

Lewis S. Nelson M.D. & Curriculum Vitae &

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

2020-present: Professor, Department of Pharmacology, Physiology and Neuroscience, 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, Emergency Department, 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

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 (Emergency Medicine)

Medical Toxicology Subboard (via ABEM) (Medical Toxicology)

American Board of Preventive Medicine (Addiction Medicine)

CURRENT/RELEVANT 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 Emergency Medicine (ABEM)

Board of Directors, Member, 2013-present; Senior Member-at-Large, 2020-

Qualifying Examination, Editor (2016-present); Co-editor (2013-2016)

Liaison to Medical Toxicology Subboard, 2013-present

Research Committee Chair, 2017-present

Oral Board Examiner, 2007-present

Item Writer, Emergency Medicine Qualifying (written) Examination, 2010-present

Accreditation Council for Continuing Medical Education (ACCME)

Board of Directors, 2017-present

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 '

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

Food and Drug Administration (FDA)

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

Medical Toxicology Subboard

Medical Toxicology Core Content Task Force. 2010-2012. ABEM representative.

American Board of Emergency Medicine Liaison, 2014-present.

National Academy of Medicine

Health Policy Fellowship and Leadership Program Advisory Board, 2019-present
NAM Opioid Action Collaborative Network for Rutgers University, 2019-present
Substance Abuse and Mental Health Services Administration (SAMHSA)
Technical Assistant (STR-TA), State Targeted Response Technical Assistance Consortium, 2018-

EDITORIAL POSITIONS, JOURNALS

Annals of Emergency Medicine
Associate Editor, 2014-present
Editorial Board, 2007-2014
Decision Editor, 2006-2007
Journal of Medical Toxicology
Editorial Board, 2012-present

PUBLICATIONS

TEXTBOOKS

Current editions:

Nelson LS, Balick MJ. Handbook of Poisonous and Injurious Plants, 3rd Edition. Springer/New York Botanical Garden. New York, NY. 2020 (ISBN-13: 978-1493989249)
Nelson LS, Howland MA, Lewin N, Smith SW, Goldfrank LR, Hoffman RS. Goldfrank's Toxicologic Emergencies, 11th 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. 2017-2020. [e-book] <http://painandpsa.org>

PEER REVIEWED JOURNALS [LAST 10 YEARS]

1. ' Midthun KM, Nelson LS, Logan BK. Levamisole - A Toxic Adulterant in Illicit Drug Preparations: A Review. Ther Drug Monit. 2020 Dec 7. Online ahead of print. PMID: 33298746
2. ' Jefri MY, Nelson LS. Comment on Comparison of rates of opioid withdrawal symptoms and reversal of opioid toxicity in patients treated with two naloxone dosing regimens. Clin Toxicol (Phila). 2021 Jan;59(1):79-80. Epub 2020 Nov 6. PMID: 33156706
3. ' Wightman RS, Perrone J, Scagos R, Krieger M, Nelson LS, Marshall BDL. Opioid Overdose Deaths with Buprenorphine Detected in Postmortem Toxicology: A Retrospective Analysis. J Med Toxicol. 2021 Jan;17(1):10-15. PMID: 32648229.
4. ' Meaden CW, Ramdin C, Nelson LS. Pain Score, Opioid Administration, and Delirium: A Confounded Relationship. Acad Emerg Med. 2021 Jan;28(1):144. PMID: 32785998.
5. ' Lindsay DL, Freedman K, Jarvis M, Lincoln P, Williams J, Nelson LS, Safarian T. Executive Summary of the American Society of Addiction Medicine (ASAM) Clinical Practice Guideline on Alcohol Withdrawal Management. J Addict Med. 2020 Sep/Oct;14(5):376-392. PMID: 32909985.
6. ' Beauchamp GA, Nelson LS, Perrone J, Lyons MS. A theoretical framework and nomenclature to characterize the iatrogenic contribution of therapeutic opioid exposure to opioid induced hyperalgesia, physical dependence, and opioid use disorder. Am J Drug Alcohol Abuse. 2020 Nov;46(6):671-683. PMID: 32897113.
7. ' Davis GG, Cadwallader AB, Fligner CL, Gilson TP, Hall ER, Harshbarger KE, Kronstrand R, Mallak CT, McLemore JL, Middleberg RA, Middleton OL, Nelson LS, Rogalska A, Tonsfeldt E, Walterscheid JP, Winecker RE. Position Paper: Recommendations for the Investigation, Diagnosis, and Certification of Deaths Related to Opioid and Other Drugs. Am J Forensic Med Pathol. 2020 Sep;41(3):152-159. PMID: 32404634.
8. ' Mazer-Amirshahi M, Motov S, Nelson LS. Primum Non Nocere: Even a Little High Is Still High. Acad Emerg Med. 2020 Nov;27(11):1209-1211. PMID: 32383317.

9. ' Stolbach A, Mazer-Amirshahi M, Schwarz ES, Juurlink D, Wiegand TJ, Nelson LS. ACMT Position Statement: Caring for Patients with Opioid Use Disorder during Coronavirus Disease Pandemic. *J Med Toxicol.* 2020 Oct;16(4):484-486. PMID: 32748068;
10. ' Rockett IRH, Caine ED, Connery HS, Nolte KB, Nestadt PS, Nelson LS, Jia H. Unrecognized self-injury mortality (SIM) trends among racial/ethnic minorities and women in the USA. *Inj Prev* 2020 Oct;26(5):439-447. PMID: 31551367.
11. ' Meaden CW, Procopio G, Calello DP, Nelson LS, Ruck B, Gupta A, Jacob JE. Carbon tetrachloride poisoning from an antique fire extinguisher. *Am J Emerg Med.* 2020 Oct;38(10):2139-2141. PMID: 33071087.
12. ' Farmer BM, Cole JB, Olives TD, Farrell NM, Rao R, Nelson LS, Mazer-Amirshahi M, Stolbach AI. ACMT Position Statement: Medication Administration and Safety During the Response to COVID-19 Pandemic. *J Med Toxicol.* 2020 Oct;16(4):481-483. PMID: 32617893
13. ' Mazer-Amirshahi M, Sun C, Koroshetz L, Soares RW, Kumar A, Calello DP, Perrone J, Nelson LS. Emergency department patients' perceptions of the efficacy and safety of opioid analgesics. *J Opioid Manag.* 2020 Jul/Aug;16(4):239-246. PMID: 32885831.
14. ' Mazer-Amirshahi M, Motov S, Nelson LS. Intravenous Acetaminophen and Hydromorphone: The Bad and the Ugly of Emergency Department Pain Management. *Acad Emerg Med.* 2020 Aug;27(8):793-794. PMID: 32315463.
15. ' Stolbach AI, Mazer-Amirshahi M, Marino R, Nelson LS, Sugarman J. ACMT Position Statement: Off-Label Prescribing during COVID-19 Pandemic. *J Med Toxicol.* 2020 Jul;16(3):342-345. PMID: 32500283.
16. ' Mozeika AM, Ruck BE, Nelson LS, Calello DP. Opioid-Associated Hearing Loss: A 20-Year Review from the New Jersey Poison Center. *J Med Toxicol.* 2020 Oct;16(4):416-422. PMID: 32468345
17. ' Nelson LS, Keim SM, Ankel FK, Beeson MS, Calderon Y, Chudnofsky CR, Goyal DG, Gausche-Hill M; Research Committee, American Board of Emergency Medicine, Clark-Roumpz LA, Purosky RG, Johnston MM; American Board of Emergency Medicine. American Board of Emergency Medicine Report on Residency and Fellowship Training Information (2019-2020). *Ann Emerg Med.* 2020 May;75(5):648-667. PMID: 32336429.
18. ' Mazer-Amirshahi M, Fox ER, Nelson LS, Smith SW, Stolbach AI. ACMT Position Statement on Prescription Drug Shortages. *J Med Toxicol.* 2020 Jul;16(3):349-351. PMID: 32297150.
19. ' Mycyk MB, Siegelman JN, Nelson LS. The Vice Chair Position in Emergency Medicine Deserves Continued Support. *AEM Educ Train.* 2020 Mar 12;5(1):145-146. PMID: 33521504
20. ' Strayer RJ, Hawk K, Hayes BD, Herring AA, Ketcham E, LaPietra AM, Lynch JJ, Motov S, Repanshek Z, Weiner SG, Nelson LS. Management of Opioid Use Disorder in the Emergency Department: A White Paper Prepared for the American Academy of Emergency Medicine. *J Emerg Med.* 2020 Mar;58(3):522-546. PMID: 32234267.
21. ' Nelson LS, Mazer-Amirshahi M, Perrone J. Opioid Deprescribing in Emergency Medicine-A Tool in an Expanding Toolkit. *JAMA Netw Open.* 2020 Mar 2;3(3):e201129. PMID: 32211866.
22. ' Nelson LS, Keim SM, Ankel FK, Beeson MS, Calderon Y, Chudnofsky CR, Goyal DG, Gausche-Hill M; Research Committee, American Board of Emergency Medicine, Clark-Roumpz LA, Purosky RG, Johnston MM; American Board of Emergency Medicine. American Board of Emergency Medicine Report on Residency and Fellowship Training Information (2019-2020). *Ann Emerg Med.* 2020 May;75(5):648-667. PMID: 32336429.
23. ' Strayer RJ, Nelson LS. Opioid Prescribing From the Emergency Department: Number Needed to Harm Must Account for the Magnitude of Benefits and Harms. *Ann Emerg Med.* 2020 May;75(5):676. PMID:32336436.
24. ' Tebo C, Mazer-Amirshahi M, Zocchi MS, Gibson C, Rosenwohl-Mack S, Hsia RY, Fox ER, Nelson LS, Pines J. The rising cost of commonly used emergency department medications (2006-15) Epub ahead of print.. *Am J Emerg Med.* PMID 32081556

25. ' Zerbo E, Traba C, Matthew P, Chen S, Holland BK, Levounis P, Nelson LS, Lamba S. DATA 2000 waiver training for medical students: Lessons learned from a medical school experience. *Subst Abus.* 2020;41(4):463-467. PMID: 32031914.
26. ' Kunzler NM, Wightman RS, Nelson LS. Opioid Withdrawal Precipitated by Long-Acting Antagonists. *J Emerg Med.* 2020 Feb;58(2):245-253. PMID: 32005608.
27. ' Connors N, Kosnett MJ, Kulig K, Nelson LS, Stolbach AI. ACMT Position Statement: Interpretation of Urine for Tetrahydrocannabinol Metabolites. *J Med Toxicol.* 2020 Apr;16(2):240-242. PMID: 3193905.3.
28. ' Carpenter J, Murray B, Mazer-Amirshahi M, Laes J, Nacca N, Nelson LS, Perrone J, Schwarz E, Wiegand T, Wax P. Leadership Roles in Opioid Stewardship and the Treatment of Patients with Opioid Use Disorder Among Medical Toxicologists. *J Med Toxicol.* 2020 Apr;16(2):204-211. PMID: 31863312
29. ' Nelson LS, Duhigg LM, Arnold GK, Lipner RS, Harvey AL, Reisdorff EJ. The Association Between Maintaining American Board of Emergency Medicine Certification and State Medical Board Disciplinary Actions. *J Emerg Med.* 2019 Dec;57(6):772-779. PMID: 31607523.
30. ' Fox L, Nelson LS. Emergency Department Initiation of Buprenorphine for Opioid Use Disorder: Current Status, and Future Potential. *CNS Drugs.* 2019 Dec;33(12):1147-1154. PMID: 31552608.
31. ' 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 Dec;57(12):1129-1136. PMID: 31328583
32. ' Strayer RJ, Herring AA, Nelson LS. Balancing Benefits and Harms on the Frontier of Buprenorphine Initiation. *Ann Emerg Med.* 2019 Sep;74(3):433-435. PMID: 31229393
33. ' Dayaa JA, Bush M, Richmond NL, Nelson LS, Platts-Mills TF. Patient health literacy and the receipt of opioids in the emergency department. *J Opioid Manag.* 2019 Jul/Aug;15(4):267-271. PMID: 31637678.
34. ' 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;15(4):307-309. PMID: 31414402
35. ' 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
36. ' 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; PMCID: PMC6597667.
37. ' 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
38. ' 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
39. ' 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
40. ' 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
41. ' 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
42. ' 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
43. ' 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
 44. ' 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
 45. ' 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
 46. ' Nelson LS. Are abuse-deterrent opioid formulations all they are crushed up to be? *Addiction*. 2019 Mar;114(3):401-402. PMID: 30397972
 47. ' 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
 48. ' 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
 49. ' Santos C, Adam A, Calello D, Nelson L. Safety of a Brief Emergency Department Observation Protocol for Patients With Presumed Fentanyl Overdose. *Ann Emerg Med*. 2019 Jan;73(1):99-100. PMID: 30577966
 50. ' Mazer-Amirshahi M, Ladkany D, Mullins PM, Motov S, Perrone J, Nelson LS, Pines JM. Trends in and predictors of hydromorphone administration in US emergency departments (2007-2014). *J Opioid Manag*. 2018 Jul/Aug;14(4):265-272. PMID: 30234923
 51. ' Rockett IRH, Caine ED, Stack S, Connery HS, Nolte KB, Lilly CL, Miller TR, Nelson LS, Putnam SL, Nestadt PS, Jia H. Method overtness, forensic autopsy, and the evidentiary suicide note: A multilevel National Violent Death Reporting System analysis. *PLoS One*. 2018 May 22;13(5):e0197805. doi: 10.1371/journal.pone.0197805. PMID: 29787584
 52. ' Nelson LS, Keim SM, Baren JM, Beeson MS, et al. for the American Board of Emergency Medicine. ABEM Report on Residency and Fellowship Training Information (2017-2018). *Ann Emerg Med*. 2018;71(5):636-648. PMID: 29681310
 53. ' Wightman RS, Nelson LS, Lee JD, Fox LM, Smith SW. Severe opioid withdrawal precipitated by Vivitrol®. *Am J Emerg Med*. 2018;36(6):1128.e1-1128. PMID: 29605483
 54. ' Mazer-Amirshahi M, Motov S, Nelson LS. Hydromorphone use for acute pain: Misconceptions, controversies, and risks. *J Opioid Manag*. 2018;14(1):61-71. PMID: 29508897
 55. ' Rockett IRH, Caine ED, Connery HS, D'Onofrio G, Gunnell DJ, Miller TR, Nolte KB, Kaplan MS, Kapusta ND, Lilly CL, Nelson LS, Putnam SL, Stack S, Värnik P, Webster LR, Jia H. Discerning suicide in drug intoxication deaths: Paucity and primacy of suicide notes and psychiatric history. *PLoS One*. 2018;13(1):e0190200. PMID: 29320540
 56. ' Stolbach A, Bebart V, Beuhler M, Carstairs S, Nelson L, Wahl M, Wax PM, McKay C. ACMT Position Statement: Alternative or Contingency Countermeasures for Acetylcholinesterase Inhibiting Agents. *J Med Toxicol*. 2018 Sep;14(3):261-263. PMID: 29667118
 57. ' Weiner SG, Baker O, Rodgers AF, Garner C, Nelson LS, Kreiner PW, Schuur JD. Opioid Prescriptions by Specialty in Ohio, 2010-2014. *Pain Med*. 2018;19(5):978-989. PMID: 28339965
 58. ' Mazer-Amirshahi M, Stolbach A, Nelson LS. ACMT Position Statement: Addressing the Rising Cost of Prescription Antidotes. *J Med Toxicol*. 2018;14(2):168-171. PMID: 29185196
 59. ' Nagel FW, Kattan JA, Mantha S, Nelson LS, Kunins HV, Paone D. Promoting Health Department Opioid-Prescribing Guidelines for New York City Emergency Departments: A Qualitative Evaluation. *J Public Health Manag Pract*. 2018; 24(4):306-309. PMID: 29084121
 60. ' Love JS, Perrone J, Nelson LS. Should Buprenorphine Be Administered to Patients with Opioid Withdrawal in the Emergency Department? *Ann Emerg Med*. 2017; 72(1):26-28. PMID: 29103795

61. ' Cole JB, Nelson LS. Controversies and carfentanil: We have much to learn about the present state of opioid poisoning. *Am J Emerg Med.* 2017;35(11):1743-1745. PMID: 28851500
62. ' Moss MJ, Warrick BJ, Nelson LS, McKay CA, Dubé PA, Gosselin S, Palmer RB, Stolbach AI. ACMT and AACT Position Statement: Preventing Occupational Fentanyl and Fentanyl Analog Exposure to Emergency Responders. *J Med Toxicol.* 2017;13(4):347-351. PMID: 28842825
63. ' Chary M, Genes N, Giraud-Carrier C, Hanson C, Nelson LS, Manini AF. Epidemiology from Tweets: Estimating Misuse of Prescription Opioids in the USA from Social Media. *J Med Toxicol.* 2017;13(4):278-286. PMID: 28831738
64. ' Lucyk SN, Nelson LS. Toxicosurveillance in the US opioid epidemic. *Int J Drug Policy.* 2017;46:168-171. PMID: 28735771
65. ' Mazer-Amirshahi M, Motov S, Nelson L. The Contribution of the Emergency Department to Opioid Pain Reliever Misuse and Diversion: A Critical Review. [Letter]. *Pain Pract.* 2017;17(8):1122. PMID: 28557292
66. ' Weiner SG, Baker O, Poon SJ, Rodgers AF, Garner C, Nelson LS, Schuur JD. The Effect of Opioid Prescribing Guidelines on Prescriptions by Emergency Physicians in Ohio. *Ann Emerg Med.* 2017 70(6):799-808 PMID: 28549620
67. ' American Board of Emergency Medicine Report on Residency and Fellowship Training Information (2016-2017). Marco CA, Nelson LS, Baren JM, Beeson MS, Carius ML, Chudnofsky CR, Gausche-Hill M, Goyal DG, Keim SM, Kowalenko T, Muelleman RL. *Ann Emerg Med.* 2017 May;69(5):640-652. PMID: 28442084
68. ' Strayer RJ, Motov SM, Nelson LS. Reply to: Caution using the new "no pain no gain" approach. *Am J Emerg Med.* 2017;35(10):1564 PMID: 28408052
69. ' Wightman RS, Perrone J, Erowid F, Erowid E, Meisel ZF, Nelson LS. Comparative Analysis of Opioid Queries on Erowid.org: An Opportunity to Advance Harm Reduction. 2017 Aug 24;52(10):1315-1319. PMID: 28394703
70. ' Neavyn MJ, Stolbach A, Greer DM, Nelson LS, Smith SW, Brent J, Tormoehlen LM; American College of Medical Toxicology. ACMT Position Statement: Determining Brain Death in Adults After Drug Overdose. *J Med Toxicol.* 2017;13(3):271-273 PMID: 28255927
71. ' Wightman RS, Nelson LS. Has the die been cast? Discharge of body stuffers from the Emergency Department. *Eur J Emerg Med.* 2017 Feb;24(1):76. PMID: 27984370
72. ' Pomerleau AC, Perrone J, Hoppe JA, Salzman M, Weiss PS, Nelson LS. Impact of Prior Therapeutic Opioid Use by Emergency Department Providers on Opioid Prescribing Decisions. *West J Emerg Med.* 2016 Nov;17(6):791-797. PMID: 27833690
73. ' Strayer RJ, Motov SM, Nelson LS. Something for pain: Responsible opioid use in emergency medicine. *Am J Emerg Med.* 2017 Feb;35(2):337-341. PMID 27802876
74. ' Stolbach AI, Nelson LS. Choosing Opioid Policies Our Patients Can Live With. *Acad Emerg Med.* 2016 Nov;23(11):1290-1292. PMID: 27343859
75. ' Lucyk SN, Nelson LS. Novel Synthetic Opioids: An Opioid Epidemic Within an Opioid Epidemic. *Ann Emerg Med.* 2017 Jan;69(1):91-93. PMID: 27745765
76. ' Mazer-Amirshahi M, Mullins PM, Sun C, Pines JM, Nelson LS, Perrone J. Trends in Opioid Analgesic Use in Encounters Involving Physician Trainees in U.S. Emergency Departments. *Pain Med.* 2016 Dec;17(12):2389-2396. PMID: 28025373
77. ' Blum CJ, Nelson LS, Hoffman RS. A survey of Physicians' Perspectives on the New York State Mandatory Prescription Monitoring Program (ISTOP). *J Subst Abuse Treat.* 2016;70:35-43. PMID: 27692186
78. ' Rockett IR, Lilly CL, Jia H, Larkin GL, Miller TR, Nelson LS, Nolte KB, Putnam SL, Smith GS, Caine ED. Self-injury Mortality in the United States in the Early 21st Century: A Comparison with Proximally Ranked Diseases. *JAMA Psychiatry.* 2016 Oct 1;73(10):1072-1081. PMID: 27556270
79. ' Goett R, Todd KH, Nelson LS. Addressing the Challenge of Emergency Department Analgesia: Innovation in the Use of Opioid Alternatives. *J Pain Palliat Care Pharmacother.* 2016 Sep;30(3):225-7.

80. ' Wightman RS, Nelson LS. Opioid Prescribing: How Well Do We Know Ourselves? J Med Toxicol. 2016 Sep;12(3):221-3. PMID: 27492362
81. ' Poon SJ, Nelson LS, Hoppe JA, Perrone J, Sande MK, Yealy DM, Beeson MS, Todd KH, Motov SM, Weiner SG. Consensus-Based Recommendations for an Emergency Medicine Pain Management Curriculum. J Emerg Med. 2016 Aug;51(2):147-54. PMID: 27369855
82. ' Motov SM, Nelson LS. Advanced Concepts and Controversies in Emergency Department Pain Management. Anesthesiol Clin. 2016 Jun;34(2):271-85. PMID 27208710
83. ' Replinger DJ, Hoffman RS, Nelson LS, Hines EQ, Howland M, Su MK. Lack of significant bleeding despite large acute rivaroxaban overdose confirmed with whole blood concentrations. Clin Toxicol (Phila). 2016 Sep;54(8):647-9. PMID: 27251583
84. Connors NJ, Nelson LS. The Evolution of Recommended Naloxone Dosing for Opioid Overdose by Medical Specialty. J Med Toxicol. 2016 Sep;12(3):276-81. PMID: 27271032
85. ' Hayes BD, Nelson LS. Response to: Evaluation of Early Dexmedetomidine Addition to the Standard of Care for Severe Alcohol Withdrawal in the ICU: A Retrospective Controlled Cohort Study. [Letter] Intensive Care Med. 2016 Jun;31(5):353-4. PMID: 27139007
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[Publications prior to 2010 are available on request (#160)]

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11. Nelson LS, Hoffman RS: Inhaled Toxins. In: Walls R, Hochberger RS, Gausche-Hill M, editors. Rosen's Emergency Medicine: Concepts and Clinical Practice, 9th Edition. Elsevier. Philadelphia, PA. 2017
12. Lucyk S, Nelson LS. Opioids. In: Brent J, Burkhart K, Dargan P, Hatten B, Megarbane B, Palmer R, editors. Critical Care Toxicology, 2e. Switzerland: Springer International Publishing; 2017.
13. Lucyk S, Nelson LS. Opioid Receptor Antagonists. In: Brent J, Burkhart K, Dargan P, Hatten B, Megarbane B, Palmer R, editors. Critical Care Toxicology, 2e. Switzerland: Springer International Publishing; 2017.
14. Bouchard NB, Nelson LS. Opioid Poisoning. In: Vincent JL, Abraham E, Kochanek PM, Moore F, Fink MP. Textbook of Critical Care, 7th Edition. Elsevier, Philadelphia, PA. 2016.
15. Farmer BM, Nelson LS: Dyshemoglobinemias. In: Stapczynski S, Ma OJ, Yealy DM, Meckler GD, Cline DM, Eds. Tintinalli Emergency Medicine, 8th Edition. McGraw-Hill. New York. 2016
16. Long H, Nelson LS: Metals and Metalloids. In: Stapczynski S, Ma OJ, Yealy DM, Meckler GD, Cline DM, Eds. Tintinalli Emergency Medicine, 8th Edition. McGraw-Hill. New York. 2016

17. Hung OL, Nelson LS: Acetaminophen. In: Stapczynski S, Ma OJ, Yealy DM, Meckler GD, Cline DM, Eds. Tintinalli Emergency Medicine, 8th Edition. McGraw-Hill. New York. 2016
18. Hernandez SH, Nelson LS: Iron poisoning. In: Stapczynski S, Ma OJ, Yealy DM, Meckler GD, Cline DM, Eds. Tintinalli Emergency Medicine, 8th Edition. McGraw-Hill. New York. 2016
19. Chen BC, Nelson LS: Poisonous plants. In: Stapczynski S, Ma OJ, Yealy DM, Meckler GD, Cline DM, Eds. Tintinalli Emergency Medicine, 8th Edition. McGraw-Hill. New York. 2016
20. Nelson LS, Ford M. Acute Poisoning. Goldman & Schafer, Eds. Cecil's Textbook of Medicine, 25th Edition. Elsevier. New York, NY. 2015
21. Lugassy D, Nelson LS: Postmortem pathological and biochemical diagnosis of cyanide poisoning. In: Hall AH, Isom GE, Rockwood GA, Eds. Toxicology of Cyanides and Cyanogens: Experimental, Applied and Clinical Aspects. Wiley-Blackwell. West Sussex, UK. 2015
22. Wiener S, Nelson LS: Nicotinic agent attack. In: Ciottone R, et al. Disaster Medicine, 2nd Edition. Elsevier. New York, NY. 2015.
23. Barrueto F, Nelson LS: Antimuscarinic agent attack. In: Ciottone R, et al. Disaster Medicine, 2nd Edition. Elsevier. New York, NY. 2015.
24. Soghoian S, Nelson LS. Dietary Supplements. In: Wolfson AB, Cloutier RL, Hendey GW, et al. Harwood-Nuss' Clinical Practice of Emergency Medicine, 6th Edition. Lippincott Williams & Wilkins. Philadelphia, PA. 2015
25. Nelson LS. Drug Withdrawal. In: Wolfson AB, Cloutier RL, Hendey GW, et al. Harwood-Nuss' Clinical Practice of Emergency Medicine, 6th Edition. Lippincott Williams & Wilkins. Philadelphia, PA. 2015
26. Shawn L, Nelson LS. Metabolic inhibitors. In: Arbo JE, Ruoss SJ, Lighthall GK, Jones MP. Decision Making in Emergency Critical Care. Wolters Kluwer. Philadelphia, PA. 2014
27. Chen BC, Nelson LS. Anticoagulants In: Arbo JE, Ruoss SJ, Lighthall GK, Jones MP. Decision Making in Emergency Critical Care. Wolters Kluwer. Philadelphia, PA. 2014
28. Nelson LS, Hoffman RS: Inhaled Toxins. In: Rosen's Emergency Medicine: Concepts and Clinical Practice, 8th Edition. Editor: Marx J, Hochberger RS, Walls RM. Elsevier-Mosby. Philadelphia, PA. 2014
29. Rivers CM, Henretig F, Nelson LS. Neurotoxicology. In: Abend N, Helfaer M. Pediatric Neurocritical Care. Demos Medical Publishing. New York, NY. 2013
30. Shawn LK, Nelson LS. Benzodiazepines. In: Kwong T, Magnani B, Rosano T, Orsulak P, Shaw L. The Clinical Toxicology laboratory: Contemporary Practice of Poisoning Evaluation, 2nd Edition. American Association for Clinical Chemistry. Washington, DC. 2013
31. Fulton JF, Nelson LS. Anticholinergics. In: Adams JG. Emergency Medicine: Clinical Essentials. 2nd Edition. Elsevier. Philadelphia, PA. 2013.
32. Bouchard NB, Nelson LS. Opioid Poisoning. In: Vincent JL, Abraham E, Moore FA, Kochanek PM, Fink MP. Textbook of Critical Care, 6th Edition. Elsevier-Saunders, Philadelphia, PA. 2011.
33. Soghoian S, Nelson LS. Dietary Supplements. In: Wolfson AB, Hendey GW, Ling LJ, et al. Harwood-Nuss' Clinical Practice of Emergency Medicine, 5th Edition. Lippincott Williams & Wilkins. Philadelphia, PA. 2010
34. Farmer B, Nelson LS. Seafood Toxins. In: Wolfson AB, Hendey GW, Ling LJ, et al. Harwood-Nuss' Clinical Practice of Emergency Medicine, 5th Edition. Lippincott Williams & Wilkins. Philadelphia, PA. 2010
35. Nelson LS, Hoffman RS: Inhaled Toxins. In: Rosen's Emergency Medicine: Concepts and Clinical Practice, 7th Edition. Editor: Marx J, Hochberger RS, Walls RM. Mosby. Philadelphia, PA. 2010

[Chapters prior to 2010 available by request (#60)]

GRANTS RECEIVED

Substance Abuse and Mental Health Services Administration
Centers for Disease Control and Prevention
Medical Toxicology Foundation

Department of Homeland Security
Department of Defense

CONFERENCE DIRECTOR/ORGANIZER [LAST 10 YEARS]

Third American-Israeli Medical Toxicology Conference, Myths and Misinformation About Casual Dermal Exposure to Fentanyl. Haifa, Israel. Nov 19-21, 2019

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.

[Course Director Information prior to 2010 available upon request]

COURSE/CONFERENCE FACULTY OF A NATIONAL OR INTERNATIONAL MEETING [LAST 10 YEARS]

New York Society of Addiction Medicine. Virtual Annual Meeting. The Toxicology Panel -Case Based Discussion of Hot Topics in Addiction/Toxicology. February 5-6, 2021

American College of Emergency Physicians. Initiation of Buprenorphine and Pain Management in the ED Implementation. Misunderstanding Involving Buprenorphine Clinical Pharmacology. Jan 15, 2021.

Partnership for Drug Free New Jersey, NJ CARES, and the Office of the Attorney General. Knock Out Opioid Abuse. Prescribing Opioids in the Time of Covid-19. Virtual. August 20, 2020

American Society of Addiction Medicine. The ASAM Alcohol Withdrawal Management Webinar Series. Fundamentals of Alcohol Withdrawal and Guideline Development. Virtual. July 29, 2020

American Society of Addiction Medicine, Board Review Course. Principles of Pharmacology and Toxicology. Virtual. June 29, 2020.

Project ECHO (SAMHSA). The Pandemic & Mental Health Covid-19: From the Front Lines. Mental Health Impact of COVID-19 on Emergency Medicine and Emergency Departments. Virtual. May 22, 2020.

Atlantic Medical Group Primary Care CME Symposium. Opioids 2020. Review of Opioid Prescribing Safety and Best Practices. March 7, 2020.

NES Health. Medical Director's Academy. Cannabis and Vaping: Not Your Parents Mary Jane; Management of Opioid Use Disorder in the ED and Beyond. Port St Lucie, FL. Nov 4, 2019.

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

Emergency Medicine Critical Care Conference. Newark Beth Israel Medical Center. Pulmonary Complications of Drug Use. Newark, NJ. May 29, 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 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 20th 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, Reidlers 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 Abilites 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, Reidlers 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. What's 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.

[Course/Conference Faculty prior to 2010 available upon request.]