

Daniel Overbeek, MD
Phone: 616-460-2626
Email: danieloverbeekmd@gmail.com

Current Position

- 07/2023 – Faculty, Emergency Care Specialists, Grand Rapids, MI
- Clinical practice at Corewell Health, including Emergency Medicine, Toxicology, Addiction Medicine
 - Clinical Assistant Professor, Michigan State University
- 07/2021 – Faculty, SUNY Upstate Poison Control Center, Syracuse, NY

Prior Positions

- 07/2021 – 06/2023 Senior Instructor, Department of Emergency Medicine and Medical Toxicology, University of Rochester Medical Center
- Clinical practice including Emergency Medicine, Toxicology, Addiction Medicine
- 07/2019 – 06/2021 Brigham and Women’s Hospital, Boston, MA
- 09/2019 – 06/2021 Cambridge Health Alliance, Cambridge, MA
- 07/2018 – 06/2019 Sturgis Hospital Emergency Department, Sturgis, MI

Education / Training

- 07/2019 – 06/2021 Medical Toxicology Fellowship, Harvard Medical School and Boston Children’s Hospital
- 07/2015 – 06/2019 Emergency Medicine Residency, University of Michigan, Ann Arbor, MI
- Toxicology Track
- 07/2011 – 06/2015 Wayne State University School of Medicine, Doctor of Medicine, Detroit, MI
- 09/2006 – 05/2010 University of Michigan, B.S. Cellular and Molecular Biology, Ann Arbor, MI

Certification and Licensure

American Board of Emergency Medicine
Board certified

American Board of Emergency Medicine, Medical Toxicology
Board certified

American Board of Preventative Medicine, Addiction Medicine
Board certified

State of New York, Medical License and Controlled Substance Registration, Active

State of Michigan, Medical License and Controlled Substance Registration, Active

DEA Controlled Substance Registration with X-Waiver, Active

Professional Experience

06/2010 – 05/2011 Epic Systems, Madison, WI
- Technical Services, Inpatient Pharmacy

Academic and Clinical Interests

- Medical Toxicology and Emergency Medicine
 - Cannabis use and toxicity, including unintentional exposures after recreational legalization
 - E-cigarettes / vaping, including acute lung injury and chronic toxicity
 - Toxicology care utilization, including disparities in provision of toxicology care
 - Novel drugs of abuse and their surrounding culture, including internet forums of drug users
 - Critical care for acutely intoxicated patients, including the use of extracorporeal membrane oxygenation and invasive cardiovascular support
- Medical Education and Educational Theory
 - Residency educational curriculum development, including Toxicology topics.
 - The use of gamification to enhance learner experience
 - Production and implementation of residency ‘Simwars’ toxicology simulation cases.
 - Graduate Medical Education Committee (Fellowship)

Peer Reviewer

Journal of Emergency Medicine

Publications and Abstracts

Overbeek DL, Janke AT, Watson CJ, Salhi RA, Kim E, Boatright D, Losman ED (2023). Disparate Utilization of Urine Drug Screen Nationwide in the Evaluation of Acute Chest Pain. *Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health*. doi.org/10.5811%2Fwestjem.2022.11.58231

Suh L, **Overbeek DL**. Corneal Trauma: Abrasions, Lacerations, Foreign Bodies, Burns, and Contact Lenses. In *Manual of Eyes, Ears, Nose, and Throat Emergencies*. Wolters Kluwer. 2023.

Overbeek DL, Erickson T. Sedative-Hypnotics. *Rosen’s Emergency Medicine: Concepts and Clinical Practice*, 10th Edition. 2022.

Watson C, **Overbeek DL**, Allegri-Machado G, Kellogg M, Patterson A, McAlvin B, Burns Ewald MM. Thiocyanate toxicity: a teaching case. *Clin Toxicol (Phila)*. 2022 Mar 4:1-6. doi: 10.1080/15563650.2022.2042012.

Coralic Z, Kapur J, Olson KR, Chamberlain JM, **Overbeek DL**, Silbergleit R. Treatment of Toxin-Related Status Epilepticus With Levetiracetam, Fosphenytoin, or Valproate in Patients Enrolled in the Established Status Epilepticus Treatment Trial. *Ann Emerg Med*. 2022;S0196-0644(22)00269-4. doi:10.1016/j.annemergmed.2022.04.020

Watson CJ, Stone GL, **Overbeek DL**, Chiba T, Burns MM. (2022). Performance-enhancing drugs and the Olympics. *Journal of Internal Medicine*. <https://doi.org/10.1111/joim.13431>

Schaffer DH, **Overbeek DL**, Erickson TB, Boyer EW, Goldfine C, Muhsin SA, Chai PR. Severe colchicine poisoning treated successfully with kidney replacement therapy and plasmapheresis: a case report. *Toxicology Communications*. 2022 Dec 31;6(1):47-51.

Overbeek DL, Watson CJ, Castañeda NR, Ganetsky M. A Geographically Distinct Case of Fatal Methanol Toxicity from Ingestion of a Contaminated Hand Sanitizer Product During the COVID-19 Pandemic. *J Med Toxicol*. 2021 Apr;17(2):218-221. doi: 10.1007/s13181-021-00824-9.

Schaffer D, **Overbeek DL**, Erickson T, Boyer E, Goldfine C, Muhsin S, Chai P. Long term survival after acute colchicine

overdose treated with hemodialysis and plasmapheresis. North American Congress of Clinical Toxicology. Poster Presentation. Abstract #108. October 17, 2021.

Overbeek DL, Kass AP, Chiel LE, Boyer EW, Casey AMH. A review of toxic effects of electronic cigarettes/vaping in adolescents and young adults. *Crit Rev Toxicol*. 2020;50(6):531-538. doi:10.1080/10408444.2020.1794443 *co-first author

Overbeek DL, Kass AP, Chiel LE, Boyer EW, Casey AMH. Case series: Adolescent victims of the vaping public health crisis with pulmonary complications. *Pediatr Pulmonol*. 2020;55(5):1224-1236. doi:10.1002/ppul.24729 *co-first author

Chary M, **Overbeek DL**, Papadimoulis A, Sheroff A, Burns MM. Geospatial Correlation Between COVID-19 Health Misinformation and Poisoning with Household Cleaners in the Greater Boston Area. *Clinical Toxicology*. 2020. doi:10.1080/15563650.2020.1811297

Overbeek DL, Shaffer RW (2020) Management of Beta Blocker and Calcium Channel Blocker Toxicity. In: Hyzy R., McSparron J. (eds) Evidence-Based Critical Care. Springer, Cham. https://doi.org/10.1007/978-3-030-26710-0_7

Haas MRC, Munzer BW, Santen SA, Hopson LR, Haas NL, **Overbeek DL**, Peterson WJ, Cranford JA, Huang RD. #DidacticsRevolution: Applying Kotter's 8-Step Change Management Model to Residency Didactics. *West J Emerg Med*. 2019 Dec 19;21(1):65-70. doi: 10.5811/westjem.2019.11.44510. PMID: 31913821

Overbeek DL, Hogikyan EM, Davis M, McGillicuddy DC. A unique case of bradycardia recognized by wearable technology as first presentation of complete heart block. *Am J Emerg Med*. 2019 Jul 21; 158357. PMID: 31353161.

Overbeek DL, Abraham J, Munzer BW. Kratom (Mitragnine) Ingestion Requiring Naloxone Reversal. *Clin Pract Cases Emerg Med*. 2019 Feb; 3(1):24-26. PMID: 30775658.

Turer R, Arribas M, **Overbeek DL**, Balgord S, Medlin R “How to Build a Resident Informatics Track.” SAEM Academic Assembly. Las Vegas, NV. 16 May 2019.

Overbeek DL, Janke AT. Characteristics of Posts of Opioid Users on Reddit, an Online Social Media Forum, An Area for Improved Harm Reduction. 2018. Abstract presented to American College of Emergency Physicians

Janke AT, **Overbeek DL**, Kocher KE, Levy PD. Exploring the potential of predictive analytics and big data in emergency care. *Ann Emerg Med*. 2016;67:227–36.

Janke AT, Brody AM, **Overbeek DL**, Bedford JC, Welch RD, Levy PD. Access to care issues and the role of EDs in the wake of the Affordable Care Act. *Am J Emerg Med*. 2015 Feb;33(2):181-5.

Janke AT, **Overbeek DL**, Bedford JC, Levy PD. Emergency department as usual source of care in a nationally representative sample of American households. *Ann Emerg Med*. 2014;64:S87.

Marinec PS, Evans CG, Gibbons GS, Tarnowski MA, **Overbeek DL**, Gestwicki JE. Synthesis of Orthogonally Reactive FK506 Derivatives via Olefin Cross Metathesis. *Bioorg Med Chem* 2009; 17:5763.

Honors and Awards

2021 – Fellow Teaching Honor Roll – Harvard Medical Toxicology Fellowship, Boston Children’s Hospital

2019 – Senior Resident Teaching Award – Given at Emergency Medicine residency graduation to the senior resident chosen by their peers as providing top contributions to resident education

2019 – Best Resident Medical Student Educator – Voted on by the medical students at University of Michigan as the top resident medical student educator

2019 – Top IGNITE Presentation at Society of Academic Emergency Medicine – “Everything You Need to Know About Hospital Communication You Learned from ‘The Princess Bride’.”

2015 – Alpha Omega Alpha

2006 – Eagle Scout Award

Teaching Portfolio

Grand Rounds

November 2022 – Trinity Health Family Medicine Residency

“What’s New in Drugs of Abuse” and “From Russia with Love - Poisonings of the Cold War (and it's aftermath)”

November 2021 – University of Michigan Emergency Medicine Residency

“What’s New in Drugs of Abuse” and “From Russia with Love - Poisonings of the Cold War (and it's aftermath)”

Selected Invited Lectures

Emergency Medical Toxicology – Toxidromes and Critical Presentations

Emergency Care Services APP Postgraduate Program, Grand Rapids, MI

Buprenorphine for the Pediatric Emergency Department

University of Rochester Pediatric Emergency Medicine Fellowship, Rochester, NY

Pot-pourri: Challenges with Recreational Cannabis Legalization

University of Rochester Pediatric Critical Care, Rochester, NY

Pediatric Network Healthcare Summit, Boston, MA

Boston Children’s Hospital and Boston Medical Center, Boston, MA

Steward Carney Hospital, Boston, MA

University of Michigan Emergency Medicine, Ann Arbor, MI

Kent Hospital Emergency Medicine, Warwick, RI

Interpreting Drug Screens: Asking the Right Questions

Kent Hospital Emergency Medicine, Warwick, RI

Electronic Cigarettes and Vaping Associated Toxicities

Boston Children’s Hospital Pediatrics Conference, Boston, MA

Harvard Medical Toxicology Fellowship, Boston, MA

Severe Agitation and Ketamine

University of Michigan Survival Flight Conference, Frankenmuth, MI