

S. Rutherford Rose, PharmD
CURRICULUM VITAE

CURRENT POSITION

Professor and Chair
Section of Clinical Toxicology
Department of Emergency Medicine
School of Medicine
Director, Virginia Poison Center
VCU Medical Center
Virginia Commonwealth University
Richmond, Virginia

PERSONAL INFORMATION

Office address: Virginia Poison Center
P.O. Box 980522
Richmond, VA 23298-0522
(804) 828-4780 Fax: (804) 828-5291
rose1@mcvh-vcu.edu

Delivery address: Virginia Poison Center
600 E. Broad Street Suite 640
Richmond, VA 23219

Born: Richmond, VA
Married with children

LICENSURE and CERTIFICATION

- 1983 Pharmacy license, Commonwealth of Virginia (# 0202006913)
- 1990 Diplomate, American Board of Applied Toxicology
Recertified: 1995, 2000, 2005
- 2004 Advanced Haz-Mat Life Support, American Academy of Clinical Toxicology
Provider and Instructor
- 2004 Disaster Life Support, American Medical Association
Basic, Advanced and Instructor

EDUCATION

- 1986 Doctor of Pharmacy, Philadelphia College of Pharmacy & Science
Philadelphia, Pennsylvania
- 1983 Bachelor of Science in Pharmacy (Cum Laude)
Medical College of Virginia
Virginia Commonwealth University
Richmond, VA
- 1978 Bachelor of Arts, University of Virginia
Charlottesville, VA

POSTDOCTORAL TRAINING

- 1986 – 1988 Fellowship in Clinical Toxicology, Maryland Poison Center
University of Maryland, Baltimore, MD

ACADEMIC APPOINTMENTS

- | | |
|----------------|---|
| 2007 – date | Professor |
| 1997 – 2007 | Associate Professor
Department of Emergency Medicine
School of Medicine
Virginia Commonwealth University |
| 1997 – present | Affiliate Associate Professor
Department of Pharmacy
School of Pharmacy
Virginia Commonwealth University |
| 1996 – 1997 | Clinical Associate Professor
Department of Emergency Medicine
School of Medicine
University of North Carolina at Chapel Hill |
| 1993 – 1996 | Clinical Assistant Professor
Department of Emergency Medicine
School of Medicine
University of North Carolina at Chapel Hill |
| 1993 – 1997 | Clinical Assistant Professor
Division of Pharmacy Practice
School of Pharmacy
University of North Carolina at Chapel Hill |

1990 – 1991 Courtesy Clinical Assistant Professor
 Division of Emergency Medicine
 Department of Surgery
 University of Florida College of Medicine
 Jacksonville, FL

HOSPITAL APPOINTMENTS

1998 - present Affiliate Medical Staff
 Medical College of Virginia Hospitals
 VCU Health System

PREVIOUS POSITIONS

1991 - 1997 Director, Carolinas Poison Center
 Carolinas Medical Center, Charlotte, NC

1988 - 1991 Division Head, Clinical Toxicology
 Department of Pharmacy
 University of Florida Health Science Center
 Jacksonville, Florida

1986 - 1988 Clinical Pharmacist (part-time)
 The Memorial Hospital
 Easton, Maryland

1984 - 1986 Staff Pharmacist (during PharmD program)
 Hospital of the University of Pennsylvania
 Philadelphia, Pennsylvania

1983 - 1984 Pharmacist/Manager
 Revco Drug Store
 Richmond, Virginia

PROFESSIONAL ACTIVITIES

2008 Expert Panelist: Specialist in Poison Information Roundtable, North
 American Congress of Clinical Toxicology, Toronto, Canada, September
 2008.

2008 Program Coordinator: Diagnosis & Treatment of Acute & Occult
 Chemical Exposures. Continuing education conferences developed and
 administered by the Virginia Poison Center in April, May and June 2008.

2006 – date U.S. Health Resources and Services Administration reviewer for HRSA
 grant applications for Poison Center certification and stabilization

- 2005 – date Preceptor for HRSA-funded clerkships designed to prepare non-physician practitioners for board certification in clinical toxicology
- 2004 – date Virginia-1 Disaster Medical Assistance Team (DMAT)
Charter Member, Chief Pharmacist, Toxicologist
Group Leader, Allied Health Professionals
- Deployed for 15 days in September 2005 in support of FEMA field operations following Hurricanes Katrina and Rita. Clinical operations carried out in Picayune, MS and Marathon Key, FL.
- 2004 Moderator, ABAT Symposium: Ipecac Syrup – Can the Controversy be Resolved? North American Congress of Clinical Toxicology, Seattle, WA
- 2001 – date Richmond Metropolitan Medical Response System
Toxicologist and Pharmacy Consultant
- 1998 - date Old Dominion EMS Alliance
Chair, Pharmacy Committee, 2005 – date
- 2001 - 2005 Terrorism Advisory Committee
Richmond Police Department
Richmond, VA
- 2001 - 2005 Scientific Advisory Committee
Mid-Atlantic Center for Children’s Health and the Environment
George Washington University Medical Center
Washington, DC

MEMBERSHIP – SCIENTIFIC, HONORARY AND PROFESSIONAL SOCIETIES

- 1990 - date American Academy of Clinical Toxicology
Fellow - 1996
- 1990 - date American Board of Applied Toxicology
Diplomate 1990 - present
Board of Directors 1990 - 1996
Vice-President 1991 - 1992
President 1992 - 1994
- 1988 - date American Association of Poison Control Centers
Board of Directors & Treasurer, 1994 -2004
Executive Committee, 1994 - 2004
- 1997 – date Virginia Pharmacists Association
- 1997 – 2002 Society for Academic Emergency Medicine

MEMBERSHIP – COMMUNITY ORGANIZATIONS

2005 – date Member, Richmond Chapter, Kiwanis International
 2004 – date Director and Treasurer (2004-7), Avalon Recreation Association
 1974 – 1980 West End Volunteer Rescue Squad, Life Membership (1980)

COMMITTEES

National

U.S. Health Resources and Services Administration (HRSA)
 2006-7 Poison Center Financial Stability Working Group

National Disaster Medical System (NDMS)
 2006 - 2007 Pharmacy and Therapeutics Committee

Poison Prevention Week Council
 1995 - date Treasurer

American Academy of Clinical Toxicology
 2006 – date Chair, Fellowship Committee
 2004-2006 Member, Fellowship Committee

American Association of Poison Control Centers
 1994 – 2004 Board of Directors & Treasurer
 1994 – 2004 Executive Committee
 2000 – 2004 Chair, Finance Committee
 2000 – 2004 Abstract Review Committee
 2002 – 2003 Chair, AAPCC Ad-hoc Search Committee
 1997 – 2001 Legislative Committee
 1992 – 1994 Scientific Review Committee
 1992 – 1994 Research Awards Committee
 1988 – 1997 Abstract Review Committee

American Board of Applied Toxicology
 1991 – 1994; 2000 - date Examination Committee
 2007 Nominating Committee

State

VA-1 Disaster Medical Assistance Team
 2004 – date Leadership Committee

Biosolids Technical Advisory Committee
 Virginia Department of Environmental Quality
 2008 – date

Regional

Old Dominion EMS Alliance
 1998 – date Pharmacy Committee
 2005 – date Chair, Pharmacy Committee

Richmond Metropolitan Medical Response System
 2001 – date Antidote task force

Departmental Committes

2005 - date Pharmacy & Therapeutics Committee
 2004 - date Incentive Committee
 2003 - date Emergency - Psychiatry Task Force
 2000 - date Education Committee
 2000 - 2003 Resident Selection Committee
 1998 - date Faculty Search Committee
 1997 - 2003 Quality Assurance and Fatality Review
 1997 - date Medical Directors / Leadership Committee

Hospital Committes

1997 - date Emergency Department Patient Care Committee

2007 Promotion Committee: Mary Ann Peberdy, MD
 Associate Professor to Professor
 Department of Internal Medicine

2007 Promotion Committee: Harinda Dhindsa, MD, MPH, MBA
 Assistant to Associate Professor
 Department of Emergency Medicine

2007 Internal Review Committee
 Fellowship Program in Endocrinology
 Department of Internal Medicine

2008 Promotion Committee: R. Todd Stravitz, MD
 Associate Professor to Professor
 Department of Internal Medicine

2008 – date Emergency Preparedness Subcommittee

ADVISORY BOARDS

CroFab[®] (Crotalidae Polyvalent Immune Fab), Fougera Pharmaceuticals
 2006 - date

JOURNAL / BOOK REVIEWER

Annals of Emergency Medicine, 1998 - date
 Annals of Pharmacotherapy, 2007
 DICP, The Annals of Pharmacotherapy, 1987 – 1992
 Editorial Board, 1987-1991
Drug Information, American Society of Hospital Pharmacists, 1986
 Journal of Clinical Laboratory Analysis, 2005
 Journal of Medical Toxicology, 2006 - date
 Journal of Toxicology - Clinical Toxicology, 2000 - date
Mosby's Paramedic Textbook, 2nd edition, 2000
Prehospital Drug Therapy. Mosby-Year Book, Inc., 1993, 1998-9.
 Resuscitation, 1998 – present

SPECIAL AWARDS, FELLOWSHIPS, HONORS

Bronze Commendation for hurricane relief deployment, 2005
 Virginia-1 Disaster Medical Assistance Team
 Regional Award for Outstanding Contribution to EMS, 2005
 Old Dominion EMS Alliance
 Distinguished Faculty Teaching Award, 2003-4
 Department of Emergency Medicine
 Virginia Commonwealth University Medical Center
 Fellow, American Academy of Clinical Toxicology (1996)
 Teacher of the Year Award, 1990-1
 Division of Emergency Medicine
 University of Florida Health Science Center, Jacksonville
 Rho Chi Pharmacy Honor Society
 Alpha Sigma Chi Leadership Society
 Life Member, West End Volunteer Rescue Squad, Richmond, Va.
 Jaycee's Outstanding Rescue Squadsman of the Year; Richmond, Va., 1980

EXTERNAL GRANTS

Virginia Department of Health Program support for the Virginia Poison Center July 1997 - June 2009	\$ 8,361,111
U.S. Department of Health & Human Services Health Resources and Services Administration Stabilization grants for the Virginia Poison Center September 2001 - August 2009	\$ 1,338,895
Denver Health Authority Funding provided through the Rocky Mountain Poison Center (Denver, CO) for participation in a	\$ 205,066

multicenter project analyzing call data concerning potential drugs of abuse (RADARS).
November 2002 – June 2008

Drug Abuse Warning Network Review of VCUHS ER records for reportable cases of substance abuse. Program sponsored by National Institute on Drug Abuse (NIDA). July 2000 – March 2004	\$ 26,000
American Association of Poison Control Centers (1994) Research award funded by the Upjohn Company for analysis and publication of exposures to the drug minoxidil.	\$ 12,000
Denver Health Authority (2005) Retrospective Evaluation of Local and Coagulopathy Recurrences Associated with Antivenom Therapy for Crotaline Snakebite	\$1,800

RESEARCH ACTIVITIES

1987 - 1988 Simulated Acetaminophen Overdose: Pharmacokinetics and Effectiveness of Activated Charcoal

Principle Investigator. Comparative, crossover study in 10 volunteers conducted during toxicology fellowship. Examined pharmacokinetics of five gram APAP dose (elixir), and ability of activated charcoal to reduce urinary recovery of APAP when administered at varying time intervals after the APAP. Presented in parts at two national meetings. Funded by University of Maryland. Manuscript published.

1987 - 1988 Prospective Evaluation of Acute Pseudoephedrine Ingestion

Principle Investigator. Evaluation of 200 consecutive cases of acute pseudoephedrine ingestion reported to a regional poison center. Conducted during fellowship at Maryland Poison Center. Presented at national meeting.

1989 - 1990 Emergency Department Evaluation of Flumazenil in Patients with Suspected Benzodiazepine Overdose

Participating Investigator. Multicenter, sponsored (Roche Pharmaceuticals) research protocol in emergency department at University Medical Center, Jacksonville.

1990 – 1991 Multicenter, Prospective Evaluation of Antidepressant Overdoses

Study Coordinator. Prospective analysis of cyclic antidepressant overdoses presenting to 10 busy emergency departments over a one year period. Coordinated by Rocky Mountain Poison Center.

1992 - 1994 Evaluation of Oral and Topical Minoxidil Exposures Reported to U.S. Poison Centers from 1985-1991

Principle Investigator. \$12,000 grant from American Association of Poison Control Centers to review the epidemiology and clinical toxicity of all minoxidil exposures reported to the AAPCC from 1985 through 1991. Funded by The Upjohn Co.

1993 - 1994 Etomidate as a Canine Anesthetic in Cardiovascular Research

Participating Investigator. Laboratory study of etomidate infusion in dogs instrumented during thoracotomy. Etomidate infusion (40 mcg/kg/min) produced adequate analgesia while preserving normal myocardial performance and cardiovascular reflexes.

1994 - 1995 Children's Analgesic Medicine Project

Co-Investigator. Multi-center study evaluating the use and adverse effects of Children's Tylenol and Children's Advil in the outpatient setting. This study will supply data to the FDA for determination if Children's Advil can be safely sold without a prescription. Funded by Whitehall Laboratories.

1999 - 2000 Emergency Health Care Provider Knowledge of Lidocaine Dosing and its Potential Toxicity

Participating Investigator. Multi-center survey of faculty and housestaff physicians regarding their knowledge of lidocaine dosing and toxicity.

2002 - date Surveillance of the RADARS 7 by Poison Control Centers: A Pilot Study

Participating Investigator. Study site coordinator for multi-poison center study coordinated by Rocky Mountain Poison Center, and funded by Purdue Pharma. Data is abstracted from poison case records, reviewed, blinded, encrypted and sent to RMPC. November 2002 - December 2008. Level of funding = \$125,786 through march 2006. Ongoing project.

2005 Retrospective Evaluation of Local and Coagulopathy Recurrences
Associated with Antivenom Therapy for Crotaline Snakebite

Participating Investigator. Study site coordinator for review of snakebite patients treated with antivenin who were treated at VCU Medical Center and/or consulted on through the Poison Center. Data collection occurring in 2005 on patients treated in 2004.

2005 - 2007 Evaluation of Repaglinide and Nateglinide Overdose as Reported to
Poison Centers

Participating Investigator. Study site coordinator for review of patients with overdose of study drugs and in whom the Poison Center was consulted.

2005 - date Efficacy of Crotaline Fab Antivenom for Copperhead Envenomations

Participating Investigator. Prospective, multi-center controlled study evaluating the efficacy of a new Fab antivenom for treatment of copperhead envenomations.

2006 – date Poison Center Surveillance of Agricultural Poisonings

Participating investigator and site coordinator. This multi-center study will provide pre-formatted questions to poison centers to use in cases of human exposures to pesticides. The goal of the study is to better understand the circumstances of pesticide exposures related to production agriculture.

INVITED LECTURES

1. "Management of the Poisoned Patient". Hampton General Hospital Medical Staff, Hampton, Virginia, October 1987.
2. "Acute Phencyclidine Intoxication". Department of Pediatrics, University of Maryland Hospital, January 1988.
3. Moderator: "Tox Trivial Pursuit". Department of Emergency Medicine, The Johns Hopkins Hospital, March 1988.
4. "Toxicology of Cardiac Drugs". Update: Poisoning Emergencies. Seminar sponsored by Maryland Institute for Emergency Medical Services Systems and Maryland Poison Center. Baltimore, MD., March 1988.
5. "Enhancing Elimination of Drugs and Toxins". Grand Rounds, Division of Emergency Medicine, University Medical Center, Jacksonville, February 1989.

6. "Poisoning Statistics and Poison Prevention Techniques". Grand Rounds, Division of Emergency Medicine, University Medical Center, Jacksonville, March 1989.
7. "Toxic Effects & Management of Hydrocarbon Ingestions". 1989 Florida Conference on Poison Control. Tampa, FL., May 1989.
8. "Diagnosis and Treatment of the Toxicity of the Newer Antidysrhythmic Agents". Southwest Florida Society of Hospital Pharmacists Annual Meeting, St. Petersburg, Fl., August 1989.
9. "Diagnosis and Treatment of Theophylline Toxicity". Southwest Florida Society of Hospital Pharmacists Annual Meeting, St. Petersburg, Fl., August 1989.
10. "Hydrocarbon Exposures". Grand Rounds, Division of Emergency Medicine, University Medical Center, Jacksonville, September 1989.
11. "Hydrocarbon Ingestions in the Pediatric Patient". Grand Rounds, Department of Pediatrics, University Medical Center, Jacksonville, October 1989.
12. Testified at a public hearing on potential adverse health effects of toxic emissions from a proposed coal-fired power plant to be built in Jacksonville, Florida, February 1990.
13. "Complications of Drug Therapy". Grand Rounds, Division of Community Health & Family Medicine, University Medical Center, Jacksonville, August 1990.
14. "Digitalis Toxicity & Use of Digoxin Immune Fab". Grand Rounds, Division of Community Health & Family Medicine, University Medical Center, Jacksonville, August 1990.
15. "The Concept of Regional Poison Centers". Presented at Florida State EMS Advisory Council Annual Meeting, Marco Island, Florida, October 1990.
16. "Petroleum Distillate Ingestion & Aspiration". Grand Rounds, Division of Community Health & Family Medicine, University Medical Center, Jacksonville, November 1990.
17. "Pediatric Iron Overdose". Grand Rounds, Department of Pediatrics, Baptist Medical Center, Jacksonville, January 1991.
18. "Pharmacokinetics for Emergency Physicians". Grand Rounds, Department of Emergency Medicine, Carolinas Medical Center, October 1991.
19. "Clinical Use of Flumazenil". Grand Rounds, Department of Emergency Medicine, Carolinas Medical Center, March 1992.
20. "Utilizing the Poison Center". Grand Rounds, Department of Family Practice, Carolinas Medical Center, August 1992.

21. "Flumazenil: Clinical Pearls". North Carolina Society of Hospital Pharmacists Annual Meeting, October 1992.
22. "Clinical Utility of Flumazenil - Case Examples". Symposium prior to the American Society of Hospital Pharmacists Midyear Clinical Meeting, December, 1992.
23. "The Poison Center and OTC Drug Toxicity". Cleveland County Pharmaceutical Association, December 1992.
24. "Calcium Channel Blocker Toxicity". American College of Clinical Pharmacy Winter Clinical Symposium, February 1993.
25. "New Drugs 1992". Grand Rounds, Department of Emergency Medicine, Carolinas Medical Center, March 1993.
26. "The Poison Center and OTC Drug Toxicity". Lincoln County Pharmaceutical Association, April 1993.
27. "Theophylline Toxicity". Grand Rounds, Department of Emergency Medicine, Carolinas Medical Center, April 1993.
28. "Pediatric Analgesia and Sedation in the Emergency Medicine". One of three panelists in case discussions. Spring Symposium, Carolinas Medical Center, May 1993.
29. "Pediatric Petroleum Distillate Ingestion". Grand Rounds, Departments of Emergency Medicine and Pediatrics, Carolinas Medical Center, October 1993.
30. "Clinical Issues in Caring for the Poisoned Patient". Explorations in Cardiovascular Nursing Conference, Charlotte, NC, November 1993.
31. "Update on Romazicon". Dept. of Emergency Medicine, Carolinas Medical Center, March 1994.
32. "Toxic Syndromes". Department of Family Medicine, Carolinas Medical Center, May 1994.
33. "Acute Iron Overdose". Emergency Medicine Grand Rounds, University of North Carolina Hospitals, Chapel Hill, NC, November 1994.
34. "Autonomic Pharmacology". Department of Emergency Medicine, Carolinas Medical Center, January 1995.
35. "Update in Toxicology". Cleveland County Health Department, Shelby, NC, April 1995.
36. "Antidysrhythmic Drug Toxicity". Department of Emergency Medicine, Carolinas Medical Center, June 1995.

37. "Acetaminophen and Salicylate Toxicity". Anson County Hospital Medical Staff, Wadesboro, NC, August 1995.
38. "Clinical Toxicology - Practice and Principles". Syrian Poison Information Center, Damascus, Syria, May 1996.
39. "Clinical Toxidromes". Dept. of Emergency Medicine, Carolinas Medical Center, July 1996.
40. "Case Studies in Pediatric Poisoning". Emergency Medicine Today Conference, Greensboro, NC, October 1996.
41. "Pharmacokinetics for Emergency Physicians". Grand Rounds, Department of Emergency Medicine, Carolinas Medical Center, February 1997.
42. "Case Studies in Toxicology". Clinical Forum, American College of Emergency Physicians, Charlotte, NC, April 1997.
43. "Toxic Syndrome Cases". Department of Emergency Medicine, Portsmouth Naval Hospital, Portsmouth, VA, October 1997.
44. "Clinical Response to Urban Terrorism - Chemical Weapons". NC Chapter of American College of Emergency Physicians summer meeting, Atlantic Beach, NC, June 1998.
45. "Case Studies in Toxicology". Virginia Chapter of American College of Emergency Physicians 2000 Scientific Assembly, Hot Springs, VA, February 2000.
46. "New Drugs in Emergency Medicine". Virginia Chapter of American College of Emergency Physicians 2000 Scientific Assembly, Hot Springs, VA, February 2000.
47. "Current Trends in Overdose Management". Medical staff CME program, Mary Washington Hospital, Fredericksburg, VA, July 2000.
48. "Initial Considerations in the Management of Intoxication". 4th Annual Toxicology Teaching Day, Central New York Poison Center and SUNY Upstate Medical University, Syracuse, NY, November 2000.
49. "Current Trends in Overdose Management". Medical staff CME program, John Randolph Medical Center, Hopewell, VA, January 2001.
50. "Current Trends in Overdose Management". Medical staff CME program, Southside Community Hospital, Farmville, VA, January 2001.
51. "Introduction to Clinical Toxicology in the ED". Department of Emergency Medicine, VCU Health System, July 2001.
52. "Clinical Toxicology Update". Virginia Society of Health-Systems Pharmacists, Richmond, VA, August 2001.

53. "Cops and Docs Program". Specialist in Poison Information Symposium, North American Congress of Clinical Toxicology, Montreal, Canada, October 2001.
54. "Case Studies in Toxicology - Toxic Syndromes". Grand Rounds, Department of Emergency Medicine, University of Virginia Health System, Charlottesville, VA, October 2001.
55. "Overdose in Pregnancy". Grand Rounds, Department of Obstetrics and Gynecology, Virginia Commonwealth University Health System, Richmond, VA, February 2002.
56. "Clinical Toxicology of Glyphosate". Roundtable Discussion, Monsanto Corporation, St. Louis, MO, May 2002.
57. "Introduction to Clinical Toxicology in the ED". Department of Emergency Medicine, VCU Health System, July 2002.
58. "Toxicity of Alcohols and Glycols". Department of Internal Medicine, VCU Health System, Richmond, VA, January 2003.
59. "Toxicology for Pre-Hospital Providers". Richmond Ambulance Authority, Richmond, VA, January 2003.
60. "Toxic Syndromes". Department of Internal Medicine, VCU Health System, Richmond, VA, February 2003.
61. "Club Drug Toxicity". Virginia Chapter of American College of Emergency Physicians 2003 Scientific Assembly, Hot Springs, VA, March 2003.
62. "Case Studies in Clinical Toxicology". School of Pharmacy, VCU Health System, Richmond, VA, March 2002.
63. "Forensic Toxicology". School of Nursing, VCU Health System, Richmond, VA, April 2003.
64. "Pediatric Toxicology: Small Doses = Big Problems". Department of Pediatrics, VCU Health System, Richmond, VA, April 2003.
65. "Introduction to Clinical Toxicology in the ED". Department of Emergency Medicine, VCU Health System, July 2003.
66. "Forensic Toxicology". School of Nursing, VCU Health System, Richmond, VA, September 2003.
67. "Chemicals Used as Weapons". Continuing Medical Education, CJW Medical Center, Richmond, VA, September 2003.
68. "Use of the Poison Center in Hazardous Material Incidents". Metropolitan Richmond Haz-Mat Working Group, Chesterfield County, VA, March 2004.

69. "The Controversy over Syrup of Ipecac". Department of Pediatrics, VCU Medical Center, Richmond, VA, March 2004.
70. "Immune Fab Fragments Used as Antidotes". Virginia Society of HealthSystem Pharmacists, Ocean View, VA, July 2004.
71. "Introduction to Clinical Toxicology in the ED". Department of Emergency Medicine, VCU Health System, July 2004.
72. "Pediatric Toxicology: New Kids on the Block". 26th Annual Peds at the Beach Conference, Department of Pediatrics, Virginia Commonwealth University, Virginia Beach, VA, July 2004.
73. "Update on Acetaminophen Poisoning and Treatment". Department of Emergency Medicine, VCU Health System, Richmond, VA, January 2005.
74. "Update on Acetaminophen Poisoning and Treatment". Department of Pediatrics, VCU Health System, Richmond, VA, February 2005.
75. "Diagnosis and Treatment of Snakebite in Central Virginia". Department of Pediatrics, VCU Health System, Richmond, VA, May 2005.
76. "Board Review in Pediatric Toxicology". Department of Pediatrics, VCU Health System, Richmond, VA, June 2005.
77. "Introduction to Clinical Toxicology in the ED". Department of Emergency Medicine, VCU Health System, July 2005.
78. "Cutaneous Manifestations of Toxic Exposures". Grand Rounds, Department of Dermatology, VCU Health System, Richmond, VA, December 2005.
79. "Forensic Toxicology for Forensic Nurse Examiners". School of Nursing, VCU Health System, March 2006.
80. "Introduction to Clinical Toxicology in the ED". Department of Emergency Medicine, VCU Health System, July 2006.
81. "Immune Fab Fragments Used as Antidotes". Virginia Society of HealthSystem Pharmacists, Tysons Corner, VA, September 2006.
82. "Arachnophobia! – Does Scary Looking Mean Harmful?". 27th Annual Virginia EMS Symposium, Norfolk, VA, November 2006.
83. "Biting the hand that Feeds You – Snakebites in Virginia". 27th Annual Virginia EMS Symposium, Norfolk, VA, November 2006.
84. "Cutaneous Toxicology". Grand Rounds, Department of Dermatology, VCU Health System, January 2007.

85. "Toxic Alcohols". Department of Emergency Medicine, VCU Health System, February 2007.
86. "Forensic Toxicology for Forensic Nurse Examiners". School of Nursing, VCU Health System, March 2007.
87. "Fire Toxicology". Departments of Emergency Medicine and Pediatrics, VCU Health System, March 2007.
88. "Pharmacology for Disaster Medical Teams". VA-1 Disaster Medical Assistance Team, April 2007.
89. "Spider Bites in Virginia". Pegasus Critical Response '07 Course, University of Virginia, Charlottesville, VA, April 2007.
90. "Toxic Syndromes". Department of Pediatrics, VCU Health System, May 2007.
91. "Toxicology Review". Department of Pediatrics, VCU Health System, June 2007.
92. "Clinical Toxicology Update". Commonwealth Emergency Physicians, Leesburg, VA, July 2007.
93. "Critical Look at Critical Care Meds". 28th Annual Virginia EMS Symposium, Norfolk, VA, November 2007.
94. "Cardiovascular Drug Toxicity". Department of Emergency Medicine, VCU Health System, November 2007.
95. "Nerve Agents and Vesicants". Diagnosis & Treatment of Acute & Occult Chemical Exposures. Virginia Poison Center Clinical Conference, Henrico, VA, April 2008.
96. "Management of Snakebites in Virginia". Continuing Concepts in Pre-Hospital Emergency Medicine, Suffolk, VA, April 2008.
97. "Street Drug Toxicology". LifeEvac Vital Concepts Conference, Richmond, VA, May 2008.
98. "Bites and Stings". Department of Pediatrics, VCU Health System, May 2008.
99. "Nerve Agents and Vesicants". Diagnosis & Treatment of Acute & Occult Chemical Exposures. Virginia Poison Center Clinical Conference, Gloucester, VA, May 2008.
100. "Drug-Facilitated Sexual Assault". SANE Conference, VCU Health System, May 2008.

101. "Nerve Agents and Vesicants". Diagnosis & Treatment of Acute & Occult Chemical Exposures. Virginia Poison Center Clinical Conference, Norfolk, VA, June 2008.
102. "Toxicology Review". Department of Pediatrics, VCU Health System, June 2008.
103. "Facilitating Poison Center Public Education". North American Congress of Clinical Toxicology, Toronto, Canada, September 2008.

PUBLICATIONS - REFEREED

1. Rose SR, Gorman RL and McDaniel J. Fatal digoxin poisoning: an unsuccessful resuscitation with use of digoxin immune Fab. *Am J Emerg Med* 1987; 5:509-511.
2. Rose SR, Klein-Schwartz W, Oderda GM, Gorman RL and Young WHH. Lithium intoxication with acute renal failure and death. *Drug Int Clin Pharm* 1988;22:691-4.
3. Rose SR and Gorman RL. Influence of volume of fluid on effectiveness of ipecac [letter]. *J Pediatrics* 1988; 112:159-160.
4. Favin FD, Oderda GM, Klein-Schwartz W and Rose SR. In vitro study of lithium carbonate adsorption by activated charcoal. *Clin Toxicol* 1988; 26:443-450.
5. Gorman RL, Chamberlain JM, Rose SR and Oderda GM. A massive levothyroxine overdose: high anxiety-low toxicity. *Pediatrics* 1988; 82:666-9.
6. Grufferman S and Rose SR. Naloxone: a safe and effective drug [letter]. *Ann Emerg Med* 1988; 17:764.
7. Klein-Schwartz W, Oderda GM, Gorman RL, Favin F and Rose SR. Assessment of treatment guidelines in acute iron ingestions. *Clin Pediatrics* 1990; 29(6):316-321.
8. Rose SR. General principles of toxicology: acute poisoning management. *Military Pharmacy Alliance - an educational initiative for military pharmacists. Vol 2, Num.IV, 1991.*
9. Newton TA and Rose SR. Poisoning with equine phenylbutazone in a racetrack worker. *Ann Emerg Med* 1991; 20:204-207.
10. Rose SR, Gorman RL, Oderda GM, Klein-Schwartz W and Watson WA. Simulated acetaminophen overdose: pharmacokinetics and effectiveness of activated charcoal. *Ann Emerg Med* 1991; 20:1064-1068.
11. Poff SW and Rose SR. Minoxidil overdose with ECG changes: case report and review. *J Emerg Med* 1992; 10:53-57.
12. Smith M, Wolfram W and Rose R. Toxicity-seizures in an infant caused by (or related to) oral viscous lidocaine use. *J Emerg Med* 1992; 10:587-590.

13. Rose SR and Tomaszewski C. Evaluation of oral and topical minoxidil exposures reported to US Poison Centers from 1985-1991. *Drug Investigation* 1994; 8(2):81-94.
14. Rose SR. Subleties of managing acetaminophen poisoning. [invited commentary] *Am J Hosp Pharm* 1994; 51:3065-3068.
15. Spiller HA, Villalobos D, Krenzelo EP, Anderson BD, Gorman SE, Rose SR et al. Prospective multicenter study of sulfonylurea ingestion in children. *J Pediatr* 1997; 131:141-6.
16. Moreau C, Kerns WP, Tomaszewski C, McMartin K, Rose R, Ford M, Brent J and the META Study Group. Glycolate kinetics and hemodialysis clearance in ethylene glycol poisoning. *Clin Toxicol* 1998; 36(7):659-66.
17. Moll J, Kerns W, Tomaszewski C and Rose R. Incidence of aspiration pneumonia in intubated patients receiving activated charcoal. *J Emerg Med* 1999; 17(2):279-83.
18. Giorgi-Guarnieri D, Rose SR and Ward KR. Face-to-face with psychosis in emergency medicine. *J Crit Illness* 2002; 17(10):397-400.
19. Rose SR, Ward KR and Giorgi-Guarnieri D. Pharmacotherapeutic options for chemical restraint. *J Crit Illness* 2002; 17(11):446-450.
20. Ward KR, Rose SR and Giorgi-Guarnieri D. Is chemical restraint appropriate for a trauma patient? *J Crit Illness* 2002; 17(12):495-6.
21. Giorgi-Guarnieri D, Rose SR and Ward KR. Is a dangerous criminal a dangerous patient? *J Crit Illness* 2003; 18(3):130-2.
22. Watson WA, Litovitz TL, Rodgers GC, Klein-Schwartz W, Youniss J, Rose SR, Borys D, May ME. 2002 annual report of the American Association of Poison Control Centers Toxic Exposure Surveillance System. *Am J Emerg Med* 2003; 21:353-421.
23. Muñiz AE, Rose SR, Liner SR, Foster RL. Unsuspected acetaminophen toxicity in a 58 day-old infant. *Pediatric Emergency Care* 2004; 20:824-8.
24. Kostic MA, Rose SR, and Bebart VS. Understanding poison control, and protecting its future. *Pediatric Annals* 2005; 34:983-988.
25. Whitlow KS, Carmichael JC and Rose SR. Acute poisoning: keys to zeroing in on the cause. *Consultant for Pediatricians* 2006; 5:217-22.
26. Rose SR, Poulson BS, Waring E and Whitlow KS. Unusual presentation of elapid envenomation in the U.S. Submitted for publication, 2006.
27. Whitlow KS, Carmichael JC and Rose SR. Acute poisoning: keys to zeroing in on the cause. *Consultant* 2006; 46:529-34.

28. Murphy CM, Akbarnia H and Rose SR. Fatal pulmonary edema after acute occupational exposure to nitric acid. J Emerg Med (accepted for publication).

PUBLICATIONS - NONREFEREED

Rose SR. Calcium channel blocker toxicity. Toxalert (Maryland Poison Center Newsletter), Fall 1987; 6(2).

Rose SR. Acute myocardial infarction in a middle-aged man. Case Studies in Emergency Medicine 1989; 5(4):1-6.

Rose, SR. Basic poisoning management. Florida J Hosp Pharm 1990; 10:31-41.

Rose SR. Poison control in North Carolina. NC Med J 1997; 58:272-6.

PRESENTATIONS - PROFESSIONAL MEETINGS

1. Rose SR, Klein-Schwartz W, Oderda GM, Gorman RL and Young WWH. Lithium Intoxication with Acute Renal Failure. 1987 American Association of Poison Control Centers (AAPCC) Annual Meeting, Vancouver, B.C., Canada.
2. Gorman RL, Chamberlain JM, Rose SR and Oderda GM. High Anxiety-Low Toxicity: A Massive T4 Ingestion. 1987 AAPCC Annual Meeting, Vancouver, B.C., Canada.
3. Oderda GM, Gorman RL, Rose SR and Klein-Schwartz W. When is Referral to the Hospital Necessary in Acute Iron Ingestion. 1987 AAPCC Annual Meeting, Vancouver, B.C., Canada.
4. Oderda GM, Gorman RL, Klein-Schwartz W, Rose SR and Stevenson L. Periodic Protocol Evaluation: A Case Study - Iron. 1987 AAPCC Annual Meeting, Vancouver, B.C., Canada.
5. Rose SR, Gorman RL, Oderda GM, Klein-Schwartz W and Watson WA. Pharmacokinetics of Simulated Acetaminophen Overdose in Volunteers. 1988 AAPCC Annual Meeting, Baltimore, MD.
6. Rose SR, Gorman RL, Oderda GM and Klein-Schwartz W. Prospective Evaluation of Acute Pseudoephedrine Ingestion. 1988 AAPCC Annual Meeting, Baltimore, MD.
7. Favin FD, Oderda GM, Klein-Schwartz W and Rose SR. In Vitro Study of Lithium Carbonate Adsorption by Activated Charcoal. 1988 American Association of Poison Control Centers Annual Meeting, Baltimore, MD.

8. Rose SR, Gorman RL, Oderda GM, Klein-Schwartz W and Watson WA. Treatment of Liquid Drug Overdoses with Activated Charcoal. 1989 American Association of Poison Control Centers Annual Meeting, Atlanta, GA.
9. Spillane JP, Schauben JL, Li S, Normann SA, Wears R, Rose SR and Augenstein WL. A Retrospective Evaluation of Poisoning Exposures in Infants 0-12 Months of Age. 1989 American Association of Poison Control Centers Ann. Mtg, Atlanta, GA.
10. Rose SR and Schauben JL. Analysis of Medication Non-Compliance in Emergency Department Patients with Chronic Medical Disorders. 1989 American Society of Hospital Pharmacists Midyear Clinical Meeting, Atlanta, GA.
11. Rose SR and Tomaszewski C. Evaluation of Minoxidil Exposures Reported to U.S. Poison Centers. 1993 International Congress of Toxicology, New York, NY.
12. Rose SR. Recognition of Nonphysician Toxicologists Through Board Certification. XVI International Congress of the European Association of Poison Centres and Clinical Toxicologists, Vienna, Austria, April 1994.
13. Ford M, Tomaszewski C, Kerns W, Rose R, Kirk M, Eichhorst A. Bedside ferric chloride urine test to rule out salicylate intoxication. 1994 North American Congress of Clinical Toxicology, Salt Lake City, UT.
14. Spiller H, Villalobos D, Krenzelok E, Fenn J, Gorman S, Anderson B, Frenia M, Rose R, Anderson D, Muir S, Rogers G. Prospective multicenter study of sulfonyleurea ingestions in children. 1995 North American Congress of Clinical Toxicology, Rochester, NY.
15. Lopez G, Geller RJ, Fisher J, Rose R, Normann S. Mutual aid among regional poison centers during foreseeable and unforeseeable service interruptions. 1996 North American Congress of Clinical Toxicology, Portland, Oregon.
16. Moreau C, Kerns W, Tomaszewski C, Rose R, et al. Glycolate kinetics and hemodialysis clearance in ethylene glycol poisoning. 1997 North American Congress of Clinical Toxicology, St. Louis, Missouri.
17. Rose R, Cisek J and Mickell J. Fosphenytoin-induced bradycardia arrest in an infant treated with charcoal hemofiltration. 1998 North American Congress of Clinical Toxicology, Orlando, Florida.
18. Rose R, Carper B, Waring E, Holstege C, Cisek J. Utilization of caller ID technology among certified poison centers. 1999 North American Congress of Clinical Toxicology, La Jolla, California.
19. Waring E, Holstege C, Rose R, Cisek J. Transient miosis and contact dermatitis from bombina bombina exposure. 1999 North American Congress of Clinical Toxicology, La Jolla, California.

20. Holstege C, Snyder L, Cisek J, Rose R. Profound methemoglobinemia induced by dermal and inhalation exposure to aniline dye. 1999 North American Congress of Clinical Toxicology, La Jolla, California.
21. Cisek J, Holstege C, Rose R. Seizure associated with butanediol ingestion. 1999 North American Congress of Clinical Toxicology, La Jolla, California.
22. Rose R, McCue C, Ivatury R and McKeith J. Cops working with dogs to combat trauma associated with substance abuse. XX International Congress, European Association of Poison Centres and Clinical Toxicologists, Amsterdam, The Netherlands, May 2000.
23. Rose R and Waring E. Consumer access to activated charcoal products. 2000 North American Congress of Clinical Toxicology, Tucson, Arizona.
24. Hummel RS, Barry DP, Gould J and Rose SR. A preliminary report on environmental storage condition compliance of "out-of-hospital" pharmaceuticals in central Virginia. 2002 National Association of EMS Physicians, Tucson, Arizona.
25. McKee DB and Rose SR. Safety of montelukast in accidental ingestions by children. 2002 North American Congress of Clinical Toxicology, Palm Springs, California.
26. O'Malley G, Ashe A and Rose SR. Colchicine overdose treated with hemodialysis. 2002 North American Congress of Clinical Toxicology, Palm Springs, California.
27. Hughes AA, Bogdan GM, Dart RC, Holstege C, Campbell P, Alsop J, Heard S, Bond GR, Pierce B, Bernstein J, Weisman R, Spiller HA, Simone K, Clement C, Rose SR. Comparative rates of oxycontin abuse: anecdotal highs. 2003 North American Congress of Clinical Toxicology, Chicago, Illinois.
28. Dart RC, Bond, GR, Pierce B, Alsop J, Ly BT, Holstege C, Campbell P, Spiller HA, Simone K, Clement C, Bernstein J, Weisman R, Rose R and Waring E. Seasons of abuse? Temporal trends of prescription opioids. 2004 North American Congress of Clinical Toxicology, Seattle, Washington.
29. Rose SR, Poulson B, Waring E, Whitlow KS. Unusual presentation of elapid envenomation in the U.S. Snakebites In The New Millennium: A State-Of-The-Art Symposium, Omaha, NE, October 2005.
30. Whitlow KS, Jensi C, Kostic M, Rose SR. Strychnine toxicity secondary to abuse of adulterated illicit drugs. 11th International Congress on Emergency Medicine, Halifax, Nova Scotia, June 2006.
31. Whitlow KS, DiMaio AA, Rose SR. Systemic effects after copperhead envenomation. Venom Week, Tucson, AZ, September 2007.
32. Whitlow KS, Ascue JT, Patel RN, Rose SR. Arizona black rattlesnake envenomation. Venom Week, Tucson, AZ, September 2007.

33. Murphy CM, Akbarnia H, Whitlow KS, Cumpston KL, Rose SR. Fatal Acute Occupational Exposure to Nitric Acid. 2007 North American Congress of Clinical Toxicology, New Orleans, LA, October 2007.
34. Wolf CE, Rose SR and Poklis A. Case report: the use of the herbicide diquat and its possible involvement in a poisoning. 2007 Society of Forensic Toxicology, Raleigh, NC, October 2007.
35. Mullen S, Breden EL, Rose SR. Evaluation of Intramuscular Ziprasidone Usage by Emergency Medical Services. 42nd Annual ASHP Midyear Clinical Meeting, Las Vegas, NV, December 2007.
36. Mullen S, Breden EL, Rose SR. Evaluation of Intramuscular Ziprasidone Usage by Emergency Medical Services. College of Psychiatric and Neurologic Pharmacists Annual Meeting, Scottsdale, AZ, April 2008.
37. Mullen S, Breden EL, Rose SR. Evaluation of Intramuscular Ziprasidone Usage by Emergency Medical Services. 27th Annual Eastern States Conference for Pharmacy Residents and Preceptors, Hershey, PA, May 2008.
38. Murphy CM, Rickard JW, Rose SR, Cumpston KL, Whitlow KS. Guanfacine poisoning and Munchausen's by proxy. European Association of Poison Centres and Clinical Toxicologists XXVIII International Congress, Seville, Spain, May 2008.

PUBLICATIONS - BOOK CHAPTERS

1. Rose SR and Oderda GM. Rodenticides and herbicides. In: Noji EK and Kelen GD, eds. Manual of Toxicologic Emergencies. Chicago: Year Book Medical Publishers, Inc., 1989: 637-650.
2. Rose SR. Disopyramide, Quinidine, and Procainamide Poisoning. In: Harwood-Nuss AL, ed. The Clinical Practice of Emergency Medicine. Philadelphia: JB Lippincott Co., 1991: 496-499.
3. Schauben JL and Rose SR. Opiate Overdose. In: Aaron CK and Linden CH, eds. Intensive Care Medicine. 2nd Ed. Boston: Little, Brown and Co., 1991: 1232-1241.
4. Frenia ML, Schatz JM, Schauben JL and Rose SR. Guidelines for the dosing of pediatric patients. In: Harwood-Nuss AL, ed. The Clinical Practice of Emergency Medicine. 2nd ed. Philadelphia: JB Lippincott Co., 1994.
5. Rose SR. Antidysrhythmic Drug Poisoning. In: Harwood-Nuss AL, ed. The Clinical Practice of Emergency Medicine. 2nd ed. Philadelphia: JB Lippincott Co., 1994.
6. Kirk MA, Cisek J and Rose SR. Emergency Department Response to Hazardous Materials Incidents. In: Ford MD and Olshaker JS, eds. Emergency Medicine

7. Rose SR. Ethchlorvynol. In: Wexler P, ed. Encyclopedia of Toxicology. Academic Press, San Diego, 1998, Vol. 1: 566-7.
8. Rose SR. Methyprylon. In: Wexler P, ed. Encyclopedia of Toxicology. Academic Press, San Diego, 1998, Vol. 2: 319-20.
9. Rose SR. Phenytoin. In: Wexler P, ed. Encyclopedia of Toxicology. Academic Press, San Diego, 1998, Vol. 2: 519-20.
10. Rose SR. Primidone. In: Wexler P, ed. Encyclopedia of Toxicology. Academic Press, San Diego, 1998, Vol. 2: 585-6.
11. Rose SR. Thalidomide. In: Wexler P, ed. Encyclopedia of Toxicology. Academic Press, San Diego, 1998, Vol. 3: 226-7.
12. Rose SR. Valproic Acid. In: Wexler P, ed. Encyclopedia of Toxicology. Academic Press, San Diego, 1998, Vol. 2: 385-6.
13. Rose SR. Acetaminophen. In: Howell JM et al, eds. Emergency Medicine. W.B. Saunders Company, Philadelphia, PA., 1998.
14. Rose SR and Cisek J. Antidysrhythmic Drug Poisoning. In: Harwood-Nuss AL, ed. The Clinical Practice of Emergency Medicine. 3rd ed. Philadelphia: Lippincott Williams & Wilkins, 2001.
15. Watson WA and Rose SR. Pharmacokinetics and Toxicokinetics. In: Ford MF et al, eds. Clinical Toxicology. Philadelphia: W.B. Saunders Company, 2001.
16. Rose SR. Acute Nontoxic Exposures. In: Ford MF et al, eds. Clinical Toxicology. Philadelphia: W.B. Saunders Company, 2001.
17. Rose SR and Holstege C. Folic and Folinic Acid. In: Brent J et al, eds. Critical Care Toxicology: Diagnosis and Management of the Critically Poisoned Patient. Philadelphia: Elsevier Mosby, 2005.
18. Rose SR. Miscellaneous Household Products. In: Dart RC, ed. Medical Toxicology, 3rd edition. Baltimore: Lippincott Williams & Wilkins, 2004.
19. Rose SR. Ethchlorvynol. In: Wexler P, ed. Encyclopedia of Toxicology, 2nd Edition. Elsevier, San Diego, 2005.
20. Rose SR. Methyprylon. In: Wexler P, ed. Encyclopedia of Toxicology, 2nd Edition. Elsevier, San Diego, 2005.
21. Rose SR. Phenytoin. In: Wexler P, ed. Encyclopedia of Toxicology, 2nd Edition. Elsevier, San Diego, 2005.

22. Rose SR. Primidone. In: Wexler P, ed. Encyclopedia of Toxicology, 2nd Edition. Elsevier, San Diego, 2005.
23. Rose SR. Thalidomide. In: Wexler P, ed. Encyclopedia of Toxicology, 2nd Edition. Elsevier, San Diego, 2005.
24. Rose SR and Cisek J. Antidysrhythmic Drug Poisoning. In: Harwood-Nuss AL, ed. The Clinical Practice of Emergency Medicine. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 2005.
25. Rose SR and Cisek J. Antidysrhythmic Drug Poisoning. In: Harwood-Nuss AL, ed. The Clinical Practice of Emergency Medicine. 5th ed. Philadelphia: Lippincott Williams & Wilkins, (in press).

Revised: 11/2008