

Nicholas M. McManus

EDUCATION AND TRAINING

Emergency Medicine Residency

- *West Michigan Emergency Medicine Residency*

*August, 2018
Muskegon, Michigan*

Doctor of Osteopathic Medicine

- *Michigan State University - College of Osteopathic Medicine*

*May, 2014
East Lansing, Michigan*

Bachelor of Science in Biology

- *Oakland University*

*April, 2009
Rochester, Michigan*

Emergency Medical Technician/Combat Medic

- *Fort Sam Houston/Brooke Army Medical Center*

*July, 2003
San Antonio, Texas*

CURRENT PROFESSIONAL LICENSURE

- American Board of Emergency Medicine, Board Certified
- Michigan Medical License
- Drug Enforcement Administration License
- Drug Enforcement Administration X-waiver License

*2019-present
2015-present
2015-present
2021-present*

CURRENT PROFESSIONAL CERTIFICATIONS

- Counter Narcotics & Terrorism Operational Medical Support (CONTOMS) Medical Directors Course
- RCA2: Improving Root Cause Analysis and Actions to Prevent Harm
- Just Culture for Managers
- Advanced Cardiac Life Support Instructor
- Pediatric Advanced Life Support Instructor
- Advanced Trauma Life Support
- Advanced Disaster Life Support
- Basic Disaster Life Support

*2021
2021
2021
2017
2017
2015
2015
2015*

PROFESSIONAL EXPERIENCES

Medical Director

- *Platinum Educational Group*

*2022-present
Grandville, Michigan*

Medical Director

- *Muskegon County Medical Control Authority*

*2022-present
Muskegon, Michigan*

Assistant Medical Director

- *Muskegon County Medical Control Authority*

*2021-present
Muskegon, Michigan*

Journal of Emergency Medicine Reviewer

- *Actively review submitted articles to the Journal of Emergency Medicine (JEM)*

2020-present

Free Online Access to Medicine (FOAM) Medical Blogger – www.BananaBagEM.com

- *Founder of a medical blog containing medical reviews for Physicians, PA's, NP's, Nurses and EMS providers*

2018-present

Lake Michigan Emergency Specialists – Physician Partner

- *Mercy Health Partners*

*2017-present
Muskegon, Michigan*

Mercy Health Regional Simulation Lab – Clinical Instructor

- *Mercy Health Partners – MSU-COM base hospital*

*2017-present
Muskegon, Michigan*

Combat Medic

- *US Army: Multi-National Force - Iraq*
- *Conducted over 150 combat patrols covering 15,000 miles in Iraq while serving as the Medic to the Commanding General of the Iraq War, General David H. Petraeus and his Senior Enlisted Leader, CSM Jeffery Mellinger.*

2002–2010
Baghdad, Iraq

FACULTY APPOINTMENTS**West Michigan Emergency Medicine Residency – EMS Track Director**

- Mercy Health Partners

2021-present
Muskegon, Michigan

West Michigan Emergency Medicine Residency - Core Faculty

- Mercy Health Partners

2016-present
Muskegon, Michigan

Michigan State University College of Osteopathic Medicine - Associate Professor

- Mercy Health Partners – MSU-COM base hospital

2016-present
Muskegon, Michigan

PROFESSIONAL COMMITTEE APPOINTMENTS

- EMS Advisory Board – West Michigan Regional Medical Consortium
- Firearms Injury Prevention Committee
- Mercy Health Growth and Partnership Strategy Committee

2021-present
2021-present
2021-present

PREVIOUS LEADERSHIP APPOINTMENTS**American Academy of Emergency Medicine Resident Representative**

- *Great Lakes Chapter*

2017

Chief Emergency Medicine Resident

- *Mercy Health Partners – Michigan State University College of Osteopathic Medicine*

2017
Muskegon, Michigan

Medical Evacuation Platoon Sergeant

- *U.S. Army/Michigan Army National Guard*

2008
Ypsilanti, Michigan

Platoon Leader – Advanced Individual Training

- *U.S. Army*

2002
San Antonio, Texas

Platoon Leader – Basic Combat Training

- *U.S. Army*

2002
Fort Knox, Kentucky

Senior Patrol Leader

- *Troop 1702 - Boy Scouts of America*

1999
Troy, Michigan

AWARDS AND RECOGNITIONS

- Detroit Lions Hometown Hero
- US Army MACOM Non-Commissioned Officer of the Year
- Bronze Star Medal – US Army
- Combat Action Badge – US Army
- Army Achievement Medal; 3 Awards – US Army
- US Army MACOM Soldier of the Year
- Eagle Scout

2008
2008
2007
2007
2004, 2005, 2007
2005
2001

SCHOLARLY ACHIEVEMENTS

Invited Professional Lectures

Michigan Medical Control Authority Symposium • <i>Just Culture for the EMS provider</i>	2022 Muskegon, Michigan
Michigan College of Emergency Physicians Scientific Assembly • <i>ATLS 10 – A clinical update</i>	2019 Mackinac Island, Michigan
Mercy Health Hospital Grand Rounds • <i>Lab Values for Hospital Staff</i>	2017 Muskegon, Michigan
Mercy Health Hospital Grand Rounds • <i>Stroke – A clinical Update</i>	2016 Muskegon, Michigan
West Michigan Osteopathic Association • <i>Pediatric Fever MythBusters</i>	2016 Muskegon, Michigan
Critical Care Symposium • <i>Lab Values for the Critical Care Paramedic</i>	2016 Traverse City, Michigan
Community Paramedic Program – Course Instructor • <i>Professional Med Team, Inc.</i>	2016 Muskegon, Michigan
Tactical Combat Casualty Care – Course Instructor • <i>US Army Medical Command and School</i>	2006 Fort McCoy, Wisconsin

Formal Course/Educational Content Development

West Michigan Regional Medical Control Consortium Online Education Portal • <i>Designed an online education platform for EMS continuing education approved the Michigan Department of Health and Human Services Bureau of EMS, Trauma and Preparedness and designed over 20 hours of online continuing educational content.</i>	2022
West Michigan Emergency Medicine EMS Track • <i>Designed and implemented a 3-year EMS track for residents through the West Michigan Emergency Medicine Residency program.</i>	2021
West Michigan Emergency Medicine Research Initiative • <i>Created a modular web-based educational series for resident physicians to improve basic understanding of scholarly activities. This series can be accessed at www.westmichiganem.com/educational-series.</i>	2021
West Michigan Emergency Medicine EMS Clinical Rotation • <i>Designed and created a modular web-based educational series for resident physicians learning the fundamental of EMS.</i>	2021
COVID-19 Surge Protocol • <i>Designed and implemented a surge tent protocol used by Mercy Health to accommodate the increased volume of patients during the COVID-19 pandemic.</i>	2020
COVID-19 Emergency Department Clinical Pathway • <i>Designed a clinical decision and treatment pathway for patients diagnosed with COVID-19.</i>	2020
High-Sensitivity Troponin Clinical Pathway • <i>Designed a clinical decision and interpretation algorithm for the use of High Sensitivity Troponin assays that is currently adopted and utilized across all Trinity Health hospitals in the United States.</i>	2019

Enhanced Paramedic Course

2018

- Created a 10-hour course for a new paramedicine licensure identifier currently used by the entire State of Michigan as approved by the Michigan Department of Health and Human Services Bureau of EMS, Trauma and Preparedness.

Peer Reviewed Publications

Piszker A, **McManus N.** COVID-19-induced Acute Psychosis Resulting in a Suicide Attempt: A Case Report. *Clin Pract Cases Emerg Med.* 2023 May;7(2):77-80. PMID: 37285491

Piszker A, **McManus N.**, Foreman M. Rare atypical presentation of a polymicrobial gastropericardial fistula. *BMJ Case Rep.* 2022 Sep 19;15(9): e250093. PMID: 36123006

Skok H., **McManus N.**, Bonnema D., DeTorres F. Acute Coronary Syndrome Treated with Antihistamines and Steroids: A Case Report of Kounis Syndrome. *Clin Pract Case in Emerg Med.* 2022 May 6. DOI: 10.5811/cpcem.2022.3.56042.

McManus N., Zehrung R., Armstrong T., et al. Anaphylaxis caused by swimming: A case of cold-induced urticaria in the Emergency Department. *West J Emerg.* 2021 Aug; 5(3): 307-311. PMID: 34437035

Salisbury J., Goodrich J., **McManus N.** The case of the lime-green stool: limitations of occult blood testing in the Emergency Department. *West J Emerg.* 2021 Aug; 5(3): 320-324. PMID: 34437038

McManus N., Margart K., Offman R. Hypoglycemia Worsened by Glucose Administration: A Case of Hypoglycemia Years After Gastric Surgery. *J Emerg Med.* 2021 Jan 19;S0736-4679(20)31343-3. PMID: 33483201

McManus N., Offman R., Oetman J. Emergency Department Management of COVID-19: An Evidence-Based Approach. *West J Emerg.* 2020 Sep 25;21(6):32-44. PMID: 33052814

McManus N., Offman, R., et al. An Eye with a Heartbeat: Carotid Cavernous Fistula – A Case Report. *J Emerg Med.* 2018 Sep;55(3):e75-e76. PMID: 29941376

Grant Submissions

McManus N. Muskegon County DOC-1 Pilot Program. Proposal to Muskegon County Emergency Management. 1 Dec. 2021. Typescript.

Non-Peer Reviewed Publications

Free Online Access to Medicine (FOAM) Medical Blogger – www.BananaBagEM.com

- Created over 50 in-depth and evidence-based reviews of various medical topics, article reviews and video mini-lectures.