

Lewis S. Nelson M.D.  
Curriculum Vitae

**CONTACT INFORMATION**

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Office Phone: 973-972-8475

**EDUCATION**

1985-1989: State University of New York Health Science Center at Brooklyn (Downstate), NY. Medical Doctor, Cum Laude.  
1981-1985: Emory University, Atlanta, GA. Bachelor of Science.

**TRAINING**

1993-1995: Fellow, Medical Toxicology. New York City Poison Center. Division of Emergency Services, Department of Surgery, New York University School of Medicine, New York, NY.  
1990-1993: Resident, Emergency Medicine. Mount Sinai School of Medicine Integrated Residency in Emergency Medicine, New York, NY. Chief Resident, 1992-1993.  
1989-1990: Intern, General Surgery. Albert Einstein College of Medicine, Bronx, NY.

**FACULTY APPOINTMENTS:**

2016-present: Professor, Department of Emergency Medicine, Rutgers New Jersey Medical School  
2011-2016: Professor, Department of Emergency Medicine, New York University School of Medicine  
2006-2011: Associate Professor, Department of Emergency Medicine, New York University School of Medicine  
1996-2006: Assistant Professor, Department of Emergency Medicine, New York University School of Medicine  
1995-1996: Assistant Professor, Department of Surgery, Section of Emergency Medicine, Yale University School of Medicine  
1993-1995: Instructor, Department of Surgery, Division of Emergency Medicine, New York University School of Medicine

**DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES:**

2016-present: Chair, Department of Emergency Medicine, Rutgers New Jersey Medical School  
2016-present: Chief of Service, University Hospital of Newark  
2016-present: Chief, Division of Medical Toxicology, Rutgers New Jersey Medical School  
2016-present: Senior Consultant, New Jersey Poison Information & Education System  
2015-2016: Director of Medication Stewardship, NYU Department of Emergency Medicine  
2012-2016: Vice Chair for Academic Affairs, NYU Department of Emergency Medicine  
1996-2016: Director, Fellowship in Medical Toxicology, New York University School of Medicine and New York City Poison Control Center  
1996-2016: Associate Medical Director, New York City Poison Control Center, Bureau of Laboratories, New York City Department of Health  
1993-2016: Attending Physician, Department of Emergency Medicine, Bellevue Hospital Center, New York University Langone Medical Center, and New York Harbor Healthcare System (Manhattan VA)  
2006-2012: Director of Education, NYU Department of Emergency Medicine

**CERTIFICATION**

American Board of Emergency Medicine, #930224; expires 12/31/2021  
Medical Toxicology Sub-board (via ABEM), #930224; expires 12/31/2021  
American Board of Addiction Medicine; #634014; expires 12/31/2024

American Board of Preventive Medicine (Addiction Medicine) #61-3180; expires 12/31/2028

New York State Medical License, #182629

New Jersey State Medical License, # 25MA09923400

#### **PROFESSIONAL SOCIETIES**

American Academy of Clinical Toxicology (Fellow, 2006)  
American Academy of Emergency Medicine (Fellow, 2016)  
American Association of Poison Control Centers  
American College of Emergency Physicians (Fellow, 1998)  
American College of Medical Toxicology (Fellow, 2001)  
American Medical Association  
American Society of Addiction Medicine (Fellow, 2016)  
Asian Pacific Association of Medical Toxicology  
European Association of Poison Centers and Clinical Toxicology  
Society for Academic Emergency Medicine  
Society of Toxicology

#### **CURRENT/RECENT PROFESSIONAL ACTIVITIES**

American College of Academic Addiction Medicine (ACAAM) (formerly Addiction Medicine Foundation)  
Workforce Development in Addiction Medicine Training, White House Symposium. June 2019  
ADePT (practice exam) Item Writing and Review Committee, 2018-2019  
Addiction Medicine Fellowship Director Committee, 2018-present  
American Association of Poison Control Centers (AAPCC)  
Ethics Committee, Chair, 2012-present  
National Media Subject Matter Expert, 2000-present  
Medical Director Committee, 1997-present  
American Board of Addiction Medicine / ABAM Foundation  
Addiction Medicine Training, White House Symposium. Sept 2015  
American Board of Emergency Medicine (ABEM)  
Board of Directors, Member, 2013-present  
Qualifying Examination, Editor (2016-present); Co-editor (2013-2016)  
Liaison to Medical Toxicology Subboard, 2013-present  
Oral Board Examiner, 2007-present  
Item Writer, Emergency Medicine Written Examination, 2010-present  
Accreditation Council for Continuing Medical Education (ACCME)  
Board of Directors: 2017-present  
Accreditation Council for Graduate Medical Education (ACGME)  
Addiction Medicine Milestones Working Group, 2017-2018  
Program Committee to Develop ACGME Program Requirements, 2015-2016  
American College of Emergency Physicians (ACEP)  
ED Pain Management and Addiction Accreditation Task Force. 2018-  
Improving Access to Quality Pain Care Workgroup, Academy of Integrative Pain Management.  
Unscheduled Procedural Sedation Guideline Development Panel (AACEM). 2018-present  
E-QUAL Opioid Management Learning Collaborative Steering Committee, 2017-present  
Clinical Policy Subcommittee, 2017-present  
Task Force on Pain Management for Acute Pain, Expert Panel, 2016  
Naloxone Joint Policy Development working group, 2015

Assistant Secretary for Preparation and Response (ASPR) Increasing Transparency of Hospital Acute Care Capabilities, Expert Panel, 2015

Opioid Guideline Writing Panel, Clinical Policy Committee. Clinical Policy: Critical Issues in the Prescribing of Opioids for Adult Patients in the Emergency Department. Funded under contract 200-2011-M-38670 with the Centers for Disease Control and Prevention. 2011-2.

American College of Medical Toxicology (ACMT)

- Board of Directors, 2002-2014
- Immediate Past President. 2012-2014
- President. 2010-2012
- Vice President, 2008-2010
- Treasurer, 2006-2008
- Educational Oversight Committee, 2012-present
- Education Committee, 1998-present
- Chair, 2002-2006
- Leadership Group, 2010-present
- Medical Toxicology Fellowship Directors Committee.
- Chairperson, 1997-1998; 1999-2008
- Member, 1997-2016
- Practice Committee, 2001-present
- Publications Committee, Chair, 2006-present
- Journal of Medical Toxicology, Board Liaison, 2006-2014

American Society of Addiction Medicine (ASAM)

- Alcohol Withdrawal Management Guideline Development Panel, Chair, 2017-present
- Milestones for Fellowship Training Programs Task Force (with ACGME), 2017-18.
- Appropriate Use of Drug Testing in Clinical Addiction Medicine Development Panel, 2017
- Educational Planning Committee for the ASAM Appropriate Use Document, 2017

Association of Academic Chairs in Emergency Medicine

- Executive Committee, Member at Large, 2019-present
- Networking Committee, Chair 2018-present
- Professional Development Workgroup, 2019-present

Centers for Disease Control and Prevention (CDC)

- CDC National Center for Injury Prevention and Control. Developing Death Scene Investigation Tools to Improve Surveillance, Research, and Manner of Death Classification Related to Suspected or Actual Self-Directed Violence. Atlanta, GA, July 31, 2017
- CDC National Center for Injury Prevention and Control. CDC Guideline for Prescribing Opioids for Chronic Pain in the United States. Core Expert Group Member. 2016
- Special Emphasis Panel. Grant 2016/05 ZCE1 EEO (03)1. Research on Prescription Opioid Use, Opioid Prescribing, and Associated Heroin Risk. Atlanta, GA. April 27, 28, 2016
- Speaker Panel for the CDC Guideline for Prescribing Opioids for Chronic Pain. 2016-present.
- CDC National Center for Injury Prevention and Control. Opioid Prescribing Guidelines Core Expert Group (CEG). CDC Opioid Prescribing Guidelines. Atlanta, GA. June 23-24, 2015.
- CDC Division of Violence Prevention. Expert Panel: Suicide, Prescription Drug Overdose (PDO), and Prevention, March 9-10, 2015
- CDC-National Center for Injury Prevention and Control. Special Emphasis Panel. Research on Integration of Injury Prevention in Health Systems. 2013.

Department of Homeland Security (DHS)

- Consultant, 2010-present (Chemical Terrorism Risk Assessment)
- Developing Medical Countermeasures to Rescue Opioid-Induced Respiratory Depression (A Trans-Agency Scientific Meeting). NIAID Conference Center. August 6-7, 2019

Department of Defense. Criteria in Defining Key Performance Attributes for Medical Countermeasures against Opioids. Rapid Opioid Countermeasure Systems (ROCS). White paper. Completed April 2017.

Chemical Defense Program. Five City Unification Meeting: Insights and Lessons Learned from the Chemical Defense Demonstration Projects. March 15-16, 2016. New Orleans, LA.

Office of Health Affairs. Development of Guidance for Medical Countermeasure Administration in Mass Exposure Incidents involving Nerve Agents SME Workshop. January 6, 2016

DHS Office of Health Affairs and Customs and Border Protection. International Collaboration on Medical Evaluation Protocols for Internal Drug Smugglers, Packers, Swallowers, Couriers. 2013.

Food and Drug Administration (FDA)  
Consultant (Special Government Employee), Drug Safety and Risk Management Advisory Committee, 2006-present  
Chair 2011-2012

Greater New York Hospital Association  
GNYHA Opioid Advisory Group, 2017-present

Institute for Clinical and Economic Review (ICER).  
Abuse Deterrent Formulations of Opioids: Effectiveness and Value. Final Evidence Report. Reviewer. March-August 2017.

Medical Toxicology Subboard  
Medical Toxicology Core Content Task Force. 2010-2012. ABEM representative.  
American Board of Emergency Medicine Liaison, 2014-present.

National Association of Medical Examiners.  
Revision of Position Paper on Classification of Opioid-Related Deaths (CDC/CMS Alliance to Modernize Healthcare). May 15, 2019.  
ACMT/NAME Joint Position Statement on Classification of Opioid-Related Deaths. June 25, 2012.

National Institutes of Health (NIH)  
Study Section. Health Services Organization and Delivery (HSOD). Grant review. June 24-25, 2019.  
CounterACT Program, National Institute of Neurologic Disorders and Stroke (NINDS). External Advisory Committee for the Denver CounterACT Research Center of Excellence. June 12, 2017.  
Special Emphasis Panel, Drug Abuse. NIH/NIDA. Grant PAR-16-055. Mechanism for Time-Sensitive Drug Abuse Research (R21). ZDA1 JXR-D (19). December 2016  
Study Section. Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54). PAR-15-146. March 24, 2016  
Study Section. Countermeasures against Chemical Threats (CounterACT). Cooperative Research Projects (U01). PAR-13-208. March 24, 2016  
National Institute of Neurologic Disorders and Stroke (NINDS), CounterACT Program, Steering Committee. 2010-present  
CounterACT Program, National Institute of Neurologic Disorders and Stroke (NINDS), National Institutes of Health. Expert Working Group on Cyanide. 2006-present  
NINDS. 3rd Annual CounterACT Network Research Symposium, Program Review Committee. April 14-16, 2009. Washington DC.

Partnership for a Drug Free New Jersey  
Do No Harm Symposium. Opioid Risks and Solutions. Valley Hospital, Ridgewood, NJ, Oct 18, 2018  
Essex County Knock Out Opioid Abuse Town Hall, Bloomfield, NJ, May 22, 2018  
Do No Harm Symposium: Keeping it Legal and Safe in the Medical Community. Understanding and Addressing the Public Health Epidemic of Opioid Abuse. Morristown, NJ. June 12, 2017.  
Rx Forum. Monmouth University, Monmouth, NJ. April 15, 2016

Rutgers New Jersey Medical School and University Hospital (external to Chair requirements)  
Medication Safety Committee, 2016-present  
Pharmacy and Therapeutics Committee member, 2016-present  
Chair of Neurosurgery Search Committee, 2017

Chief Medical Officer Search Committee, 2017  
Lecturer, UME: Autonomic pharmacology; Opioid pharmacology  
Rutgers Health Group  
Board of Directors, 2016-present  
RHG Operations and Value committee, 2018- present  
Society for Academic Emergency Medicine (SAEM)  
Faculty Development Committee, 2017-18  
Finance Committee, 2017-18  
Program Committee, 2000-2003, 2009-10, 2012-present  
Chair, Premeeting Workshops, 2014-present  
External Collaboration Committee, 2011-2012  
Graduate Medical Education Committee, 1998-2000  
Substance Abuse and Mental Health Services Administration (SAMHSA)  
Technical Assistant (STR-TA), State Targeted Response Technical Assistance Consortium, 2018-  
White House Office of National Drug Control Policy. ONDCP/NIDA/NIAAA/SAMHSA/ABAM/CDC:  
Symposium: Medicine Responds to Addiction. Building a Trained & Certified Workforce (lecture);  
Integrating Addiction Knowledge & Skills into Residency Training & Physician Practice (panel). Sept 18,  
2015.

#### **PREVIOUS PROFESSIONAL ACTIVITIES**

American Association of Poison Control Centers (AAPCC)  
Fatality Review Team, 2007-2011  
Guidelines for the Prehospital Management of Poisonings. Supported in full by Cooperative Agreement 8  
U4B MC 00084-01 between the American Association of Poison Control Centers and the Maternal  
and Child Health Bureau, Health Resources and Services Administration, Department of Human  
Services. November 2004-2009.

American Association of Clinical Toxicology (AACT)  
NACCT Abstract Review Committee, 1997-present; Chairperson, 2004-2006  
Communication and Technology Committee, 2001-2; Chairperson, 2002-2005  
NAACT Program committee, 2004-2006; Chair, 2006-2008  
Advanced Hazmat Life Support (AHLS). Regional Director, Region 10, 2000-2006.

American Board of Emergency Medicine  
Subboard of Medical Toxicology, Member, 2004-2010; Chair, 2008-2010

American College of Emergency Physicians (ACEP)  
Academic Affairs Committee, Member 1999-2001.  
Needs Assessment subcommittee, Website subcommittee, Patient Safety subcommittee

American College of Emergency Physicians, New York State Chapter  
Public Policy Committee, Resident representative 1991-1993.  
Member 1993-2017

American College of Medical Toxicology (ACMT)  
ACMT/American Heart Association Joint Committee on Cardiovascular Toxins, Co-Chairperson 1998-  
2000.  
External Education Initiatives Subcommittee, Chair, 1999-2002.  
Internal Educational Initiatives Subcommittee, 1999-2002

Bellevue Hospital Center  
Care Management Plans, Alcohol Withdrawal Guidelines, 2010

Beth Israel Medical Center  
House Staff Committee  
Emergency Medicine Residency Representative 1990-1992; Chairman 1992-1993.  
Medical Board Resident Representative, 1992-1993.

Joint Conference Committee, 1992-1993.

Centers for Disease Control and Prevention  
Agency for Toxic Substances and Disease Registry (ATSDR) / Centers for Disease Control and Prevention (CDC). Consultant, Assessment of Vulnerability to Chemical Disasters. April 1, 2003.

Emergency Medicine Residents Committee of New York State  
Founding member 1990-1992  
Chairman 1992-1993.

Institute of Medicine  
Institute of Medicine/National Academy of Science. Proposal for the Evaluation of Dietary Supplements. October 4, 2002.

National Research Council/The National Academies.  
Principles of Building Protection from Biological and Chemical Releases: A Framework for Decision Making. April 2007.  
Review of Report: Evaluation of Chemical Events at Army Chemical Agent Disposal Facilities (DEPS-BAST-J-00-05-A). August 13, 2002.  
Review of Report: Protecting Building Occupants from Biological and Chemical Airborne Threats: A Framework for Decision Making. July 2007.

New York Botanical Gardens, Bronx, NY  
Consultant, Poisonous Plants, 2000-present  
Advisory Committee, Wild Medicine, Medicinal plants exhibit, 2013.

New York City Department of Health  
Pharmacy Oversight Committee, 1996-2002.

New York City Emergency Medical Services  
Hyperbaric Committee, 1994-2000.  
Specialty Referral Center Committee, 1994-2000.

New York City Mayor's Office of Operations  
Chemical Terrorism Task Force, 1996-2006.

New York State Department of Health  
Prescription Drug Task Force, I-STOP (Prescription Monitoring Program) implementation, 2012-present  
New York Patient Occurrence and Tracking System (NYPORTS) Medication Errors Expert Panel, 2002-2008.

United States Pharmacopoeia (USP)  
Convention Member representing New York University School of Medicine, 2005-2015.  
Council of Experts, Clinical Toxicology Information Expert Committee, 2005-2010.  
Critical Care and Emergency Medicine Expert Committee, 2000-2005

Yale University/Yale-New Haven Hospital  
Conscious Sedation Committee, 1995-1996.  
Asthma Management Continuing Quality Improvement Committee, 1995-1996.  
Asthma Clinical Pathway Development Committee, 1995-1996.  
Congestive Heart Failure Clinical Pathway Development Committee, 1995-1996.

**PREVIOUS PROFESSIONAL ACTIVITIES: NEW YORK UNIVERSITY**

NYU Department of Emergency Medicine  
Senior Executive Leadership Council, 2012-2016  
Educational Leadership Committee, Chair, 2006-2104  
Executive Research Council, 2002-2016  
Leadership Committee, 2006-2016

NYU Langone Medical Center  
Medication Safety Committee, Chair, 2005-2016  
Pain Management Steering Committee, 2013-2016

Pharmacy and Therapeutics Committee, 1996-present, Co-chair, 2006-2010, Chair, 2010-2014  
Quality Improvement Committee, 2006-2016  
Medical Board, 2008-2014  
ICIS Clinical Advisory Committee, 2005-2011  
Mortality Oversight Committee, 2005-2007.  
Medication Management Liaison Committee, Co-chair, 2006-2008  
Alternative Medicines Subcommittee, 1997-2004

#### NYU School of Medicine

Data Safety Monitoring Board. Department of Psychiatry. A Randomized, Double-Blinded Controlled Trial of An N-Methyl-D-Aspartate Antagonist as a Rapidly-Acting Anti-Depressant in Depressed Emergency Department Patients. PI: Ross, 2014-2016  
Ph.D. Candidate Thesis Committee. Department of Population Health. I-Hsin Lin, PhD. Trace and Major Elements in Autopsy Tissues from World Trade Center Health Registry Enrollees and New York City Community Controls. 2014-2016.  
New York Simulation Center (NYSIM) Advisory Council, 2012-2016  
Graduate Medical Education Committee, 1996-present  
Postgraduate Medical School (CME) Advisory Committee, 1999-2016  
Post Graduate Medical School Strategic Planning Committee, 2012-2016  
Curriculum for the 21<sup>st</sup> Century, 2008-2009  
Chair, Task Force to Evaluate the 2+2 Curriculum  
Curriculum for the 21<sup>st</sup> Century, 2009-2010, Content Committee  
Interviewer for Incoming Medical Students, 2008-2011

#### NYU School of Medicine Didactic Education

Director, Medical Toxicology Elective. NYU and visiting students and NYU and visiting residents and fellows. 1996-2016.  
Lecturer, Second-year medical student Pharmacology Course: Autonomic Pharmacology. 1996-2016  
Lecturer, Second-year medical student Pharmacology Course. Opioid Pharmacology (1996-2004) and Medical Toxicology. 1996-2016  
Organizer/Leader, Second-year medical student Pharmacology Course: Autonomic Pharmacology Simulation. 2004-2016  
Organizer/Leader, Second-year medical student Pharmacology Course: Autonomic Pharmacology Workshop. 1996-present  
Lecturer, Advanced Science Seminars (Second-year transitional selectives).  
Mechanisms of Toxicity (Emergency Medicine), 2006-2010  
Pain management (with Thalia Segal, M.D., Pain Management), 2000-2007  
Drugs of Abuse (Emergency Medicine), 2000-2005  
Lecturer, First-year medical student Biochemistry Course, New York University: Case-based discussions, 1998-2002

#### **LEADERSHIP TRAINING**

Rutgers Biomedical and Health Sciences. Academic Leadership Program. 2018-19  
Association of American Medical Colleges (AAMC): Organizational Leadership in Academic Medicine for New Associate Deans and Department Chairs. 2017  
Society for Academic Emergency Medicine. Chair Development Program. 2017-2018  
New York University. Physician Leader Development Program. 2014.

#### **AWARDS**

New Jersey Medical School, Faculty Organization, Faculty of the Year, 2018  
Peter & Eva Safar Annual Lectureship in Medical Sciences Humanities. University of Pittsburgh, 2018.

Matthew J. Ellenhorn Career Achievement Award, American College of Medical Toxicology, 2018  
Golden Apple Teaching Award (nominee), New Jersey Medical School, 2018  
Outstanding Contribution, Academic Network of International Scientific Collaboration, Honorary Member. Universidad de Antioquia, School of Medicine, Medellin, Colombia. 2015  
Outstanding Service to the College, American College of Medical Toxicology, 2015  
Teaching Award for Medical Toxicology Elective, University of Manitoba, 2010  
Service Award, American Academy of Clinical Toxicology, 2008  
Outstanding Reviewer, Annals of Internal Medicine, 2008  
Outstanding Reviewer, Academic Emergency Medicine, 2007  
Outstanding Contribution to Medical Toxicology Education, American College of Medical Toxicology 2007  
Top Consultant, Annals of Emergency Medicine 1997, 1998, 2000, 2001, 2002, 2003, 2005, 2006  
Academic Attending of the Year, 2006, New York University Emergency Medicine Residency

#### **EDITORIAL POSITIONS, JOURNALS**

Annals of Emergency Medicine  
Associate Editor, 2014-present  
Editorial Board, 2007-2014  
Decision Editor, 2006-2007  
Emergency Medicine (defunct 2018)  
Editorial Board, 2006-2018  
Journal of Medical Toxicology  
Editorial Board, 2012-present  
American College of Medical Toxicology Board Liaison. 2006-present.  
Guest Editor  
Special Issue. Forensic Toxicology of Drug Abuse. January 2017  
Special Issue. Prescription Opioid Epidemic. December 2012.  
EM Practice Guidelines, Editorial Board, 2009-2014  
Poisindex, Micromedex, Inc. Editorial Board, 1996-2006

#### **REVIEWER, JOURNALS**

Academic Emergency Medicine  
American Family Physician  
American Journal of Emergency Medicine  
Annals of Emergency Medicine  
Annals of Internal Medicine  
Archives of Diseases in Childhood  
Asia Pacific Journal of Medical Toxicology  
Canadian Medical Association Journal (CMAJ)  
Clinical Toxicology  
Critical Care Medicine  
European Journal of Emergency Medicine  
Intensive Care Medicine  
Journal of the American Medical Association (JAMA)  
JAMA Internal Medicine  
Journal of Emergency Medicine  
Journal of Medical Toxicology  
Journal of Pediatrics  
New England Journal of Medicine  
Neuropharmacology



Pediatrics  
Toxicology Letters

### **Reviewer, Abstracts**

- 2013 Asia Pacific Association of Medical Toxicology Congress, Dubai
- 2013 American College of Medical Toxicology Annual Scientific Meeting, San Juan, PR
- 2012 Asia Pacific Association of Medical Toxicology Congress, Hong Kong
- 2012 European Association of Poison Centres and Clinical Toxicologists, International Congress, London, England
- 2011 European Association of Poison Centres and Clinical Toxicologists, International Congress, Dubrovnik, Croatia
- 2010 European Association of Poison Centres and Clinical Toxicologists, International Congress, Bordeaux, France
- 2009 Asia Pacific Association of Medical Toxicology Congress, Chandigarh, India.
- 2007 North American Congress of Clinical Toxicology, New Orleans, LA.
- Abstract Review Chair, 2006 North American Congress of Clinical Toxicology, San Francisco, CA.
- Abstract Review Chair, 2005 North American Congress of Clinical Toxicology, Orlando, FL.
- 2004 North American Congress of Clinical Toxicology, Seattle, WA.
- 2003 North American Congress of Clinical Toxicology, Chicago, IL.
- 2002 North American Congress of Clinical Toxicology, Palm Springs, CA.
- 2002 Society for Academic Emergency Medicine, St. Louis.
- 2001 North American Congress of Clinical Toxicology, Montreal.
- 2001 European Association of Poison Centres and Clinical Toxicologists, International Congress Barcelona, Spain.
- 2000 North American Congress of Clinical Toxicology, Tucson.
- 1999 North American Congress of Clinical Toxicology, San Diego.
- 1998 North American Congress of Clinical Toxicology, Orlando.

### **PUBLICATIONS**

#### **TEXTBOOKS**

##### *Pending editions:*

Nelson LS, Balick MJ. Handbook of Poisonous and Injurious Plants, 2nd Edition. Springer/New York Botanical Garden. New York, NY. 2018 (ISBN-13: 978-)

##### *Current editions:*

Nelson LS, Howland MA, Lewin N, Smith SW, Goldfrank LR, Hoffman RS. Goldfrank's Toxicologic Emergencies, 11<sup>th</sup> Edition. McGraw-Hill. New York, NY. 2019. (ISBN-13: 978-1259859618)

Strayer R, Motov S, Nelson LS (Eds.), Management of Pain and Procedural Sedation in Acute Care. 2016-2019. [e-book] <http://painandpsa.org>

Nelson LS, Shih RD, Balick MJ. Handbook of Poisonous and Injurious Plants. Springer/New York Botanical Garden. New York, NY. 2007 (ISBN-13: 978-0387312682)

##### *Prior editions:*

Hoffman RS, Howland MA, Lewin N, Nelson LS, Goldfrank LR. Goldfrank's Toxicologic Emergencies, 10th Edition. McGraw-Hill. New York, NY. 2015. (ISBN-13: 978-0071801843)

Nelson LS, Lewin N, Howland MA, Hoffman RS, Goldfrank LR, Flomenbaum NE. Goldfrank's Toxicologic Emergencies, 9th Edition. McGraw-Hill. New York, NY. 2010. (ISBN-13: 978-0071605939)

Hoffman RS, Nelson LS, Howland MA, Lewin NA, Flomenbaum NE, Goldfrank LR. Goldfrank's Manual of Toxicologic Emergencies. McGraw-Hill, New York, NY 2007 (ISBN-13: 978-0071443104)

Flomenbaum NE, Goldfrank LR, Hoffman RS, Howland MA, Lewin N, Nelson LS. Goldfrank's Toxicologic Emergencies, 8th Edition. McGraw-Hill. New York, NY. 2006. (ISBN-13: 978-0071479141)  
Goldfrank LR, Flomenbaum NE, Lewin N, Howland MA, Hoffman RS, Nelson LS. Goldfrank's Toxicologic Emergencies, 7th Edition. McGraw-Hill. New York, NY. 2002. (ISBN-13: 978-0071360012)

#### PEER REVIEWED JOURNALS

1. Marino R, Perrone J, Nelson LS, Wiegand TJ, Schwarz ES, Wax PM, Stolbach AI. ACMT Position Statement: Remove the Waiver Requirement for Prescribing Buprenorphine for Opioid Use Disorder. *J Med Toxicol*. 2019. [Epub ahead of print] PMID: 31414402
2. Palamar JJ, Acosta P, Le A, Cleland CM, Nelson LS. Adverse drug-related effects among electronic dance music party attendees. *Int J Drug Policy*. 2019 Jul 23;73:81-87. PMID: 31349134
3. Strayer RJ, Herring AA, Nelson LS. Balancing Benefits and Harms on the Frontier of Buprenorphine Initiation. *Ann Emerg Med*. 019 Sep;74(3):433-435. PMID: 31229393
4. Hassanian-Moghaddam H, Zamani N, Roberts DM, Brent J, McMartin K, Aaron C, Eddleston M, Dargan PI, Olson K, Nelson L, Bhalla A, Hantson P, Jacobsen D, Megarbane B, Balali-Mood M, Buckley NA, Zakharov S, Paasma R, Jarwani B, Mirafzal A, Salek T, Hovda KE. Consensus statements on the approach to patients in a methanol poisoning outbreak. *Clin Toxicol (Phila)*. 2019 Jul 22:1-8. [Epub ahead of print] PMID: 31328583
5. Eggleston W, Stoppacher R, Suen K, Marraffa JM, Nelson LS. Kratom Use and Toxicities in the United States. *Pharmacotherapy*. 2019 Jul;39(7):775-777. PMID: 31099038
6. Wax PM, Stolbach AI, Schwarz ES, Warrick BJ, Wiegand TJ, Nelson LS. ACMT Position Statement: Buprenorphine Administration in the Emergency Department. *J Med Toxicol*. 2019 Jul;15(3):215-216. PMID: 31087272
7. Hassanian-Moghaddam H, Zamani N, Roberts DM, Brent J, McMartin K, Aaron C, Eddleston M, Dargan PI, Olson K, Nelson L, Bhalla A, Hantson P, Jacobsen D, Megarbane B, Balali-Mood M, Buckley NA, Zakharov S, Paasma R, Jarwani B, Mirafzal A, Salek T, Hovda KE. Consensus statements on the approach to patients in a methanol poisoning outbreak. *Clin Toxicol (Phila)*. 2019 Jul 22:1-8. PMID: 31328583
8. Yu C, Eustaquio N, Calello DP, Ruck BE, Nelson LS, Santos C. Bismuth Subsalicylate Coagulopathy in a Patient with Chronic Liver Disease. *J Med Toxicol*. 2019 Jul;15(3):198-201. PMID: 31062178 Add to
9. Green SM, Roback MG, Krauss BS, Miner JR, Schneider S, Kivela PD, Nelson LS, Chumpitazi CE, Fisher JD, Gesek D, Jackson B, Kamat P, Kowalenko T, Lewis B, Papo M, Phillips D, Ruff S, Runde D, Tobin T, Vafaie N, Vargo J 2nd, Walser E, Yealy DM, O'Connor RE. *Unscheduled Procedural Sedation: A Multidisciplinary Consensus Practice Guideline*. *Ann Emerg Med*. 2019 May;73(5):e51-e65. PMID: 31029297
10. Herring AA, Perrone J, Nelson LS. Managing Opioid Withdrawal in the Emergency Department With Buprenorphine. *Ann Emerg Med*. 2019 May;73(5):481-487 PMID: 30616926
11. Nelson LS, Keim SM, Beeson MS, Chudnofsky CR, Gausche-Hill M, Gorgas DL, Goyal DG, Kowalenko T, Muelleman RL; Research Committee, American Board of Emergency Medicine, Joldersma KB, Johnston MM; American Board of Emergency Medicine. American Board of Emergency Medicine Report on Residency and Fellowship Training Information (2018-2019). *Ann Emerg Med*. 2019 May;73(5):524-541. PMID: 31029288
12. Amirshahi MM, Moss MJ, Smith SW, Nelson LS, Stolbach AI. ACMT Position Statement: Addressing Pediatric Cannabis Exposure. *J Med Toxicol*. 2019 Jul;15(3):212-214. PMID: 30945126
13. Perrone J, Weiner SG, Nelson LS. Stewarding Recovery from the Opioid Crisis Through Health System Initiatives. *West J Emerg Med*. 2019 Mar;20(2):198-202. PMID: 30881536
14. Lozo KW, Nelson LS, Ramdin C, Calello DP. Naloxone Deserts in NJ Cities: Sociodemographic Factors Which May Impact Retail Pharmacy Naloxone Availability. *J Med Toxicol*. 2019 Apr;15(2):108-111. PMID: 30805884

15. Nelson LS. Are abuse-deterrent opioid formulations all they are crushed up to be? *Addiction*. 2019 Mar;114(3):401-402. PMID: 30397972
16. Lee VR, Vera A, Alexander A, Ruck B, Nelson LS, Wax P, Campleman S, Brent J, Calello DP. Loperamide misuse to avoid opioid withdrawal and to achieve a euphoric effect: high doses and high risk. *Clin Toxicol (Phila)*. 2019 Mar;57(3):175-180. PMID: 30585509
17. Clarke DL, Drobatz KJ, Korzekwa C, Nelson LS, Perrone J. Trends in Opioid Prescribing and Dispensing by Veterinarians in Pennsylvania. *JAMA Netw Open*. 2019 Jan 4;2(1):e186950. PMID: 30646207
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*[Chapters prior to 2005 available by request (#39)]*

## **GRANTS RECEIVED**

### *Current*

Substance Abuse and Mental Health Services Administration 9/30/19-9/29/21 \$500,000  
 Frontline: Training Emergency Medicine Residents and Medical Toxicology Fellows to Effectively Screen, Assess, and Treat Patients with Substance Use Disorder. American College of Medical Toxicology. Grant 1H79FG000005-01

Centers for Disease Control and Prevention 6/15/2018-6/15/2020 10% salary support  
 Intergovernmental Personnel Act Agreement 18IPA1806113  
 IPA to provide expertise in medical toxicology and emergency medicine regarding opioid addiction, overdose, and treatment as well as pain management. Assist with clinician-oriented translational and training material, and provide a clinical perspective on pain management and toxicology.

Substance Abuse and Mental Health Services Administration 2/28/19-2/27/22 \$1,564,554  
 Opioid Peer Emergency Navigation to Accessing Comprehensive Care and Engaging Specialized Services (OPEN ACCESS). The grant will support and study the effects of implementing screening, harm reduction, and treatment approaches for patients with opioid use disorder (OUD) at the University Hospital of Newark Emergency Department. Grant 1H79TI081510-01

### *Completed*

Medical Toxicology Foundation 7/1/15-6/30/16 \$5000  
 Principle Investigator  
 2015 Drug Abuse Prevention Award



Helping Enhance Targeted Opioid Harm Reduction Efforts Through Erowid. Joint effort with Erowid website (erowid.org) to study the demographics and knowledge of visitors seeking opioid information. Develop messaging for safe opioid use/harm reduction and study the optimal means of displaying the information.

Centers for Disease Control and Prevention 12/31/2011 \$10,000

Co-Awardee, Contract number 00HCUD3-2011-99784.

Recommendations for the Investigation, Diagnosis, and Certification of Deaths Related to Opioid Drugs. Development of an expert review panel to improve consistency and accuracy of death determination among opioid using decedents.

Lead Investigator 10/30/04-12/31/09 \$2,447,000

Department of Homeland Security

Sponsoring Organization: New York University, Center for Catastrophe, Preparedness and Response (CCPR).

Large Scale Emergency Readiness (LaSER) Disaster Research: The goal of the grant is to develop a public based computer simulation, an inter/multi-disciplinary effort to assess and develop new disaster large-scale emergency readiness research and protocols.

Lead Investigator 10/30/07-11/31/09 \$1,600,000

Department of Defense

Sponsoring Organization: Telemedicine & Advance Technology Research Center (TATRC)

Agents of Opportunity: The goal of the grant is to develop a public based computer simulation, an inter/multi-disciplinary effort to assess and develop new disaster large scale emergency readiness research and protocols specific to hospital related disasters.

Lead Investigator 1/1/07-12/31/08 \$1,000,000

Department of Defense

Sponsoring Organization: New York University, Center for Catastrophe, Preparedness and Response (CCPR).

Large Scale Emergency Readiness: Pandemic Influenza: The goal of the grant is to develop a public based computer simulation, an inter/multi-disciplinary effort to assess and develop new disaster large-scale emergency readiness research and protocols specific to Pandemic Influenza.

#### **ABSTRACT (POSTER/PLATFORM) PRESENTATIONS AT SCIENTIFIC MEETINGS**

##### **XXXIX International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Naples, Italy, May 2019.**

Hassanian-Moghaddam H, Zamani N, Roberts D, Nelson LS. A consensus statement on the management of patients in outbreaks of methanol poisoning.

##### **American College of Medical Toxicology. Annual Scientific Meeting. San Francisco, CA. March 2019.**

Mozeika A, Nelson LS, Calello DC. Opioid-associated Hearing Loss: a 20-year Review from the NJ Poison Center.

Phenibut Exposures Reported to New Jersey Poison Control Center

##### **Society for Academic Emergency Medicine. Indianapolis, IN. May 2018.**

Mazer-Amirshahi MA, Koroshetz L, Soars R, Kuman A, Calello, Perrone J, Nelson LS. Emergency Department Patient Perceptions of the Efficacy and Safety of Opioid Analgesics

**American College of Medical Toxicology. Annual Scientific Meeting. Washington, D.C. March 2018.**

Fox L, Nelson LS, Ruck B, Santos C, Calello D. Occupational fentanyl exposures reported to the American Association of Poison Control Centers National Poison Data System.

Lozo K, Calello D, Nelson LS. Narcan<sup>®</sup>: Sociodemographic factors in retail pharmacy naloxone availability.

Mazer-Amirshahi MA, Koroshetz L, Soars R, Kuman A, Calello, Perrone J, Nelson LS. Emergency Department Patient Perceptions of the Efficacy and Safety of Opioid Analgesics

Mudan A, Wightman R, Jang D, Nelson LS, Perrone J. A review of cyanide poisoning deaths in the fatality reviews of the NPDS annual report.

Sahi N, Santos C, Calello D, Ruck B, Fox L, Nelson LS. Lope aint dope: Loperamide abuse and the Internet.

Santos C, Garcia E, Kazzi Z, Calello, Ericson B, Nelson LS. Characterization of toxic sites in low and middle income countries: Need for improved medical surveillance.

Yu C, Eustaquio N, Santos C, Calello D, Fox L, Ruck B, Nelson LS. Bismuth Subsalicylate Coagulopathy in a Patient with Chronic Liver Disease.

**North American Congress of Clinical Toxicology. Vancouver, BC. October 2017**

Lee V, Vera A, Calello D, Ruck B, Nelson LS, Campleman S, Wax P Brent J. Loperamide misuse to avoid opioid withdrawal: high doses, high risk. Clin Toxicol 2017;55:94

**North American Congress of Clinical Toxicology. Boston, MA. October 2016**

Riggan MA, Chen C, Wightman RS, Howland MA, Nelson LS, Hoffman RS, Su M. Fatality Following Cantharidin Ingestion As Treatment For Gastric Cancer. Clin Toxicol 2016;54:666

Wightman RS, Su M, Henretig F, Marcus S, Nelson LS, Markowitz M. Neonatal lead poisoning treated with chelation. Clin Toxicol 2016;54:679

**The College on Problems of Drug Dependence (CPDD). Palm Springs, CA. June 2016**

Hawk K, Weiner S, Dziura J, Feillin DA, DaEun D, Nelson L, Hoppe J, Perrone J, D'Onofrio G. Prescribing opioids safely in the emergency department study: Predictors of emergency department discharge with high morphine milligram equivalent prescription. Drug Alc Depend 171 (2017) e86

**XXXVI International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Madrid, Spain, May 2016**

Fernandez D, Hammer J, DeOlano J, Nelson LS, Hoffman RS, Su MK. A synthetic cannabinoid receptor agonist (AB-FUBINACA)-associated fatality. Clin Toxicol 2016;54:408

Fox LM, Biary R, Hoffman RS, Howland MA, Nelson LS, Smith SW. Co-administration of methadone and ondansetron associated with torsades de pointes. Clin Toxicol 2016;54:408

Wightman RS, Kunzler N, Nelson LS. Precipitated opioid withdrawal from naltrexone injection. Clin Toxicol 2016;54:408

Riggan MA, Howland MA, Hines EQ, Goldfarb DS, Nelson LS. Acute iatrogenic parenteral vancomycin overdose and associated nephrotoxicity: a case report. Clin Toxicol 2016;54:444

Replinger DJ, Hernandez SH, Hoffman RS, Hines EQ, Su MK, Nelson LS. Unique histopathology in severe iron toxicity treated with liver transplantation. Clin Toxicol 2016;54:492.

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**Society for Academic Emergency Medicine. New Orleans, LA, May 2016.**

Mazer-Amirshahi MA, Mullins PM, Perrone J, Nelson LS, Pines JM. Emergency department utilization for poisoning related visits. Abstract 341.

Hawk K, D'Onofrio G, Dziura J, Fiellin D, Hoppe J, Nelson L, Perrone J, Weiner S. Predictors of emergency department discharge with an opioid prescription: Prescribing opioids safely from the ED (POSED) study. Abstract 100

**American College of Medical Toxicology. Annual Scientific Meeting. Huntington Beach, CA. March 2016.**

- RS Wightman RS, Erowid F, Erowid F, J Perrone, ZF Meisel ZF, Nelson LS. Comparative Analysis of Trends in Opioid Queries on the Erowid Website 2009–2015. *J Med Toxicol* 2016;12:7
- RS Wightman RS, Erowid F, Erowid F, J Perrone, ZF Meisel ZF, Nelson LS. Relative Frequency of Unique Opioid Page Visits Versus Heroin on Erowid.org *J Med Toxicol* 2016;12:7
- Mazer-Amirshahi M, Mullin PM, Perrone JM, Nelson LS, Pines JM. Trends in Emergency Department Utilization for Poisoning-Related Visits, 2003–2011. *J Med Toxicol* 2016;12:21
- Fernandez D, Nelson LS, Replinger DJ, Smith SW, On Behalf of the Toxicology Investigator's Consortium (Toxic). Metformin Intentional Overdose and its Association with Metabolic Acidosis and Elevated Lactate—As Reported by Toxicologists. *J Med Toxicol* 2016;12:31
- Fernandez D, Prudhomme J, Nelson LS, Hoffman RS, Moran JH, Su MK. The “K2” Epidemic: Preliminary Results of a Health Department's Synthetic Cannabinoid Receptor Agonist (SCRA) Surveillance Project. *J Med Toxicol* 2016;12:32

**North American Congress of Clinical Toxicology. San Francisco, CA. October 2015**

- Replinger, Daniel J; Hoffman, Robert S; Nelson, Lewis S; Hines, Elizabeth Q; Howland, Mary Ann; Su, Mark K. 'Acute Rivaroxaban Overdose with Whole Blood Concentrations'. *Clin Tox* 2015 53(7):699
- Replinger, Daniel J; Hoffman, Robert S; Nelson, Lewis S; Fernandez, Denise; Su, Mark K. 'Pseudo-hyperchloremia with sodium bromide use still a problem'. *Clin Tox* 2015 53(7):674
- Nguyen, Vincent; Hoffman, Robert S; Howland, Mary Ann; Su, Mark K; Nelson, Lewis S. 'The real rat race: Treating a brodifacoum poisoning for 9 months'. *Clin Tox* 2015 53(7):711
- Hines, Elizabeth Q; Nelson, Lewis S; Replinger, Daniel J; Stevens, Martha W; Anders, Jennifer F. 'High-Dose versus Low-Dose Naloxone for Treatment of Presumed Opioid Intoxication in Pediatric Patients'. *Clin Tox* 2015 53(7):765
- Fernandez, Denise; Lamberta, Michael; Hines, Elizabeth Q; Touger, Michael; Nelson, Lewis S. 'North Pacific Rattlesnake (*Crotalus oreganus*) envenomation leads to ocular destruction and systemic toxicity'. *Clin Tox* 2015 53(7):669

**XXXV International Congress of the European Association of Poisons Centres and Clinical Toxicologists. St. Julian's, Malta. May 2015**

- Chary M, Genes N, Giraud-Carrier C, Hanson C, Nelson LS, Manini AF. Estimating nonmedical use of prescription opioids in the United States from social media (301)
- Nguyen V, Lucyk SN, Howland MA, Su MK, Nelson LS. Too bad to be true? Osmol gap >300 mOsm/L (139)

**Society for Academic Emergency Medicine. San Diego, CA, May 2015.**

- Pomerleau AC, Perrone J, Nelson LS. When the Doctor is the Patient: ED Clinicians Self Reported Therapeutic Use of Opioid Analgesics. Abstract 649.
- Mazer-Amirshahi MA, Mullins P, Perrone J, Nelson LS, Trends in Outpatient Benzodiazepine Prescribing, 2005-10. Abstract 677. Platform.
- Hoppe JA, Perrone J, Nelson LS, Thundiyil JG, Weiner SG. Opioid Analgesic Prescribing in a Consortium of 19 U.S. Emergency Departments. Abstract 92. Platform.
- Mazer-Amirshahi MA, Hawley K, Fox E, Zocchi M, Pines J, Nelson LS. Drug Shortages: Implications for Medical Toxicology. Abstract 207.

**American College of Medical Toxicology. Annual Scientific Meeting. Clearwater, FL. March 2015.**

- Mazer-Amirshahi ME, Mullins PM, Perrone J, Nelson LS. Utilization Patterns of Carisoprodol in Ambulatory Care and Emergency Departments, 2001–2010
- Hoppe JA, Perrone J, Weiner SG, Thundiyil JG, Iwanicki J, Nelson LS. Risk Factors Associated with Opioid Analgesic Prescribing in a Cross-Section of Nineteen U.S. Emergency Departments

Mazer-Amirshahi ME, D’Orazio JD, Mullins PM, Nelson LS, Perrone J. Ambulatory Care and Emergency Department Prescribing Practices Do Not Account for Gender Differences in Opioid Analgesic-Related Deaths.

Chary M, Genes N, Giraud-Carrier C, Hanson C, Nelson LS, Manini AF. Estimating Nonmedical Use of Prescription Opioids in the United States from Social Media.

Mazer-Amirshahi ME, Mullins PM, Perrone J, Nelson LS. Trends in Outpatient Benzodiazepine Prescribing, 2005–2010

Laskowski LK, Henesch JA, Hoffman RS, Nelson LS, Smith SW. Start Me Up! Recurrent Defibrillations in Refractory Ventricular Tachydysrhythmias Following Intentional Caffeine Powder and Pill Ingestion  
Nguyen V, Lucyk S, Nelson LS, Su MK. #Music&Drugs+Tweets: How #Drugs and #Alcohol Are Being Talked About @ Music Festivals

Pomerleau AC, Nelson LS, Perrone J. “Doc, Can I Have Something Stronger?” ED Prescribers’ Perspectives and Practices Concerning Opioid Prescribing

#### **North American Congress of Clinical Toxicology. New Orleans, LA. October 2014**

Mazer-Amirshahi M, Dorazio J, Mullins P, van den Anker J, Perrone J, Nelson LS. Concomitant use of opioid analgesics and benzodiazepines in U.S. ambulatory clinics and emergency departments. *Clin Tox* 2014;52:704.

Laskowski LK, Calvo J, Exantus-Bernard G, Fong J, Poklis JL, Poklis A, Nelson LS. NBOMes lost in translation: What you see is not what you get. *Clin Tox* 2014;52:714.

Nguyen V, Laskowski L, Nelson LS. Death and Taxus: A case of hypotension, bradycardia, and dysrhythmias from yew berry ingestion. *Clin Tox* 2014;52:740.

Fernandez D, Biary R, Golden D, Clark S, Nelson LS, Smith SW, Rao RB. Provider knowledge, attitudes, and practice surrounding emergency department rescue dosing of opioid replacement therapy. *Clin Tox* 2014;52:786.

Biary R, Oh A, Lapoint J, Nelson LS, Hoffman RS, Howland MA. Topical capsaicin cream used as a therapy for cannabinoid hyperemesis syndrome. *Clin Tox* 2014;52:787.

Biary R, Kremer A, Sauthoff H, Nelson LS, Goldfarb D, Hoffman RS, Howland MA. Falsely elevated salicylate level in a patient with hypertriglyceridemia. *Clin Tox* 2014;52:790.

Lucyk SN, Nelson LS, Hoffman RS, Howland MA, Su M. Ingestion of compounded ointment leading to significant toxicity in a child. *Clin Tox* 2014;52:801.

#### **Society for Academic Emergency Medicine. Dallas TX, May 2014.**

Mazer-Amirshahi M, Perrone J, Pines J, Mullins P, Nelson LS. Trends in Opioid Prescribing in U.S. Emergency Departments Based on Provider Level of Training

Mazer-Amirshahi M, Pines J, Perrone J, Nelson LS. Trends in Opioid Prescribing for Acute Headache in U.S. Emergency Departments

Mazer-Amirshahi M, Mullins P, Pines J, Nelson LS, Perrone J. Trends in Opioid Analgesic Prescribing in U.S. Emergency Departments for Low-Acuity Visits

Nagel F, Kattan J, Paone D, Mantha S, Nelson LS. Qualitative Evaluation of the New York City Emergency Department Discharge Opioid Prescribing Guidelines.

#### **XXXIV International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Brussels, Belgium. May 2014**

Laskowski LK, Want C, Howland MA, Hoffman RS, Nelson LS. Rivastigmine toxicity safely treated with pralidoxime without atropine. *Clinical Toxicology* (2014)

Biary R, Nelson LS, Hoffman RS, Lugassy D. Hydroxocobalamin administration falsely lowers carboxyhemoglobin determination. *Clinical Toxicology* (2014)

Lucyk SN, Hernandez SH, Nelson LS. A case report of exogenous human chorionic gonadotropin use leading to laparoscopy to exclude ectopic pregnancy. *Clinical Toxicology* (2014)

- Nguyen V, Hoffman RS, Nelson LS. Chlorine dioxide from a dietary supplement causing hemolytic anemia. *Clinical Toxicology* (2014)
- Connors NJ, Nelson LS, Hoffman RS, Su MK. Neonatal medication errors reported to a poison control center. *Clinical Toxicology* (2014)
- Connors NJ, Marn R, Howland MA, Nelson LS, Hoffman RS. Toxicokinetics of intravenous paracetamol overdose in a 13 kg girl. *Clinical Toxicology* (2014)
- Takematsu M, Hoffman RS, Nelson LS, Howland MA, Smith SW. Plan C: Intra-muscular overdose of methotrexate. A rarely reported entity. *Clinical Toxicology* (2014)
- Lucyk SN, Nelson LS, Hoffman RS. Iatrogenic recombinant factor VIII overdose in a patient with hemophilia A. *Clinical Toxicology* (2014)
- Takematsu M, Nelson LS, Hoffman RS, Chu J. Diabetes insipidus associated with valproic acid overdose: A rare case of valproic acid toxicity. *Clinical Toxicology* (2014)
- Takematsu M, Hoffman RS, Nelson LS, Moran JF, Melendez S, Schechter JM, Wiener SW. "WTF": A case of acute cerebral ischemia following synthetic cannabinoid inhalation. *Clinical Toxicology* (2014)
- Takematus M, Smith SW, Nelson LS, Hoffman RS. Full of grace to full of gas: A perforated body packer. *Clinical Toxicology* (2014)
- Connors NJ, Glover RL, Stefan C, Patterson D, Wong E, Milstein M, Hoffman RS, Nelson LS, Smith SW. Biological and botanical confirmation of solanaceous glycoalkaloid poisoning by susumber berries (*Solanum torvum*). *Clinical Toxicology* (2014)
- Biary R, Nelson LS, Hoffman RS, Farmer BM. Intravenous lipid emulsion used in the therapy of a patient with prolonged cardiac pauses following a single pill ingestion of propafenone. *Clinical Toxicology* (2014)
- Fil L, Nelson LS, Olsen DG. Characterization of the use of naloxone in pediatric patients using data from the Toxicology Investigators Consortium. *Clinical Toxicology* (2014)
- Nguyen V, Kramer S, Wightman R, Nelson LS, Hoffman RS. Laundry detergent pod causing esophageal and gastric injury in an adult. *Clinical Toxicology* (2014)

**American College of Medical Toxicology Annual Scientific Meeting. Phoenix, AZ. March 2014.**

- Mazer-Amirshahi M, Mullins PM, Pines JM, Perrone J, Nelson LS. Trends in Opioid Prescribing for Acute Headache in US Emergency Departments. *J Med Toxicol* 2014;10
- Mazer-Amirshahi M, Mullins PM, Pines JM, Nelson LS, Perrone J. Trends in Opioid Prescribing in US Emergency Departments Based on Provider Level of Training. *J Med Toxicol* 2014;10
- Carey JL, Halliday M, Nelson LS, Wax PM. Medical Toxicology Education in Medical Schools in the USA. *J Med Toxicol* 2014;10
- Connors NC, Nelson LS. Wide Variation in Naloxone Dosing Recommendations for Acute Opioid Toxicity. *J Med Toxicol* 2014;10
- Farmer BM, Nelson LS, Perrone J, and ToxIC. Bedside Evaluation of Adverse Drug Events by Medical Toxicologists. *J Med Toxicol* 2014;10
- Fil LF, Nelson LS, Olsen D and ToxIC. Naloxone Administration in the Pediatric Population According to ToxIC Database Reporting. *J Med Toxicol* 2014;10
- Mazer-Amirshahi M, Mullins PM, Perrone J, Nelson LS, Pines JM. Trends in Opioid Prescribing Based on Provider Specialty in US Ambulatory Clinics. *J Med Toxicol* 2014;10

**American College of Emergency Physicians Research Forum, Seattle, WA. October 2013.**

- Shutler L, Perrone J, Portelli I, Blachford C, Nelson LS. Prescription Opioids in the Twittersphere: A Contextual Analysis of Tweets About Prescription Drugs. *Ann Emerg Med* 2013;62 (4 suppl):122.

**North American Congress of Clinical Toxicology. Atlanta, GA. September 2013**

- Biary R, Makvana S, Hussain AZ., Asuncion A, Afreen T, Howland MA, Smith SW, Hoffman RS, Nelson LS. Prolonged Hypertension from a 1,000-fold clonidine compounding error. *Clin Toxicol* 2013 51(7):596
- Connors N, Howland MA, Hoffman RS, Nelson LS, Smith SW. Voriconazole overdose causes acute kidney injury and severe drug interaction with tacrolimus. *Clin Toxicol* 2013 51(7):657-658

- Connors N, Bhatt BA, Kraunz S, Hoffman RS, Nelson LS. Hemolytic crisis and methemoglobinemia following pegloticase infusion in a patient with normal G6PD activity. *Clin Toxicol*. 2013 51(7):654-655
- Connors, NJ, Shawn LK, Vassallo SU, Mercurio-Zappala, M, Nelson LS, Hoffman RS, Smith SW. A case series of cationic detergent ingestions in a large correctional facility'. *Clin Toxicol* 2013 51(7):607
- Biary R, Howland MA, Smith SW, Hoffman RS, Nelson LS. Serotonin syndrome in a five year old child. *Clin Toxicol* 2013 51(7):596-597
- Jang DH, Chu , Donovan S, Bania TC, Nelson LS, Hoffman RS. Methylene blue in an experimental model of severe amlodipine poisoning. *Clin Toxicol*. 2013 51(7):578-579

**XXXIII International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Copenhagen, Denmark. May 2013**

- Takematsu M, Smith SW, Hoffman RS, Nelson LS. Berries that weren't that sweet after all... – A case of raspberry ketone intoxication. *Clin Toxicol* 2013;51:284.
- Shawn LK, Chen CC, Connors N, Nelson LS, Hoffman RS, Smith SW. Incidence of carbon monoxide calls to a US poison center following Hurricane Sandy. *Clin Toxicol* 2013;51:297
- Farmer BM, Shawn LK, Lanfranko JA, Harvey BG, Hoffman RS, Nelson LS. Chasing the wrong dragon: Acute respiratory distress from inhaling the contents of a fentanyl patch. *Clin Toxicol* 2013;51:346
- Kim HK, Biary R, Chen BC, Berlin DA, Hoffman SA, Nelson LS, Farmer BM. Complications from ultra rapid opioid detoxification at a single detoxification center. *Clin Toxicol* 2013;51:347
- Kim HK, Freidman-Jiminez G, Smith SW, Fritz PM, Laiz MC, Hoffman RS, Nelson LS. When work comes home: Delayed elevation of plasma mercury concentration after an occupational mercury exposure. *Clin Toxicol* 2013;51:359
- Connors NJ, Sise ME, Nelson LS, Hoffman RS, Smith SW. Methotrexate toxicity treated with continuous venovenous hemofiltration and leucovorin. *Clin Toxicol* 2013;51:366
- Farmer BF, Chen BC, Hoffman RS, Nelson LS, Rao RB. Ketamine and midazolam for procedural sedation prevents respiratory depression in life-threatening aspirin toxicity. *Clin Toxicol* 2013;51:367.
- Connors NJ, Hoffman RS, Nelson LS. Increased serum osmolality and metabolic acidosis following massive  $\gamma$ -hydroxybutyrate consumption. *Clin Toxicol* 2013;51:367.
- Biary R, Senturia S, Howland MA, Hoffman RS, Nelson LS, Farmer BM, Prosser JM. Naloxone used to prevent intubation in a patient with severe hepatic encephalopathy. *Clin Toxicol* 2013;51:369.

**American College of Medical Toxicology Annual Scientific Meeting. San Juan, Puerto Rico. March 2013.**

- Lapoint J, Perrone J, Nelson LS. A Missed Opportunity for Safe Opioid Use Using Electronic Pharmacopeia. *J Med Toxicol* 2013.
- Wax PM, Aks S, Kleinschmidt KC, Nelson LS. Medical Toxicology Fellowship Program Trends: 2001–2012. *J Med Toxicol* 2013.
- Rivers CM, Nelson LS, Hoffman RS. Paradoxical Benefit of Drug Shortages: Decreased ICU Admission Rate for Alcohol Withdrawal. *J Med Toxicol* 2013.

**North American Congress of Clinical Toxicology. Las Vegas, NV. September 2012**

- Kim HK, Nelson LS. Effectiveness of low dose naloxone to reverse respiratory depression in opioid intoxication. *Clin Toxicol* 2012;50:577
- Mercurio-Zappala M, Hoffman RS, Schwartz L, Howland MA, Nelson LS. Childrens' acetaminophen dosing: A new set of problems. *Clin Toxicol* 2012;50:608.
- Jang DH, Spyres MB, Nelson LS, Hoffman RS. An 11-year retrospective comparison of dihydropyridine and non-dihydropyridine calcium channel blockers. *Clin Toxicol* 2012;50:640
- Shawn LK, Alper K, Desai SP, Stephenson K, OlgunAM, Nelson LS, Hoffman RS. Pause-dependent ventricular tachycardia and torsades de pointes after ibogaine ingestion. *Clin Toxicol* 2012;50:654
- Chen BC, Nelson LS, Hoffman RS, Marcus SM. Purified diphtheria toxin complication in an immunized individual. *Clin Toxicol* 2012;50:655

- Farmer BM, Nelson LS. Medical toxicologists (MTs) involvement in medication management. *Clin Toxicol* 2012;50:676
- Wightman RS, Perrone LS, Nelson L. The liability of opioid likeability. *Clin Toxicol* 2012;50:696
- Jang DH, Donovan SP, Bania TC, Nelson LS, Hoffman RS, Chu J. The novel development of an experimental model of dihydropyridine calcium channel blocker poisoning using intravenous amlodipine. *Clin Toxicol* 2012;50:697.

**XXXII International Congress, European Association of Poison Centres and Clinical Toxicologists. London, England. May 2012**

- Rivers CM, Kim HK, Nelson LS, Smith SW, Hoffman RS. Two cases of bactrian pharmacokinetics in large acetaminophen and diphenhydramine co-ingestions: management implications. *Clin Toxicol* 2012;50:302
- Nelson LS. The pulmonary complications of drug abuse. *Clin Toxicol* 2012;50:306
- Lapoint J, Manning E, Calderon Y, Hoffman RS, Nelson LS. Methylene chloride poisoning with delayed carboxyhemoglobinemia treated with hyperbaric oxygen therapy. *Clin Toxicol* 2012;50:314.
- Shawn LK, Hoffman RS, Nelson LS. A case of adult botulism secondary to a psychiatric illness. *Clin Toxicol* 2012;50:318
- Garlich FM, Nelson LS, Lugassy DM. Xtreme Hepatotoxicity: Prolonged cholestatic hepatitis due to ingestion of "natural" bodybuilding supplement. *Clin Toxicol* 2012;50:328
- Rivers CM, Garlich FM, Hoffman RS, Nelson LS. Two cases of isoniazid induced hepatotoxicity in children: treatment with N-Acetylcysteine. *Clin Toxicol* 2012;50:329
- Rivers CM, Hoffman RS, Nelson LS. Cardiovascular collapse following an intravenous azithromycin overdose in an infant. *Clin Toxicol* 2012;50:329.
- Chen BC, Garlich FM, Viny AD, Basciano P, Howland MA, Smith SW, Hoffman RS, Nelson LS. Hemorrhagic complications in patients using dabigatran *Clin Toxicol* 2012;50:332
- Kim HK, Hoffman RS, Nelson LS. Buprenorphine/Naloxone (Suboxone) fatality in a child. *Clin Toxicol* 2012;50: 343
- Rivers CM, Weiselberg R, Hoffman RS, Nelson LS, Majlesi N. Thirty-six hours of elevated carboxyhemoglobin concentrations following methylene chloride exposure: to dive or not to dive? *Clin Toxicol* 2012;50:353.
- Kim HK, Hoffman RS, Nelson LS, Jang DH. Methylene blue for refractory hypotension in cardiovascular drug overdose. *Clin Toxicol* 2012;50:364
- Chen BC, Vassallo SU, Nelson LS, Hoffman RS, Smith SW. Stress cardiomyopathy induced by acute cocaine toxicity. *Clin Toxicol* 2012;50:365

**Society for Academic Emergency Medicine. Chicago, IL, May 2012**

- Garlich FM, Hetherington J, Williams N, Rao RB, Nelson LS, Hoffman RS. Use of a single dose of intramuscular methadone for acute opioid withdrawal.

**North American Congress of Clinical Toxicology. Washington, DC. September 2011**

- Rao R, Biary R, Prosser JM, Farmer BM, Nelson L, Hoffman RS, Howland MA. Fomepizole to prevent worsening lactate production in a patient with disulfiram related ketoacidosis. *Clin Toxicol* 2011;49:538.
- Garlich FM, Shah SK, Nelson LS, Howland MA. Prolonged altered mental status and bradycardia following pediatric donepezil ingestion. *Clin Toxicol* 2011;49:550.
- Jang DH, Hoffman RS, Nelson LS, Schaumburg H. Profound hypokalemia and weakness following chronic licorice ingestion for weight loss. *Clin Toxicol* 2011;49:580.
- Birmingham CM, Hoffman RS, Nelson LS. Cardiotoxicity in the setting of monocled cobra envenomation. *Clin Toxicol* 2011;49:588.
- Prosser JM, Cienki J, Sivilotti, ML, Stolbach A, Nelson LS, Hoffman RS. Utility of the initial troponin for cocaine-associated chest pain in the ED. *Clin Toxicol* 2011;49:589.
- Wood DM, Wax PM, Nelson LS, Vohra R, Dargan PI. What do other countries want from the ACMT? Results of the American College of Medical Toxicology International Committee survey. *Clin Toxicol* 2011;49:603.

Wax PM, Nelson LS. The emergency medicalization of medical toxicology. *Clin Toxicol* 2011;49:611.

**XXXI International Congress, European Association of Poison Centres and Clinical Toxicologists. Dubrovnik, Croatia. May 2011**

Jang D, Hoffman RS, Nelson LS, Rao RB, Howland MA, Prosser J. Rhabdomyolysis and hepatitis in a patient with prostate cancer being treated with high dose ketoconazole and concurrent simvastatin therapy. *Clin Tox* 2011;49:209.

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Birmingham CM, Pan A, Meggison HE, Hoffman RS, Nelson LS. "Octane Booster" ingestion causing refractory methemoglobinemia. *Clin Tox* 2011;49:211.

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Jang D, Smith SW, Larocque A, Hoffman RS, Nelson LS. Euthasol overdose with cardiac arrest resuscitated with intravenous lipid emulsion. *Clin Tox* 2011;49:253.

Livshits Z, Sampson B, Howland MA, Hoffman RS, Garlich F, Nelson LS. Retained drugs in the deceased. *Clin Tox* 2011;49:260.

Garlich FM, Hoffman RS, Nelson LS. Delayed respiratory distress in an infant following inhalation of talc-containing baby powder. *Clin Tox* 2011;49:264.

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Hemodialysis clearance of glyphosate following a life-threatening ingestion of glyphosate-containing herbicide. *Clin Tox* 2011;49:264.

**Joint American-Israeli Medical Toxicology Conference American College of Medical Toxicology and the Israel Society of Toxicology. Haifa, Israel. November 16-17, 2010.**

Nelson L. Drug induced QT prolongation syndromes. *J Med Toxicol*. 2010 Nov 16.

**North American Congress of Clinical Toxicology. Denver, CO. October 2010**

Livshits Z, Hoffman RS, Nelson LS. Zidovudine-associated elevated lactate concentration in a neonate following a dosing error. *Clin Toxicol* 2010;48:607

Livshits Z, Nelson LS, Hernandez SH, Smith SW, Howland MA, Hoffman RS. Severe metformin toxicity: role of methylene blue and CVVHD as Therapeutic Adjuncts. *Clin Toxicol* 2010;48:611

Morrissey RP, Hoffman RS, Nelson LS. Bok Choy hypothyroidism. *Clin Toxicol* 2010;48:630

Hernandez SH, Habib S, Howland MA, Hoffman RS, Nelson LS. Severe prolonged encephalopathy from an intentional lamotrigine overdose with significantly elevated and prolonged serum concentrations. *Clin Toxicol* 2010;48:645

Jang DH, Nelson LS, Hoffman RS. Methylene blue (MB) in the treatment of refractory shock from an amlodipine overdose. *Clin Toxicol* 2010;48:646

Kleinschmidt K, Wax P, Nelson L, Bird S, Brent J. The Toxicology Investigators Consortium (ToxIC) Registry – Establishing its viability. *Clin Toxicol* 2010;48:651

Jang DH, Hoffman RS, Chu J, Nelson LS. Fatal outcome of a propoxyphene/acetaminophen (Darvocet) overdose: should it still be legal in the United States? *Clin Toxicol* 2010;48:658



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**XXX International Congress, European Association of Poison Centres and Clinical Toxicologists.  
Bordeaux, France. May 2010**

Manini AF, Nelson LS, Stimmel B, Vlahov D, Hoffman RS. Incidence of Adverse Cardiovascular Events Following Drug Overdose: A Pilot Study. *Clin Toxicol* 2010;48:242

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Jang DH, Trueger NS, Duque D, Manini AF, Hoffman RS, Nelson LS. Status epilepticus secondary to diphenhydramine overdose. *Clin Toxicol* 2010;48:251

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Farmer BM, Nelson LS, Tunik MG, Graham ME, Bendzans C, McCrillis A, Portelli I, Zhang M, Goldberg JD, Goldfrank LR. Framework for risk determination and response to agents of opportunity in academic medical centers. *Clin Toxicol* 2010;48:256

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Smith SW, Portelli I, Farmer BM, Nelson LS, Rosenberg S, Tunik M, Bendzans C, Graham ME, Goldfrank LR. Profiling the risk to academic medical centers by agents of opportunity. *Clin Toxicol* 2010;48:259

Livshits Z, Nelson LS, Hoffman RS. If vitamins could kill: massive hemolysis following naturopathic vitamin infusion. *Clin Toxicol* 2010;48:260

Livshits Z, Hoffman RS, Nelson LS. Recreational inhalation of ethyl chloride leads to neurotoxicity *Clin Toxicol* 2010;48:260

Livshits Z, Hernandez SH, Majlesi N, Hoffman RS, Smith SW, Nelson LS. Anabolic steroid use leads to acute lung injury. *Clin Toxicol* 2010;48:260

Soghoian S, Prosser JM, Manini AF, Stajic M, Marker E, Prezant D, Nelson LS, Hoffman RS. Mandatory carbon monoxide detectors do not appear to reduce the incidence of death from carbon monoxide poisoning. *Clin Toxicol* 2010;48:269

Hernandez SH, Morrissey Ryan P, Howland MA, Nelson LS, Hoffman RS. Re-evaluating the dose of N-acetylcysteine in massive paracetamol ingestion. *Clin Toxicol* 2010;48:277

Jang DH, Rao RB, Nelson LS, Hoffman RS. Paresthesias following administration of intrathecal chemotherapy unintentionally dissolved with 0.9% benzyl alcohol. *Clin Toxicol* 2010;48:290

Jang DH, Hoffman RS, Nelson LS. A Case of Near-fatal flecainide medication error in a neonate. *Clin Toxicol* 2010;48:290

Manini AF, Nelson LS, Hoffman RS. Chronic digoxin toxicity, serum potassium, and Fab failure: A Case-control Study. *Clin Toxicol* 2010;48:295

Hernandez SH, Prosser JM, Livshits Z, Jang DH, Stajic M, Hoffman RS, Nelson LS. Utility of serum aldicarb concentrations in cases of tres pasitos poisoning. *Clin Toxicol* 2010;48:301

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Story DJ, Lambert AA, Nelson LS, Hoffman RS. Fulminant Hepatic failure from usnic acid containing supplements. Clin Toxicol 2010;48:314

Farmer BM, Ghory H, Nelson LS. Intentional ingestion of concentrated potassium chloride results in caustic injury. Clin Toxicol 2010;48:317

**North American Congress of Clinical Toxicology. San Antonio, TX. September 2009**

Manini AF, Nelson LS, Olsen D, Vlahov D, Hoffman RS. Do medical examiners and medical toxicologists agree on the cause of death? Clin Toxicol 2009;47:705

Hernandez SH, Hoffman RS, Olmedo RE, Vashi AA, Nelson LS. Two cases of atropine poisoning suspected from bottled water. Clin Toxicol 2009;47:719

Lugassy DM, Nelson LS, Hoffman RS, Howland MA. Acute bromide toxicity from an over the counter Dominican colic remedy. Clin Toxicol 2009;47:730

Farmer BM, Nelson LS, Study Team AO. Agents of Opportunity in the healthcare setting. Clin Toxicol 2009;47:746

Farmer BM, Lesar T, Nelson LS. Conflict of Interest (COI) Management among Pharmacy and Therapeutics (P&T) Committees. Clin Toxicol 2009;47:758

Farmer BM, Hoffman RS, Nelson LS. Unique Lookalike medication error leads to patient harm. Clin Toxicol 2009;47:758

Prosser JM, Soghoian S, Manini AF, Nelson LS, Hoffman RS. Impact of mandatory carbon monoxide (CO) detectors on CO exposure and severity. Clin Toxicol 2009;47:759

Lugassy DM, Nelson LS, Hoffman RS, Howland MA. Failure of standard octreotide dosing to prevent recurrent hypoglycemia following sulfonylurea exposure in a child. Clin Toxicol 2009;47:760

**XXIX International Congress, European Association of Poison Centres and Clinical Toxicologists. Stockholm, Sweden. May 2009**

Morrissey RP, Alt RS, Howland MA, Nelson LS, Hoffman RS. Sub-acute high-dose nitrous oxide (N<sub>2</sub>O) exposure produces severe peripheral neuropathy. Clin Toxicol 2009;47:448

Prosser JM, Howland MA, Jones BE, Hoffman RS, Nelson LS. Complications of fentanyl patch ingestion. Clin Toxicol 2009;47:449

Farmer BM, Nelson LS, Hoffman RS. A systematic evaluation of medication errors reported to the Poison Center. Clin Toxicol 2009;47:470

Soghoian S, Ravikumar P, Nelson LS, Hoffman RS. Death after ingestion of a topical aphrodisiac containing toad venom. Clin Toxicol 2009;47:471

Prosser JM, Smith SW, Olsen D, Nelson LS, Hoffman RS. Inaccuracy of electrocardiogram interpretations reported to the Poison Center. Clin Toxicol 2009;47:487

Morrissey RP, Howland MA, Hoffman RS, Nelson LS. Premedication for coronary computed tomographic angiography produces symptomatic atrio-ventricular dissociation. Clin Toxicol 2009;47:496

Hernandez SH, Nelson LS, Borke JA, Kim J, Rao R. Uvular angioedema in a non-paracetamol poisoned patient treated with N-acetylcysteine and physostigmine. Clin Toxicol 2009;47:498

Lugassy DM, Nelson LS, Hoffman RS, Howland MA. Torsade de Pointes presenting as new-onset seizure in a methadone maintenance patient. Clin Toxicol 2009;47:501

Farmer BM, Mehta RR, Nelson LS, Howland MA, Hoffman RS, Rao RB. Medication error resulting in intravenous 1% Alum administration. Clin Toxicol 2009;47:509

Hernandez SH, Hoffman RS, Howland MA, Nelson LS, Bouchard NC. Inadvertent intravenous infusion of polyethylene glycol and electrolyte solution in a 3 year-old girl. Clin Toxicol 2009;47:509

Hernandez SH, Hoffman RS, Howland MA, Nelson LS. Hypoglycemia induced by insulin glargine overdose. Clin Toxicol 2009;47:509

**Society for Academic Emergency Medicine. New Orleans, LA, May 2009**

Manini AF, Nelson LS. Derivation of the Prognostic Utility of Lactate for Drug Overdose Fatality (Abstract #378)

[Presentations at Scientific Meetings prior to 2008 available upon request]

**CONFERENCE DIRECTOR (WITH LECTURE AS APPROPRIATE)**

*Opioid Stewardship Workshop*. New Jersey Hospital Association. Reducing the Risk of Opioid Harm. Small group: Harm Reduction Strategies. Princeton, NJ. June 17, 2019.

*Seminar in Forensic Toxicology. Opioids, Toxicology, and the Law: Medical-Legal Aspects of the Opioid Epidemic*. American College of Medical Toxicology. The Slippery Slope of Opioid Tolerance; Prescribing Opioids: Primary Therapy or the Last Resort? Dallas TX, Dec 13-14, 2018.

*Advanced Pain Management in the Emergency Department*. Massachusetts Medical Society and Massachusetts ACEP. Waltham, MA. June 8-9, 2018

*Seminar in Forensic Toxicology: Opioids, Toxicology, and the Law: Medical-Legal Aspects of the Opioid Epidemic*. American College of Medical Toxicology, the Fredric Rieders Family Foundation, and the Society of Forensic Toxicology. Philadelphia, PA. Dec 11-12, 2017.

*Bench to Bedside: Neurologic and Metabolic Toxins*. American College of Medical Toxicology Annual Scientific Meeting. Huntington Beach, CA. March 18-20, 2016.

*The MRO & Beyond: Advanced Drug Testing Interpretation*. American College of Medical Toxicology Annual Scientific Meeting Satellite Session. March 17, 2016.

*Seminars in Forensic Toxicology. A Legal PotPourri*. American College of Medical Toxicology and Society of Forensic Toxicologists. Denver CO. December 10-11, 2015.

*Department of Homeland Security, Office of Health Affairs. Drugs of Abuse for Law Enforcement. December 9, 2015*

*Toxicoprevention*. American College of Medical Toxicology Annual Scientific Meeting. Clearwater Beach, FL. March 27-29. *Professional Organizations and Your Medical Toxicology Career*. Fellows in Training Session. March 28, 2015.

*Addiction Medicine Academy*. American College of Medical Toxicology Annual Scientific Meeting Satellite Session. Clearwater Beach, FL. March 26, 2015.

*Intensive Review Course in Clinical Toxicology*. New York City Poison Control Center, Bellevue Hospital. Withdrawal Syndromes. March 12-13, 2015.

*Advanced Concepts and Controversies in ED Pain Management*. Society for Academic Emergency Medicine. Opioid Free ED: From Theory to Practical Application; Overcoming perceived hurdles in implementing advanced pain strategies; IV Acetaminophen for Acute Pain in the ED: Does the Benefit Justify its Cost? San Diego, CA. May 12, 2015.

*Planning for a Safer Decade of ED Analgesia*. Society for Academic Emergency Medicine Annual Meeting. Dallas, TX. May 13, 2014.

*Intensive Review Course in Clinical Toxicology*. New York City Poison Control Center, Bellevue Hospital. Withdrawal Syndromes. March 13-14, 2014

*CSI Atlanta: Toxicology, Law Enforcement, and Crime Scene Investigation*. ACMT Pre-Meeting Symposium at the North American Congress of Clinical Toxicology 2013. Atlanta, GA. American Academy of Clinical Toxicology. September 28, 2013.

*Safe Opioid Prescribing*. Hartford Hospital and American College of Medical Toxicology. Hartford, CT. June 1, 2013.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials)*. The Clinical Neurotoxicology of Chemical Terrorism. New York City. April 30, 2013.

*The Changing Faces of Antidotes*. American College of Medical Toxicology Annual Scientific Meeting. San Juan, Puerto Rico, March 15-17, 2013.

*Alcohol Abuse Academy: Current Perspectives on Impairment, Dependence and Withdrawal.* American College of Medical Toxicology Annual Scientific Meeting Satellite Session. San Juan, Puerto Rico, March 14, 2013.

*Intensive Review Course in Clinical Toxicology.* New York City Poison Control Center, Bellevue Hospital. Withdrawal Syndromes. February 28-March 1, 2013.

*Prescription Opioid Misuse Academy: The Dark Side of Prescription Opioids.* American College of Medical Toxicology. Understanding The Issues: The Epidemiology of Prescription Opioid Misuse. San Diego, CA. March 15, 2012.

*Iatrogenesis: Toxicology and Medication Safety in Healthcare Settings.* American College of Medical Toxicology. San Diego, CA. March 16-18, 2012.

*Intensive Review Course in Clinical Toxicology.* New York City Poison Control Center, Bellevue Hospital. Withdrawal Syndromes. March 4-5, 2012.

*Safe Opioid Prescribing.* New York University, Division of Pain Management. Epidemiology of Prescription Opioid Misuse and Overdose. New York, NY. December 17, 2011.

*Seminars in Forensic Toxicology: Stimulants.* American College of Medical Toxicology and Society of Forensic Toxicologists. Washington, DC. May 9-10, 2011.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* Environmental Protection Agency. Orlando, FL (in conjunction with AAEM Conference). The Clinical Neurotoxicology of Chemical Terrorism. Feb 26-27, 2011.

*Seminars in Forensic Toxicology: Ethanol and Marijuana.* American College of Medical Toxicology and Society of Forensic Toxicologists. San Francisco, CA. December 13-14, 2010.

*Seminars in Forensic Toxicology: Opioids.* American College of Medical Toxicology and Society of Forensic Toxicologists. Philadelphia, PA. November 8-9, 2010.

*Joint American-Israeli Medical Toxicology Conference.* American College of Medical Toxicology and the Israel Society of Toxicology. Haifa, Israel. Drug induced QT Prolongation Syndromes. November 16-17, 2010.

*Intensive Review Course in Clinical Toxicology.* New York City Poison Control Center, Bellevue Hospital and St. John's University School of Pharmacy. Withdrawal Syndromes. March 4-5, 2010.

*Seminars in Forensic Toxicology: Ethanol and Marijuana.* American College of Medical Toxicology and Society of Forensic Toxicologists. Baltimore, MD. November 18-19, 2009.

*American College of Medical Toxicology Spring Conference.* Premeeting Symposium: Drugs of Abuse for Emergency Physicians. San Juan, PR. March 26, 2009.

*Intensive Review Course in Clinical Toxicology.* New York City Poison Control Center, Bellevue Hospital and St. John's University School of Pharmacy. Withdrawal Syndromes. March 13-14, 2009.

*North American Congress of Clinical Toxicology.* Toronto, Canada. American Association of Clinical Toxicology. September 11-16, 2008. Chair, Planning Committee.

*Intensive Review Course in Clinical Toxicology.* New York City Poison Control Center, Bellevue Hospital and St. John's University School of Pharmacy. Withdrawal Syndromes. March 13-14, 2008.

*North American Congress of Clinical Toxicology.* New Orleans, LA. American Association of Clinical Toxicology. October 19-24, 2007. Chair, Planning Committee.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* Environmental Protection Agency. Toxic Warfare: Beyond Conventional Chemical Weapons; The Clinical Neurotoxicology of Chemical Terrorism. June 5, 2007.

*27<sup>th</sup> Annual Emergency Medicine Seminar: Contemporary Concepts in Clinical Emergency Medicine: A Literature-Based Approach.* New York University School of Medicine. A Tale of Two Antidotes: Hydroxocobalamin and N-acetylcysteine. June 6-8, 2007.

*ACMT 4<sup>th</sup> Annual Medical Toxicology Spring Course.* Miami, Florida..Fellows' Research Symposium. March 15-17, 2007.

*Intensive Review Course in Clinical Toxicology*. New York City Poison Control Center, Bellevue Hospital and St. John's University School of Pharmacy. Plant Poisoning. March 8-9, 2007.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials)*. Albany Medical Center. Toxic Warfare: Beyond Conventional Chemical Weapons; The Clinical Neurotoxicology of Chemical Terrorism. October 17, 2006.

*26<sup>th</sup> Annual Emergency Medicine Seminar: Contemporary Concepts in Clinical Emergency Medicine: A Literature-Based Approach*. New York University School of Medicine. Alcohol Intoxication: When Are You “Level” Enough To Go Home? June 7-9, 2006.

*ACMT 4<sup>th</sup> Annual Medical Toxicology Spring Course*. Phoenix, Arizona. Problems with Patches. The Pharmacology and Toxicology of Transdermal Medications. March 2-3, 2006.

*Intensive Review Course in Clinical Toxicology*. New York City Poison Control Center, Bellevue Hospital and St. John's University School of Pharmacy. Mushroom poisoning. March 9-10, 2006.

*ACMT Scientific Symposium: The Role of the Immune System in Toxicological Responses*. 2005 North American Congress of Clinical Toxicology. Orlando, FL. September 12, 2005.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials)*. Recognizing Current Vulnerabilities: Threats to Food, Water and Drug Supplies. Region IX Tribal Environmental Conference, United States Environmental Protection Agency, October 27, 2005.

*ACMT Medical Toxicology CPC Competition*. 2005 North American Congress of Clinical Toxicology. Orlando, FL. September 10, 2005.

*ACMT Pre-meeting Symposium: The Dark Side of Pharmaceuticals* 2005 North American Congress of Clinical Toxicology. Orlando, FL. September 10, 2005.

*25<sup>th</sup> Annual Emergency Medicine Seminar: Contemporary Concepts in Clinical Emergency Medicine: A Literature-Based Approach*. New York University School of Medicine. QT Prolongation: What is the Big Deal? June 8-10, 2005.

*Intensive Review Course in Clinical Toxicology*. New York City Poison Control Center, Bellevue Hospital and St. John's University School of Pharmacy. Carbon Monoxide. March 10-11, 2005.

[Course Director Information prior to 2005 available upon request]

#### **COURSE/CONFERENCE FACULTY OF A NATIONAL OR INTERNATIONAL MEETING**

*American Society of Addiction Medicine, Board Review Course: Principles of Pharmacology and Toxicology*. Dallas, TX. July 26, 2019.

*XXXIX International Congress of the European Association of Poisons Centres and Clinical Toxicologists*. The Pharmacology and Toxicology of Synthetic Opioids. Naples, Italy, May 23, 2019.

*The Center for Forensic Science Research and Education. Postmortem Interpretive Toxicology*. Management of Poisonings/Overdoses in the E.D.; Death Investigator Interactions. Philadelphia, PA. April 24, 2019.

*New York American College of Emergency Physicians. 2019 ED Director Forum*. Operationalizing ED-Based Protocols for Opioid Addiction and Treatment. April 26, 2019

*American Society of Addiction Medicine*. The World of Weird Withdrawal; Cannabis Today: Not Your Parent's Pot; Severe Alcohol Withdrawal: Complexity and Controversy. Orlando, FL. April 5-7, 2019

*Association of Academic Chairs in Emergency Medicine, Annual Conference*. Faculty Development Session: The Role of Professional Organization and Certifying Bodies. San Juan, PR. March 12, 2019.

*Partnership for a Drug Free New Jersey. Doctor Patient Alliance Annual Conference*. Do No Harm: Consequences of Pain Management and Opioid Prescribing. Atlantic City, NJ. Feb 8, 2019.

*New York Society of Addiction Medicine. 15th Annual Intersection of Science, Treatment and Policy Conference*. Medical Toxicology Case Discussion on ED Management. New York, NY. Feb 2, 2019.

*ACEP E-QUAL Opioid Management Learning Collaborative*. Webinar: Improving Opioid Prescribing Through Pain Guidelines. <https://acep.org/administration/quality/equal/e-quality-opioid-initiative>

*Global Health Security Initiative (GHSI) Chemical Events Work Group. Health Security Workshop on Mass Casualties from the Deliberate Release of Opioids. Myths and Misinformation About Casual Dermal Exposure to Fentanyl Among First Responders and Law Enforcement. Medical and Public Health Aspects of Medical Countermeasures for Opioid Threat. Boston, MA. Nov 6-7, 2018*

*ACMT Women in Toxicology Section: How to optimize your curriculum vitae. Chicago, IL. Oct 27, 2018*

*ACMT Fellows-in-Training RoundTable: The Role Of Medico-Legal Consulting In Your Medical Toxicology Career. Chicago, IL. Oct 28, 2018.*

*University of Pittsburgh School of Medicine, Safar Center for Resuscitation Research. The Newest Opium War. Insights into the Current Opioid Crisis. The Thirty-Eighth Peter and Eva Safar Annual Lectureship in Medical Sciences and Humanities. Pittsburgh, PA. May 31, 2018.*

*Society for Academic Emergency Medicine. Annual Meeting. Academic Health System Administration as an Avenue for Career Development: How to Forge a Pathway in Administration. Indianapolis, IN. May 16, 2018.*

*American Society of Addiction Medicine. 49th Annual Conference. Fentanyl and Analogs, Oh My: Their Impact on Patients and Public Health, San Diego, CA. April 12-15, 2018.*

*Duke University, Margolis Center for Health Policy. Strategies for Promoting the Safe Use and Appropriate Prescribing of Prescription Opioids Presentation. Panel: Establishing Guidelines and Defining Success for Safe and Appropriate Opioid Prescribing. Washington, DC. Feb 15, 2018.*

*The Poynter Institute. Covering the Opioid Crisis: A Workshop for Illinois Journalists. DePaul Univ, Chicago December 4-6, 2017.*

*Office of the State Medical Examiner, NJ Department of Health. The Opioid Crisis: A Medical Examiner And Public Health Perspective. Waking Up Dead: The Toxicology of Fatal Opioid Poisoning. Sayreville, NJ. July 10, 2017*

*Partnership for a Drug Free New New Jersey. Do No Harm: Keeping it Legal and Safe in the Medical Community. Understanding and Addressing the Public Health Epidemic of Opioid Abuse. Morristown, NJ. June 12, 2017.*

*Society for Academic Emergency Medicine. Annual Meeting. Ten Commandments of Acute Pain Management in the ED. Thou shalt choose and use opioids wisely. Thou shalt use alternative (to IV) routes of analgesic administration. May 16, 2017.*

*Association of Academic Chairs in Emergency Medicine/AAAEM Joint Retreat. The Opioid Epidemic: A Policy Perspective. Miami FL. March 20, 2017.*

*ANSER Conference, New Brunswick, New Jersey. Understanding the National Emergency Medicine Landscape. March 16, 2017.*

*2017 Behavior, Biology, and Chemistry: Translational Research in Addiction: The opioid epidemic: history, formulations, regulations, and emergencies. From opiophobia to abuse deterrent formulations: the making of an opioid epidemic. March 4, 2017*

*Poynter Institute's Covering the Opioid Crisis. Learning to Say "No": How Hospitals are Trying to Resist Prescribing Opioids. New York, NY. March 3, 2017*

*Hong Kong College of Emergency Medicine 20<sup>th</sup> Anniversary. Pitfalls in Opioid Prescribing: The American Experience. Also, Convocation of Inaugural Fellows in Clinical Toxicology. Hong Kong Society of Clinical Toxicology. Hong Kong, China. October 28-30, 2016.*

*North American Congress of Clinical Toxicology 2016. Premeeting: Are Abuse-Deterrent Opioids Formulations All They Are Crushed Up To Be? Sept 13, 2016; Main Meeting: ABAT Symposium: Myth-Representations of Opioid Risks and Benefits. Boston, MA. Sept 14, 2016*

*Postmortem Interpretive Toxicology. The Center for Forensic Science, Research, and Education, Reiders Foundation. Philadelphia, PA. Clinical Pearls and Forensic Pitfalls in the Management of Poisoned Patients. June 13, 2016.*

*RADARS System Scientific Meeting. Setting the Stage: Are Abuse-Deterrent Opioids Formulations Ready for Prime Time? Denver, CO. May 6, 2016*

*Mass Gathering Medicine Summit. Toxicology of Club Drugs. New York City. April 21-22, 2016*

*American Society of Addiction Medicine, Annual Scientific Meeting.* Opioid, Benzodiazepine, and Cannabis Withdrawal Syndromes. Baltimore, MD. April 16, 2016.

*SCOPE of Pain: Safe and Competent Opioid Prescribing Education.* Regional Abilities panel. New York, NY. Sept 26, 2015

*XXXIV International Congress.* European Association of Poison Centres and Clinical Toxicologists. Malta. May 29, 2015. Naloxone public availability and use.

*Society for Academic Emergency Medicine. Annual Meeting.* Crossfire: Controversies in Toxicologic Emergency Medicine. May 15, 2015.

*American College of Medical Toxicology. Annual Scientific Meeting.* Clearwater, FL. Workshop moderator: Prescription Drug Monitoring Programs: Big Brother or Guiding Light? Discussant: Fellows in training Luncheon. March 28, 2015.

*The Center for Forensic Science Research and Education. Postmortem Interpretive Toxicology.* Philadelphia, PA. The Poisoned Patient: Diagnosis and Prognosis. January 28, 2015.

*North American Congress of Clinical Toxicology 2014.* New Orleans, LA. *Premeeting:* Careers in Medication Safety. Oct 17; *Main Meeting:* Hydrocodone and the FDA Update. Oct 21, 2014

*Academy of Insurance Medicine Annual Meeting.* The Prescription Drug Abuse Epidemic: Identifying Risk Before and After Death. Philadelphia, PA. Sept 29, 2014.

*5th Brazilian Congress of Clinical Toxicology, ABRACIT.* Salvador, Bahia, Brazil. Management of Body Packer; Update on Cardiotoxic Overdoses; Stocking and Positioning of Critical Antidotes. Sept 10-12, 2014.

*XXXIV International Congress.* European Association of Poison Centres and Clinical Toxicologists. Brussels, Belgium. Pro/con debate: Gastric Lavage Should Be Abandoned. May 29, 2014.

*Society for Academic Emergency Medicine. Annual Meeting.* Dallas, TX. Medication Management: A Niche in Patient Safety for Emergency Physicians. May 15, 2014.

*Society for Academic Emergency Medicine. Annual Meeting.* Dallas TX. Opioid Prescribing from Our EDs: Where Do We Go from Here? May 16, 2014.

*American College of Medical Toxicology. Annual Scientific Meeting.* Phoenix, AZ. Panel Discussion. Medication Safety and Technology: Clarity or Complexity? March 28, 2014.

*American College of Medical Toxicology. Satellite Symposium at Annual Scientific Meeting.* Phoenix, AZ. Panel Discussion: Does It Really Cost An Arm And A Leg To Save An Arm And A Leg?" March 28, 2014.

*Society of Toxicology, Annual Meeting and ToxExpo. Improving the Safety of Dietary Supplements and Natural Health Products by Assessing Effects in Humans.* Phoenix, AZ. A Clinician's Perspective on Acute Adverse Event Knowledge. March 27, 2014.

*HATS Scientific Conference 2013 - Metropolitan Poisoning.* Hong Kong, China. Toxic Extremity; Update in Cardiotoxic Overdose. November 8-9, 2013.

*Congreso Toxicologia Clinica and Seguridad Quimica.* Asociacion Latinoamericano de Toxicologia. Guayaquil, Ecuador. Pitfalls and Pearls in Poisoning Management: The Coma Cocktail 2013, Lecture. October 18. The Toxic Limb. October 19, 2013.

*American College of Emergency Physicians and Urgent Matters.* Seattle, WA. Emergency Care Quality Improvement in the Era of Public Accountability, Panel One – Policy, Quality and Patient Safety. NYC Opioid Prescribing Policy. October 13, 2013.

*National Institute of Drug Abuse and American College of Emergency Physicians.* Seattle WA. Working Models for the Emergency Department. Guidance for Opioid Prescribing: Lessons Learned from the NYC Experience. October 13, 2013.

Luncheon Roundtable. Implementation and Application of the ACEP Clinical Policy for Opioid Prescribing in Adult Patients in the ED. October 13, 2013.

*North American Congress of Clinical Toxicology 2013.* Atlanta, GA. American Academy of Clinical Toxicology. ACMT Fellows-in-Training Luncheon: Investigating Medication Safety Events - Becoming the Expert at Your Institution, September 30, 2013; American Academy of Clinical Toxicology. AACT Acute Intensive Care Symposium. October 1, 2013.

*7th Annual CounterACT Network Research Symposium.* National Institutes of Health/NINDS. Washington, DC. June 26, 2013.

*Postmortem Interpretive Toxicology.* The Center for Forensic Science, Research, and Education, Reiders Foundation. Philadelphia, PA. Clinical Pearls and Forensic Pitfalls in the Management of Poisoned Patients. June 18, 2013.

*ED Opioid Guideline Symposium.* Greater New York Hospital Association. New York, NY. Review of the Status of the ED Opioid Guidelines. April 15, 2013.

*Pediatric Emergency Medicine Symposium.* Valley Hospital. Ridgewood, NJ. Legal Heroin: The Unintended Consequences of Prescription Opioids April 9, 2013.

*New York Society of Addiction Medicine.* New York, NY. Novel Molecules Used as Drugs of Abuse. Panel discussion. February 2, 2013.

*Scientific Congress.* Asia Pacific Association of Medical Toxicology. Hong Kong, China. Paracetamol protein adducts and other novel biomarkers: How might they change practice? November 28-December 1, 2012.

*Pan-Pacific Emergency Medicine Congress 2012.* Seoul, Korea. Whats new in Cardiovascular Toxicology; Development of Poison Center Services in Developing Countries. Oct 23-26, 2012.

*IV World Congress in Emergency Medicine.* Riviera Maya, Mexico. American Academy of Emergency Medicine. Pitfalls and Pearls in Poisoning Management: The Coma Cocktail 2012. November 14 – 17, 2012

*Harold Rogers Prescription Drug Monitoring Program National Meeting, 2012.* Washington, DC. Prescriber's Perspective: The Challenge of Integrating the PDMP into Clinical Practice. June 6, 2012.

*XXXII International Congress.* European Association of Poison Centres and Clinical Toxicologists. London, England. Pulmonary Toxicity of Opioids. May 31, 2012.

*North American Congress of Clinical Toxicology 2011.* Washington, DC. American Academy of Clinical Toxicology Acute Intensive Care Symposium. September 24, 2011.

*XXXI International Congress,* European Association of Poison Centres and Clinical Toxicologists. Bordeaux, France. Transdermal Opioid Toxicity. May 26, 2011.

*Pediatric Emergency Medicine Symposium: Current Clinical Concepts.* Valley Hospital. Anti-Donts in Pediatrics. April 5, 2011.

*Society for Academic Emergency Medicine.* Washington, DC. *Consensus Conference: Beyond Regionalization: Integrated Networks of Emergency Care.* Time Critical Conditions: Lessons Learned from Poison Centers and Medical Toxicology. June 2, 2010.

*XXX International Congress, European Association of Poison Centres and Clinical Toxicologists.* Bordeaux, France. Unusual Toxicologic Outbreaks. May 12, 2010.

*American College of Medical Toxicology Spring Conference.* Phoenix, AZ. From *Abrus* to *Zigadenus*: A Brief Stroll Through a Garden of Unusual Poisonous Plants. March 12, 2010.

*American College of Medical Toxicology.* *Update on New Antidotes and Drug Safety in the Emergency Department.* Phoenix, AZ. QT Drugs: A Prolonged Discussion. March 11, 2010.

*American College of Emergency Physicians. Scientific Assembly 2009.* Boston, MA. Workshop: Toxicology Lab. Lecture: Anti-DON'Ts: Cases in Poisoning Management. October 6, 2009.

*Brazilian Congress of Toxicology.* Belo Horizonte, Brazil. Antidotal therapy: State-of-the-Art; Building Evidence-based Clinical Toxicology; Roundtable on Club Drugs. October 12, 2009.

*North American Congress of Clinical Toxicology 2009. American Association of Poison Control Centers Symposium.* San Antonio, TX. Does one hand know what the other is doing: The relationship between Poison Centers and Medical Examiners. September 22, 2009.

*American College of Medical Toxicology Spring Conference. Drugs of Abuse for Emergency Physicians.* San Juan, PR. Controlling the Clinical Storm of Cocaine Poisoning. March 26, 2009.

*American College of Medical Toxicology Spring Conference.* San Juan, PR. A Toxic Tour of the Neuromuscular Junction. March 27, 2009.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* Knoxville, TN. Terrorism by Fear and Uncertainty: Delayed Toxicologic Syndromes and The Clinical Neurotoxicology of Chemical Terrorism.



In conjunction with the Radiation Emergency Assistance Center/Training Site (REAC/TS). May 29, 30, 2008.

*XXVIII International Congress, European Association of Poison Centres and Clinical Toxicologists.* Seville Spain. Keynote Lecture: CAM Scams: Poisons as Cancer Cures. Co-chair, Symposium on Herbal Toxicology. May 6-9, 2008.

*American College of Occupational and Environmental Medicine.* American Occupational Health Conference (AOHC), New York. Recent Advances in Toxicology: Drugs of abuse April 15, 2008.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* The Clinical Neurotoxicology of Chemical Terrorism. 29th Annual International Disaster Management Conference. Orlando, FL. January 31, 2008.

*U.S. Army Center for Health Promotion and Preventive Medicine.* *Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* The Clinical Neurotoxicology of Chemical Terrorism. Louisville, KY. August 8, 2007

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* The Clinical Neurotoxicology of Chemical Terrorism. Hawaii Department of Public Health. Honolulu, HI. February 5-6, 2007.

*North American Congress of Clinical Toxicology 2006, San Francisco, CA. Specialist in Poison Information Roundtable.* From Abstract to Case Report – How to Get an Interesting Case Successfully Published. October 7, 2006.

*Monterey Terrorism Research and Education Program.* Monterey Institute of International Studies. The Clinical Neurotoxicology of Chemical Terrorism. Monterey, CA. May 6, 2006.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* The Clinical Neurotoxicology of Chemical Terrorism. San Francisco Police/California Highway Patrol. San Francisco, CA. May 5, 2006.

*Clinical Management of Orthopedic Injuries.* New York University School of Medicine. Procedural/Conscious Sedation. April 7, 2006.

*Central Atlantic States Association of Food and Drug Officials.* Recognizing Current Vulnerabilities: Threats to Food, Water and Drug Supplies. March 14, 2006.

*Scientific Assembly.* Activated Charcoal Is an Obsolete Antidote: Point/Counterpoint. American Academy of Emergency Medicine. February 17, 2006.

*Trends in Substance Abuse: An Analysis and Interpretation of Existing Data.* American Association of Poison Control Centers Symposium. 2005 North American Congress of Clinical Toxicology. DAWN, NIDA and TESS. Orlando, FL. September 13, 2005.

*Clinical Management of Orthopedic Injuries.* New York University School of Medicine. Antibiotics and Analgesics in Orthopedic Injuries. Moderator, Lower Extremity Fractures. April 1, 2005.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* Terrorism by Fear and Uncertainty: Delayed Toxicologic Syndromes. Connecticut Hospital Association, Wallingford, CT. March 31, 2005.

*Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials).* The Clinical Neurotoxicology of Chemical Terrorism and Terrorism by Fear and Uncertainty: Delayed Toxicologic Syndromes. Hartford Hospital, CT. March 2, 2005.

[Course/Conference Faculty prior to 2005 available upon request.]

## **OTHER INVITED LECTURES AND APPEARANCES**

[Not part of a regional, national, or international meeting]

**2019**

Project ECHO Webinar. Naloxone and Harm Reduction Efforts. Newark, NJ. Sept 20.  
National Medical Services. Inadvertent Fentanyl Exposure? Cases and Questions. Philadelphia, PA. Aug 14.  
Trinitas Regional Medical Center. Grand Rounds. Reefer Madness: Cannabis and Human Health. Elizabeth, NJ. July 25.  
Kaweah Delta Health Care District (KDHCD). Grand Rounds. Addressing the Opioid Epidemic. Visalia, CA. May 30.  
Newark Beth Israel Emergency Medicine Critical Care Conference. Pulmonary Complications of Drug Use. May 29.  
West Virginia University. Grand Rounds. The Pharmacology and Toxicology of Street Drugs. Morgantown, WV. April 25.  
Rutgers University School of Dental Medicine. The Role of the Dentist in Addressing the Opioid Epidemic. April 22.  
Buprenorphine DATA Waiver Training Course, New Jersey Medical School. Pharmacology of MAT; Urine Drug Testing Interpretation. April 19.  
New Jersey Hospital Association Webinar. Initiation of Buprenorphine in the ED. March 25.  
Opioid Response Network (STR-TA) Webinar/ACEP: The Next Steps: Opioid Use Disorder Care After the ED. Feb 20.  
Stanford University. Palo Alto, CA. Grand Rounds. Department of Emergency Medicine. The Opioid Epidemic. Jan 16.

## **2018**

Valley Hospital, Grand Rounds. Do No Harm: Strategies for Opioid Prescribing. Ridgewood, NJ. Oct 18.  
Mount Sinai School of Medicine. Grand Rounds, Department of Pediatrics. Pediatric Opioid Epidemic. April 12.  
Christiania Grand Rounds. Ethanol Withdrawal: Shaken Not Stirred. Newark, DE. March 29.  
Rutgers New Jersey Medical School. Grand Rounds, Department of Neurology. Opioid Epidemic. Feb 28.  
UCSF Oakland/Highland Hospital. Visiting Professor. Tough Toxic Cases. February 21.  
Englewood Hospital and Medical Center. Opioid Epidemic. Englewood, NJ. Jan 11.

## **2017**

Robert Wood Johnson Medical School. Grand Rounds, Internal Medicine. Longing for the Days of Reefer Madness: The Changing (and Scary) Landscape of Synthetic Drugs of Abuse. November 18.  
University of Washington, Harborview Medical Center. Grand Rounds. Department of Emergency Medicine. The Three Faces of the Opioid Epidemic. June 15.  
*Newark Beth Israel Medical Center*. Grand Rounds. Emergency Medicine. Anti-dont's: Pitfalls and Pearls in Poisoning Management. May 3.  
*NJTV Knock Out Opioid Abuse*. Town Hall Meeting Series. Televised. April 4.  
*Combatting Opioids and the Addiction Crisis*. Moderator. Emergency Physicians and the Opioid Epidemic. Drew University. April 3.  
*Jersey Matters*, Town Hall. Panelist. Monmouth University. March 16.  
Rutgers New Jersey Medical School. Terror Medicine Elective. Chemical Terrorism. March 2.  
Kaiser Permanente, San Diego Medical Center. Grand Rounds. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Feb 23.  
Rutgers New Jersey Medical School. 1<sup>st</sup> year core. A Toxic Tour of the Neuromuscular Junction, Feb 1.  
Pharmacology and Toxicology of Street Drugs, Feb 2. Large group Simulation Session, Feb 2.  
University of Alabama at Birmingham. Grand Rounds. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Jan 26

## **2016**

Robert Wood Johnson Medical School, Rutgers. Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Nov 9

New York City Office of the Chief Medical Examiner. Pediatric poisoning fatalities. Oct 6  
NYU School of Dental Medicine. Pain “Killers” and Dentistry: A Review of Practices, Regulations and the Opioid Crisis. June 29  
Drug Policy Alliance, New York City. Novel Psychoactive Substances. June 12  
Cooper Hospital, Camden NJ. Internal Medicine & Emergency Medicine Joint Grand Rounds. Challenges in the Management of Alcohol Withdrawal. April 21.  
Cornell University. Grand Rounds. Department of Psychiatry. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. March 30  
Truman Medical Center, University of Missouri at Kansas City. Emergency Medicine Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. March 17.  
Texas A&M University. Emergency Medicine Grand Rounds. Scott & White Hospital, Temple Tx. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Jan 28

## **2015**

New York University School of Medicine. Grand Rounds. Division of Pain Medicine. Controversies in Opioid Pharmacotherapy. November 23.  
New York Hospital of Queens. Emergency Medicine/Critical Care Medicine Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Oct 21  
Hackensack University. EM Residency. Grand Rounds. New and Unique Drugs of Abuse. June 10.  
University of New Mexico in Albuquerque, Patrick McKinney Memorial Lecture. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Feb 11.  
New York University School of Medicine. Department of Pediatrics. Pediatric Case Conference. Cocaine Intoxication. January 30.

## **2014**

Beth Israel Medical Center. Department of Emergency Medicine, Grand Rounds. AntiDont’s. December 3.  
University of Calgary and the Alberta Poison and Drug Information Service. Not for Human Consumption: Incense, Bath Salts, and Synthetic "Marijuana"; Panel: Keep Calm and Ask a Toxicologist. Calgary, Canada. Nov 15.  
New York State Department of Health. Commissioner's Medical Grand Rounds. New York Academy of Medicine. Prescription Drug Abuse & Pain Management. October 23.  
Brooklyn Hospital Center. Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. October 15.  
New York University School of Medicine. Grand Rounds. Division of Pain Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. October 10.  
Columbia University College of Physicians and Surgeons. Grand Rounds. The Concomitant Epidemics of Nonmedical Use of Prescription Opioids and New Drugs of Abuse. Department of Pediatrics. Aug 8.  
Columbia University College of Physicians and Surgeons. Grand Rounds. Department of Emergency Medicine. Antidont’s for Poisoning. Aug 6.  
Wayne State University. Grand Rounds. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Antidont’s for Poisoning. July 31  
Johns Hopkins University. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. April 25.  
McGill University Health Center, Montreal, Canada. Grand Rounds, Royal Victoria Hospital Academic Day. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids; Antidont’s to Poisoning. April 9.  
Columbia University/New York Botanical Garden. Graduate Program in Ecology and Economic Botany. Plant Poisoning. March 5.  
University of Maryland, Baltimore, MD. Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Feb 12.  
Christiana Medical Center, Wilmington, DE. Grand Rounds. Antidont’s for Poisoning. January 30.

Emory University School of Medicine, Atlanta, GA. Department of Emergency Medicine, Grand Rounds. Antidont's for Poisoning. January 21.

### **2013**

Beth Israel Medical Center. Department of Emergency Medicine, Grand Rounds. The Toxic Limb. December 18.

Princeton Medical Center. Department of Internal Medicine, Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. December 17.

New York University School of Medicine. Department of Internal Medicine. Lunch Rounds. Antidont's to Poisoning. December 16. (encore)

New York University School of Medicine. Department of Internal Medicine. Lunch Rounds. Antidont's for Poisoning. August 30.

Columbia University School of Medicine. Division of Pediatric Emergency Medicine. Grand Rounds. New and Unique Drugs of Abuse. August 29.

Upstate Medical Center, SUNY Syracuse. Department of Emergency Medicine. Grand Rounds. The New Opium Wars: Opioid Analgesic Misuse. June 19.

Weill Cornell School of Medicine. Division of Cardiology, Department of Internal Medicine. Grand Rounds. Antidotal Approach to Cardiotoxic Overdoses. June 17.

New York University School of Medicine. Autonomic Pharmacology. January 11.

University of Medicine and Dentistry of New Jersey. Department of Internal Medicine. Grand Rounds. The New Opium Wars: Opioid Analgesic Misuse. January 2.

### **2012**

Beth Israel Medical Center. Department of Emergency Medicine, Grand Rounds. The New Opium War: Opioid Analgesic Misuse. December 5.

Staten Island University Hospital. Internal Medicine. Grand Rounds. The New Opium War: Opioid Analgesic Misuse. October 19.

New York University School of Medicine. Division of Pain Medicine. Grand Rounds. Opioid Analgesic Misuse Epidemic. August 22.

Mount Sinai School of Medicine. Department of Pediatrics. Grand Rounds. Drugs of Abuse. June 21.

New York University School of Medicine. Pulmonary and Critical Care Medicine. Grand Rounds. Alcohol Withdrawal. June 18.

Woodhull Hospital, Department of Emergency Medicine. Grand Rounds. Common Poisonings in the ED. May 23.

Columbia University/New York Botanical Garden. Graduate Program in Ecology and Economic Botany. Plant Poisoning. Feb 16.

University of Medicine and Dentistry of New Jersey. Department of Internal Medicine. Grand Rounds. New and Unique Drugs of Abuse. February 15.

Weill Cornell School of Medicine. Department of Internal Medicine. Grand Rounds. New and Unique Drugs of Abuse: Incense, Bath Salts, and Legal Heroin. February 7.

New York University School of Medicine. Autonomic Pharmacology. January 12.

New York Pediatric Critical Care Society. Grand Rounds. Legal Heroin: The Current Epidemic of Prescription Opioid Poisoning. January 9.

### **2011**

Princeton Hospital. Department of Medicine, Grand Rounds. Anti-Dont's. December 13.

Beth Israel Medical Center. Department of Emergency Medicine, Grand Rounds. New and Unique Drugs of Abuse. November 30.

New York State American College of Emergency Physicians, New York Academy of Medicine. Emergency Medicine Career Day. Medical Toxicology Fellowship. November 2.

New York University School of Medicine. Wilderness Medicine Club. Mushroom Poisoning. October 28.  
Office of the Chief Medical Examiner, NYC. Prescription Opioid Death. October 28.  
New York University School of Medicine. Autonomic Pharmacology. October 4.  
University of Alabama. Department of Emergency Medicine. New and Unique Drugs of Abuse. June 16.  
New York University School of Medicine. Critical Care Medicine. Alcohol Withdrawal. April 27.  
Metropolitan Hospital. Department of Pediatrics. Grand Rounds. New Drugs of Abuse. April 21.  
Valley Hospital, Ridgewood, NJ. Department of Pediatrics. Legal Heroin: The Current Epidemic of  
Prescription Opioid Poisoning. April 5.  
New York University School of Medicine. Introduction to Toxicologic Principles. January 27.

## **2010**

Lincoln Hospital and Medical Center. Department of Pediatrics. Pediatric Poisoning and Antidote Use.  
December 16.  
New York University School of Medicine. Autonomic Pharmacology. October 14.  
Metropolitan Hospital. Department of Pediatrics Grand Rounds. Pediatric Poisoning. April 28.  
Columbia University/New York Botanical Garden. Graduate Program in Ecology and Economic Botany. Plant  
Poisoning. March 2.  
Stony Brook School of Medicine. Department of Emergency Medicine. Anti-Dont's. February 2.  
New York University School of Medicine. Introduction to Toxicologic Principles. January 29.

## **2009**

Pharmacology Course. New York University School of Medicine. Department of Pharmacology (second year  
medical students). Basic and Clinical Autonomic Pharmacology, October 8; Workshops, October 14.  
Simulation sessions, October 19.  
Albert Einstein Medical Center, Philadelphia, PA. Alcohol Withdrawal. November 4.  
New York University School of Medicine. Advance Science Seminar: Pulmonary toxins, June 24.  
New York University School of Medicine. Advance Science Seminar: Opioids, July 2.  
Harlem Hospital. Grand Rounds, Department of Pediatrics. Antidotes in Pediatric Poisoning. April 23.

## **2008**

New York University, Emergency Medicine. Poisoning by Hypoglycemics. November 26.  
Pharmacology Course. New York University School of Medicine. Department of Pharmacology (second year  
medical students). Basic and Clinical Autonomic Pharmacology, October 8; Workshops, October 14.  
Simulation sessions, October 17..  
New York City Office of the Chief Medical Examiner. Mushroom poisoning. September 25.  
John Jay College of Criminal Justice. Forensic Poisoning Epidemics in New York City. April 30.  
New York University School of Medicine. Introduction to Toxicologic Principles. February 13.  
New York University School of Medicine. Joint Emergency Medicine/Internal Medicine Conference.  
Salicylate Poisoning. January 30.

*[Lectures prior to 2008 available upon request.]*