmacists for UNC School of Pharmacy.
- 2004-6/2014 Member, Leadership Team, Greensboro AHEC
- 2005-6/2014 Member, Rewards and Recognition Committee, Greensboro AHEC
- 2004-2012 Member, Enrollment Expansion Advisory Group, UNC School of Pharmacy.
- 2005-12/2006 Member, Strategic Planning Committee, UNC School of Pharmacy.
- 2005-6/2014 Co-chair, NICU Infectious Disease Committee, Women's Hospital, Greensboro, NC
- 2002-present Member, Selection Committee for the Sumner Yaffee Award, PPAG
- 3/2004 - 2013 Member, Science Advisory Board, UNC-Greensboro
- 1/2004 – 8/2004 Member, Search Committee for Director of Greensboro AHEC

- 7/03 – 2004 Member, Search Committee for Chairman, Pharmacotherapy Division at UNC School of Pharmacy
- 11/01 – 6/2014 Member, NICU Brain Protection Committee, Women’s Hospital of Greensboro
- 11/00 – 2006 Member, Pediatric Expert Panel, U.S. Pharmacopeia (5-year appointment)
- 1/00 – 6/2014 Member, NICU Pulmonary Committee, Women’s Hospital of Greensboro
- 1/00 – 6/2014 Member, NICU Pain Committee, Women’s Hospital of Greensboro
- 1/00 – 12/2004 Member, NICU Infection Control Committee, Women’s Hospital of Greensboro
- 1995 – 2008 Member, Faculty Development/Mentoring Committee, School of Pharmacy, University of North Carolina at Chapel Hill
- 1998 – 2003 Member, Vanguard Committee, UNC School of Pharmacy
(an advisory committee formed by Dean Campbell to guide the future directions the school should take)
- 1/99 – 2001 Chair, AHEC Pharmacist Research Committee, UNC School of Pharmacy
- 11/99 – 2001 Member, Research Committee, Subcommittee A. American College of Clinical Pharmacy
- 11/98 – 11/99 Chairman, Clinical Practice Affairs Subcommittee B, American College of Clinical Pharmacy
- 1998 – 2000 Member, Subcommittee to Develop Measures for “Progressive Pharmaceutical Care Practice” (UNC School of Pharmacy)
- 1997 – 1998 Member, Heart Team Study Group, Medical Review of North Carolina, Inc. Raleigh, North Carolina
- 1997 – 2004 Member, Medical Education Research Committee, Moses Cone Hospital, Greensboro, North Carolina
- 1996 – 1998 Member, Expert Advisory Panel for the Judicious Use of Antibiotics, North Carolina
- 1996 – 2000 Chair, Interdisciplinary Case Management Programming Committee, Greensboro, AHEC
- 1995 – 2000 Member, ACCP Fellowship Review Subcommittee
- 1995 – 1997 Member, 1996 Annual Program Committee, American College of Clinical Pharmacy
- 1993 – 1994 Member, Pediatric Pharmacy Practice Search Committee, School of Pharmacy, University of North Carolina at Chapel Hill, North Carolina
- 1993 – 1996 Chair, Research Committee, AHEC Pharmacy Faculty, School of Pharmacy, University of North Carolina at Chapel Hill, North Carolina
- 1993 – 1999 Member, Executive Committee, AHEC Pharmacy Faculty, School of Pharmacy, University of North Carolina at Chapel Hill, North Carolina

- 1993 – 2008 Member, Faculty Development Committee, School of Pharmacy, University of North Carolina at Chapel Hill, North Carolina
- 1992 – 1998 Member, Fellowship Review Committee, American College of Clinical Pharmacy
- 1991 – 1992 Member, Program Committee, American College of Clinical Pharmacy
- 1989 – 1993 Member, Pharmacotherapy Specialty Council, Board of Pharmaceutical Specialties, American Pharmaceutical Association
- 1981 – 2000 Member, Executive Board of the Greater Greensboro Chapter of the Epilepsy Association of North Carolina
- 1989 Member, Strategic Planning Group on Pharmaceutical Services for the Division of Pharmacy Practice, School of Pharmacy, University of North Carolina, Chapel Hill, North Carolina
- 1988 – 1989 Member, Program Committee, American College of Clinical Pharmacy
- 1988 Member, Search Committee for Chief of Pediatric Teaching Service and two Pediatric Faculty, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1988 Member, Clinical Drug Protocol Review Committee, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1987 Member, Task Force to Develop an Institutional Review Board, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1987 Member, Child Care Task Force, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1985 – 1987 Member, Cost Containment Task Force, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1985 – 1986 Member, Program Committee, American College of Clinical Pharmacy
- 1985 – 1986 Member, Statewide AHEC Program Planning Committee
- 1982 – 1983 Member, Communications/Public Relations Committee of the North Carolina Society of Hospital Pharmacists
- 9/78 – 6/79 Member, Mercer University School of Pharmacy, Research Committee, Atlanta, Georgia
- 9/77 – 6/79 Member, Mercer University School of Pharmacy, Discipline Committee, Atlanta, Georgia

TEACHING RESPONSIBILITIES

- 2010-2011 Designed virtual model NICU in Second Life for student introductory orientation to NICU.
- 2007-2008 “Study patient data availability”, taught in Ethical Dilemmas in Research course, PHCY 801
- 12/97 – 2003 Coordinator, Asthma Certificate Training Program, Greensboro AHEC
- 7/92 – 6/2014 Residency/Fellowship Director, Neonatal Pharmacotherapy Fellowship, Greensboro AHEC and The Women’s Hospital of Greensboro, Greensboro, North Carolina
- 8/79 – 6/2014 Coordinator of 92L Pharmacy Students Externship rotation to the Greensboro AHEC through the University of North Carolina School of Pharmacy, Chapel Hill, North Carolina
- 8/90 – 5/2014 Preceptor for PY4 Pharmacy Students, for Clinical Rotations in Neonatology, Women’s Hospital, Greensboro, NC
- 2/80 – 6/90 Preceptor for Clinical Pharmacy Rotations in Neonatology, Pharmacokinetics, Neurology, and Research for Pharmacy Resident of The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1985 – 2014 Lectures to Pharm.D. students at UNC-Chapel Hill on Fetal Drug Effects, Neonatology, and Neonatal/Pediatric Pharmacokinetics
- 1985 – 1993 Precept Pharm.D. students from the University of North Carolina at Chapel Hill in Pediatrics, Family Medicine, and Neonatology, and Pharm.D. Students from SUNY at Buffalo in Neonatology
- 1987 – 1989 Preceptor for clinical pharmacology rotation for third year pediatric residents at The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1986 – 1988 Co-preceptor for two-year fellow in Pharmacokinetics, The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1986 – 1987 Co-preceptor for fellow in Pediatrics at The Moses H. Cone Memorial Hospital, Greensboro, North Carolina and the University of North Carolina at Chapel Hill
- 6/81 – 1985 Initiated pharmacy teaching consultations and chart review with the Resident Staff of the Family Medicine Residency Program at The Moses H. Cone Memorial Hospital, Greensboro, North Carolina
- 1979 Designed and functioned as Chairman, Pharm.D. Seminar, Mercer University School of Pharmacy, Atlanta, Georgia
- 1978 – 1979 Presented Undergraduate and Pharm.D. therapeutic lectures, Mercer University School of Pharmacy, Atlanta, Georgia
- 1978 Designed and taught Applied Pharmacokinetics Course to Doctor of Pharmacy Candidates at Mercer University School of Pharmacy, Atlanta, Georgia

PROJECTS COMPLETED

2010 Designed a virtual NICU in Second Life and coinvestigator in project designing and evaluating the utility of the virtual NICU in preparing students for NICU experience.

GRANTS FUNDED

2011 Co-principle investigator for study of ‘Dose-related benefits of Bio Gaia® efficacy to prevent NEC and infection in neonates with birthweight below 1000g. Principle investigator: Annavic Dimaguila MD. \$9,000.00

2010 Co-investigator for study of evaluation of BioGaia® efficacy to prevent NEC and infection, and promote feeding in neonates with birthweight below 1000g. Principal Investigator: Annavic DiMaguila MD. \$7,500.00

2009 Principle Investigator, Orienting pharmacy students to the specialty practice area of neonatal intensive care unit through the virtual world of second life. Lenovo Innovation Grants. \$9,900

Co-investigator, Impact of Gavsicon on blood aluminum levels in preterm neonates receiving treatment for gastroesophageal reflux. Pediatric Pharmacy Advocacy Group/Lundbeck, Inc. Neonatal Pharmacy Resident/Fellow Research Grant. \$2,000

2007 Principle Investigator, Indomethacin Pharmacodynamic Profile in Neonates Treated for Patent Ductus Arteriosus. Ovation Pharmaceuticals, Inc. \$6,300

Principle Investigator, Does Indomethacin (INDO) treatment for PDA closure affect the rate of necrotizing enterocolitis (NEC) in preterm infants? Ovation Pharmaceuticals, Inc. \$2,000

2005 Co-Investigator, Protocol-Driven Utilization of Low Molecular Weight Heparin in Morbidly Obese Surgery Patients. Sanofi-Aventis Pharmaceutical \$118,000

2001 Co-Investigator, Evaluation of Procalcitonin as a marker of Neonatal Sepsis. Moses Cone Health System Research Fund. \$2,000

Principle Investigator, “Reliability of Procalcitonin as a marker for late-onset sepsis in neonates”. UNC-Chapel Hill, School of Pharmacy. Faculty seed grant. \$4,730

2000 Principal Investigator, Pharmacokinetic and Pharmacodynamic Modeling of Caffeine in Premature Infants. UNC-Chapel Hill, School of Pharmacy. Faculty seed grant. \$5,868

- 1999 Co-Investigator, “Diabetes Care and Risk Reduction Project of the Free Clinic of Reidsville and Vicinity”. Kate B. Reynolds Foundation. \$140,600
- 1997 Pilot Project at Western Rockingham Family Medicine (multiple sources). \$36,000
- 1997 Preventive Cardiology Certificate Program, Merck Pharmaceutical Co. \$18,000
- 1997 Pharmacy Education Grants (multiple sources). \$29,000
- 1997 Co-Investigator, “Point-of-Care measurement of pharmaceutical care outcomes”. UNC-Chapel Hill, School of Pharmacy. Faculty seed grant. \$2,200
- 1996 Pharmacy Education Grants (multiple sources). \$26,000
- 1996 Co-Investigator, “Clinical and Economic Impact of a Community Pharmacist in a rural family practice office setting.” Merck & Co., Inc. \$25,000
- 1996 Co-Investigator, “Correlation of Ampicillin to Gentamicin in Clearance in Neonates”. The Moses H. Cone Memorial Hospital, Education Committee. \$2,000
- 1995 Co-Principal Investigator, “Corticosteroid activity in neonates: relationship to developing chronic lung disease”. The Moses H. Cone Memorial Hospital, Education Committee. \$2,500
- 1995 Co-Investigator, “Using Event Monitors and Refill Records to Determine Compliance with Zidovudine in Patient with HIV. The Moses H. Cone Memorial Hospital, Education Committee. \$1,970
- 1994 Co-Investigator, “Long-term retention by health care providers of proper techniques of metered dose inhaler use”. Glaxo, Inc. \$4,334
- Co-Investigator, “An evaluation of the bioavailability of topical indomethacin”. Research Committee, The Moses H. Cone Memorial Hospital. \$1,920
- 1993 Co-Investigator, “Smoking cessation demonstration study for employees of The Moses H. Cone Group of Health Care Services”. Marion Merrell Dow, Inc. \$9,764.08
- Co-Principal Investigator, “Evaluating the delivery of nebulized and metered dose Inhalers in an in vitro neonatal lung system” Glaxo, Inc. \$15,244
- 1992 Principal Investigator, “Pharmacist-managed polypharmacy clinic in a family practice teaching program”. Pharmacy Foundation of North Carolina, Inc. \$6,500
- Co-Investigator, “Evaluating and Comparing the Reliability of the Theophylline Assay On the Biotrack 512 System to the Abbott TDx® in a Neonatal Population”. Ciba Corning Diagnostics Corporation \$1,200
- Co-Investigator, “Evaluation of Drug Compatibilities in Neonatal Intravenous Solutions”. The Upjohn Company \$500
- 1991 Co-Investigator, “Pharmacokinetics of tiacarcillin/clavulante in the pre-term neonate”. SmithKline Beecham \$2,000

- 1990 Co-Investigator, "Heparin Concentration – Response in Low Birthweight Neonates". The Upjohn Company \$600; Merrell Dow Pharmaceuticals, Inc. \$500
- 1988 Co-Investigator, "The Bioavailability of Intranasal Verapamil". The Moses H. Cone Memorial Hospital \$2,000
GD Searle – Assays provided at no charge
- Co-Principal Investigator, "Drug Delivery Through Ventilators".
The Upjohn Company \$3,000
- 1987 Co-Investigator, "Pharmacokinetic and Pharmacodynamic Relationship of Heparin and Its Application to Dosage Individualization During Hemodialysis".
HemoTec, Inc. \$2,892
DuPont Diagnostics Division \$4,080
- Principal Investigator, "Heparin Dosing Guided by Blood Levels and Pharmacokinetic Adjustment". HemoTec, Inc. \$22,975.75
- Co-investigator, "Alpha-1 Acid Glycoprotein Concentration and Protein Binding in Patients with Stroke". The Moses H. Cone Memorial Hospital \$1,527
- Co-Investigator, "Relationship of Indomethacin Serum Concentrations to Patent Ductus Arteriosus Closure and Renal Toxicity". The Moses H. Cone Memorial Hospital Education Committee, \$1986
- 1985 Co-Investigator for a grant to support expansion of Clinical Pharmacokinetics Services to support specialized pharmacokinetic training of one pharmacy fellow/resident for two (2) years. The Moses H. Cone Memorial Hospital \$37,000
- Co-Investigator, "Heparin Dosing Based on Computer Assisted Drug Assay Interpretation Using the Chiou Kinetic Model". ASHP Research and Education Foundation \$4,980
- 1985 Principal Investigator, "Cefonicid Pharmacokinetics in Chronic Ambulatory Peritoneal Dialysis Patients". Smith, Kline & French \$4,000
- 1984 Co-Principal Investigator, "Inhal-Aid Delivery of Aerosolized Albuterol in Adults Asthmatics". The Moses H. Cone Memorial Hospital \$1,200
- 1983 Co-Principal Investigator, "Factors Influencing Antibiotic Costs – A Survey". Roerig/Pfizer Pharmaceutical Company \$4,250
- Co-Principal Investigator, "Salivary Penetration of Moxalactam". Eli Lilly and Company \$2,500
- 1982 Co-Principal Investigator, "Usefulness of Clorazepate for Relieving Breathlessness in severe COPD patients". The Moses H. Cone Memorial Hospital. \$1,350
- Co-Principal Investigator, "Interactions Between Tobramycin and Piperacillin, Mezlocillin, Cefazolin, Cefoxitin and Cefoperazone".

Lederle \$2,500

The Moses H. Cone Memorial Hospital \$1,250

Principal Investigator, “The Influence of Cimetidine on Lidocaine Pharmacokinetics”. The Moses H. Cone Memorial Hospital \$1,500

Co-Principal Investigator, “Ceftazidime in Patients with Upper Respiratory Infections”. Glaxo, Inc. \$1,500

1981 Principal Investigator, “Free Levels of Phenytoin and Carbamazepine in Geriatric Patients”. Syva Company \$1,700

1978 Principal Investigator, “Theodur Bioavailability: Effects of Food and Tablet Halving”. Key Pharmaceuticals \$9,600

REVIEWER: GRANT PROPOSALS

2010&2012 Thrasher Research Fund

REVIEWER: JOURNAL ARTICLES

Epilepsia 2010

Pediatric Drugs 2010

Journal of Neonatal-Perinatal Medicine, 2009

Journal of Perinatology, 2001 – present

Current Therapeutic Research, 2001

Journal of Clinical Pharmacology, 2000 – 2001, 2005-present

Journal of Pediatric Pharmacology and Therapeutics, 2000-present

The Journal of Pediatric Pharmacy Practice, 1996 – 2000

American Journal of Hospital Pharmacy (AJHP), 1983 – present

Annals of Pharmacotherapy, 1984 – present

Archives of Internal Medicine, 1988 – 2006

Chest, 1984

Clinical Pharmacy, 1983 – 1984

Developmental Pharmacology and Therapeutics, 1989 – 1992

DICP, The Annals of Pharmacotherapy, 1983 – 1984
(Renamed the Annals of Pharmacotherapy)

Journal of Pediatrics, 1989 – 1996

Neonatal Pharmacology Quarterly, 1992

Neurology, 1986 – present

Pediatrics, 1984, 1986, 1987, 1988, 1995, 1997, 2003-2008

Pharmacotherapy, Abstract Reviewer 1986 – present

REVIEWER ABSTRACTS AND TEXTBOOK CHAPTERS

- 2014 Advanced Pediatric Therapeutics 1st Edition, PPAG
- 2001 The Teddy Bear Book, American Society of Health System Pharmacists,
- 2000 Clinical Pharmacokinetics 2nd Edition, American Society of Health System Pharmacists
2001
- 1998 Ambulatory Care Clinical Skills Program: Practice Management Module, American
Society of Health System Pharmacists, 2000
- 1995 Guidelines for Administration of Intravenous Medications to Pediatric Patients, 5th ed.,
American Society of Hospital Pharmacists
- 1993 Guidelines for Administration of Intravenous Medications to Pediatric Patients, 4th ed.,
American Society of Hospital Pharmacists
- AHFS, American Hospital Formulary Service, American Society of Hospital
Pharmacists, 1993
- NeoFax®, Thomas E. Young and O. Barry Mangum, Wake Medical Center, Raleigh,
North Carolina
- 1991, 2010 American College of Clinical Pharmacy (ACCP), Abstract Reviewer, Twelfth Annual
Meeting, Minneapolis, Minnesota, August 18-21, 1991; Spring Practice and Research
Forum, 2010.

EDITING

Editorial Board, Dataset Papers in Medicine, 2012-present.

Guest Editor, Journal of Pediatric Pharmacology and Therapeutics vol. 11 (3): July-
September, 2006. Special issue on surfactant for neonatal respiratory distress syndrome.

Chairman, Editorial Panel on Neonatology, Annals of Pharmacotherapy, June 2004-
present.

Contributing Editor, Practice Management Module, Ambulatory Care Clinical Skills
Program, American Society Health System Pharmacists, 1999

Editorial Review Board, Journal Of Pediatric Pharmacology and Therapeutics, JPPT
(previously The Journal of Pediatric Pharmacy Practice), January 1996 – present

Chairman, Editorial Panel on Pediatrics, Annals of Pharmacotherapy (previously Drug Intelligence and Clinical Pharmacy), January 1989 – June 2004.

Member, Editorial Panel on Pediatrics, Drug Intelligence and Clinical Pharmacy, January 1985 – 1989

Contributing Editor, Managing Chronic Disease, Rogers CS and McCue JD (Eds.); Medical Economics Books, 1986

PUBLICATIONS: TEXTBOOK CHAPTERS, ARTICLES, ABSTRACTS, AND BOOK REVIEWS

TEXTBOOK CHAPTERS

2015

Forward for NICU Primer for Pharmacists. Holmes AP (ed.) Published by ASHP.

Hypoxic-Ischemic Encephalopathy. In: Eiland L, Todd T (eds.) Advanced Pediatric Therapeutics. 2015, Chapter 7.

Neonatal Seizures. In: Eiland L, Todd T (eds.) Advanced Pediatric Therapeutics. 2015, Chapter 8.

2011

Precepting and teaching students for success: Keep it positive! (Essay). In: Zlatic TD, Zellmer WA (Eds), Nourishing the soul of pharmacy, Stories of reflection. ACCP, Kansas pp.194-196.

2007

Gal P, Reed M. Principles of Drug Therapy. In: Kliegman RM, Behrman RE, Jenson HB, Stanton BF (Eds), Nelson Textbook of Pediatrics 18th Edition, Saunders Elsevier, Philadelphia pp. 331-339 (Chapter 57).

Rodgers GC, Condurache T, Reed M, Gal P, Bestic M. Poisonings. In: Kliegman RM, Behrman RE, Jenson HB, Stanton BF (Eds), Nelson Textbook of Pediatrics 18th Edition, Saunders Elsevier, Philadelphia pp. 339-357 (Chapter 58).

Gal P, Reed MD. Medications. In: Kliegman RM, Behrman RE, Jenson HB, Stanton BF (Eds), Nelson Textbook of Pediatrics 18th Edition, Saunders Elsevier, Philadelphia pp. 339-357 (Chapter 716).

2005

Gal P, Ransom JL. Respiratory Distress Syndrome. In: DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey LM (Eds.) *Pharmacotherapy: A Pathophysiologic Approach*, 6th Ed. McGraw-Hill Medical Publishing Division, New York pp. 557-575.

2003

Reed MD, Gal P. Principles of Drug Therapy. In: Behrman RE, KliegmanRM, Jenson HB (Eds), *Nelson Textbook of Pediatrics* 17th edition, WB Saunders Co., Philadelphia pp. 2427-2432.

Gal P, Reed MD. Medications. Principles of Drug Therapy. In: Behrman RE, KliegmanRM, Jenson HB (Eds), *Nelson Textbook of Pediatrics* 17th edition, WB Saunders Co., Philadelphia pp. 2432-2501

2002

Gal P, Shaffer CL. Respiratory Distress Syndrome. In: DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey LM (Eds.) *Pharmacotherapy: A Pathophysiologic Approach*, 5th Ed. 2002, pp531-546.

Pediatric Algorithms. In: *A Guide to Clinical Decision-Making: The PSAP Algorithms, Second Edition*. 2002. (Published by ACCP)

2000

Reed MD, Gal P. Principles of Drug Therapy. In: Behrman RE, KliegmanRM, Jenson HB (Eds), *Nelson Textbook of Pediatrics* 16th edition, WB Saunders Co., Philadelphia, 2000, pp. 2229-2234.

Gal P, Reed MD. Medications. In: Behrman RE, Kliegman RM, Jenson HB (Eds), *Nelson Textbook of Pediatrics* 16th edition, WB Saunders Co., Philadelphia, 2000, pp. 2235-2303.

Gal P. NICU Considerations. In: *Pharmacotherapy Self-Assessment Program Third Edition, Module 9, Pediatrics*, American College of Clinical Pharmacy, Kansas City, 2000, pp. 1-42.

1999

Gal P, Watling SM, Shaffer CL. Respiratory Distress Syndrome. In: DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey LM (Eds.) *Pharmacotherapy: A Pathophysiologic Approach*, 4th ed., Appleton & Lange, Stamford, Connecticut, 1999, pp.478-494

1997

Gal P, Reed M. Therapeutic drug monitoring in the newborn. In: Polin RA, Fox WW (eds), *Fetal and Neonatal Physiology*, 2nd edition.,WB Saunders Co., 1997; 250-255

1996

Gal P, Watling S. Respiratory distress syndrome. In: DiPiro JT, Talbert RL (Eds.), *Pharmacotherapy: A Pathophysiologic Approach*, 3d ed., Elsevier Science Publishing Co., Inc., 1996; 615-633.

1995

Gal P, Chapter: Neonatal Intensive Care Unit Considerations. *Pharmacotherapy Self-Assessment Program Second Edition, Module 2 - Critical Care* 1995;169-214

Gal P. Neonatal ICU Considerations. In: Pharmacotherapy Self-Assessment Program, Critical Care, Module 3, Chapter 5, Kansas City, MO: American College of Clinical Pharmacy;1994; pp.

1993

Gal P and Kandrotas RJ. Heparin. In: Murphy JE (Ed). Clinical Pharmacokinetics, Bethesda: American Society of Hospital Pharmacists, Inc., 1993;91-113.

1992

Gal P and Wyble LE. Respiratory distress syndrome in the newborn. In: DiPiro JT, Talbert RL (Eds.), Pharmacotherapy: A Pathophysiologic Approach, 2nd ed., Elsevier Science Publishing Co., Inc., 1992:466-481.

Gal P and Gilman J. Therapeutic Drug Monitoring: Theoretical and Practical Issues. In: Yaffe SJ and Aranda JV (eds.), Pediatric Pharmacology: Therapeutic Principles in Practice, W.B. Saunders, 2d ed, 1992;157-163.

1988

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1986

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ABSTRACTS

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Bethany Lazear, PharmD Candidate, Peter Gal, PharmD, John Wimmer Jr., MD, Keliana O'Mara, PharmD. Magnetic resonance imaging (MRI) sedation in neonates using oral dexmedetomidine. Presented as a poster session at 47th Annual ASHP Midyear Clinical Meeting, Dec 3, 2012.

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Gal P, Sharpless MK, and Boer HR. Anticonvulsant therapy following neonatal seizures -- how long should it be continued? *Drug Intelligence and Clinical Pharmacy* 1984; 18: 491. Presented at the Fifth Annual Meeting, American College of Clinical Pharmacy, San Diego, California, June 26-29, 1984.

Pigg PH, Rice RT, Lane TW, and Gal P. The effect of probenecid on dicloxacillin in end-stage renal failure. Presented at the 15th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 9-11, 1984.

LaBrecque D, Sharpless MK, and Gal P. Neonatal behavior and seizure recurrence following discontinuation of phenobarbital. Presented at the 15th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 9-11, 1984.

1983

McCue JD, Kavanagh R, Gal P et al. In vitro inactivation of tobramycin by beta-lactam antibiotics. Presented as a poster session at the 23rd Interscience Conference on Antimicrobial Agents and Chemotherapy, Las Vegas, Nevada, October 24-26, 1983.

Oles KS, Gal P, Penry JK, and Tapscott WK. Anticonvulsant use in two extended care facilities. Presented as a poster session at the 15th Annual Epilepsy International Symposium and American Epilepsy Society Meeting, Washington, D.C., September 26-30, 1983.

Oles KS and Gal P. Phenytoin and carbamazepine serum protein binding in a geriatric patient population. *Drug Intelligence and Clinical Pharmacy* 1983; 17: 438. Presented at the 4th Annual Meeting of the American College of Clinical Pharmacy, Washington, D.C., July 10-13, 1983.

Gal P, Toback J, Boer HR, and Erkan NV. Asphyxia lowers phenobarbital dosing requirements in newborns. *Drug Intelligence and Clinical Pharmacy* 1983; 17: 434. Presented at the 4th Annual Meeting of the American College of Clinical Pharmacy, Washington, D.C., July 10-13, 1983.

Kirby MG, Gal P, and King A. Acrodermatitis enteropathica: case study. Presented at the 14th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 11-13, 1983.

Kavanaugh R, Gal P, and Mangum B. In vitro inactivation of aminoglycosides by penicillins and cephalomycin. Presented at the 14th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 11-13, 1983.

Berk S, Gal P, and Douglas J. Correlation of lidocaine efficacy and toxicity with total and unbound serum levels. Presented at the 14th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 11-13, 1983.

Eimer M, Cable R, and Gal P. A trial of clorazepate for symptomatic relief of breathlessness. Presented at the 14th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 11-13, 1983.

1982

Gal P, Toback J, Boer HR, Erkan NV, and Wells TJ. Relationship of phenobarbital plasma concentrations to effective seizure control in neonates. Presented at the 3rd Annual Meeting of the American College of Clinical Pharmacy, Kansas City, June 1, 1982.

Gilman ME, Toback JT, Gal P, and Erkan NV. Individualizing phenobarbital dosing in neonates through a new pharmacokinetic equation. Presented as a platform session at the 17th Annual ASHP Midyear Clinical Meeting, Los Angeles, California, 1982.

Fox NM, Douglas JB, and Gal P. Cimetidine effect on lidocaine serum levels during the treatment of premature ventricular contractions. Presented at the 13th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 6, 1982.

Hasspacher J, Gal P, and Douglas J. Evaluation of an aminophylline monogram. Presented at the 13th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 6, 1982.

Meyer DP, Gal P, and Boer HR. Predictability of creatinine clearance in neonates. Presented at the 13th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 6, 1982.

Silta WH, Gal P, and Lane T. The effects of aspirin on tobramycin clearance. Presented at the 13th Annual Southeastern Conference for Postgraduate Pharmacy Education and Training, Athens, Georgia, March 6, 1982.

1981

Morse G, Gal P, Douglas JB et al. Pharmacist's role in the management of resistant hypertension. Presented at the 16th Annual American Society of Hospital Pharmacists Midyear Clinical Meeting, New Orleans, Louisiana, December 6-10, 1981.

Toback J, Gal P, Roop C et al. Usefulness of theophylline saliva levels in neonates. Presented at the 16th Annual ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December 6-10, 1981.

Woodell WR and Gal P. Prediction of tricyclic antidepressant steady-state concentrations from plasma levels following a single oral dose. Presented at the 12th Annual Regional Conference for Hospital Pharmacy Teachers, Residents and/or Graduate Students, University of Georgia School of Pharmacy, March 6-8, 1981.

Sheehan D, Gal P, and Saxe S. Rational drug therapy with loading doses of phenobarbital and dilantin. Presented at the 12th Annual Regional Conference for Hospital Pharmacy Teachers, Residents and/or Graduate Students, University of Georgia School of Pharmacy, March 6-8, 1981.

Agostinucci W, Gal P, Herring WR et al. Effect of heparin on the prothrombin time. Presented at the 12th Annual Regional Conference for Hospital Pharmacy Teachers, Residents and/or Graduate Students, University of Georgia School of Pharmacy, March 6-8, 1981.

1980

Gal P, Toback J, Job M et al. Protocols to study drug therapy in neonates. *Clinical Research* 1980; 28(1): 102A.

Gal P, Toback J, Erkan NV et al. Phenobarbital blood levels for neonatal seizures. Presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

Job ML, Gal P, and Erkan NV. A protocol for dosing digoxin in neonates and infants. Presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

Leeds NH, Pirohit AA, Walter JB, Gal P et al. The bioavailability and release pattern of whole and halved Theodur tablets. Presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

Donn K and Gal P. Prediction of digoxin dose requirements. Presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

Oles KS and Gal P. Presentation of Stevens-Johnson syndrome due to anticonvulsant therapy in a neonate: first reported case. Presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

Douglas JB, Molic G, and Gal P. Phenytoin-warfarin interaction. Presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

Huffines JP, Dupuis RE, Douglas JB, Gal P et al. Heparin dosing in a community hospital: a retrospective analysis of effectiveness and factors affecting requirements. Presented to Hospital Pharmacy Teachers, Residents and/or Graduate Students, The University of Georgia School of Pharmacy, February 22-24, 1980.

1979

Gal P and Erkan NV. Pharmacist's involvement in a neonatal intensive care unit. Presented at the 14th Annual American Society of Hospital Pharmacists Midyear Clinical Meeting, Las Vegas, Nevada, December 5, 1979.

BOOK REVIEWS

2002

Gal P, Nguyen TN. [Book Review] Catalog of Teratogenic Agents, 10th ed. Am J Health Syst Pharm. 2002; 59(11):1130

1994

Gal P. Reviewed: Evans DAP. Genetic Factors in Drug Therapy, 1994. Neurology 1994:December

1992

Gal P. Reviewed: Behrman RE. Nelson Textbook of Pediatrics, 14th ed, Philadelphia, W.B. Saunders, 1992. Annals of Pharmacotherapy 1992;26:1304.

1990

Gal P. Reviewed: Levy RH, Dreifuss FE, Mattson RH, Meldrum BS, and Penry JK. Antiepileptic Drugs, 3d ed, New York, Raven Press, 1989. Neurology 1990; 40(2): 390.

PRESENTATIONS

2015

Gal P, McPherson C. Neonatology (Pulmonary, Cardiology, Infectious Disease, Neurology). Fall BCPPS Exam Review Conference by PPAG, Houston Texas, Sept 24-26, 2015.

Gal P, McPherson C, Luedtke S. NICU Series Part II Sedation and Analgesia in the Neonate. PPAG Webinar, September 2, 2015.

Gal P, McPherson C, Luedtke S. PPAG NICU Webinar Part I: Narcotic abstinence in pregnancy and the newborn. PPAG Webinar, February 23, 2015.

2014

Gal P. Practice-based research: is it a reasonable goal? Presented as Keynote Speaker for Research Day, Lipscomb University College of Pharmacy & Health Science, October 22, 2014.

2013

Gal P. Use of Antithrombin III to treat DIC in neonates. Presented to Neonatologists, Nurse practitioners, nurses, and pharmacists at Women's Hospital. Jan 17, 2013.

Gal P. Use of Pharmacokinetic and Pharmacodynamic Strategies for Drug Optimization. Presented to Carolinas association of Neonatal Nurse Practitioners, 2013 Neonatal Symposium, Fayetteville, NC April 18, 2013

Gal P. Neonatal sepsis. Presented at 22nd Annual PPAG Conference, Indianapolis, IN, May 2, 2013.

2012

Gal P. Neonatal narcotic abstinence syndrome. Presented to the Florida Society of Neonatologists. Tampa, FL, 9/27/2012

Gal P. Emerging Strategies for Neonatal Infections. Presented as an educational platform session at 47th Annual ASHP Midyear Clinical Meeting, Dec 3, 2012.

2011

Gal P. Neurophysiology of the preterm infant: The impact of anticonvulsants. Presented as a platform session at 46th Annual ASHP Midyear Clinical Meeting, Dec. 5, 2011

Gal P. Stressless strategies for integrating research into your clinical practice: Observational study strategies. Presented as a platform session at 46th Annual ASHP Midyear Clinical Meeting, Dec. 6, 2011

Drug therapy considerations in managing neonatal drug withdrawal. Presented at the 6th Annual NICU Conference: Neonatal Drug Withdrawal-New Approaches to a Changing Problem, Greensboro Area Health Education Center, Greensboro, NC. August 29, 2011.

Procalcitonin strategy for diagnosis of neonatal sepsis. Presented to neonatologists at Women's Hospital, Nov 3, 2011.

Neonatal Sepsis Diagnosis and Treatment: Alternative strategies. Neonatology Conference, Womens Hospital. August 18, 2011.

Asthma review. Presented to pharmacists as part of CE program for Northwest AHEC. May 3, 2011

COPD review. Presented to pharmacists as part of CE program for Northwest AHEC. May 3, 2011

Neonatal narcotic abstinence syndrome. Presented at Pediatric Grand Rounds, Moses Cone Hospital. March 14, 2011.

2010

Neonatal Abstinence Syndrome. Presented at 19th Annual Pediatric Pharmacy Advocacy Group, Pediatric Pharmacy Conference, St. Louis, MO, 10-8-2010.

Asthma Rescue Plan and Proper use of Peak Flow Meters. Presented to multidisciplinary audience in Greensboro as part of Greensboro AHEC Program on Asthma Update 2/23/2010.

2009

Case Presentation, Special Problems in Managing Critically Ill Newborns: Hypotension and Seizures. Presented (combined with Chris McPherson) at 44th Annual ASHP Midyear Clinical Meeting, Las Vegas, NV, Dec 9, 2009.

Treating seizures in newborns. Part of Program on Special Problems in Managing Critically Ill Newborns: Hypotension and Seizures. Presented at 44th Annual ASHP Midyear Clinical Meeting, Las Vegas, NV, Dec 9, 2009.

PDA closure strategies: the case for indomethacin and optimum dosing strategies. Presented to Pharmacists, Neonatologists and Nurse Practitioners in Wisconsin. Presented 11/13/09

2008

Richard Helms Award Lecture: Optimum use of TDM and PK-PD in NICU. Presented at the 17th Pediatric Pharmacy Conference and Annual Meeting for PPAG, Baltimore, MD, October 4, 2008.

Patent Ductus Arteriosus: Optimizing Pharmacotherapy. Presented at Neonatal Grand Rounds, Dell Children's Medical Center of Central Austin, Texas, August 14, 2008.

Treatment of Coagulopathies: Factor 7 and Antithrombin III. Presented at Neonatal Pharmacology Conference, Contemporary Forums, Boston, MA, June 19, 2008

Pharmacology of PDA Closure. Presented at Neonatal Pharmacology Conference, Contemporary Forums, Boston, MA, June 20, 2008

Use of clonidine for opioid abstinence in the newborn. Presented at Neonatal Pharmacology Conference, Contemporary Forums, Boston, MA, June 20, 2008

Patent Ductus Arteriosus Therapy: Indomethacin or Ibuprofen. Presented at PPAG Specialty Conference for Neonatal and Pediatric Critical Care, Peabody Hotel, Little Rock, Arkansas, April 25-27, 2008

Poster design/ publication/ presentation skills. Ask the expert roundtable. NCAP Acute Care Practice Forum in Concord, NC, February 4, 2008.

2007

Treatment of neonatal narcotic abstinence syndrome – relative merits of clonidine v other therapies. Discussion at PICU faculty/staff monthly meeting. Feb 15, 2007.

Disseminated intravascular coagulation: Diagnosis and management in neonates. Presented at Women's Hospital, March 15, 2007.

Disseminated intravascular coagulation: Diagnosis and management in pediatric ICU patients. Presented to PICU medical personnel at Moses Cone Hospital, March 1, 2007.

2006

Asthma Management During Pregnancy, Presented as Part of Program entitled "Focus on Ob/Gyn Issues for the Nurse Practitioner" in Greensboro, NC, May 19, 2006

Asthma update for pharmacists. Presented for Northwest AHEC CE program to Piedmont Pharmaceutical Association on Sept 21 in Winston-Salem, and to High Country Pharmaceutical Association on Sept 26 in Boone, NC.

Neonatal Pharmacotherapy: Application of pharmacokinetic and pharmacodynamic principles to challenge standards of practice. Presented as the Howard Q Ferguson Award Lecture at the University of North Carolina at Chapel Hill, April 17, 2006.

Building research into clinical practice, is it reasonable? Presented to faculty at Temple University, School of Pharmacy, Philadelphia, March 9, 2006.

Building research into clinical practice, is it reasonable? Presented to the Mid Atlantic College of Clinical Pharmacy, March 9, 2006.

2005

Fundamental principles of designing and conducting research. Presented at the American College of Clinical Pharmacy Annual Meeting, 10/24/2005 in San Francisco, CA.

Examining a research project from inception to completion: Pain due to neonatal eye exam-the value of topical anesthetics and sucrose. Presented at the American College of Clinical Pharmacy Annual Meeting, 10/24/2005 in San Francisco, CA.

Management of the opiate-dependent newborn: Is clonidine a reasonable therapy? Presented at the 40th Annual ASHP Midyear Clinical Meeting and Exhibition, 12/7/05 in Las Vegas, Nevada.

Management of the Infant or Child with Heparin-Induced Thrombocytopenia. Presented at the 40th Annual ASHP Midyear Clinical Meeting and Exhibition, 12/7/05 in Las Vegas, Nevada.

2004

Sedation and Analgesia in the Newborn Intensive Care Unit. Presented to Pharmacists at the Annual Meeting of the Pediatric Pharmacy Advocacy Group, 10/6/2004 in Tampa, FL

Should ventilated neonates receive continuous infusion narcotics prophylactically or receive bolus doses of narcotic as needed for documented pain? Presented to nurses, physicians and pharmacists at Women's Hospital on October 18 and 20, 2004

Pharmacokinetics and pharmacodynamics of drugs in obesity. Presented to Anesthesia Department, Women's Hospital of Greensboro, 07/21/04

Drug dosing considerations in obese children. Presented at Pediatric Grand Rounds, Moses Cone Hospital, 2/4/2004

2003

Prevention of chronic lung disease in neonates – the value of Vitamin A. Presented to the Pulmonary Committee at Women's Hospital of Greensboro, June 19, 2003

2002

Management of Patent Ductus Arteriosus in Preterm Infants. Presented at the Pediatric Pharmacy Advocacy Group Annual Meeting in Tampa, Florida, October 2002

Drug Therapy for Asthma: Update. Presented to NC access care Physician Providers in Greensboro, April 2002.

Newborn Circumcision: Prevention and management of pain. Presented at Pediatricians staff meeting, Highpoint Hospital, Highpoint, NC. 11/21/02

Management of Neonatal Pain. Presented to Anesthesia Staff meeting (0700); and Neonatal ICU staff (1400), Women's Hospital of Greensboro, Greensboro, NC. 12/18/02

2001

Diagnosis and Treatment of Acute and Chronic Lung Disease in Neonates. Presented at the 36th Annual ASHP Midyear Clinical Meeting, in New Orleans, La., December 5th, 2001.

Case examples for Asthma Management. Asthma Certificate Program 2001. Internet Presentation at www.gahec.org

Ventilator strategies in Neonates: HFOV vs. Conventional Ventilation and What CPAP should be used following extubation in neonates below 1500g. Presented to Neonatal ICU Physicians and staff. At NICU Pulmonary committee. 11/7/01

2001

“Pharmacotherapy and Pharmaceutical care for the Asthma Patient” presented at the Annual Winter Meeting, NCAP, in Greensboro NC, March 2, 2001.

2000

"Pharmacologic management of BPD" presented at Pediatric Grand Rounds, Moses Cone Hospital, 2/2/2000

Neonatal Certificate Program. Neonatal Infectious Disease (9 hours), Feb and March, 2000

"Collaborative practice between physicians and pharmacists" Presented to Pharmacists in Winston-Salem, March 9, 2000

"New advances in asthma and asthma case discussions" Presented to participants in the asthma certificate program, Feb 8, 2000 and April 11, 2000

1999

"Pharmacist Network Update" Moderator and Speaker (introduction – why do we need pharmacist networks?). Presented at the Annual NC Pharmacy Winter Meeting, Greensboro, NC, 2/12/99.

"Issues in drug selection and therapeutic drug monitoring in neonates and children", presented at "Peds-Talk '99, Wrightsville Beach, NC, October 15, 1999

Neonatal Certificate Program. 18 hours of lectures (3 hrs each) on General NICU issues (6 hours), and Neonatal Pulmonary Problems (12 hours)

1998

"Management of Apnea of Prematurity" presented at Current Topics in Pediatric Pharmacy Practice, sponsored by Pediatric Pharmacy Advocacy Group (PPAG), in Las Vegas, Nevada, Dec 6, 1998

"Chronic Lung Disease in Neonatal Intensive Care Unit Graduates: Focus on Therapy", Presented at the 33rd Annual ASHP Midyear Clinical Meeting, Las Vegas, Nevada, December 7, 1998

"What are the benefits to physicians of using pharmacists as physician extenders?", presented as a poster session at the Greater Greensboro Society of Medicine 51st Annual Medical Symposium, Greensboro, N.C. 4/28/98

"Workup and Assessment of the Asthma Patient", presented to Rockingham, Guilford, and Alamance Society of Pharmacists. April 5, 19, and 22, 1998.

"Controversies in therapeutic drug monitoring in newborns", presented at Pediatric Grand Rounds at UNC Hospital, Chapel Hill, N.C., 2/26/98.

"A primer on health economics and cardiovascular risk reduction" Presented at Preventive Cardiology: certificate training for pharmacists. Greensboro, N.C. Feb. 8, 1998

"Pharmaceutical care: will it work for my practice?" Presented at the Annual Winter Meeting of NCSHP, Greensboro, N.C. Feb 12, 1998

1997

"Outcomes of therapeutic interventions for asthma: clinical, quality of life, and pharmacoeconomic" Presented at the Asthma Certificate Program, Greensboro, NC 12/13/97.

"Economic justification of pharmaceutical care" presented at the American Society of Health-System Pharmacists Clinical Midyear Meeting, Atlanta, Ga. 12/10/1997

"Case management in asthma and allergies", Presented to Pharmacy societies in Guilford county, 9/14/97; Alamance county, 9/24/97; Rockingham county, 10/19/97.

"Issues in Therapeutic Drug Monitoring" presented to Family Practice Teaching Service, noon conference, Dec 3, 1997

"Pediatric problems in pharmacy practice", Wilkes Regional Medical Center, 9/28/97.

"Pharmaceutical Care Outcomes Are Cost Effective", Presented as part of the program entitled Pharmaceutical Care: A Closer Look. in RTP, N.C. May 16, 1997.

1996

"Managed Care: Impact on Pharmacy Practice and Education", Presented to Pharmacy Practice Faculty at the University of North Carolina, School of Pharmacy, May 17.

"Geriatric Pharmacology", Presented at noon conference at The Moses H. Cone Health System Family Practice Center, February 16.

"Kindness and caring: good medicine and cost-effective." Award Lecture, NCSHP, Presented at February meeting of NCSHP in Greensboro, NC.

"Selling pharmacy services to managed care: what do we have to offer?" - Greensboro AHEC CE program ACPE No.046-999-96-014-L04 presented at Alamance Regional Medical Center, Burlington, NC April 24; Eden, NC May 19; Asheville, NC October 17; Greensboro, NC November 10.

1995

Program "Developmental Effects of Prenatal Drug Exposure, February 22, 1995.

Prophylaxis of IVH in preterm infants: meta-analysis of indomethacin and phenobarbital trials. Presented at Pediatric PRN Session, ACCP, Washington, D.C., 1995.

"Anticoagulation", presented at the Noon Conference, Family Practice Center, Greensboro, NC, June 2, 1995.

"Evaluation of a sparse sampling strategy for estimating vancomycin pharmacokinetics (PKs) in preterm neonates using optimal sampling theory (OST)". Presented at the 1995 Annual Meeting of the American College of Clinical Pharmacy, Washington, DC, August 6-9, 1995.

"Meta-analysis of phenobarbital and indomethacin use for prophylaxis of intraventricular hemorrhage in neonates." Presented at Pediatric PRN session, at the 1995 annual meeting of the American College of Clinical Pharmacy, Washington, DC, August 6-9, 1995.

"Impact of unbound drug and active metabolite on the bioequivalence of brand name (tegretol) versus generic (epitol) carbamazepine". Presented at the 1995 Annual Meeting of the American College of Clinical Pharmacy, Washington, DC, August 6-9, 1995.

"A comparison of gentamicin clearance in neonate twins", presented at the 1995 Annual Meeting of the American College of Clinical Pharmacy, Washington, DC, August 6-9, 1995.

"Indomethacin dose-response and concentration-response in neonates with patent ductus arteriosus", presented at the 1995 Annual Meeting of the American College of Clinical Pharmacy, Washington, DC, August 6-9, 1995.

1994

"Cost effective, clinically appropriate therapeutic drug monitoring of epileptic children," presented at the 1994 ASHP Midyear Clinical Meeting, Orlando, FL, December 1994.

"Therapeutic drug monitoring: new concepts and issues," presented at the North Carolina Society for Clinical Laboratory Science meeting, Joseph S. Koury Convention Center, October 6, 1994.

"Pharmacokinetics and therapeutic drug monitoring in neonates and pediatrics," presented at the Mid-Atlantic Pediatric Pharmacotherapy Specialists meeting, Norfolk, VA, September 23, 1994.

"Considerations in generic drug use," presented to multidisciplinary health care professionals, High Point, NC, May 17, 1994.

"Kinetics in neonates and children, presented to Pharm.D. students, The University of NC at Chapel Hill, April 19, 1994.

"Therapeutic problems in neonatology," presented to Pharm.D. students, The University of NC at Chapel Hill, April 19, 1994.

"Apnea monitoring in the newborn," presented to the NICU staff, The Women's Hospital of Greensboro, Greensboro, NC, March 23, 1994.

"Concepts in clinical pharmacology," presented to the Chemistry Club, Guilford College, Greensboro, NC, March 21, 1994.

"Otitis media in infants and children," presented at the noon conference, Family Practice Center, The Moses H. Cone Memorial Hospital, Greensboro, NC,

1993

"Asthma therapy," presented at noon conference, Family Practice Center, Greensboro, NC, October 29, 1993.

"Management of pain in children—office and emergency room considerations," presented at pediatric staff conference, Wesley Long Hospital Services, Greensboro, NC, September 10, 1993.

"Considerations in generic drug use," presented to Pharmacists, Greensboro, NC, October 10, 1993
 Pharmacists, Burlington, NC, September 22, 1993
 Pharmacists, Eden, NC, September 19, 1993
 Pharmacists, Concord, NC, May 12, 1993.
 Pharmacists, Gastonia, NC, April 13, 1993.

"Pharmacokinetics and pharmacodynamics," presented at noon conference, Family Practice Center, Greensboro, NC, July 16, 1993.

"Drug therapy for BPD," presented at a multidisciplinary conference, Greensboro, NC, May 20, 1993.

"Kinetics in neonates and children, presented to Pharm.D. students, The University of NC at Chapel Hill, April 14, 1993.

"RSV: the role of ribavirin," presented at Pharmacy Department staff meeting, The Moses H. Cone Memorial Hospital, Greensboro, NC, January 27, 1993.

"Fetal drug effects," presented at Pharmacy Department staff meeting, The Women's Hospital of Greensboro, NC, January 20, 1993.

1992

"Risk/benefit curves: an alternative to therapeutic ranges," clinical pearl presented at the 27th Annual ASHP Midyear Clinical Meeting, Orlando, FL, December 6-10, 1992.

"Fetal drug effects: clinical considerations," presented at the 27th Annual ASHP Midyear Clinical Meeting, Orlando, FL, December 6-10, 1992.

"Pharmacotherapy service opportunities in neonatal intensive care and ambulatory medicine," presented at the Second Annual Pharmacy Symposium on Clinical Services, St. Louis College of Pharmacy, St. Louis, MO, October 14, 1992.

"Heparin," presented at pharmacy staff meeting, The Moses H. Cone Memorial Hospital, Greensboro, NC, August 26, 1992.

"Bedside pharmacodynamic/pharmacokinetic applications: is it practical?," presented at the Thirteenth Annual Meeting of the American College of Clinical Pharmacy, Toronto, Canada, August 12, 1992.

"Clinical applications of pharmacodynamics," presented at pharmacy in-service meeting, The Women's Hospital of Greensboro, NC, July 22, 1992.

"Research methodology," presented to pharmacy residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 14, 1992.

"Anticoagulation," presented at noon conference, Family Practice Center, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 13, 1992.

"Issues in heparin therapy: monitoring and treatment," presented to pharmacists and nurses, The Women's Hospital of Greensboro, NC, June 10, 1992.

"Kinetics in neonates and children, presented to Pharm.D. students, The University of NC at Chapel Hill, April 9, 1992.

"Therapeutic problems in neonatology," presented to Pharm.D. students, The University of NC at Chapel Hill, April 9, 1992.

"Drugs requiring unusual drug assays and monitoring," presented to lab personnel, The Women's Hospital of Greensboro, NC, February 18, 1992.

"Generic drugs," presented to nurses at the Family Practice Center, The Moses H. Cone Memorial Hospital, Greensboro, NC, February 17, 1992.

"Apnea treatment in neonates," presented to staff pharmacists, The Women's Hospital of Greensboro, NC, February 16, 1992.

"Generic drugs: problems and issues," presented at Noon Conference, the Family Practice Center, The Moses H. Cone Memorial Hospital, Greensboro, NC, January 31, 1992.

1991

"Drug therapy in pediatrics: problems and issues," presented at Pediatric Grand Rounds conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, December 4, 1991.

"Drug therapy of attention deficit disorders," presented at the Learning Disabilities Association of NC Annual State Conference, Four Seasons Convention Center, Greensboro, NC, October 4, 1991.

"Clinical use of aerosol delivery systems," presented to Greensboro AHEC pharmacists, The Moses H. Cone Memorial Hospital, Greensboro, NC, September 10, 1991.

"Relationship of vancomycin concentrations to clinical response in neonates," presented at the Twelfth Annual Meeting of the American College of Clinical Pharmacy, Minneapolis, Minnesota, August 18-21, 1991.

"Heparin pharmacodynamics in premature infants," presented at the Twelfth Annual Meeting of the American College of Clinical Pharmacy, Minneapolis, Minnesota, August 18-21, 1991.

"Drug therapy of hyper reactive airway disease," presented at the NC Public Health Association workshop, Greensboro, NC, July 27, 1991.

"A method for encouraging health professionals to demonstrate the use of metered dose inhalers," presented at the AHEC National Workshop, Charleston, SC, July 3-6, 1991.

"Antiepileptic drugs: problems and issues," presented to the Epilepsy Association of Greater Greensboro, Greensboro, NC, May 16, 1991.

"Indomethacin for closure of patent ductus arteriosus," presented at Pharm.D. seminar, School of Pharmacy, State University of New York at Buffalo, April 18, 1991.

"Apnea of prematurity, seizures, and PDA," presented to the pharmacy students, School of Pharmacy, State University of New York at Buffalo, April 17, 1991.

"Common neonatal problems seen in a neonatal intensive care nursery," presented to Pharm.D. students at the School of Pharmacy, The University of NC at Chapel Hill, April 4, 1991.

"Pharmacokinetic considerations in neonates and children," presented to Pharm.D. students at the School of Pharmacy, The University of NC at Chapel Hill, April 4, 1991.

"Asthma therapy," presented at the Pediatric Noon Conference, The Moses H. Cone Memorial Hospital, March 7, 1991.

"Fentanyl therapy in neonates guided by neonatal sedation scores," presented to the Neonatal Nurse Practitioners at The Women's Hospital of Greensboro, NC, January 29 and January 31, 1991.

1990

"New directions in asthma therapy," presented to the Guilford County Society of Pharmacists, Greensboro, NC, September 9, 1990.

"Impact of concurrent furosemide on indomethacin pharmacodynamics re: efficacy for PDA closure and renal toxicity," presented at the Eleventh Annual Meeting of the American College of Clinical Pharmacy, San Francisco, August 5-8, 1990.

"The impact of changing ventilator parameters on availability of nebulized drugs in an in vitro neonatal lung model," presented at the Eleventh Annual Meeting of the American College of Clinical Pharmacy, San Francisco, August 5-8, 1990.

"Anti-inflammatory therapy in bronchial asthma," presented to the Medical Staff at Pediatric Grand Rounds, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 11, 1990.

"Therapeutic drug monitoring," presented to Medical Technicians at Winston-Salem State University, Winston-Salem, NC, April 30, 1990.

"New directions in asthma therapy," presented to the Alamance County Pharmaceutical Society, Burlington, NC, April 25, 1990.

"Osteoporosis: prevention and treatment," presented to pharmacists in Hickory, April 22, 1990.

"Theophylline in neonates," presented to the Triad Chapter of the National Association of Neonatal Nurses, Greensboro, March 21, 1990.

"New directions in asthma therapy," presented to the Rockingham Society of Pharmacists, Eden Public Library, Eden, NC, March 18, 1990.

"Osteoporosis: prevention and treatment," presented to pharmacists in Salisbury, March 14, 1990.

"Attention deficit disorder," presented to the Greensboro Chapter of Parents of ADD Children, March 11, 1990.

"Indomethacin pharmacodynamics in neonates," presented at a Faculty Research Seminar, School of Pharmacy, University of NC, Chapel Hill, March 9, 1990.

"Anticoagulant therapy management for hospital pharmacists -- a mini fellowship," two-day workshop presented in conjunction with The Pharmacy Department, The Moses H. Cone Memorial Hospital, for Wisconsin pharmacists, Greensboro, March 5 and 6, 1990.

"Therapeutic drug monitoring -- what do the numbers mean?," presented at the 21st Annual Professional Practice Conference of the Canadian Society of Hospital Pharmacists, Toronto, Ontario, Canada, January 31, 1990.

"Therapy of deep vein thrombosis and pulmonary embolus," presented to Medical Residents at The Moses H. Cone Memorial Hospital, Greensboro, January 15, 1990.

1989

"Pharmacokinetics, pharmacodynamics, and development considerations in neonatal and pediatric patients," presented at the Pharmacokinetics Conference, Madison, Wisconsin, October 20, 1989.

"Indomethacin disposition in neonates -- the impact of patent ductus arteriosus (PDA) closure". Gal P, Ransom JL, Weaver RL, Schall SA, Brown Y. Presented at the Tenth Annual Meeting of the American College of Clinical Pharmacy, Kansas City, Missouri, August 6-9, 1989.

"The need for gentamicin loading doses in neonates". Gal P, Weaver RL, Ransom JL. Presented at the Tenth Annual Meeting of the American College of Clinical Pharmacy, Kansas City, Missouri, August 6-9, 1989.

"Therapeutic drug monitoring in the newborn intensive care unit," presented as a Roundtable Discussion, American College of Clinical Pharmacy Tenth Annual Meeting, Kansas City, Missouri, August 6-9, 1989.

"Fetal drug effects," presented at the Family Medicine Noon Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 14, 1989.

"The influences of today's diseases on tomorrow's child," presented at the Prevention of Disabilities Conference, Raleigh, NC, June 13, 1989.

"Should we continue to use therapeutic ranges?," presented at the NC-Triangle College of Clinical Pharmacy meeting, Durham, NC, May 17, 1989.

"Pharmacodynamics in patient care: research in clinical applications," presented at the Annual Winter Meeting of The UNC School of Pharmacy and NC Society of Hospital Pharmacists, High Point, NC, February 2, 1989.

1988

"Pediatric considerations in anticonvulsant therapy," presented at the Advances in Anticonvulsant Therapy forum for the Northwest Area Health Education Center, Bowman Gray School of Medicine, November 18, 1988.

"Drugs in pregnancy," presented at the First Annual Wilson Memorial Hospital Pharmacy Symposium, Wilson, NC, November 2, 1988.

"Indomethacin - monitoring serum concentrations," presented at the Southeastern Regional Conference on Neonatal Pharmacology, Pinehurst, NC, October 29 and 30, 1988.

"Therapeutics endpoints in neonatal medicine: the role of therapeutic drug monitoring," presented to Staff Pharmacists at The Moses H. Cone Memorial Hospital, October 26, 1988.

"Therapeutic endpoints in neonatal medicine: the role of therapeutic drug monitoring," presented at The Hospital for Sick Children, Pediatrics for Pharmacists meeting in Toronto, Canada, September 30, 1988.

"Therapeutic drug monitoring," presented to the Pediatric Residents at The Moses H. Cone Memorial Hospital, Greensboro, NC, September 14, 1988.

"Inhaled bronchodilators," presented at Pediatric Grand Rounds, The Moses H. Cone Memorial Hospital, September 12, 1988.

"Innovative clinical practice forum: pediatrics/neonatology," presented at the Ninth Annual American College of Clinical Pharmacy Meeting, Philadelphia, Pennsylvania, July 27, 1988.

"Indomethacin serum concentrations -- relationship to closure of patent ductus arteriosus in neonates," presented at the Ninth Annual American College of Clinical Pharmacy Meeting, Philadelphia, Pennsylvania, July 26, 1988.

"Variability of indomethacin dosing requirements in neonates," presented at the Eight Annual Meeting of the American College of Clinical Pharmacy, July 19, 1987.

"Review of neonatal drug protocols," presented to Pharmacy Staff, The Moses H. Cone Memorial Hospital, Greensboro, NC, May 23, 1988.

"Vancomycin use in neonates," presented to the Neonatal Intensive Care Nurses at The Moses H. Cone Memorial Hospital, Greensboro, NC, May 2, 1988.

"Drugs in pregnancy," presented to The Forsyth County Society of Pharmacists in Winston-Salem, NC, May 1, 1988.

"Indocin for closure of PDA in neonates," presented to the Neonatal Intensive Care Nurses at The Moses H. Cone Memorial Hospital, Greensboro, NC, February 18, 1988.

"Theophylline use in newborns," presented to the Neonatal Intensive Care Nurses at The Moses H. Cone Memorial Hospital, Greensboro, NC, January 28, 1988.

1987

"Treatment of neonatal seizures," presented to NICU Nurses at The Moses H. Cone Memorial Hospital, Greensboro, NC, November 23, 1987.

"Basic principles of therapeutic drug monitoring," presented to NICU Nurses at The Moses H. Cone Memorial Hospital, Greensboro, NC, November 23, 1987.

"Osteoporosis: prevention and treatment," presented to the Rockingham Society of Pharmacists at Eden, NC, November 15, 1987.

"Osteoporosis: prevention and treatment," presented to the Alamance County Pharmaceutical Society, Burlington, NC, October 28, 1987.

"Fetal drug effects -- concerns with pregnancy," presented at the 5th Annual NC Conference on Epilepsy, October 14, 1987.

"Drug side effects and interactions with other medications," presented at the 5th Annual NC Conference on Epilepsy, October 14, 1987.

"Osteoporosis: prevention and treatment," presented to Greensboro Area Health Education Center, The Moses H. Cone Memorial Hospital, October 13, 1987.

"Inhaled bronchodilator therapy for treatment of asthma," presented to the Medical Staff at Morehead Hospital, Eden, NC, October 7, 1987.

"Are vancomycin serum concentrations useful" , The Adult Clinical Pharmacy Special Interest Group's Pearls Session presented at the 21st Hospital and 13th Clinical Annual Carolina Fall Seminar, October 7, 1987.

"Drug effects in the fetus and newborn," presented to the Lincoln County Pharmaceutical Association, September 20, 1987.

"Drugs in pregnancy," presented as a Continuing Education Program for Northwest Area Health Education Center in Salisbury, NC, September 11, 1987.

"Systematic collection and possible applications of routine serum drug levels," presented at the 44th Annual Meeting ASHP, May 1987.

1986

"Valproic acid efficacy, toxicity, and pharmacokinetics in neonates with intractable seizures," presented at the Seventh Annual Meeting for the American College of Clinical Pharmacy, July 28-31, 1986. *Drug Intelligence and Clinical Pharmacy* 1986; 20: 452.

"Phenobarbital for treating neonatal seizures -- relationships of plasma concentrations and response," presented at the Seventh Annual Meeting for the American College of Clinical Pharmacy, July 28-31, 1986. *Drug Intelligence and Clinical Pharmacy* 1986; 20: 453.

"New drugs in asthma," presented at the Medical Conference at The Moses H. Cone Memorial Hospital, Greensboro, NC, April 28, 1986.

"Apnea of prematurity," presented at the Pediatric Noon Conference at The Moses H. Cone Memorial Hospital, Greensboro, NC, April 10, 1986.

"Proper use of inhaled medications for asthma," presented to Nurse Practitioners at The Public Health Department, Guilford County, Greensboro, NC.

"Behavioral teratogenesis," presented to Mental Health Workers from Western Carolina Center, January 22, 1986.

1985

"When should anticonvulsants be discontinued?," presented at the Pediatric Noon Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, December 12, 1985.

"Fetal drug effects," presented at the Pharmacy Continuing Education Program at Wake AHEC, November 12, 1985.

"Review of sedatives/hypnotics," presented at the Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, November 11, 1985.

"Cromolyn sodium," presented at the Pediatric Noon Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, September 12, 1985.

"The placebo effect," presented at the Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, April 22, 1985.

"Fetal teratogenesis," presented at Public Health Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, March 15, 1985.

"Anticonvulsants," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, March 11, 1985.

"Clinical use of cromolyn sodium," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, February 25, 1985.

"Fetal drug effects," presented to Pharmacists in the Area L AHEC, February 14, 1985.

"Theophylline," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, February 4, 1985.

"Fetal alcohol effects," presented at Medical Grand Rounds, Randolph Hospital, Asheboro, NC, January 28, 1985.

"Management of acute asthma," presented at Pediatric Grand Rounds, The Moses H. Cone Memorial Hospital, Greensboro, NC, January 9, 1985.

1984

"Beta-2 bronchodilators," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, December 10, 1984.

"Adverse drug reactions," presented to the Medical Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, November 26, 1984.

"Neonatal seizures," presented to Nursing Personnel, The Moses H. Cone Memorial Hospital, Greensboro, NC, October 24, 1984.

"Asthma medications," presented to the lay public through the Greensboro Lung Association, September 17, 1984.

"Therapeutic end points," presented to Internal Medicine Service, The Moses H. Cone Memorial Hospital, Greensboro, NC, August 15, 1984.

"Fetal drug effects," presented to Nursing Personnel, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 31, 1984.

"Theophylline for the treatment of apnea in neonates," presented to Respiratory Therapists, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 24, 1984.

"Fetal drug effects, presented to Nursing Personnel, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 17, 1984.

"Treatment of neonatal seizures," presented to the Department of Pediatrics and Neurology, University Hospital, Jacksonville, Florida, July 2, 1984.

"Anticonvulsant therapy following neonatal seizures -- how long should it be continued?," presented at the Fifth Annual Meeting, American College of Clinical Pharmacy, San Diego, California, June 26-29, 1984. Gal P, Sharpless MK, Boer HR. Drug Intelligence and Clinical Pharmacy 1984; 18: 491.

1983

"Epilepsy," presented to Northwest AHEC Pharmacists, April 27 and 28, 1983.

"Phenytoin and carbamazepine serum protein binding in a geriatric patient population," presented as a poster session at the meeting "Clinical implications of protein binding," Washington, D.C., August 6, 1983.

"Asphyxia lowers phenobarbital dosing requirements in newborns," presented at the 4th Annual Meeting American College of Clinical Pharmacy, Washington, D.C., July 10-13, 1983.

"Therapeutic drug monitoring in the intensive care nursery," presented at the 2nd Annual Southwest Pharmacy and Clinical Pharmacy Conference, February 13, 1983.

"Angina therapy," presented to Rockingham Society of Pharmacists, Eden, NC, January 16, 1983.

"Fetal alcohol syndrome," presented to Family Medicine Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, January 13, 1983.

1982

"Management aspects of neonatal seizures," presented at the Faculty Seminar on AHEC Research and Education, University of NC at Chapel Hill School of Pharmacy, Chapel Hill, NC, October 28, 1982.

"Therapeutic drug monitoring and pharmacokinetics," presented at Pediatric Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, October 19, 1982.

"Bronchodilator therapy," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, September 13, 1982.

"Anticonvulsants," presented at the Conference on Practical Application of Pharmacokinetic Concepts:
Charlotte, NC - August 31, 1982
Greensboro, NC - September 1, 1982
Greenville, NC - September 2, 1982

"Prevention of post-menopausal osteoporosis," presented to Family Medicine Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, June 1982.

"Relationship of phenobarbital plasma concentrations to effective seizure control in neonates," presented at the 3rd Annual Meeting of the American College of Clinical Pharmacy, Kansas City, Missouri, June 24-26, 1982.

"New treatments of angina," presented to Family Medicine Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, May 1982.

"Fetal and neonatal drug exposure as a risk factor for preschool children," presented at a symposium on "The preschool special child: early identification, assessment, and management," University of NC Division of Physical Therapy, Chapel Hill, May 21-24, 1982.

"Implementing a pharmacokinetic monitoring service in a community hospital," presented at the conference: "Pharmacokinetic concepts for the 80's," University of NC School of Pharmacy, Chapel Hill, NC, May 20, 1982.

"Effects of drugs on the newborn," presented at the 3rd Annual Perinatal Care Conference, Greensboro, NC, May 12-14, 1982.

"Prevention and treatment of osteoporosis," presented to Family Medicine Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, April 1982.

"New treatments for angina," presented to the Family Medicine Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, March 3 and April 4, 1982.

"Therapeutic drug monitoring," presented at the Medical Technology Radioimmunoassay Course, The Moses H. Cone Memorial Hospital, Greensboro, NC, January 1982.

1981

"Antiepileptic drugs" lecture videotaped as a part of the Nursing Pharmacology Series produced by the Greensboro AHEC, Greensboro, NC, November 1981.

"Drug effects on the fetus and newborn," presented at the Division of Disorders of Development and Learning, University of NC, Chapel Hill, NC, October 21, 1981.

"Drug effects on the fetus and newborn," presented as a continuing education program for pharmacists in the Northwest Region of NC:

Catawba Memorial Hospital, Hickory, September 27, 1981

Watauga County Hospital, Boone, October 7, 1981

Rowan Memorial Hospital, Salisbury, October 14, 1981

"Bronchodilator therapy," presented to Family Medicine Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, August 31, 1981.

"Methenamine use and management of UTI's in patients with catheters," presented to Family Medicine Residents, The Moses H. Cone Memorial Hospital, Greensboro, NC, August 18, 1981.

"Interpreting laboratory values," presented at Clinical Pharmacy meeting, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 31, 1981.

"Drug effects on the fetus and newborn," presented at a two-day symposium on "Prevention of mental retardation," Burlington, NC, July 23, 1981.

"Anticoagulant therapy," presented to Family Medicine Residents, The Moses H. Cone Memorial Hospital, The Moses H. Cone Memorial Hospital, Greensboro, NC, July 21, 1981.

"Therapeutic drug monitoring," presented to Medical Technologists at The Moses H. Cone Memorial Hospital, Greensboro, NC, July 16, 1981.

1980

"Prediction of digoxin dose requirements," presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

"Presentation of Stevens-Johnson syndrome due to anticonvulsant therapy in a neonate: first reported case," presented at the 15th Annual ASHP Midyear Clinical Meeting, San Francisco, California, December 7-11, 1980.

"Therapeutic drug monitoring of anticonvulsants," presented at the 14th Annual Carolina Pharmacy Seminar, Raleigh, NC, November 6-8, 1980.

"Adverse drug reactions," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, October 13, 1990.

Presented as Continuing Education Programs for Nursing and Pharmacy Personnel in the Greensboro AHEC Region, Fall 1980:

"Adverse drug reactions: epidemiology and detection"

"Drug effects on the fetus and newborn"

"Drug-induced neurologic disorders"

"Drug-induced liver disease"

"Drug-induced pulmonary disease"

"Apnea-bradycardia," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, May, 1980.

"Neonatal pharmacology," presented at the annual Perinatal Care Lecture "Perinatal care and the community hospital in the 1980's" Greensboro, NC, March 28, 1980.

"Pharmacokinetics and therapeutic drug monitoring," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, January 7, 1980.

1979

"Pharmacist's involvement in a neonatal intensive care unit," presented at the American Society of Hospital Pharmacists Midyear Clinical Meeting, Las Vegas, Nevada, December 2-6, 1979.

"Pharmacologic management of patent ductus arteriosus," presented to Neonatal Intensive Care Unit Nurses, The Moses H. Cone Memorial Hospital, Greensboro, NC, November 28, 1979.

"Apnea-bradycardia," presented to Neonatal Intensive Care Unit Nurses, The Moses H. Cone Memorial Hospital, Greensboro, NC, Greensboro, NC, November 21, 1979.

"Single dose antibiotic therapy for urinary tract infections," presented at Pediatric Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, November 28, 1979.

"Drug therapy of seizures in neonates," presented to Neonatal Intensive Care Unit Nurses, The Moses H. Cone Memorial Hospital, Greensboro, NC, November 14, 1979.

"Aminoglycoside review," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, November 26, 1979.

"Insulin resistance and allergy," presented to pharmacists and medical students of The Moses H. Cone Memorial Hospital, Greensboro, NC, October 30, 1979.

"Theophylline: guidelines to rational dosing and use," presented at Medical Conference, The Moses H. Cone Memorial Hospital, Greensboro, NC, October 17, 1979 and August 12, 1980.

"Proposal for pharmacokinetic consultation service," presented to the Pharmacy and Therapeutics Committee, The Moses H. Cone Memorial Hospital, Greensboro, NC, September 19, 1979.

"Asthma," presented to the Guilford County Pharmaceutical Association, September 13, 1979.

"Procainamide," presented to the Pharmacy Department, The Moses H. Cone Memorial Hospital, Greensboro, NC, August 8, 1979.

"Aminoglycosides," presented to the Pharmacy Department, The Moses H. Cone Memorial Hospital, Greensboro, NC, August 1, 1979.

"Drug effects on the fetus and newborn," presented to Respiratory Therapists at the GA Baptist Center, sponsored by GA State University and GA Baptist Medical Center, June 8, 1979.

"Drugs and the kidney," presented at the 2nd Annual Nurses' Seminar, GA Baptist Medical Center, March 21, 1979.

"Effect of hemodialysis and renal failure on drugs," presented to Intensive Care Unit Nurses, GA Baptist Medical Center, January 1979.

1978

"Theophylline," presented at Pulmonary Conference at Emory University, November 1978.

"The Aminoglycosides," presented at Medical Conference, GA Baptist Medical Center, October 1978.

"Fundamentals of antibiotic therapy," presented as a continuing education series, Mercer University School of Pharmacy, Atlanta, GA, September 27, October 11 and 24, November 8 and 22, 1978.

"Drugs in respiratory disease," presented at the 1st Annual Nurses' Seminar, GA Baptist Medical Center, March 22, 1978.

"Drug-induced liver diseases," presented at a Hospital Pharmacy Forum on Recognition and Management of Adverse Drug Reactions, Atlanta, GA, sponsored by a grant from Schering Corporation, February 23, 1978.

1977

"Theophylline," presented at Medical Conference, GA Baptist Medical Center, December 1977.

"The Aminoglycosides -- an update," presented at a faculty seminar, Mercer University School of Pharmacy, Atlanta, GA, October 29, 1977.

Research Projects Precepted:

2013

- Clonidine efficacy and toxicity in neonates treated for narcotic abstinence-relationship to dose. – Kira Letvak, UNC PY3 Pharm.D. student.
- Effect of asphyxia and total body cooling on gentamicin pharmacokinetics in neonates. – Monique Conway, UNC PY3 Pharm.D. student honors project.

2012

- Indomethacin dose relationship to rate of ROP in neonates treated for PDA – Hugh Giovanazzo and Peter Gal. Poster presented at ASHP Midyear, December 2012.
- Dexmedetomidine for sedation of neonates having MRI – efficacy and toxicity. – Bethany Lazear and Peter Gal. Poster presented at ASHP Midyear, December 2012

2011

- Survey of Pharmacist Attitudes and Roles in Care of Neonatal Narcotic Abstinence Syndrome in NICU – Mei Bell Pharm.D. and Peter Gal Pharm.D. Presented as Poster at ASHP Midyear, December 2011 (CSP Project in 2010).
- Evaluation of Vancomycin Dosing in Neonates 33 to 38 weeks Post-menstrual Age. Ji Yeon Lee, PharmD Candidate, Peter Gal, PharmD, BCPS, FCCP, FASHP, Tiffany Wilson, PharmD, John Wimmer, MD, J Laurence Ransom, MD. Presented as Poster at ASHP Midyear, December 2011
- Predictors of Post-Graduate Year 1 (PGY-1) Residency Match Rates Based on Pharmacy School Match Data from 2008 to 2010 Jacob Morton, Pete Koval, Peter Gal. Presented as Poster at ASHP Midyear, December 2011
- SURVEY OF PHARMACISTS ON PHOTOPROTECTION OF NEONATAL TOTAL PARENTERAL NUTRITION – Jeannie Hong (UNC-PY4 CSP); presented as poster at ASHP Midyear, December 2010 and NCAP 2011
- Neonatal neutropenia association with erythropoietin therapy – Tiffany Wilson (UNC-PY4 CSP); platform presentation at NCAP 2011
- Probiotic benefits in neonates – Chelsea Hunter, Neonatal Pharmacotherapy Resident, Presented as poster at ASHP 2011
- Vancomycin ototoxicity risk in neonates treated with vancomycin: a DUE – Laura Broome, Moses Cone Pharmacy Resident, 2011.

2010

- Dexmedetomidine versus standard therapy for sedation in mechanically-ventilated premature neonates. JPPT 2010;15:219-220. Keliana O'Mara, Pharm.D, Neonatal Pharmacotherapy Fellow. Presented at 19th Annual Meeting for PPAG, October 18, 2010. Poster selected as Outstanding Original Paper.
- A REVISION OF VANCOMYCIN DOSING STRATEGIES IN NEONATES. Heather Ann Wier, Moses Cone Pharmacy Resident. Poster presented at ASHP 2009 and platform presentation at SERC 2010.
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2009

- Safety Profile of Oseltamivir Given as Prophylaxis to Neonates Exposed to H1N1 influenza. Keliana O'Mara, PharmD, BCPS, Neonatal Pharmacotherapy Fellow. Poster Presentation at 44th Annual ASHP Midyear Clinical Meeting, Las Vegas, NV, Dec 7, 2009.
- Dexmedetomidine use in ventilated patients in a neonatal intensive care unit. Michael L. Hurtik, UNC-PY4 CSP. Poster Presentation at 44th Annual ASHP Midyear Clinical Meeting, Las Vegas, NV, Dec 7, 2009; platform presentation at NCAP 2010

- A revision of vancomycin dosing strategies in neonates. Heather Ann Wier, Pharm.D., Moses Cone Hospital Pharmacy Resident. Poster, Presented at 44th Annual ASHP Midyear Clinical Meeting, Las Vegas, NV, Dec 9, 2009.
- A comparison of gentamicin dosing strategies in neonates \leq 29 weeks gestation. Keliana O'Mara, PharmD, Neonatal Pharmacotherapy Fellow. Poster Presentation at the International Symposium for Pediatric Pharmacology and Therapeutics, Sponsored by ACCP-ESCP-PPAG, April 25, 2009.

Active or unpublished/unpresented research projects:

1. Survey of Pediatric Pharmacists regarding "Current practices and opinions about the assessment and management of neonatal narcotic abstinence". PY4 CSP student project for Mei Bell, completed Dec, 2010
2. Survey of pharmacist current practices and attitudes regarding "Protection of Neonatal TPN Solutions from Exposure to Light". PY4 CSP student project for Jeannie Hong, completed Dec, 2010
3. "Vancomycin pharmacokinetics and reliability of current dosing guidelines in late preterm neonates". PY4 CSP student project for Ji Lee, Completed May, 2011.
4. "Hearing loss on BAER in neonates treated with higher dose vancomycin-retrospective review". Resident MUE for Laura Broom, completed May 2011.
5. Effectiveness of ATIII dosing for DIC in neonates to achieve target concentrations. Resident MUE for Keliana O'Mara, completed 2008.

REFERENCES:

1. J Laurence Ransom MD, former Medical Director of Neonatal Intensive Care Women's Hospital of Greenboro (1983-2008), retired 2013.
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3. Robert Dupuis, PharmD, BCPS. Clinical Professor and Director of Clinical Fellowship Programs, Department of Pharmacotherapy and Experimental Therapeutics, UNC Eshelman School of Pharmacy, CB#7355, Chapel Hill, NC 27599-7355
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