

**Rachel S. Wightman, MD FACMT**  
**CURRICULUM VITAE**

Associate Professor, Department of Emergency Medicine and Epidemiology  
Alpert Medical School of Brown University  
Brown Emergency Medicine  
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**EDUCATION**

Undergraduate	Davidson College, Davidson, NC Biology, B.S. 2007
Honors	Davidson Athletic and Academic Scholar Award, NCAA Division I Women's Soccer Athletic and Academic Scholarship, 2003-2007.
Medical School	Chicago Medical School, North Chicago, IL M.D. 2011
Honors	<i>Alpha Omega Alpha</i> Honorary Medical Society, 2010. SAEM Award for Excellence in EM, 2011. American Medical Women's Association Glasgow-Rubin Certificate of Commendation for Academic Achievement, 2011.
Certificates	NYSIM Instructor Simulation Course Certification New York Simulation Center, New York, NY November 2016  EMF/ACEP Emergency Medicine Basic Research Skills Workshop Dallas, TX 2014-2016

**POSTGRADUATE TRAINING**

Residency	New York University School of Medicine/ Bellevue Hospital Center, New York, NY Emergency Medicine 2011-2015
Fellowship	New York University School of Medicine/ Bellevue Hospital Center/New York City Poison Control Center New York, NY Medical Toxicology

2015-2017

**POSTGRADUATE HONORS AND AWARDS**

Michael P. Spadafora Award

ACMT/MTF  
2014

*National award given to one resident annually to promote career development in medical toxicology.*

EM Basic Research Skills Scholarship

Emergency Medicine Resident Association  
2014

*Scholarship awarded to one resident nationally to promote development of clinical research skills based on potential future impact of the recipient on emergency medicine research.*

CARE Award

Miriam Hospital  
2019

*In recognition for outstanding contribution to The Miriam Hospital in enhancing patient care.*

Early Career Women Faculty Leadership  
Development Seminar

AAMC  
2020

*Accepted Sponsored Attendee (cancelled due to COVID-19 Pandemic).*

Virtual Leadership Development  
Seminar for Women Faculty in  
Medicine and Science

AAMC  
2021

*Sponsored Attendee, Office of Women in Medicine and Science, Alpert Medical School of Brown University.*

Outstanding Young Investigator

Department of Emergency Medicine, Brown  
Emergency Medicine  
2021

Top Peer Reviewer

Annals of Emergency Medicine  
2021

Outstanding Voluntary Service Recognition

American College of Medical Toxicology  
2022

Gregory Jay Research Impact Award

Department of Emergency Medicine, Brown  
Emergency Medicine  
2023

Best Overall Abstract

American Society of Addiction Medicine  
54<sup>th</sup> Annual Conference, April 14<sup>th</sup> 2023

## **PROFESSIONAL LICENSES, BOARD CERTIFICATIONS, SOCIETY FELLOWSHIP STATUS**

Pediatric Advanced Life Support	2011- 2019
Advanced Cardiac Life Support	2011- 2019
Advanced Trauma Life Support	2012- 2015
New York State Medical License	2015- 2017
DEA License	2015- Present
Diplomat, Emergency Medicine, American Board of Emergency Medicine	2016- Present
Rhode Island Medical License	2017- Present
Diplomat, Medical Toxicology, American Board of Emergency Medicine	2018- Present
Physician Buprenorphine Prescriber Waiver	2018- Present
Diplomat, Addiction Medicine, American Board of Preventative Medicine	2021- Present
Fellow, American College of Medical Toxicology	2022- Present

## **ACADEMIC APPOINTMENTS**

Assistant Professor of Emergency Medicine, Department of Emergency Medicine	Division of Medical Toxicology Alpert Medical School of Brown University 2017-2023
Faculty, Addiction Medicine Fellowship Rhode Island Hospital	Department of Internal Medicine, Alpert Medical School of Brown University 2018-Present
Assistant Professor of Epidemiology, Department of Epidemiology	Brown School of Public Health 2021-Present
Associate Professor of Emergency Medicine, Department of Emergency Medicine	Division of Medical Toxicology Alpert Medical School of Brown University 2023- current
Associate Professor of Epidemiology, Department of Epidemiology	Alpert Medical School of Brown University 2023-Present

## **HOSPITAL APPOINTMENTS**

Attending Physician, Department of Emergency Medicine	Brown Emergency Medicine Rhode Island Hospital/The Miriam Hospital 2017-Present
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## **STATE APPOINTMENTS**

Consultant Medical Director, Substance Use Epidemiology and Drug Overdose Prevention	Rhode Island Department of Health 2023- Present
Chemical Surge Clinical Advisor	Healthcare Coalition of RI, 2023- Present

## **HOSPITAL COMMITTEES**

Pharmacy and Therapeutics Committee

NYU Medical Center  
House Staff Member  
2015-2017

Medication Safety Committee

NYU Medical Center  
House Staff Member  
2015-2017

PSI Drug Safety Committee

NYU Medical Center  
House Staff Member  
2015-2017

Pharmacy and Therapeutics Committee

Lifespan Hospital Center  
Member  
2017- 2023

Director of Toxicology Laboratory National Search

Dept. of Pathology and  
Laboratory Medicine,  
Lifespan Health Center  
Interviewer, 2019

Medication Safety Committee

Lifespan Hospital Center  
Member  
2019-2021

Medical Executive Committee

The Miriam Hospital  
Member  
2021- 2022

## **DEPARTMENTAL COMMITTEES**

Toxicology Scholarly Academy

NYU Dept of EM  
Member  
2011-2017

NYU/Bellevue Women in Emergency Medicine Committee

NYU Dept of EM  
Member  
2013-2015

Quality, Safety, and Practice Innovation Committee

NYU Dept of EM  
House Staff Member  
2014-2015

ED Buprenorphine Initiation Advisory Group (LOOP)	Brown Dept of EM Member 2019- 2021
Finance Committee	Brown Dept of EM Member 8/2020- Present
Audit Committee	Brown Dept of EM Member 1/2021- 12/2022
Compensation Committee	Brown Dept of EM Member 2022- current

### **UNIVERSITY COMMITTEES**

Chicago Medical School Alumni Advisory Committee	Chicago Medical School Member 2017- 2019
Office of Women in Medicine and Science Advisory Board	Alpert Medical School Member 2019- 2022

### **OTHER COMMITTEES**

#### **State**

Multidisciplinary Overdose Death Evaluation Committee	RI Department of Health Member May 2018
Review of Accidental Overdose Deaths Committee	RI Department of Health Member 2019- 2021
Rhode Island Overdose Fatality Review Committee	RI Department of Health Member 2021- Present

#### **National**

Buprenorphine Telehealth Consortium	Co-Founder 2020-2022
ACMT Seminar in Forensic Toxicology	American College of Medical Toxicology

Conference Organizer  
2021, 2022, 2023

American Board of Emergency Medicine

Oral Board Examiner  
2022

## **MEMBERSHIP IN SOCIETIES**

Alpha Omega Alpha Honor Society	2010 - Present
American College of Emergency Physicians	2011 - 2015
Emergency Medicine Residents' Association	2011 - 2017
Awards Selection Committee	Member, 2014-2015
American Academy of Clinical Toxicology	2015 - Present
American College of Medical Toxicology	2015 - Present
Medication Management Committee	Member, 2017- Present
Addiction Medicine Committee	Member, 2018- Present
American Society of Addiction Medicine	2021- Present
Society of Academic Emergency Medicine	2022- Present

## **PUBLICATION LIST**

### **ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS**

1. Mahajan AK, Patel S, Hogarth DK, **Wightman R**. Electromagnetic navigational bronchoscopy: an effective and safe approach to diagnose peripheral lung lesions unreachable by conventional bronchoscopy in high-risk patients. *J Bronchology Interv Pulmonol*. April 2011;18(2):133-7. DOI: 10.1097/LBR.0b013e318216cee6.
2. **Wightman R**, Zell-Kanter M, Van Roo J, Leikin J. Zonisamide Toxicity in a Patient with an Intentional Overdose. *Ann Pharmacother*. April 2011;45(4):547. DOI: 10.1345/aph.1P597.
3. **Wightman R**, Perrone J, Portelli I, Nelson L. Likeability and Abuse Liability of Commonly Prescribed Opioids. *J Med Toxicol*. December 2012;8(4):335-40. DOI: 10.1007/s13181-012-0263-x.
4. **Wightman RS**, Read KB, Hoffman RS. Evidence-based management of caustic exposures in the emergency department. *Emerg Med Pract*. May 2016;18(5):1-20. PMID: 27074641.
5. **Wightman RS**, Hoffman RS, Howland MA, Rice B, Biary R, Lugassy D. Not your regular high: cardiac dysrhythmias associated with loperamide abuse. *Clin Tox*. June 2016;54(5):454-8. DOI: 10.3109/15563650.2016.1159310.
6. **Wightman RS**, Nelson LS. Opioid prescribing: how well do we know ourselves? *J Med Tox*. September 2016;12(3):221-223. DOI: 10.1007/s13181-016-0576-2.

7. Eggleston W, Marraffa JM, Stork CM, Mercurio-Zappala M, Su MK, **Wightman RS**, Cummings KR, Schier JG. Notes from the field: Cardiac dysrhythmias after loperamide abuse- New York, 2008-2016. *MMWR Morb Mortal Wkly Rep*. November 2016;65(45):1276-1277. DOI: 10.15585/mmwr.mm6545a7.
8. Velazquez DM, Markowitz ME, Forman K, **Wightman RS**, Su MK, Nafday S. A neonate with lead toxicity. *Neoreviews*. March 2017;18(3):e180-e183. DOI: 10.1542/neo.18-3-e184.
9. **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. *Substance Use & Misuse*. April 24, 2017;52(10):1315-1319. DOI: 10.1080/10926084.2016.1276600.
10. **Wightman RS**, Nelson LS, Lee JD, Fox LM, Smith SW. Precipitated opioid withdrawal from Vivitrol®. *The American Journal of Emergency*. Jun 2018;36(6):1128.e2. DOI:10.1016/j.ajem.2018.03.052.
11. Ali S, **Wightman RS**, Hack J. Acute Respiratory Failure from Cement Exposure: A Case Report and Review of the Literature. *Rhode Island Medical Journal*. February 2019:55-57. PMID: 30709077.
12. Jarman AF, MacLean JV, Barron RJ, **Wightman RS**, McGregor AJ. Brexanolone for post-partum depression: a novel approach and a call for comprehensive post-partum care. *Clin Ther*. January 2020;42(1):231-235. DOI: 10.1016/j.clinthera.2019.11.005.
13. Kunzler N, **Wightman RS**, Nelson LS. Opioid withdrawal precipitated by long-acting antagonists. *Journal of Emergency Medicine*. February 2020;58(2):245-253. DOI:10.1016/j.jemergmed.2019.015.
14. Zeyl V, Sawyer K, **Wightman RS**. What do you know about maryjane? A systematic review of the current data on the THC:CBD ratio. *Substance Use & Misuse*. March 2020;55(8):1223-1227. DOI: 10.1080/10826084.2020.1731547.
15. Samuels EA, Clark SA, Wunsch C, Jordison Keeler LA, Reddy N, Vanjani R, **Wightman RS**. Innovations during COVID-19: Improving addiction treatment access. *J Addict Med*. Jul/Aug 2020;14(4):e8-e9. DOI: 10.1097/ADM.0000000000000685.
16. Meehan C, **Wightman RS**. A Case Report of Isopropanol Ingestion During the SARS-CoV-2 Pandemic. *J Addict Med*. Sept/Oct 2020;14(5):e264-e266. DOI: 10.1097/ADM.0000000000000728.
17. **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 Tox.* January 2021;17(1):10-15. DOI: 10.1007/s13181-020-00795-3.

18. Collins A, Beaudoin F, Samuels EA, **Wightman RS**, Baird J. The impact of COVID-19 on service provision for emergency department patients post-opioid overdose: A field report. *J Addict Med.* Sept-Oct 2021;15(5):432-434. DOI: 10.1097/ADM.0000000000000779.
19. Clark SA, Davis C, Wunsch C, **Wightman RS**, Jordison Keeler L, Reddy N, Samuels EA. Using telehealth to improve buprenorphine access during and after COVID-19: A rapid response initiative in Rhode Island. *JSAT.* May 2021;124:109293. DOI: 10.1016/j.jsat.2021.108283.
20. **Wightman RS**, Erowid E, Erowid F, Thyssen S, Wheeler M, Pulmonskas B, Olson R, Green TC. Confirmed reports of bupropion sold as crack cocaine in the illicit drug supply. *Clin Tox.* November 2021;59(11):1031-1032. DOI: 10.1080/155563650.2021.1898632.
21. Collins A, Beaudoin FL, Samuels EA, **Wightman RS**, Baird J. Facilitators and barriers to post-overdose service delivery in Rhode Island emergency departments: Implications for state policy. *JSAT.* November 2021;130:108411. DOI: 10.1016/j.sat.2021.108411.
22. **Wightman RS**, Perrone J, Scagos R, Hallowell BD, Krieger M, Li Y, McGregor AJ, Nelson LS, Marshall BDL. Toxicological and pharmacologic sex differences in unintentional or undetermined opioid overdose death. *Drug Alcohol Depend.* October 1, 2021;227:108994. DOI: 10.1016/j.drugalcdep.2021.108994.
23. **Wightman RS**, Jacka B, Uber J, McKenzie M, Reddy NG, Winters R, Jordison Keeler LA, Samules EA. Tele-buprenorphine for emergency department overdose visit follow up and treatment initiation. *AJEM.* December 2021;50:409-412. DOI: 10.1016/j.ajem.2021.08.071.
24. Samuels EA, Khatri UG, Snyder H, **Wightman RS**, Tofighi B, Krawczyk N. Buprenorphine telehealth treatment initiation and follow-up during COVID -19. *Journal of General Internal Medicine.* April 2022;37(5):1331-1333. DOI: 10.1007/s11606-021-07249-8.
25. Jacka BP, Ziobrowski HN, Lawrence A, Baird J, Wentz AE, Marshall BDL, **Wightman RS**, Mello MJ, Beaudoin FL, Samuels EA . Implementation and Maintenance of an Emergency Department Naloxone Distribution and Peer Recovery Specialist Program. *Acad Emerg Med.* March 2022;29(3):294-307. DOI: 10.1111/acem.14409.
26. **Wightman RS**, Nelson LS. Naloxone Dosing in the Era of Fentanyl: The Path Widens by Traveling Down It. *Ann Emerg Med.* August 8, 2022;80(2):127-129. DOI: 10.1016/j.annemergmed.2022.04.014.



27. Volpe K, **Wightman RS**. Delta what? Deciphering the world of cannabinoids. *Rhode Island Medical Journal*. September 1, 2022;105(7):37-41. PMID:36041020.
28. Green TC, Olson R, Jarczyk C, Erowid E, Erowid F, Thyssen S, **Wightman RS**, delPozo B, Michelson L, Cormier J, Consigli A, Reilly B, Ruiz S. Implementation and validation of the Massachusetts Drug Supply Data Stream: a state-wide public health-public safety partnership drug checking program. *J Public Health Manag Pract*. Nov-Dec 2022; 28 (suppl 6):S347-S354. DOI: 10.1097/PHH.0000000000001581.
29. Wunsch C, **Wightman RS**, Pratty C, Jacka B, Hallowell BD, Clark S, Davis C, Samuels EA. Thirty-day treatment continuation after audio-only buprenorphine telehealth initiation. *Journal of Addiction Medicine*. 2023 Mar-Apr;17(2):206-209. DOI: 10.1097/ADM.0000000000001077.
30. Weidele HR, **Wightman R**, St John K, Marchetti L, Bratberg J, Hallowell BD. Fentanyl and fentanyl analogs detected among unintentional opioid involved overdose deaths in Rhode Island: January 2019- December 2021. *Rhode Island Medical Journal*. December 1, 2022;105(10):64-66. PMID: 36413456.
31. Del Pozo B, Atkins D, Adraka-Crisou B, **Wightman RS**, Clark MH, Huynh P, Ray B. Buprenorphine involvement in opioid overdose deaths: a retrospective analysis of postmortem toxicology in Marion County, Indiana, 2015-2021. *Drug and Alcohol Dependence Reports*. 2023;6:100131.DOI:10.1016/j.dadr.2023.100131.
32. Tofighi B, Lopez R, Araujo G, Lee JD, Samules EA, **Wightman RS**, Butner J. Provider and administrator attitudes and experiences with implementing telebuprenorphine during the COVID-19 pandemic: a mixed-method survey. *Journal of Substance Use*. January 13, 2023. DOI:10.1080/14659891.2023.2166609.
33. Stewart K, Francis V, **Wightman RS**. Statewide variation in cannabinoid regulations. *Rhode Island Medical Journal*. March 1, 2023;106(2):31-33. PMID:3684540.
34. **Wightman RS**, Perrone J, Collins AB, Lakamana S, Sarker A. An Analysis of Cannabinoid Hyperemesis Syndrome Reddit Posts and Themes. *Clin Tox*. 4 April 2023. Online ahead of print. DOI:10.1080/15563650.2023.2183790.
35. Collins AB, Beaudoin FL, Metrik J, **Wightman RS**. “I still partly think this is bullshit”: A qualitative analysis of cannabinoid hyperemesis syndrome perceptions among people with chronic cannabis use and cyclic vomiting. *Drug and Alcohol Dependence*. 1 May 2023;246:109853. DOI:10.1016/j.drugalcdep.2023.109853.
36. **Wightman RS**, Metrik J, Lin TR, Li Y, Badea A, Almerida R, Collins AB, Beaudoin FL. Cannabis use patterns and whole blood cannabinoid profiles of emergency department patients with suspected cannabinoid hyperemesis syndrome. *Annals of Emergency Medicine*. August 2023;82(2):121-130. DOI:10.1016/j.annemergmed.2023.03.005.

37. Paiva TJ, St. John K, **Wightman RS**, Nitenson AZ, Onyejekwe C, Hallowell BD. Increased stimulant prescribing following COVID-19 pandemic- Rhode Island 2017-2021. *Rhode Island Medical Journal*. July 2023;106(6):50-53. PMID:37368836.
38. Collins AB, **Wightman RS**, Macon C, Shihpar A, Krieger M, Elmaleh R, Smith MC, Morales L, Badea A. (In Press). Comprehensive testing and rapid dissemination of local drug supply surveillance data in Rhode Island. *International Journal of Drug Policy*. August 2023;118:104118. DOI: 10.1016/j.drugpo.2023.104118.
39. **Wightman RS**, Metrik J, Lin TR, Collins AB, Beaudoin FL. (Online ahead of print). Cannabinoid hyperemesis syndrome: clinical trajectories and patterns of use three months following a visit to the emergency department. *Academic Emergency Medicine*. June 30, 2023. DOI: 10.1111/acem.14773.
40. Spadaro A, OConnor K, Lakamana S, Sarkar A, **Wightman RS**, Love J, Perrone J. Self-reported xylazine experiences: a mixed methods study of Reddit subscribers. *Journal of Addiction Medicine*. August 10, 2023. DOI: 10.1097/ADM.0000000000001216.
41. Chambers LC\*, Hallowell BD\*, Zullo AR, Paiva TJ, Berk J, Gaither R, Hampson AJ, Beaudoin FL, **Wightman RS**. Evaluation of Buprenorphine Dose and Time to Discontinuation Among Patients With Opioid Use Disorder in the Era of Fentanyl. *JAMA Network Open*. 2023;6(9):e2334540. DOI: 10.1001/jamanetworkopen.2023.34540.

#### OTHER PEER-REVIEWED PUBLICATIONS:

1. **Wightman R**, Howland MA, Nelson L. Letter to the Editor: a missed opportunity for opioid harm reduction. *Acad Emerg Med*. January 2016;23(1):106. PMID: 26670717.
2. Croll LS, **Wightman RS**, Hoffman RS. In Response to: “Single versus multiple hyperbaric sessions for carbon monoxide poisoning in a murine model.” *J Med Tox*. October 2016; Epub ahead of print. PMID: 27704287.
3. **Wightman RS**, Nelson LS. Letter: Has the die been cast? Discharge of body stuffers from the emergency department. *Eur J Emerg Med*. February 2017;24(1):76. PMID: 2798370.
4. Sean R, **Wightman RS**. Cannabinoid Hyperemesis Syndrome. Systematically Testing the Evidence on Marijuana (STEM). Collaborative project between the US Department of Veterans Affairs and the Center for Evidence-based Policy at Oregon Health & Science University. February 2023. <https://www.cannabisevidence.org/clinician-resources/clinician-briefs/cannabinoid-hyperemesis-syndrome/>

#### BOOKS AND BOOK CHAPTERS

1. **Wightman R**, Swaminathan A. (January 2014). Acetaminophen Overdose. In: Greenwood JC, ed. PressorDex 2nd Edition. Irving, Texas: Emergency Medicine Residents' Association: 80-82.
2. **Wightman R**, Biary R. (October 2017). Acetaminophen Overdose. In: Greenwood JC, ed. PressorDex 3rd Edition. Irving, Texas: Emergency Medicine Residents' Association: 72-73.
3. **Wightman R**, Perrone J. (October 2017). Opioids. In Strayer R, Motov S, Nelson L (Eds.), Management of Pain and Procedural Sedation in Acute Care. <http://painandpsa.org/opioids/>.
4. **Wightman RS**, Fulton J. (March 2019). Chapter 103: Caustics. In Nelson LS et al. (Ed.) Goldfrank's Toxicologic Emergencies, 11th Ed. New York, NY: McGraw Hill.
5. **Wightman RS**, Hessler B. (March 2019). Chapter 16: Hemodynamic Principles. In Nelson LS et al. (Ed.) Goldfrank's Toxicologic Emergencies, 11th Ed. New York, NY: McGraw Hill.
6. **Wightman RS**, Nelson LS. (October 2019). Chapter 190: Acetaminophen Toxicity. In Tintinalli JE et al. (Ed.) Tintinalli's Emergency Medicine, 9th Ed. New York, NY: McGraw Hill.
7. **Wightman RS**, Perrone J. (October 2019). Chapter 187: Cocaine/Amphetamine Toxicity. In Tintinalli JE et al. (Ed.) Tintinalli's Emergency Medicine, 9th Ed. New York, NY: McGraw Hill.
8. Hase T, **Wightman R** (June 2020). Acetaminophen Overdose. In: Greenwood JC, ed. PressorDex 4th Edition. Irving, Texas: Emergency Medicine Residents' Association: 78-79.

#### SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

##### Selected Broadcast Media or Public Health Alerts

1. "Health check: the truth about synthetic cannabinoids." NBC10 WJAR. Interview with Barbara Morse Silva. August 16, 2018. <https://turnto10.com/features/health-landing-page/health-check-dangers-of-synthetic-marijuana>.
2. "In COVID-19's shadow, R.I. overdose deaths spiral. This 24/7 hotline gets around barriers to offer warmth, relief, treatment." Providence Journal. July 3 2020. <https://www.providencejournal.com/news/20200703/in-covid-19s-shadow-ri-overdose-deaths-spiral-this-247-hotline-gets-around-barriers-to-offer-warmth-relief-treatment>.

3. "Fentanyl Safety Roll Call Video." Content Expert. Massachusetts Police Assisted Addiction and Recovery Initiative (PAARI). May 2020. <https://paariusa.org/rollcallvideos/>.
4. "Wellbutrin Drug Alert Video." Distributed to Massachusetts Police Department and Harm Reduction Community Workers, the Massachusetts Drug Supply Datastream (MADDS), Brandeis University, Boston, MA. November 20, 2020. <https://www.youtube.com/channel/UCnZh22ErXG3eKPil6LhWjRQ/videos>.
5. "Synthetic Cannabinoid "MDMB-4en-PINACA." Content Expert. Detected in Heroin/Fentanyl/Dope." Massachusetts Drug Supply Data Stream (MADDS), Content Expert. Public Health Alert distributed to public, law enforcement, and harm reduction organizations. Feb 2021. [https://heller.brandeis.edu/opioid-policy/pdfs/mdmb-4en-pinaca-community-one-pager\\_v2\\_3.30.21.pdf](https://heller.brandeis.edu/opioid-policy/pdfs/mdmb-4en-pinaca-community-one-pager_v2_3.30.21.pdf).
6. "Street Narcotics Alert: 4-Fluorofentanyl & Despropionyl 4-Fluorofentanyl Detected in Heroin/Fentanyl." Content Expert. Massachusetts Drug Supply Data Stream (MADDS), Public Health Alert distributed to public, law enforcement, and harm reduction organizations. March 2021. [https://heller.brandeis.edu/opioid-policy/pdfs/fluorofentanyl\\_narcotics\\_alert\\_v2\\_3.30.21.pdf](https://heller.brandeis.edu/opioid-policy/pdfs/fluorofentanyl_narcotics_alert_v2_3.30.21.pdf).
7. Manz J, Antezzo M, Mette E, Purlington K. "State Strategies to Support OUD Treatment Across the Criminal Legal System." National Academy for State Health Policy. Highlight RI Buprenorphine Hotline as an opportunity to prevent a crisis event. Provided content expertise related to RI Buprenorphine Hotline. <https://www.nashp.org/opioid-center/treatment-in-the-legal-system/#toggle-id-2>. March 2021.
8. "Community Drug Bulletin: Two Active Cuts." Massachusetts Drug Supply Data Stream (MADDS), Content Expert. Public Health Alert distributed to public, law enforcement, and harm reduction organizations. March 2021. [https://heller.brandeis.edu/opioid-policy/pdfs/xylazine\\_phenacetin-bulletin\\_3.30.21.pdf](https://heller.brandeis.edu/opioid-policy/pdfs/xylazine_phenacetin-bulletin_3.30.21.pdf). reduction organizations. March 2021. [https://heller.brandeis.edu/opioid-policy/pdfs/xylazine\\_phenacetin-bulletin\\_3.30.21.pdf](https://heller.brandeis.edu/opioid-policy/pdfs/xylazine_phenacetin-bulletin_3.30.21.pdf).
9. "Brown initiative tracks risks in local drug supply, public warned of potential harm." Jacquelyn Voghel. Providence Business News. June 9, 2022. <https://pbn.com/brown-initiative-tracks-risks-in-local-drug-supply-public-warned-of-potential-harm/>.
10. "Brown researchers aim to save lives by testing illicit drugs for secret, often deadly ingredients." Abdullah Shihpar. News from Brown. July 27, 2022. <https://www.brown.edu/news/2022-07-27/testri>.
11. "Cannabis hyperemesis and the cure that burns." Laurel Oldach. ASBMB Today. August 3, 2022. <https://www.asbmb.org/asbmb-today/science/080322/the-cure-that-burns>.

12. “Study: RI’s illicit drug supply constantly changing.” Sarah Doiron. WPRI.com. December 15, 2022. <https://www.wpri.com/health/study-ris-illicit-drug-supply-is-constantly-changing/>.
13. “An animal tranquilizer is showing up in the nation’s illicit drug supply.” Nicole Wetsman. ABCNews. December 22, 2022. <https://abcnews.go.com/Health/animal-tranquilizer-showing-nations-illicit-drug-supply/story?id=95661520>.
14. “What to know about Tranq, the animal sedative infiltrating street drugs.” Sarah Kuta. Smithsonian Magazine. January 9, 2023. <https://www.smithsonianmag.com/smart-news/what-to-know-about-tranq-the-animal-sedative-infiltrating-street-drugs-180981408/>.
15. “Enormous problems: animal sedative found in local drug supply increases overdose risk.” Jack Perry. The Providence Journal. January 20, 2023. <https://www.providencejournal.com/story/news/drugs/2023/01/20/animal-sedative-xylazine-ri-drug-supply-increases-overdose-risk/69821190007/>.
16. “Building comprehensive responses to the opioids crisis.” Transforming Care. January 31, 2023. The Commonwealth Fund. [https://www.commonwealthfund.org/publications/2023/jan/building-comprehensive-responses-opioid-crisis?utm\\_source=alert&utm\\_medium=email&utm\\_campaign=Improving+Health+Care+Quality](https://www.commonwealthfund.org/publications/2023/jan/building-comprehensive-responses-opioid-crisis?utm_source=alert&utm_medium=email&utm_campaign=Improving+Health+Care+Quality).
17. “Study of R.I. drug supply shows prevalence of animal tranquilizer: Brown’s test RI warns about effects of xylazine, spreads awareness.” The Brown Daily Herald. January 26, 2023. <https://www.browndailyherald.com/article/2023/01/study-of-r-i-drug-supply-shows-prevalence-of-animal-tranquilizer>.
18. “People are going to start losing limbs: Animal ‘tranq’ is reshaping RI’s drug landscape.” Providence Journal. February 15, 2023. <https://www.providencejournal.com/story/news/crime/2023/02/15/xylazine-aka-tranq-making-big-impact-in-ri-drug-landscape-narcans/69865850007/>.
19. “Higher buprenorphine doses associated with improved retention in treatment for opioid use disorder.” News from Brown. September 18, 2023. <https://www.brown.edu/news/2023-09-18/buprenorphine-dose>.
20. “In the era of fentanyl, treating opioid addiction may mean a higher dose.” Lynn Arditi. The Public’s Radio (NPR Rhode Island). September 18, 2023. <https://thepublicsradio.org/article/in-the-era-of-fentanyl-treating-opioid-addiction-may-mean-a-higher-dose->.
21. “Higher buprenorphine doses associated with improved retention in treatment for opioid use disorder.” News Release. National Institute on Drug Abuse. September 18, 2023.

<https://nida.nih.gov/news-events/news-releases/2023/09/higher-buprenorphine-doses-associated-with-improved-retention-in-treatment-for-opioid-use-disorder>.

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23. “Fentanyl crisis demands a dose of reality: more buprenorphine?” SciTechDaily. September 20, 2023. <https://scitechdaily.com/fentanyl-crisis-demands-a-dose-of-reality-more-buprenorphine/>.
24. “Higher buprenorphine dose increases likelihood of staying in treatment.” Drugs.com. September 21, 2023. <https://www.drugs.com/news/higher-buprenorphine-increases-likelihood-staying-115113.html>.

## **ABSTRACTS**

1. Patel S, Mahajan A, **Wightman R**, Hogarth D.K. Safety and Efficacy of Transbronchial Biopsy without Fluoroscopic Guidance. Am J Respir Crit Care Med. 2009 Apr;179(1):A5768. American Thoracic Society International Conference. San Diego, California, May 2009.
2. Mandich N, Szpindor-Watson M, **Wightman R**, Hogarth DK. Diagnostic Utility of Bronchoalveolar Lavage (BAL) in Neutropenic Patients on Antimicrobials. Am J Respir Crit Care Med. 2010;181(1):A5154. American Thoracic Society International Conference. New Orleans, Louisiana, May 2010.
3. Szpindor-Watson M, Mandich N, **Wightman R**, Hogarth DK. Higher Levels of Conscious Sedation: A Safe and Effective Tool to Aid the Bronchoscopist. Am J Respir Crit Care Med. 2010;181(1):A1604. American Thoracic Society International Conference. New Orleans, Louisiana, May 2010.
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5. Nguyen V, Kramer S, **Wightman RS**, Nelson LS, Hoffman RS. Laundry detergent pod causing esophageal and gastric injury in an adult. Clin Tox. 2014;52:A427. European Association of Poison Centers and Clinical Toxicologists Annual Congress. Brussels, Belgium, May 2014.
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  11. **Wightman RS**, Smith S, Lugassy D. Pediatric single methotrexate pill ingestion: no assessment = no risk? Clin Tox. 2016;54(8):756. North American Congress of Clinical Toxicology. Boston, Massachusetts, September 2016.
  12. **Wightman RS**, Su MK, Henretig FM, Marcus SM, Velazquez D, Nafday S, Markowitz M. Neonatal lead poisoning treated with chelation. Clin Tox. 2016;54(8):679. North American Congress of Clinical Toxicology. Boston, Massachusetts, September 2016.
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  14. Fletcher JM, Hack JB, **Wightman RS**. Digoxin recrudescence: a life-threatening reality for end stage renal disease patients. J Med Tox. 2018;14(1):33. American College of Medical Toxicology Annual Scientific Meeting. Washington DC, April 2018.
  15. Ali S, **Wightman RS**, Hack J. Acute respiratory failure from cement exposure: a case report and review of the literature. NERDS 19: the New England Regional Meeting of the Society for Academic Emergency Medicine (SAEM). Worcester, MA. March 2019.
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18. **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 Tox. 2020;16:116-168. Presented at the American College of Medical Toxicology Annual Scientific Meeting, New York, March 2020.
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20. **Wightman RS**, Lynch M, Zerbo E, Snyder H, Berk J, Taylor J, Samuels EA. Lessons learned from buprenorphine telehealth during COVID-19: a guide for providers. Presented as Blended Educational Session. American Society of Addiction Medicine (ASAM) Virtual 2021. April 23, 2021.
21. Schwarz E, Nelson L, Laes J, Wiegand TJ, **Wightman RS**, Steck A, Haroz R. Excited delirium: the controversy in the care of the acutely agitated patient. Presented as Focus Educational Session. American Society of Addiction Medicine (ASAM) Virtual 2021. April 2021.
22. Laes J, **Wightman RS**, Haroz R, Schwarz E, Wiegand TJ, Nelson L. Precipitated Withdrawal: when, where and what to do next. Presented as Focus Educational Section. American Society of Addiction Medicine (ASAM) Virtual 2021. April 2021.
23. Haroz R, Laes J, Wiegand TJ, Schwarz E, Steck A, **Wightman RS**, Cienki J, Nelson L. Tricks of the trade- complex buprenorphine inductions. Presented as Workshop. American Society of Addiction Medicine (ASAM) Virtual 2021. April 2021.
24. **Wightman RS**, Wunsch C, Clark S, Berk J, Berkowitz L, Jordison Keeler LA, Samuels EA. Low-threshold 24/7 buprenorphine telehealth treatment: innovation to improve access during COVID-19. K Med Tox. 2021;17:107. Presented at the 2021 American College of Medical Toxicology Annual Scientific Meeting. April 2021.
25. Samuels EA, McKenzie M, Jordison Keeler LA, Uber J, **Wightman RS**. Linkage to treatment and tele-buprenorphine post-emergency department (ED) opioid overdose. J Med Tox. 2021;17:97. Presented at the 2021 American College of Medical Toxicology Annual Scientific Meeting. April 2021.



26. **Wightman RS**, Perrone J, Scagos R, Hallowell BD, Krieger M, Li Y, McGregor AJ, Marshall BDL. Toxicological and pharmacologic sex differences in unintentional or undetermined opioid overdose death. 2021 North American Congress of Clinical Toxicology. Atlanta, GA, Oct 2021.
27. Lum L, Wunsch C, **Wightman RS**, Pratty C, Jacka B, Jordison Keeler LA, Smith M, Clark S, Soske J, Samuels EA. Buprenorphine telehealth accessibility and efficacy for people experiencing homelessness. Alpert Medical School Research Symposium 2021. Providence, RI. November 2021.
28. Wunsch C, Lum L, **Wightman RS**, Pratty C, Jacka B, Hallowell B, Clark S, Samuels EA. On demand, audio-only buprenorphine initiation during Covid-19. Presented American Society of Addiction Medicine (ASAM) 53<sup>rd</sup> Annual Conference, Hollywood, FL, April 2022.
29. Spadaro A, Sarker A, **Wightman RS**, Perrone J: Self reported xylazine exposure and experiences: A mixed methods study of Reddit users. Presented at the AMERSA Conference. Boston, November 2022
30. Spadaro A, Perrone J, Lakamana S, O'Connor K, **Wightman RS**, Love J, Sarker A. Self-reported xylazine exposure and experiences: a mixed methods study of Reddit users. Presented at EAPCCT 2023.
31. **Wightman RS**, Beaudoin FL, Krieger M, Gaipo A, Kaplan S, Tokarz S, Marshall BDL, Badea A. Drug Overdose Testing (DOT) preliminary service data acceptability and feasibility. J Med Tox. March 2023;19(2):A144. Presented at the American College of Medical Toxicology Annual Scientific Meeting 2023. San Diego, CA, April 2023.
32. Collins AB, Badea A, Macon C, Elmaleh R, Joseph R, Krieger M, Shihpar A, **Wightman RS**. testRI: Xylazine detection rates in local drug supply testing. J Med Tox. March 2023;19(2):A125. Presented at the American College of Medical Toxicology Annual Scientific Meeting 2023. San Diego, CA, April 2023.
33. **Wightman RS**, Perrone J, Collins AB, Lakamana S, Sarker A. An analysis of triggers and therapies described in reddit posts of cannabinoid hyperemesis syndrome. J Med Tox. March 2023;19(2):A126. Presented at the American College of Medical Toxicology Annual Scientific Meeting 2023. San Diego, CA.
34. **Wightman RS**, Macon C, Badea A, Edwards S, Morales A, Krieger M, A Shihpar, AB Collins. testRI: Communicating changes in the Rhode Island local drug supply. ASAM Annual Conference 2023. April 2023. Washington DC.
35. **Wightman RS**, Metrik J, Lin T, Li Yu, Badea A, Collins A, Beaudoin F. A prospective investigation of emergency department patients with suspected cannabinoid hyperemesis syndrome. College on Problems of Drug Dependence 85<sup>th</sup> Annual Scientific Meeting. June, 2023. Denver, CO.

36. Pappalardo F, Krieger M, Park C, Beaudoin F, **Wightman RS**. Naloxone practices and overdose history among patients presenting to the emergency department with non-fatal drug overdose. *Clinical Toxicology*;61(2):A101. North American Congress of Clinical Toxicology (NACCT). September 2023. Montreal, Canada.
37. **Wightman RS**, Metrik J, Lin T, Collins A, Beaudoin F. Cannabinoid hyperemesis syndrome: clinical trajectories and patterns of use two weeks following a visit to the emergency department for cyclic vomiting. *Clinical Toxicology*;61(2):A68. North American Congress of Clinical Toxicology (NACCT). September 2023. Montreal, Canada.

## **INVITED PRESENTATIONS**

### **Local/Regional**

1. “Verapamil Overdose.” Discussant. NYC Consultant’s Conference, New York, NY. Oct 2015.
2. “Acetaminophen and Salicylate Toxicity.” Lecture. Jacobi Hospital Pediatric EM Fellowship Conference, Bronx, NY. Nov 2015
3. “Palytoxin Exposure.” Discussant. NYC Consultant’s Conference, New York, NY. Nov 2015
4. “Precipitated Opioid Withdrawal from IM Naltrexone.” Discussant. NYC Consultant’s Conference, New York, NY. Dec 2015
5. “Methadone Overdose.” Lecture. Dept. of Psychiatry M&M Conference, Bellevue Hospital Center, New York, NY. Dec 2015
6. “Salicylates.” Lecture. Intensive Review Course in Clinical Toxicology, NYC Poison Control Center, New York, NY. Mar 2016
7. “Neuromuscular Junction Toxins (Workshop).” Developer and Leader. Intensive Review Course in Medical Toxicology, NYC Poison Control Center, New York, NY. Mar 2016
8. “Caustic Ingestion.” Dept. of Pediatrics, Bellevue Hospital Center, NYC. Apr 2016
9. “Propranolol OD.” Discussant. NYC Consultant’s Conference, New York, NY. May 2016
10. “Ethylene Glycol Ingestion.” Discussant. NYC Consultant’s Conference, New York, NY. June 2016

11. "Palytoxin: Fish Tank Tox." Discussant. NYC Consultant's Conference, New York, NY. July 2016
12. "Digoxin Toxicity." Discussant. NYC Consultant's Conference, New York, NY. Aug 2016
13. "Niacin Overdose." Discussant. NYC Consultant's Conference, New York, NY. Sep 2016
14. "One Pill Killers." Lecture. Jacobi Hospital Pediatric EM Fellowship Conference, Bronx, NY. Nov 2016
15. Guest Lecturer, One Pill Killers, Dept. of Pediatrics, Bellevue Hospital Center, New York, NY. Dec 2016
16. "Dishwasher Detergent Pod Ingestion." Discussant. NYC Consultant's Conference, New York, NY. May 2017
17. "Resources at Brown Workshop." Session Moderator. Office of Women in Medicine and Science Annual Conference, Alpert Medical School of Brown University, Providence, RI. June 2019
18. "Urine Toxicology: Interpretation Pearls and Pitfalls." Lecture-CME. Translating Buprenorphine into Practice, Webinar Alpert Medical School of Brown University, May 2020. <https://cme-learning.brown.edu/content/urine-drug-testing-interpretation-basics-and-pitfalls>.
19. "Urine toxicology testing in the era of fentanyl." Invited speaker. Project RESPECT. Boston Medical Center. Virtual due to COVID. May 2021
20. "Evidence-Based Treatment of Opioid Use Disorder for RI ED Providers." Lecture-CME. Webinar, Alpert Medical School of Brown University May 2021. <https://cme-learning.brown.edu/content/evidence-based-emergency-care-opioid-use-disorder#group-tabs-node-course-default1>.
21. "ED Evidence-Based Treatment of Opioid Use Disorder for Nurses." Lecture-CNE. Webinar, Alpert Medical School of Brown University. May 2021 <https://cme-learning.brown.edu/content/emergency-care-opioid-use-disorder>.
22. "Evidence-Based Emergency Care for Opioid Use Disorder." Lecture- CME. Kent Emergency Medicine Residency, Dept. of EM. June 2021
23. "Buprenorphine Telehealth: Opportunities and Challenges." Invited Grand Rounds Speaker- CME. New York University Grossman School of Medicine/New York City Poison Control Center, Virtual due to COVID. Aug 2021

24. “Community, Healthcare, & Policy Innovations.” Panelist at RI COBRE on Opioid and Overdose Hackathon, Providence, RI. Oct 2021
25. “COBRE DRM Core: RIDOH Data Request Process Overview.” Invited Panelist, Providence, RI. May 2022
26. “Audio Only Buprenorphine Telehealth.” Invited Science Talk. 2022 Emerging Areas of Science Rhode Island IDeA Symposium. June 10, 2022
27. “testRI Study Overview.” Invited Presentation at Drug Overdose Surveillance Evaluation (DOSE) Meeting. Rhode Island Department of Health. July 26, 2022
28. “testRI Study Update.” Invited Presentation at Strategic Tangible Overdose Prevention (STOP) Meeting. Rhode Island Department of Health. August 29, 2022
29. “An Introduction to testRI & Emerging Findings from the Local Drug Supply” Invited Presentation at Harm Reduction Working Group Meeting, Governor’s Overdose Taskforce. September 13, 2022
30. “Examining Rhode Island’s local drug supply and its impact on the health of people who use drugs: introduction to testRI and the RI Buprenorphine Hotline.” Invited Presentation at Rhode Island Department of Behavioral Healthcare, Developmental Disabilities & Hospitals (BHDDH) Behavioral Health Provider Meeting. September 19, 2022
31. “testRI.” Lunch and Learn Discussion. People Place and Health Collective, Brown University School of Public Health, December 13, 2022.
32. “testRI: Examining the local drug supply in Rhode Island and its impact on people who use drugs.” Presentation to the Rhode Island Governor’s Overdose Prevention and Intervention Task Force. October 12, 2022. <https://preventoverdoseri.org/wp-content/uploads/2022/10/TF-MasterSlideDeck-Oct2022.pdf>
33. “TestRI: Characterizing xylazine in the local drug supply.” Presentation to the Rhode Island Governor’s Overdose Prevention and Intervention Task Force. March 8, 2023. <https://preventoverdoseri.org/wp-content/uploads/2023/03/TF-MasterSlideDeck-March2023-FINAL.pdf>
34. “Xylazine listening session.” Invited expert consultant. New York City Department of Health Provider Webinar. August 29, 2023.

## **National**

1. “Loperamide Overdose.” American College of Medical Toxicology National Case Conference, National Webinar. Sept. 2015

2. "Neonatal Lead Poisoning." American College of Medical Toxicology National Case Conference, National Webinar. Feb. 2016
3. "Prescription Opioid Harm Reduction Through Erowid.org." Research platform presentation. 2016 Annual Scientific Meeting, American College of Medical Toxicology, Huntington Beach, California. March 2016
4. "Fasoracetam and Phenibut Overdose." American College of Medical Toxicology National Case Conference, National Webinar. May 2016
5. "Medication Error Analysis." Discussant. American College of Medical Toxicology National Case Conference, National Webinar. July 2016
6. "Clinical Pathologic Case Presentation." Invited discussant. Toxicology for the Emergency Practitioner, NYU School of Medicine, New York, New NY. March 2019
7. "Urine Drug Testing: Interpretation Basics and Pitfalls, Substance Use Screening and Treatment Approach in the ED (SUSTAIN ED)." Lecture. SAHMSA/ACMT National Webinar. Dec. 2019
8. "Opioid Overdose Deaths with Buprenorphine Detected in Post-Mortem Toxicology: A Retrospective Analysis." Research presentation. 2020 Annual Scientific Meeting, American College of Medical Toxicology, New York. March 2020
9. "Linkage to Treatment and Tele-buprenorphine Post-Emergency Department (ED) Opioid Overdose." Research platform presentation. 2020 Symposium on Substance Use Research. Virtual Conference. Nov. 2020
10. "Tele-Buprenorphine During COVID-19: An Opportunity to Improve Access. Innovative Approaches to Mental Health & Substance Use Care in Response to COVID-19." Lecture- CME. Association of Maternal and Child Health Programs. ASTHOConnects Virtual Webinar. Nov. 2020
11. "Background on Buprenorphine Delivery via Telehealth: A Summary of the Evidence and Regulations." Asynchronous virtual lecture for blended session Lessons Learned from Buprenorphine Telehealth During COVID-19: A Guide for Providers. American Society for Addiction Medicine (ASAM) Virtual 2021. March 2021
12. "Lessons Learned from Buprenorphine Telehealth During COVID-19: A Guide for Providers." Speaker, Blended Educational Session Live- CME. American Society for Addiction Medicine (ASAM) Virtual 2021. April 2021
13. "Precipitated Withdrawal: When, Where and What to do Next." Speaker, Focus Session- CME. American Society of Addiction Medicine (ASAM) Virtual 2021. April 2021

14. "Linkage to Treatment and Tele-buprenorphine Post-Emergency Department (ED) Opioid Overdose." Research platform presentation. 2021 Virtual American College of Medical Toxicology Annual Scientific Meeting. April 2021
15. "Low-threshold 24/7 buprenorphine telehealth treatment: innovation to improve access during COVID-19." Short research presentation. 2021 Virtual American College of Medical Toxicology Annual Scientific Meeting. April 2021
16. "Precipitated Opioid Withdrawal Management." Invited expert panelist. ACMT and ASAM National Case Conference. National Webinar. June 2021
17. "Toxicological and pharmacologic sex differences in unintentional or undetermined opioid overdose death." Research platform presentation. 2021 Symposium on Substance Use Research. Virtual Conference. Nov. 2021
18. Moderator, Abstract Poster Presentation Session. 2021 Symposium on Substances Use Research. Virtual Conference. Nov. 2021
19. "ED pitfalls: legal concerns in the care of the inebriated patient." Expert panelist. American College of Medical Toxicology 2021 Seminar in Forensic Toxicology. Virtual Conference. Dec 2021
20. "Ethanol case studies and calculations." Presenter and Moderator. American College of Medical Toxicology 2021 Seminar in Forensic Toxicology. Virtual Conference. Dec 2021
21. "Microdosing, macrodosing and XR formulations: Evaluating alternative buprenorphine initiation strategies in the era of high potency opioid analogues and fentanyl." Expert Panelist. American College of Medical Toxicology 2022 Annual Scientific Meeting. Virtual due to COVID19. Mar 2022
22. "Expanding Access to Care through Telehealth: Lessons Learned During the Pandemic." Keynote Speaker Policy and Science Plenary Session. American Society of Addiction Medicine 53<sup>rd</sup> Annual Conference, Hollywood, FL. Apr 2022
23. "Examining Rhode Island's local drug supply and its impacts on people who use drugs: an introduction to testRI." All-Grantee Meeting, Foundation for Opioid Response Efforts (FORE). Sept 27, 2022
24. "Management options for opioid use disorder." Invited Speaker. American College of Medical Toxicology 2022 Total Tox Course. November 11, 2022
25. "Case Review & Roundtable Discussion on Drug of Addiction." Expert Panelist. American College of Medical Toxicology 2022 Total Tox Course. November 11, 2022

26. “testRI: An update on Rhode Island’s local drug supply.” Presenter, FORE Data Innovation Grantee Meeting. Virtual, March 27, 2023.
27. “Drug overdose testing (DOT): preliminary service data acceptability and feasibility.” Moderated poster. American College of Medical Toxicology Annual Scientific Meeting. San Diego, CA, April 2, 2023
28. “Wounds, withdrawal, and overdose: what to expect from xylazine drug supply adulteration.” Speaker and panelist. American Society of Addiction Medicine 54th Annual Conference, Washington DC. Apr 14, 2023
29. “Buprenorphine bridges: telehealth solutions to mitigate buprenorphine barriers.” Speaker and panelist. American Society of Addiction Medicine 54th Annual Conference, Washington DC. Apr 14, 2023
30. “Xylazine’s impact on Rhode Island’s Prevention and Strategies.” Invited Speaker for Rhode Island Department of Health. ASTHO CDC Community Learning Webinar, April 20, 2023.
31. “State-wide drug testing: xylazine.” Invited speaker and moderator. Managing Patients Taking Xylazine-Adulterated Opioids in Emergency, Hospital, & Addiction Care Settings.” Clinical Trials Network (CTN) NIDA Webinar. June 14, 2023.
32. “Bridging emergency medicine and public health: clinical toxicology laboratory strategies to characterize local drug supplies and drug use patterns.” Invited speaker. Association for Diagnostics and Laboratory Medicine, Anaheim CA. July 24, 2023.
33. “Drug Overdose Testing (DOT): Future Directions of Xylazine Research.” Invited speaker. Reagan Udall Foundation for the FDA Public Meeting on Xylazine, Washington D.C. October 4, 2023.

### **International**

1. “Precipitated opioid withdrawal from naltrexone injection.” Research presentation. 2016 European Association of Poison Centres and Clinical Toxicologists Annual Congress, Madrid, Spain. May 2016.
2. “Cannabinoid hyperemesis syndrome: clinical trajectories and patterns of use two weeks following a visit to the emergency department for cyclic vomiting.” Invited research presentation. 2023 North American Congress of Clinical Toxicology (NACCT). Montreal, Canada. September 2023.

### **EDITORIAL POSITIONS**

Editor	Case of the Month Departmental Educational Case Series NYU Dept of EM 2013 – 2014
Editor	Bouncebacks Departmental Newsletter and Lecture Series NYU Dept of EM 2014 – 2015
Ad Hoc Reviewer	Annals of Emergency Medicine 2014 – Present
Ad Hoc Reviewer	European Journal of Emergency Medicine 2016
Editorial Board Fellow-in-Training	Journal of Medical Toxicology 2016 - 2017 <i>National appointment awarded to one fellow annually.</i>
Ad Hoc Reviewer	Drug Safety 2017
Ad Hoc Reviewer	Journal of Medical Toxicology 2017 – 2021
Ad Hoc Reviewer	Clinical Therapeutics 2018 – 2020
Ad Hoc Reviewer	Drug and Alcohol Dependence 2018 – Present
Ad Hoc Reviewer	Addiction 2019
Ad Hoc Reviewer	British Journal of Clinical Pharmacology 2019 - Present
Ad Hoc Reviewer	Journal of Medical Internet Research 2019 - 2021
Ad Hoc Reviewer	Journal of Addiction Medicine 2021- Present
Ad Hoc Reviewer	American Journal of Emergency Medicine 2021- 2022
Ad Hoc Reviewer	Substance Abuse



	2021- Present
Ad Hoc Reviewer	British Medical Journal 2022 – Present
Ad Hoc Reviewer	Plos One 2023 - Present

## **GRANTS CURRENTLY HELD**

### **Drug Checking Pilot Evaluation: Massachusetts Drug Supply Datastream (MADDS)**

Massachusetts Dept of Health/SAMHSA (Green)

Institution: Brandeis University

Amount: \$88,557 (subaward)

3/1/2020- 6/30/2024

Role: Sub-contractor

*This study uses handheld FTIR testing with GC-MS confirmation to analyze drug samples from community sites and provide safety information to community partners and track emerging drug use trends.*

### **RI Department of Behavioral Health, Developmental Disabilities Access Grant/ Buprenorphine Hotline**

RI Department of BHDDH / SAHMSA (Clark)

Institution: Rhode Island Department of Health

Amount: \$241,634 (subaward)

9/1/2020- 5/31/2024

Role: Project Lead

*Project lead on SAMHSA-funded COVID emergency response project to establish and run a 24/7 Buprenorphine Telehealth Hotline for the state of Rhode Island.*

### **Cannabis Hyperemesis Syndrome: An Increasing Challenge in Emergency Care**

NIDA R21DA055023 (Wightman)

Institution: Rhode Island Hospital

Amount: \$646,126

7/1/2021-12/1/2023

Role: PI

*Mixed method study evaluating cannabis use in relation to symptoms and disease progression and explore motivations and barriers to change cannabis use and treatment engagement in patients with CHS.*

### **Cannabis Hyperemesis in Adolescents: An Increasing Challenge in Emergency Care**

Brown Physicians Inc. Academic Assessment Grant 2021(Wightman)

Institution: Brown Emergency Medicine

Amount: \$50,000

10/2021- 12/31/2023

Role: PI

*Goal of this study is to characterize the relationship between cyclic vomiting and cannabis use in adolescents and evaluate biological cannabinoid toxicology profiles.*

**Understanding Drug Use Within a Rapidly Changing Supply: An Ethnographic and Toxicologic Investigation to Improve Overdose Prevention and Supply Surveillance Communication**

Foundation for Opioid Response Efforts (FORE) (MPI Wightman, Collins)

Institution: Brown University

Amount \$564,391

2/15/2022-2/14/2024

Role: MPI

*An integration of ethnographic, epidemiologic, and toxicologic methods to track the evolving opioid crisis at the street level to form prevention and response approaches.*

**Identifying optimal buprenorphine dosing for OUD treatment and prevention of overdose**

NIDA UG3DA056880 (MPI Beaudoin, Wightman)

Institution: Brown University

Amount: \$424,978

7/01/2022- 12/30/2023

Role: MPI

*This study evaluates clinical outcomes for patients with a history of fentanyl use seeking MOUD comparing high versus standard buprenorphine maintenance dose.*

**Cannabis use following trauma exposure: an observational study of the impact of acute stress and fear response on cannabis outcomes**

NIDA R01 DA054116 (PI Brick, Nugent)

Institution: Brown University

Amount: \$502,995

8/5/2022- 5/31/2027

Role: Site-PI

*Observational research, informed by evidence that the endocannabinoid system plays an essential role in regulating stress response and learned fear, will examine naturally occurring cannabis use may alter mechanisms contributing to the development of posttraumatic stress symptoms (PTSS).*

**Prevention/Reduction of ASRs and PTSD to Sustain Warfighter Performance with Cyclobenzaprine**

DoD TP210025 (PI McLean)

Institution: University of North Carolina at Chapel Hill

Amount: \$110,568

9/30/22- 9/29/24

Role: Site-PI

## **COMPLETED GRANTS**

### **Prescription Opioid Harm Reduction Through Erowid.org**

ACMT/MTF: Prescription Drug Abuse Prevention (Wightman)

Institution: New York University School of Medicine

Amount: \$10,000

7/1/2015- 6/30/2016

Role: MPI (Co-PI Nelson)

*Project dedicated to prescription opioid harm reduction via survey research and targeted changes to the Erowid drug-use website in order to improve informed decision-making about substance use by website visitors.*

### **Implementing statewide emergency department care pathways for addiction recovery after opioid overdose**

CDC ROI CE19001 (Beaudoin, Baird)

Institution: Rhode Island Hospital

Amount: \$2,299,486

9/1/2019-8/31/2022

Role: Co-I

*The goals of this study are to: (1) refine and test an implementation strategy that aims to improve the fidelity of ED post-overdose care as it relates to the state's Levels of Care policy, and (2) to test the effectiveness of policy-driven ED-based post-overdose care.*

### **Treatment of the Poisoned Patient: Medical Toxicology SIM Curriculum Development**

Brown Physicians Inc. Academic Assessment Award 2019 (Wightman)

Institution: Brown Emergency Medicine

Amount: \$12,552

1/2020- 12/31/2020

Role: PI

*Goal of project proposal is to create a formalized medical toxicology simulation curriculum for resident physicians and fellows across specialties.*

### **Rhode Island Buprenorphine Hotline**

CDC Overdose Data to Action Grant, Subcontract to RI Hospital (Sub-PI Samuels)

Institution: Rhode Island Dept of Health

4/20/2020-8/31/2021

Role: Lead Physician

*Seed funding to establish a telephone hotline available 24 hours a day, seven days a week to increase access to buprenorphine for patients with moderate to severe opioid use disorder and provide linkage to continued outpatient treatment.*

### **Unintentional fatal opioid overdose in women: toxicologic and pharmacologic sex differences in cause of death**

RI COBRE on Opioids and Overdose Pilot Project (Wightman)

Institution: Rhode Island Hospital

Amount: \$38,154

9/1/2020- 8/31/2021

Role: PI

*The goal of this project is to define toxicologic and pharmacologic differences in fatal opioid overdose based on sex via post-mortem toxicology testing analysis of opioid overdose deaths in Rhode Island.*

**CTN0099 ED-INNOVATION**

NIDA UGI DAO015831 (D'Onofrio)

Institution: NIDA/Yale University; The National  
Drug Abuse Treatment Clinical Trials Network

Amount: \$565,656 (subaward)

6/1/2020-5/31/2022

Role: Site Co-I

*Randomized control trial comparing sublingual buprenorphine to investigational injection extended-release buprenorphine formulation.*

**Drug Overdose Testing: A Data Collection and Reporting Emergency**

NIGMS 5P20GM12207-04 (Rich), COBRE Center on Opioid and Overdose- Project 6

Institution: Rhode Island Hospital

Amount: \$644,240

9/1/2021- 11/01/2022

Role: Project PI

*Evaluation across toxicology testing methods at time of ED overdose for evaluation of substance exposure including NPS and active cut.*

**CTN0099 ED-INNOVATION**

NIDA UGI DAO015831 (D'Onofrio)

Institution: NIDA/Yale University; The National  
Drug Abuse Treatment Clinical Trials Network

Amount: \$217,676 (subaward)

01/01/2023- 08/01/2023

Role: Site PI

*Randomized control trial comparing sublingual buprenorphine to investigational injection extended-release buprenorphine formulation.*

**GRANTS REVIEWER**

Reviewer

ACMT/MTF Innovative Grant Competition  
2020- 2022

Reviewer

CDC Grant Review Panel  
May 4-5, 2022

*Special Emphasis Panel NOFO-CE22-011: Understanding Polydrug Use Risk and Protective Factors, Patterns, and Trajectories to Prevent Drug Overdose*

Reviewer NIDA/NIH Grant Review Panel  
June 21 and 23, 2022  
*RFA-DA-22-50: HEAL Data2Action Research Adoption Support Center*  
*RFA-DA-22-051: HEAL Data2Action Innovation Projects*  
*RFA-DA-22-049: HEAL Data2Action Modeling and Economic Resource Center*  
*RFA-DA-22-052: HEAL Data2Action (HD2A) Data Infrastructure Support Center*

Reviewer NIDA/NIH Grant Review Panel  
March 22, 2023  
*RFA-DA-22-051: HEAL Data2Action – Innovation and Acceleration Projects, Phased Awards*

Reviewer NIDA/NIH Grant Review Panel  
August 2, 2023  
*PAR-20-200 Development of Medications to Prevent and treat Opioid and/or Stimulant Use Disorders and Overdose (UG3/UH3)*

## **UNIVERSITY TEACHING ROLES**

**Teaching Facilitator**, Autonomic Nervous System (Workshop), Medical Student Pharmacology Course, New York University School of Medicine Nov 2015 (100 students).

**Lecturer**, Acetaminophen Toxicity, NYU Medical Student Toxicology Selective, New York University School of Medicine Dec 2015 (8 students).

**Lecturer**, Introduction to Medical Toxicology, Emergency Medicine Medical Student Elective, New York University School of Medicine Feb 2016 (20 students).

**Leader**, Management of the Agitated Patient Simulation, Medical Student Interclerkship Intensive, New York University School of Medicine Sep 2016 (60 students).

**Leader**, Clinical Pharmacology (Workshop), Medical Student Pharmacology Course, New York University School of Medicine Oct 2016 (40 students).

**Leader**, Autonomic Nervous System Simulation (Workshop), Medical Student Pharmacology Course, New York University School of Medicine Nov 2016 (40 students).

**Lecturer**, Management Acetaminophen Poisoning, NYU Medical Student Toxicology Selective, New York University SOM Jan 2017 (7 students).

**Lecturer**, Approach to Poisoned Patient, Emergency Medicine Medical Student Elective, New York University SOM Jan 2017 (20 students).

**Leader**, Chest Pain Assessment Simulation, Transitions to Residency Program, New York University School of Medicine May 2017 (20 students).

**Lecturer**, Intro to Pharmacology: Drug Development and Safety, 1<sup>st</sup> Year Medical Student Pharmacology Course, Alpert Medical School of Brown University Nov 2018 (144 students).

**Guest Lecturer**, Emerging Patterns of Drug Abuse: Novel Opioids, PHP1520- Emergency Medical Systems: An Anatomy of Critical Performance, Undergrad School of Public Health at Brown University Mar 2019 (50 students).

2<sup>nd</sup> Year Doctoring **Faculty Community Mentor**, Niralee Shah '22, Alpert Medical School of Brown University (4 hrs/wk, 13 wks, 1 student/yr) 2019-2020.

**Invited Judge**, 12<sup>th</sup> Annual Warren Alpert Medical School Academic Symposium, Alpert Medical School, Brown University. Nov 13, 2019

**Lecturer**, Intro to Pharmacology I: Drug Development and Safety, 1<sup>st</sup> Year Medical Student Pharmacology Course, Alpert Medical School of Brown University Dec 2, 2019 (144 students).

**Lecturer**, Intro to Pharmacology IV: Drug Dosing, Webinar, 1<sup>st</sup> Year Medical Student Pharmacology Course, Alpert Medical School of Brown University Dec 10, 2019 (144 students).

**Leader and Developer**, Pharmacokinetics Problem Set and Workshop, 1<sup>st</sup> Year Medical Student Pharmacology Course, Alpert Medical School of Brown University Dec 12, 2019 (144 students).

**Lecturer**, Mushrooms, BIOL 6652- Wilderness Medicine, Alpert Medical School of Brown University Apr 13, 2020 (10 students).

**Faculty**, Sex and Gender Emergency Medicine Medical Student Elective, Alpert Medical School of Brown University Sept 2020- present (10 students/year). Precept medical students on clinical shift and provide dedicated teaching in sex/gender pharmacology.

**Lecturer**, Scientific Foundations of Medicine: Pharm I, 1<sup>st</sup> Year Medical Student Pharmacology Course, Alpert Medical School of Brown University Nov 30, 2020 (144 students), remote due to COVID.

**Lecturer**, Scientific Foundations of Medicine: Pharm IV, 1<sup>st</sup> Year Medical Student Pharmacology Course, Alpert Medical School of Brown University Dec 11, 2020 (144 students), remote due to COVID.

**Developer and Leader**, Scientific Foundations of Medicine: Pharmacokinetics Workshop, 1<sup>st</sup> Year Medical Student Pharmacology Course, Alpert Medical School of Brown University Dec 11, 2020 (144 students), remote due to COVID.

**Lecturer**, Mushrooms, EM 5660- Wilderness and Environmental Medicine, Alpert Medical School of Brown University Apr 8, 2021 (10 students).

## GRADUATE MEDICAL EDUCATION

**Instructor**, ACLS/PALS, NYU Dept EM. 2011- 2015

**Facilitator**, Journal Club, NYU Dept of EM. 2013-2014

**Facilitator**, Morning Report Resident Educational Conference, NYU Dept of EM. 2014- 2015

**Facilitator**, Journal Club, New York City Poison Control Center. 2015- 2017

**Lecturer and Facilitator**, Visiting Medical Student and Resident Toxicology Rotation, New York City Poison Control Center. 2016- 2017

**Supervisor and Teacher**, Emergency Medicine Resident Clinical Education, New York University School of Medicine/Bellevue Hospital Center. 2015-2017

**Supervisor and Teacher**, Emergency Medicine Resident Clinical Education, Alpert Medical School of Brown University/Lifespan. 2017-present

- Precept 1-2 emergency medicine residents, off service residents, and/or medical students per clinical shift.

**Core Content Developer and Lecturer**, Medical Toxicology Rotation, Emergency Medicine Residency Training Program, Alpert Medical School of Brown University.

- 20 lectures per year, 13 resident rotators and 1-2 addiction medicine fellows per year. 2017-2020

**Director of Toxicology Education**, Medical Toxicology Rotation, Emergency Medicine Residency Training Program, Alpert Medical School of Brown University.

- Develop and lead curriculum for toxicology education for emergency medicine residents including asynchronous online education, conference presentations, and simulation teaching and workshops. 2020-2023

#### DEPARTMENTAL LECTURES

1. **Lecturer**, “Vaginal Bleeding in Pregnancy.” EMS Lecture Series, NYU Medical Center, March 2012.
2. **Lecturer**, “Acute Life-Threatening Event.” NYU Dept. of EM Residency Conference, Nov. 2012.
3. **Developer and Leader**, “Asthma/Copd Workshop.” Intern Report, NYU Dept. of EM, July 2013.
4. **Presenter**, “Tarlov Cyst.” Interdepartmental Monthly Case Presentation, NYU Dept. of EM, Sept. 2013.
5. **Teaching Facilitator**, “Splinting Workshop.” Intern Report, NYU Dept. of EM, Feb 2014.

6. **Lecturer**, “Pelvic Trauma.” EM/Surgery Joint Conference, NYU Dept. of EM Residency Conference, Feb. 2014.
7. **Developer and Leader**, “Medication Dosing Safety (Workshop).” Intern Report, NYU Dept. of EM, May 2014.
8. **Lecturer**, “Sexually Transmitted Infection Updates.” NYU Dept of EM Residency Conference, May 2014
9. **Presenter**, “Tide Pod Ingestion.” Interdepartmental Monthly Case Presentation, NYU Dept. of EM, June 2014.
10. **Lecturer**, “Diagnostic Imaging for Nephrolithiasis.” EM Journal Update, NYU Dept. of EM Residency Conference, July 2014.
11. **Lecturer**, “Pediatric Head Trauma.” EM Journal Update, NYU Dept. of EM, Oct. 2014.
12. **Lecturer**, “Morbidity, Mortality, and Improvement.” NYU Dept. of EM Residency Conference, June 2015.
13. **Leader**, “Gastric Lavage (Workshop).” Resident Conference, NYU Dept. of EM, April 2016.
14. **Leader**, “Salicylate Overdose (Workshop).” Resident Simulation, NYU Dept. of EM, April 2016.
15. **Leader**, “Acid/Base (Workshop).” Resident Conference, NYU Dept. of EM, July 2016.
16. **Leader**, “Calcium Channel Blocker Overdose Workshop.” Resident Simulation, NYU Dept. of EM, April 2017.
17. **Lecturer**, “Cyanide Poisoning.” Resident Conference, NYU Dept. of EM, April 2017.
18. **Leader**, “Toxic ECGs (Workshop).” Resident Conference, NYU Dept. of EM, April 2017.
19. **Lecturer**, “Cyanide Poisoning.” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Nov. 2017.
20. **Leader and Developer**, “Salicylate Toxicity (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Jan. 2018.
21. **Leader and Developer**, “Anticholinergic Poisoning (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Feb. 2018.



22. **Toxicology Content Advisor**, “Non-Cardiogenic Pulmonary Edema Precipitated Opioid Withdrawal (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Nov. 2018.
23. **Leader and Developer**, “Calcium Channel Blocker Overdose (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Dec. 2018.
24. **Lecturer**, “Caustic Ingestions: Updates in Management.” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Jan. 2019.
25. **Leader and Developer**, “GI Decontamination Workshop.” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Jan. 2019.
26. **Leader and Developer**, “Iron Ingestion (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Feb. 2019.
27. **Toxicology Content Advisor**, “Organophosphate Disaster (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School, May 2019.
28. **Lecturer**, “Chemical Warfare and Bioterrorism.” EMS Fellowship Brown Emergency Medicine, Alpert Medical School of Brown University, May 2019.
29. **Leader and Developer**, “Pediatric GI Decontamination Workshop.” Pediatric EM Fellow Conference, Dept. of EM, Alpert Medical School of Brown University, Oct. 2019.
30. **Leader and Developer**, “Pediatric Salicylate Toxicity (Simulation).” Pediatric EM Fellow Conference, Dept. of EM, Alpert Medical School of Brown University, Oct. 2019.
31. **Leader and Developer**, “Methylxanthine Overdose (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Jan. 2020.
32. **Lecturer**, “Chemical Warfare and Bioterrorism.” Emergency Medical Systems Division, Brown Emergency Medicine, Alpert Medical School of Brown University, May 2020.
33. **Faculty Leader**, “Toxicology Journal Club. Buprenorphine to Reverse Respiratory Depression from Methadone.” Brown Emergency Medicine Residency, Dept. of EM, Alpert Medical School of Brown University, June 2020.
34. **Lecturer**, “Evidence-based Emergency Care for Opioid Use Disorder.” Brown Emergency Medicine Residency, Dept. of EM, Alpert Medical School of Brown University, Nov. 2020.
35. **Leader and Developer**, “Clonidine Pediatric Overdose (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Jan. 2021.

36. **Leader and Developer**, “Loperamide Toxicity (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Jan. 2021.
37. **Leader and Developer**, “Clonidine Pediatric Overdose (Simulation).” Pediatric EM Fellow Conference, Dept. of EM, Alpert Medical School of Brown University, Feb. 2021.
38. **Leader and Developer**, “Hydrofluoric Acid Exposure (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, March 2021.
39. **Leader and Developer**, “INH ingestion (Simulation).” Resident Conference, Dept. of EM, Alpert Medical School of Brown University, Sept. 2022.
40. **Leader and Developer**, “Status Epilepticus: Pediatric INH Ingestion (Simulation).” Pediatric EM Fellow Conference, Dept. of EM, Alpert Medical School of Brown University, Oct. 2022.

### **UNIVERSITY ADVISING AND MENTORING ROLES**

**Group Leader**, “How to Engage Effectively with a Mentor,” Women in Medicine Mentoring Night Program, Alpert Medical School of Brown University, Oct 26, 2017. (5 students).

**Mentor**, Jonathan Fletcher, MD, PGY2 Dept of EM, Alpert Medical School of Brown University, 2017- 2018.

Fletcher JM, Hack JB, **Wightman RS**. Digoxin recrudescence: a life-threatening reality for end stage renal disease patients. *J Med Tox.* 2018;14(1):33. American College of Medical Toxicology Annual Scientific Meeting. Washington DC, April 2018.

**Mentor**, Shihab Ali, MD, PGY2 Dept of EM, Alpert Medical School of Brown University, Aug. 2018.

Ali S, **Wightman RS**, Hack J. Acute Respiratory Failure from Cement Exposure: A Case Report and Review of the Literature. *Rhode Island Medical Journal.* February 2019:55-57

**Group Leader**, “Women in Academic Medicine and Leadership,” Women in Medicine Mentoring Night Program, Alpert Medical School of Brown University, Oct. 11, 2018. (30 students).

**Research Mentor**, Clayton Stehr, Undergrad Brown University, 2018- 2019.

**Wightman RS**, Stehr C. Can the FDA’s Adverse Event Reporting System (FAERS) Data Be Used to Assess the Impact of Interventions Such As Risk Evaluation and Mitigation Strategies (REMS)? *Clin Tox.* 2019;57(10):931. North American Congress of Clinical Toxicology Nashville, TN, Sept 25 2019.

**Faculty Advisor**, Chicago Medical School, North Chicago, Illinois, 2018- 2019.  
Advisees: Christopher Gideon M1; Oliver Drewry M2.

**Mentor**, Matthew Leon, BS, Brown Emergency Medicine Medical Scribe Program, 2018- 2019.  
Career counseling for medical school application process.  
Class 2023 F. Edward Hebert School of Medicine at the Uniformed Services University,  
Washington DC.

**Mentor**, Josh Kaine, MD, PGY2 Dept of EM, Alpert Medical School of Brown  
University, Mar 7, 2019.  
“Toxic Rainbow.” Ignite Presentation. RIACEP. Providence, RI.

**Research Mentor**, Victoria Zeyl Class of '2022, Alpert Medical School of Brown University,  
2019-2020.  
Zeyl T, Sawyer K, **Wightman RS**. What do you know about Mary Jane? Literature  
review on the THC: CBD Ratio. Submitted for presentation American College of  
Medical Toxicology 2020. Annual Scientific Meeting, New York, NY.

**Mentor**, Travis Hase, MD, PGY4 Dept of EM, Alpert Medical School of Brown University,  
2019.  
Acetaminophen Overdose. EMRA Pressorbox 4.0.

**Group Leader**, “Career Paths in Medicine,” Women in Medicine Mentoring Night Program,  
Alpert Medical School of Brown University, Oct. 1, 2019. (10 students).

**Group Leader**, “Women in Medicine Specialty Night,” Office of Women in Medicine and  
Science, Alpert Medical School of Brown University, Jan. 30, 2020.

**Research Mentor**, Caroline Meehan, MD PGY2 Dept of EM, Alpert Medical School of Brown  
University, Apr. 2020.  
Meehan C, **Wightman RS**. A Case Report of Isopropanol Ingestion During the SARS-  
CoV-2 Pandemic. *J Addict Med*. Accepted July 2020, pending publication.

**Mentor**, Sean Reid, MD PGY2 Dept of EM, Alpert Medical School of Brown University, 2020-  
2023.

Hydrofluoric acid exposure (Simulation).” Resident Conference, Dept. of EM, Alpert  
Medical School of Brown University.

Sean R, **Wightman RS**. Cannabinoid Hyperemesis Syndrome. Systematically Testing the  
Evidence on Marijuana (STEM). Collaborative project between the US Department of  
Veterans Affairs and the Center for Evidence-based Policy at Oregon Health & Science  
University. February 2023. [https://www.cannabisevidence.org/clinician-  
resources/clinician-briefs/cannabinoid-hyperemesis-syndrome/](https://www.cannabisevidence.org/clinician-resources/clinician-briefs/cannabinoid-hyperemesis-syndrome/)

**Group Leader**, “Women in Medicine Specialty Night,” Virtual Zoom Event due to COVID19.  
Office of Women in Medicine and Science, Alpert Medical School of Brown University, Jan 26,  
2021.

**Research Mentor**, Katherine Stewart, MD PGY2 Dept of EM, Alpert Medical School of Brown University, Sept. 2021- 2023

Stewart K, Francis V, **Wightman RS**. Statewide variation in cannabinoid regulations. *Rhode Island Medical Journal*. Accepted October 2022.

**Mentor**, Courtney Pederson, MD PGY2 Dept of EM, Alpert Medical School of Brown University. Mar 2022

National Presentation at American College of Medical Toxicology National Case Conference. “Family outbreak of UV Keratitis caused by UV Lamp placed for COVID protection.”

**Research Mentor**, Kyle Volpe, MD PGY2 Dept of EM, Alpert Medical School of Brown University, Jul 2022- 2023

Volpe K, Wightman RS. Delta what? Deciphering the world of cannabinoids. *Rhode Island Medical Journal*. September 1, 2022;105(7):37-41. PMID:36041020.

**Sonia Kapadia**, MS1, Alpert Medical School of Brown University, Nov 2022- June 2026. Thesis Mentor, Master of Science Population Medicine.

**Frankie Pappalardo**, MS2, Alpert Medical School of Brown University, Nov 2022- current. Research Mentor.

Pappalardo F, Krieger M, Park C, Beaudoin F, **Wightman RS**. Naloxone practices and overdose history among patients presenting to the emergency department with non-fatal drug overdose. *Clinical Toxicology*;61(2):A101. North American Congress of Clinical Toxicology (NACCT). September 2023. Montreal, Canada.

**References Available Upon Request**