

**DEPARTMENT OF EMERGENCY  
MEDICINE SCHOLARLY ACTIVITY**

**July 2023 -June 2024**

Presentations:	3 Oral Presentations at National Conference (Stucker, Huecker, Platt) 4 Oral Lectures at International Conference (Kuzel x4)
	3 Posters at Local Conference (Research Louisville, KY ACEP) 3 Oral Presentations at Local/Regional Meetings (Eisenstat, Platt x2)
Total Book Chapters, Electronic Chapters, and Peer Reviewed Publications:	64
Current Projects in Progress:	27
Grants:	4 (ICECAP NIH Grant within SIREN Network, PACT DOD grant within LITES network, BARDA, NIH COPD)
Journal of Wellness: (peer-reviewed journal housed in the Dept of Emergency Medicine)	99 papers

**PEER REVIEWED PUBLICATIONS**

1. Zafren K, Hollis S, Weiss E, **Danzl D**, et al. Prevention and treatment of nonfreezing cold injuries and warm water immersion tissue injuries: supplement to wilderness medical society clinical practice guidelines for the prevention and treatment of frostbite; *Wilderness Environ Med.*, 2023; 24(2): 172-81
2. Gaither R, Zandstra T, Linnstaedt SD, McLean SA, Lechner M, Bell K, Black J, Buchanan JA, Ho JD, **Platt MA**, Riviello RJ, Beaudoin FL. Impact of neighborhood disadvantage on posttrauma outcomes after sexual assault. *J Trauma Stress.* 2024 Jun 5. doi: 10.1002/jts.23056. Epub ahead of print. PMID: 38840463.
3. Walsh K, Short N, Ji YY, An XM, Witkemper KD, Lechner M, Bell K, Black J, Buchanan J, Ho J, Reed G, **Platt M**, Riviello R, Martin SL, Liberzon I, Rauch SAM, Bollen K, McLean SA. Development of a brief bedside tool to screen women sexual assault survivors for risk of persistent posttraumatic stress six months after sexual assault. *J Psychiatr Res.* 2024 Jun;174:54-61. doi: 10.1016/j.jpsychires.2024.04.013. Epub 2024 Apr 9. PMID: 38615545; PMCID: PMC11151166.

4. Thurman JT, Leavitt R, Buchanan JT, **Shreffler J, Huecker MR**, Early T. Carbon Monoxide Levels Produced by Propane/Isobutane Canister Stoves inside a Tent. *Wilderness Environ Med*. 2023 Dec;34(4):513-516. doi: 10.1016/j.wem.2023.06.006. Epub 2023 Oct 9. PMID: 37816660.
5. **McMurray, M., Sowers, A., Orthober, R., & Huecker, M.** (2023). Case Report of Malignant Hyperthermia in the Emergency Department. *Clinical Practice and Cases in Emergency Medicine*, 7(2). <http://dx.doi.org/10.5811/cpcem.1402> Retrieved from <https://escholarship.org/uc/item/9n04n73n>
6. Critically ill methemoglobinemia due to sodium nitrite ingestion facilitated by cellulose capsules. **Luther Daniel, Matthew Eisenstat, Tyler Bayers, Raymond Orthober**. NACCT, September 2023
  - i. (2023) North American Congress of Clinical Toxicology (NACCT) 2023, Clinical Toxicology, 61:sup2, 1-186, DOI: 10.1080/15563650.2023.2233835
7. **McMurray M, Orthober R, Huecker M**. Ketamine's love story with the heart: A Takotsubo twist. *Am J Emerg Med*. 2024 Mar;77:232.e5-232.e7. doi: 10.1016/j.ajem.2023.12.041. Epub 2024 Jan 3. PMID: 38184443.
8. Gosser C, **Nix K**. Man With Blunt Chest Trauma. *Ann Emerg Med*. 2024 May;83(5):496-497. doi: 10.1016/j.annemergmed.2023.11.009. PMID: 38642976.
9. B. Patrick Murray, Joseph Carpenter, **Matthew Eisenstat** et al. Medical Toxicology: What Do I Do Now Emergency Medicine. Textbook Chapter. November 2023.
10. Alaina Royalty, **Matthew Eisenstat**. "Dangerous Pill to Swallow: A Case Report". EM Resident, April 2024. Online.
11. **Danzl, D**. Up to Date: 2023; <http://www.UptoDate.com>; Adult Environmental Emergencies, Section Editor
12. **Danzl, D**. Up to Date: 2023; <http://www.UptoDate.com>; Pediatric Environmental Emergencies, Section Editor
13. **Danzl, D**. Up to Date: 2024; <http://www.UptoDate.com>; Adult Environmental Emergencies, Section Editor
14. **Danzl, D**. Up to Date: 2024; <http://www.UptoDate.com>; Pediatric Environmental Emergencies, Section Editor
15. Brenner B, **Huecker M**, Craig S. eds Emergency Medicine. StatPearls Board Review Series. StatPearls Publishing. 2024
16. **Huecker M**, Shreffler J Eds. Statistics and Healthcare Economics. StatPearls Board Review Series. StatPearls Publishing. 2024
17. **Huecker MR, Shreffler J**. How To Read A Scientific Manuscript. 2022 Sep 12. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 33232081.

18. **Huecker MR, Shreffler J.** How To Write And Publish A Scientific Manuscript. 2022 Oct 31. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 33232064.
19. **Shreffler J, Huecker MR.** Common Pitfalls In The Research Process. 2023 Mar 6. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 33760539.
20. **Huecker MR, Shreffler J.** Ethical Issues in Academic Medicine. 2023 Jun 5. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan. PMID: 34283510.
21. **Shreffler J, Huecker MR.** Types of Variables and Commonly Used Statistical Designs. 2023 Mar 6. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 32491805.
22. Hanson JA, **Huecker MR.** Sleep Deprivation. 2023 Jun 12. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 31613456.
23. **Huecker MR,** Smiley A, Saadabadi A. Bupropion. 2023 Apr 9. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29262173.
24. Chauhan K, Shahrokhi M, **Huecker MR.** Vitamin D. 2023 Apr 9. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28722941.
25. Chand SP, Kuckel DP, **Huecker MR.** Cognitive Behavior Therapy. 2023 May 23. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29261869.
26. **Huecker MR,** King KC, Jordan GA, Smock W. Domestic Violence. 2023 Apr 9. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29763066.
27. Popovic A, **Huecker MR.** Study Bias. 2023 Jun 20. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 34662027.
28. Joyce T, Gossman W, **Huecker MR.** Pediatric Abusive Head Trauma. 2023 May 22. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29763011.
29. Siddiqui W, Gupta V, **Huecker MR.** Agitation. 2023 Jul 17. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29630205.
30. **Huecker MR,** Bhutta BS, Dominique E. Adrenal Insufficiency. 2023 Aug 17. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28722862.
31. Zemaitis MR, Foris LA, Lopez RA, **Huecker MR.** Electrical Injuries. 2023 Jul 17. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28846317.
32. Shah M, **Huecker MR.** Opioid Withdrawal. 2023 Jul 21. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 30252268.
33. Kopitnik NL, **Huecker MR.** Opioid Prescribing. 2023 Jul 21. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 31869184.

34. Currie M, Zhu B, Vashisht R, Elkin D, **Huecker MR**. Ultrasound Intravascular Access. 2023 Apr 9. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28846326.
35. Ems T, St Lucia K, **Huecker MR**. Biochemistry, Iron Absorption. 2023 Apr 17. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28846259.
36. **Huecker MR**, Koutsothanasis GA, Abbasy MSU, Marraffa J. Heroin (Archived). 2024 Jun 10. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28722906.
37. Azadfard M, **Huecker MR**, Leaming JM. Opioid Addiction (Archived). 2023 Jul 21. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28846246.
38. **Huecker MR**, Chapman J. Seat Belt Injury. 2023 Aug 28. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29262033.
39. **Huecker MR**, Bhutta BS, Dominique E, Bossuah KA. Adrenal Insufficiency (Nursing). 2023 Aug 17. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 33760466.
40. **Huecker MR**, Malik A, King KC, Smock W. Kentucky Domestic Violence. 2023 Apr 9. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29763099.
41. Basit H, Malik A, **Huecker MR**. Non-ST-Segment Elevation Myocardial Infarction. 2023 Jul 10. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 30020600.
42. EL-Mohandes N, Yee G, Bhutta BS, **Huecker MR**. Pediatric Diabetic Ketoacidosis. 2023 Aug 21. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29262031.
43. Fuehrer J, **McGowan J**, **Huecker MR**. High Altitude Cardiopulmonary Diseases. 2023 Apr 9. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28723040.
44. Basit H, Damhoff TC, **Huecker MR**. Sleeplessness and Circadian Disorder. 2023 Jun 13. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 30480971.
45. Basit H, **Huecker MR**. Myocardial Infarction Serum Markers. 2023 Aug 14. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 30422561.
46. Garmon EH, **Huecker MR**. Topical, Local, and Regional Anesthesia and Anesthetics. 2023 Aug 28. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 28613644.
47. **Kuhl EA**, **Huecker MR**. EMS Canine Tactical Medicine Trauma Survey and Treatment. 2023 Oct 28. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 37983341.
48. Loyd JW, Larsen T, **Kuhl EA**, Swanson D. Aeromedical Transport. 2024 May 1. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 30085528.
49. Schwerin DL, **Kuhl EA**, Goldstein S. EMS Prehospital CPAP Devices. 2024 Jun 22. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. PMID: 29262140.

50. **Kuhl EA**, Perera TB. EMS Portable Ventilator Management. 2024 Mar 8. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 30725757.
51. Talbott MM, Campos A, **Kuhl EA**, Martel TJ. EMS Pneumothorax Identification Without Ancillary Testing. 2024 Jan 30. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 30422463.
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53. Kuzel AR, **Kuhl EA**. EMS Medical Director Legal Issues and Liability. 2023 Nov 2. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 37983327.
54. Sanvictores T, Casale J, **Huecker MR**. Physiology, Fasting. 2023 Jul 24. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 30521298.
55. **Huecker MR**, **Shreffler J**, McKeny PT, Davis D. Imposter Phenomenon. Treasure Island (FL): StatPearls Publishing Copyright © 2021, StatPearls Publishing LLC.; 2023.
56. **Shreffler J**, **Huecker MR**. Survival Analysis. 2023 May 22. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan. PMID: 32809439.
57. **Shreffler J**, **Huecker MR**. Type I and Type II Errors and Statistical Power. 2023 Mar 13. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 32491462.
58. **Shreffler J**, **Huecker MR**. Hypothesis Testing, P Values, Confidence Intervals, and Significance. 2023 Mar 13. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 32491353.
59. **Shreffler J**, **Huecker MR**. Exploratory Data Analysis: Frequencies, Descriptive Statistics, Histograms, and Boxplots. 2023 Nov 3. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 32491502.
60. **Shreffler J**, **Huecker MR**. Diagnostic Testing Accuracy: Sensitivity, Specificity, Predictive Values and Likelihood Ratios. 2023 Mar 6. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 32491423.
61. **Ross A**, **Shoff HW**. Toxic Shock Syndrome. 2023 Aug 7. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 29083727.
62. **Ross A**, **Shoff HW**. Staphylococcal Scalded Skin Syndrome. 2023 Jul 25. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 28846262.
63. **Price TG**, O'Neill RM. EMS Crime Scene Responsibility. 2022 Sep 26. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 29763175.
64. Thurman J, **Price TG**. EMS Tactical Medical Threat Assessment and Protection. 2022 Sep 26. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan–. PMID: 31536306.

## **CURRENT PROJECTS**

1. BARDA: Huecker, Studebaker
2. NIH COPD: Huecker, Daniel
3. Therapy Study: Huecker, Ganshirt
4. Homeless Healthcare: Shreffler, Huecker, Bishop, Stucker
5. Auscultatory Mapping ED: Huecker, Edwards
6. Auscultatory Mapping OBGYN: Huecker, Hill-Norby
7. Auscultatory Mapping Low EF: Huecker, Frick, Schutzman, French
8. Simulation Survey: Shaw, Martinez
9. PTG: Huecker, Shreffler, Nash, Alia, Boland
10. NuLease Focus Groups: Shreffler, Ferko
11. MTP Calcium: Platt, Shreffler, McMurray
12. Life Spring Follow up Clinic: Yazel, Huecker
13. Hypothermia Database: Huecker, Wells
14. Ketamine Music Sedation: Huecker, Shaw, Pharmacy
15. Humanities: Huecker, Huttner, Harris, Library
16. Headache Case Report: Huecker, Slaven
17. Malignant Hyperthermia Case Report: Orthober, Huecker, Sowers, McMurray
18. Circadian Medicine: Huecker, Nelson
19. Case report: Nelson
20. Stanley cup: Eisenstat, Aiello
21. Cadavers: Shaw, Beard
22. CSTAT Study: Price, Daniel
23. UofL EM Review: Platt, Gellert
24. Curtain Sign: Nix, Schutzman, Perling
25. Case report: Kushner
26. Climbing Study: Huecker, Baker, Cunningham (Gratis) Loche
27. Case report: Whitford (Gratis), Kelesis