Daniel Overbeek, MD

Physician Consultant | Medical Toxicology & Human Health Risk



Key Expertise

- Medical Toxicology, Addiction Medicine, Emergency Medicine
- Alcohol and Dram Shop
- Drugs of Abuse including Opioids, Cannabis, Kratom
- Pharmaceuticals and Overdoses

Education

Medical Toxicology Fellowship Harvard

Emergency Medicine Residency University of Michigan

Doctor of Medicine (MD) Wayne State University School of Medicine

Bachelor of Science (BS) University of Michigan

Project Geographical Experience

United States (Nationwide)

Languages

English

Contact

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Summary of Experience

Dr. Overbeek is a physician consultant, board-certified in Medical Toxicology, Addiction Medicine and Emergency Medicine, with over a decade of clinical experience in varied settings from Academic Trauma centers to rural critical access hospitals. He is also experienced in Toxicology and Addiction care, including alcohol use disorder and the use of medications to treat opioid use disorder (methadone/buprenorphine). Dr. Overbeek is also experienced in expert support of litigation matters. Proven ability to synthesize complex medical data, provide clear and defensible opinions, and serve as a trusted advisor to attorneys, corporate clients, and multidisciplinary teams.

Professional Licensure

- Board Certified – Medical Toxicology, Addiction Medicine, Emergency Medicine

Professional Affiliations/Memberships

Michigan Emergency Department Improvement Collaborative – Data and Publications Committee

Honors & Recognition

- Fellow Teaching Honor Roll – Harvard Medical Toxicology Fellowship
- Senior Resident Teaching Award – Best Medical Student Educator
- Top IGNITE Presentation – Society of Academic Emergency Medicine

Expert/Testifying Experience

Dr. Overbeek has provided expert consulting and testimony support in civil and criminal litigation involving pharmaceutical liability, chemical and environmental exposures, alcohol and drugs of abuse including dram shop suits, and medical causation. His experience includes written expert reports, deposition testimony, trial testimony, affidavit preparation, and strategic consultation with counsel throughout all stages of litigation.

Role at J.S. Held

At J.S. Held, Dr. Overbeek provides medical toxicology and human health risk consulting services to attorneys, corporations, and public entities. His work includes medical record review, exposure and dose reconstruction, adverse event analysis, regulatory and safety evaluation, expert report preparation, deposition support, and trial testimony in high stakes matters.

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PROFESSIONAL EXPERIENCE

Medical Consultant & Principal

J.S. Held, LLC
Physician Consultant – Medical Toxicology & Human Health Risk | 2026–Present

- Provide medical toxicology, causation, and human health risk consulting services in support of litigation, regulatory, and corporate matters.

Daniel Overbeek MD Consulting | 2023–Present

- Founded and scaled an independent toxicology and medical consulting practice
- Provide advanced toxicological analysis across pharmaceuticals, chemicals, consumer products, and drugs of abuse.
- Perform comprehensive review and synthesis of medical records, toxicological data, exposure assessments, incident reports, and scientific literature.
- Deliver expert opinions on causation, dose–response, mechanism of toxicity, and health risk.
- Support civil and criminal litigation through expert reports, case strategy consultation, depositions, and trial testimony.
- Advise attorneys and corporate clients on regulatory, safety, and risk-related issues in high-stakes matters.

Toxicologist, Addiction Medicine & Emergency Medicine Physician

Emergency Care Specialists | 2023–2026
University of Rochester Medical Center | 2021–2023
Harvard Medical School / Brigham and Women's Hospital | 2019–2021

- Delivered acute and longitudinal care to critically ill patients with complex toxicological, pharmacologic, and environmental exposures.
- Conducted real-time assessment of adverse events, emergencies and poisoning cases, and medication-related harms.
- Led multidisciplinary clinical teams in high-pressure environments requiring rapid risk assessment and decision-making.
- Served as a medical resource on drug safety, exposure management, and toxicologic risk.
- Authored and co-authored more than 20 peer-reviewed publications focused on toxicology, drug safety, and exposure-related harm.
- Presented nationally on toxicology, risk communication, and product/drug safety.

Medical Toxicology Fellow
Harvard Medical Toxicology Fellowship | 2019–2021

- Delivered subspecialty consultation for patients experiencing serious toxicologic issues including unexpected adverse drug reactions.
- Monitored and analyzed Poison Control Center and surveillance datasets to detect emerging safety signals and trends.

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Technical Services

Epic Systems | 2010–2011

- Supported hospital clients with electronic health record optimization and implementation.
- Collaborated with clinical, technical, and operational teams during system builds and go-live phases.
- Developed a strong foundation in healthcare operations and cross-functional problem solving.

PUBLICATIONS & PRESENTATIONS

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.

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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 (Mitragynine) 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.

Abridged Teaching Portfolio

Grand Rounds

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)"

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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)”

Selected Invited Lectures

So You Want to Be an Expert Witness (American College of Medical Toxicology)

Addiction Toxicology – Performance Enhancing Drugs and the Athlete’s Biologic Passport – Panel Discussion (Addiction Toxicology Conference – American College of Medical Toxicology)

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)

PERSONAL INTERESTS AND AWARDS

- Competitive Pinball (Michigan Semi-Finalist January 2026)
- Eagle Scout (2006)

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