

DRUE M. ORWIG, DO, MBA, CWSP



Board certified in Emergency Medicine and Undersea and Hyperbaric Medicine. Extensive experience leading a large inpatient and outpatient Wound and Multiplace Hyperbaric program with both routine and critical care/emergent services including direct oversight of programmatic success, quality, and research. Direct oversight of two accreditation surveys leading to Accreditation with Distinction recognition, one of 51 centers internationally. Also leads several smaller affiliated ambulatory and hospital-based wound programs. Helped to develop and leads large Limb Salvage program. Several publications on wound and hyperbaric medicine topics as well as several national speaking engagements. Sits on multiple local and national committees including Medical Staff Professional Standards Committee, Education and Quality Utilization Committees for Undersea and Hyperbaric Medical Society (UHMS), Board Member-at-Large for UHMS, Chair Elect for Undersea and Hyperbaric Section of the American College of Emergency Medicine (ACEP). Past councilor for the Undersea and Hyperbaric Section of ACEP. Past Medical Staff Secretary for large hospital system.

CURRICULUM VITAE

MEDICAL EXPERIENCE

2017–
Present **Section Chief, Wound and Hyperbaric Department, Corewell Health West (formally Spectrum Health) Hospital**

- Clinical role in outpatient primary wound and hyperbaric clinic, regional wound clinic, inpatient consult service, telemedicine appointment.
- Supervision of both routine and emergent hyperbaric medicine (3 monoplace chambers, 12-person multiplace chamber)
- Hospitals: Butterworth, United, Pennock

2020–2021 **Attending Emergency Physician, Emergency Care Specialist**

- Work clinical shifts in large academic hospital system. Active teaching role with resident physicians.
- Hospitals: Butterworth, Blodgett, Gerber, Big Rapids, United

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2020–2021 **Attending Emergency Physician, Sparrow Hospital System**

- Work clinical shifts at small regional Emergency Department
- Hospitals: Sparrow

2012–2017 **Attending Emergency Physician, Coast-to-Coast Healthcare**

- ASPIRUS KEWEENAW HOSPITAL – CALUMET TOWNSHIP, MI, USA
- ASPIRUS IRON RIVER HOSPITAL – IRON RIVER, MI, USA
- ASPIRUS ONTONAGON HOSPITAL AND CLINIC – ONTONAGON, MI, USA
- STURGIS HOSPITAL – STURGIS, MI, USA
 - Locum Tenens Emergency Medicine shifts

2011–2012 **Attending Flight Physician, Spectrum Health Aeromed Medical Transport**

- Flight physician for helicopter transport system

EDUCATION & TRAINING

2021-2023 **Master of Business-Healthcare Focus**

West Texas A and M University- Canyon, TX

2016-2017 **Fellowship – Undersea and Hyperbaric Medicine**

Hennepin County Medical Center – Minneapolis, MN

2009-2012 **Residency – Emergency Medicine**

Grand Rapids Medical Education Partners – Grand Rapids, MI

2008-2009 **Internship – Internal Medicine**

University of Connecticut – Farmington, CT

2004-2008 **Doctor of Osteopathic Medicine**

Michigan State University, College of Osteopathic Medicine – East Lansing, MI

2000-2004 **Bachelor of Science, Major in Biology**

University of Arkansas – Fayetteville, AR

BOARD CERTIFICATION – AMERICAN BOARD OF EMERGENCY MEDICINE

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| 2012 | Emergency Medicine # 5101018431 Initial certification 2013. Expires Dec 31 2028 |
| 2017 | Undersea and Hyperbaric Medicine Initial certification 2017. Expires Dec 31 2027 |

TEACHING EXPERIENCE

COREWELL HEALTH HOSPITAL (MICHIGAN STATE UNIVERSITY) – GRAND RAPIDS, MI, USA

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| 2009– Present | Clinical Instructor, Emergency Medicine Department <ul style="list-style-type: none">□ Clinical faculty for residency teaching hospital |
| 2017- present | Clinical Instructor, Wound and Hyperbaric Department <ul style="list-style-type: none">□ Oversee Wound and Hyperbaric Rotation for Vascular surgery, PM&R, Infectious Disease, and Emergency Medicine Residents and Fellows□ Oversee Wound and Hyperbaric Rotation for Medical Students |

MEMBERSHIP AND SERVICE IN PROFESSIONAL ACTIVITES

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| 2025- present | Corewell Medical Professional Standards Committee Member Board Member-at-Large Undersea and Hyperbaric Medicine Society |
| 2024- present | Select Specialty Hospital Grand Rapids, MI Medical Executive Committee |
| 2023- presnt | Corewell Medical Staff Finance Committee Member Corewell Medical Executive Committee Corewell Credentialing Committee |
| 2023- present | Education Committee Member; Undersea and Hyperbaric Medicine Society Quality, Utilization, Review Committee Member; Undersea and Hyperbaric Medicine Society |

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| 2022 | Spectrum Health Fredrick Meijer Heart Institute - Faculty Leadership Panelist Interviewer Vice President, Department Chief |
| 2021-2023 | Alternate Councilor – Undersea and Hyperbaric Section. American College of Emergency Physicians |
| 2021-present | Founder - Women Physician and APP Leadership Group. Corewell Health West. Grand Rapids MI |
| 2017-present | American College of Emergency Physicians/Undersea and Hyperbaric Medicine Section-member |
| 2016-present | Undersea and Hyperbaric Medicine Society-member |
| 2009-present | Michigan College of Emergency Physicians-member American College of Emergency Physicians-member |

AWARDS AND HONORS

Michigan State University

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| 2004–2008 | Sigma Sigma Phi Honors Fraternity Kate Garrod Post-Education Scholarship Recipient |
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University of Arkansas

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| 2000–2004 | Swim and Dive Team ▪ Phi Beta Kappa ▪ SEC Academic Honor Roll Academic All-American Honorable Mention ▪ Scholar Athlete Award National Women’s Athletic Department ▪ Academic Department Champion SEC Conference Finalist, <i>Full Bright</i> ▪ College of Arts and Sciences Dean’s List |
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LEADERSHIP EXPERIENCE

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| 2025-present | Chair Elect – Undersea and Hyperbaric Section. American College of Emergency Physicians |
| 2023-2025 | Councilor – Undersea and Hyperbaric Section. American College of Emergency Physicians |

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COREWELL HEALTHSYSTEM (FORMALLY SPECTRUM HEALTH)– GRAND RAPIDS, MI, USA

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| 2024-2026 | Medical Staff Secretary , Corewell Health Hospital, West. |
| 2017– Present | Section Chief , Wound and Limb Care Preservation Clinic-Corewell Health Medical Group Medical Director , Hyperbaric Medicine-Corewell Health Hospital Group |

INDIVIDUALS MENTORED

Elizabeth Harris, PA WISH Mentee

SPEAKING ENGAGEMENTS

1. **Commercial Dive Physicals.** Advocate Aurora Grand Rounds. October 2025.
2. **Hyperbaric for Inflammatory Bowel Disease.** Corewell West Gastroenterology. Nov 2024.
3. **Carbon Monoxide Review.** Wood TV Interview. October 2024.
4. **Advancing Biofilm-Based DNA Microbial Identification and Treatment in Chronic Wounds.** Undersea and Hyperbaric Medicine Annual Scientific Meeting - Wound Pre-Course. June 2024.
5. **Hyperbaric Medicine for the Neurologist.** Neurology Grand Rounds. Corewell Health West Hospital Systems. March 13, 2024.
6. **Multidisciplinary Approach to Amputation Prevention.** Fredrick Meijer Health and Vascular Institute Town Hall. March 8 2023.
7. **Hyperbaric For the ED Physician.** EM Residency Monthly Education. November 30, 2022
8. **Wound Care for the Primary Care Provider.** Fredrick Meijer Heart Art of Cardiovascular Medicine. September 14 2022
9. **Hyperbaric for the Infectious Disease Physician.** ID monthly meeting. December 2021
10. **Wound Closure in the ED: Overview and Updates.** EM Resident Conference. January 28 2021

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February 4, 2026

11. **Overview and Updates for Wound Care for Podiatry.** SHMG Podiatry Group. May 2020
12. **Overview of Wound and Hyperbaric Medicine.** Fredrick Meijer Heart and Vascular Institute Lecture Series. February 19 2018
13. **Carbon Monoxide Overview.** Recorded Lecture for EMS personnel – AMR. November 2017
14. **Hyperbaric for the Neurologist.** Neurology Grand Rounds. November 2017.
15. **Carbon Monoxide Poisoning: Pearls, Pitfalls, and Updates.** HCMC Conference. October 2016.

PRIMARY AND SUB-INVESTIGATOR POSITIONS

1. **Oxygenating living biomimetic bandage for the treatment of refractory chronic wounds.** Corewell Health-Michigan State Alliance Grant Recipients. Orwig, D. (P.I.) Ashammakhi, N. (P.I.)
2. **Orwig DM, Wang J, Li Z, McGlynn JJ, HajAissa N, Davis A, Hovingh M, Packard L, Kooistra JS, Min J.** The effects of hyperbaric oxygen treatment for non-arteritic central retinal artery occlusion (HBOT-CRAO). *Am J Emerg Med.* 2025 Aug 5;98:1-5. doi: 10.1016/j.ajem.2025.07.065. Epub ahead of print. PMID: 40784185.

BOOK CHAPTERS

Orwig, D., et al. Chapter 42 – Delivery and Physiology of Hyperbaric Oxygen Therapy. Essentials of Lower Limb Preservation. Cambridge scholars. To be published 2026.

REVIEW ARTICLES

1. **Orwig, D. M.** (2017). A case of carbon monoxide poisoning leading to NSTEMI. *ACEP Undersea and Hyperbaric Medicine Section Newsletter, June 2017*
2. **Orwig, D. M.** and Decou, J. (2012). Is physical exam and laboratory data sufficient to exclude intra-abdominal injury in the pediatric trauma patient? *Emergency Medicine Journal, 29, 258–260.*
3. **Orwig, D. M.,** Logue, C., Hendriksen, S., Westgard, B., Walter, J., Pullis, M., and Masters, T. (2018). An approach to treating a patient with a HeartMate II™ left ventricular assist

device in a multiplace hyperbaric chamber: A case report. *Undersea and hyperbaric medicine: Journal of the Undersea and Hyperbaric Medical Society, Inc*, 45(1), 89–93.

4. Cozzi, N. Kendall Stevens, BS; Yeoshina Pillay, MD; David Moore MD; Matthew Flannigan, DO; Mariah Barnes, MD; Matthew Singh, MD; Melisa Gagrca, MD; Christian Kolacki, MD; Jennifer Bach, DO; Dale McNinch, MD; **Drue Orwig, DO**; Jeffrey Jones, MD. *Diagnosis of Central Retinal Artery Occlusion in the Emergency Department Using POCUS: A Case Series*. NOV 2021 vol. 06 iss. 02 | POCUS J | 73
5. Gay, Mason; **Orwig, Drue**. *Cerebral Air Embolism Treated with Hyperbaric Oxygen Therapy*. ACEP Undersea and Hyperbaric Section. 15 July 2024. [Cerebral Air Embolism Treated With Hyperbaric Oxygen Therapy | Undersea Hyperbaric Medicine Section \(acep.org\)](https://www.acep.org/undersea-and-hyperbaric-section/cerebral-air-embolism-treated-with-hyperbaric-oxygen-therapy/)
6. **Orwig, D. M.**; Johnson, L; Tipton, C. DNA Diagnosis of microorganisms and topical antibiotic treatment-A successful approach to a difficult problem. SAWC Poster Presentation. October 2024.
7. **Orwig DM**, Wang J, Li Z, McGlynn JJ, HajAissa N, Davis A, Hovingh M, Packard L, Kooistra JS, Min J. The effects of hyperbaric oxygen treatment for non-arteritic central retinal artery occlusion (HBOT-CRAO). *Am J Emerg Med*. 2025 Dec;98:1-5. doi: 10.1016/j.ajem.2025.07.065. Epub 2025 Aug 5. PMID: 40784185.

PRESENTATIONS RELATED TO RESEARCH

1. **Orwig, D. M.**, Freeman, M., and Judge, B.S. (2010a). *Hold the anchovies? A case report of clupeotoxism in West Michigan*. Grand Rapids Medical Education and Research Center, Annual Research Day, Grand Rapids, MI.
2. **Orwig, D. M.**, Freeman, M., Judge, B.S. (2010b). *Hold the anchovies? A case report of clupeotoxism in West Michigan*. North American Congress of Clinical Toxicology, Denver, CO.
3. **Orwig, D. M.**, Huesgen, K., Stoker, A., Hamm, J., Daughtery, M., Martin, J., and Seamon, J. (2012a). *Physician satisfaction with electronic medical record documentation compared with dictation at a Tertiary Emergency Department*. Grand Rapids Medical Education and Research Center, Annual Research Day, Grand Rapids, MI.

4. **Orwig, D. M.**, Huesgen, K., Stoker, A., Hamm, J., Daughtery, M., Martin, J., and Seamon, J. (2012b). *Physician satisfaction with electronic medical record documentation compared with dictation at a Tertiary Emergency Department*. Midwest Society for Academic Emergency Medicine (SAEM) Conference, Columbus, OH.

ONLINE REFERENCES

1. **Orwig, D. M.** (2011). Risk of vascular events in Emergency Department patients discharged home with diagnosis of dizziness or vertigo. *Critical Appraisal. BestBETs*. Retrieved from <http://www.bestbets.org/appraisals/appraisal.php?id=1335>.
2. **Orwig, D. M.** and DeCou, J. (2011). Is physical exam and laboratory data sufficient to exclude intrabdominal injury (IAI) in the pediatric trauma patient? *BestBETs*. Retrieved from <http://www.bestbets.org/bets/bet.php?id=2252>.

PATENTS

Collection device for use in irrigation and drainage procedures – US Patent No. 10912879-B2
Inventor: Drue Orwig, DO, MBA
Issued: April 19 2018 United States Patent and Trademark Office
A disposable collection device with suction for irrigation.