

Melissa Myers
Military and Emergency Medicine



Employment

Military and Emergency Medicine

Uniformed Services University of the Health Sciences
12 May 2025 → present

Research outputs

Development of Computed Echo Tomography—An Imaging Breakthrough Addressing the Limitations of Conventional Ultrasound: A Baseline Imaging Analysis for Traumatic Injuries

Cheronis, J., Cronan, M., Nwaka, D., Bradley, M., Carlton, P. K., Kozar, R., McGahan, J., Myers, M., Powell, E. & Specht, D., Aug 2025, In: Journal of the American College of Emergency Physicians Open. 6, 4, 100181.

Ultrasound of the Aorta

Jeffers, K. L., Tekmal, S. & Myers, M., May 2025, In: Emergency Medicine Clinics of North America. 32, 2, p. 251-259 9 p.

The Benefits of Peer-led Experiential Learning in Military Medical Education: Reflections from Peer Educators

Henderson, J. D., Cole, R. D. . E., Hildreth, A. F., Myers, M., Henderson, J. J. & Shen, C., Jan 2025, In: Military Medicine. 190, 11-12, p. e2565-e2571

A Scalpel, Not a Sword: The Case for Narrow Medical Sanctions

Smith, H. J., Myers, M. A., Wagner, A. L. & Krick, J. A., 2025, In: American Journal of Bioethics. 25, 4, p. 22-24 3 p.

The Benefits of Peer-led Experiential Learning in Military Medical Education: Reflections From Peer Educators

Henderson, J. D., Cole, R., Hildreth, A. F., Myers, M., Henderson, J. J. & Shen, C., 2025, In: Military Medicine. p. usaf202

Ultrasound of the Aorta

Jeffers, K., Tekmal, S. & Myers, M., Nov 2024, In: Emergency Medicine Clinics of North America. 42, 4, p. 791-803 13 p.

Point of Care Ultrasounds Obtained by Novice Physician Assistant Residents (POCUS ON PAR)

Jeffers, K., Cohen, J., Chin, E., Thompson, N., Tekmal, S., Lombardo, R., Barlow, J., Billstrom, A., Aden, J. K. & Myers, M., Aug 2024, In: Military Medicine. 189, 9-10, p. e2242-e2247

Seeing Bradycardia: How Ultrasound Improves Medical Decision-Making

Myers, M., Aug 2024, In: The Medical Journal. 16, 8, p. e65951

Novel Cost-Effective Model for Training Post-intubation Endotracheal Tube Placement Confirmation

Jeffers, K., Murdock, B., Siemieniak, S. & Myers, M., Apr 2024, In: Cureus. 16, 4, p. e57830

A Novel Low-Cost Simulation Model for Point-of-Care Ultrasound Intussusception Practice

Williams, J., Doctor, J., Jeffers, K. L. & Myers, M., 2024, In: Cureus. 16, 5, p. e61016

An Inexpensive, Multimodal Simulation Model for Teaching Ultrasound Identification of Soft Tissue Pathology and Regional Anesthesia

DeHaan, S., Rapada, R., Newell, C. F., Rothmeyer, V. M. & Myers, M., Apr 2023, In: Cureus. 15, 4

Superficial Venous Thrombosis of the Brachial Vein With Extension Into the Subclavian and Internal Jugular Veins, Secondary to a Routine Blood Draw

Loesche, J., Brown, S. & Myers, M., Apr 2023, In: Cureus. 15, 4, p. e38260

An Ethical Analysis of the Arguments Both For and Against COVID-19 Vaccine Mandates for Healthcare Workers

Myers, MD, M., Dunikoski, L., Brantner, R., Fletcher, D., Saltzberg, E. E., Urdaneta, A. E., Wedro, B. & Giwa, A., Feb 2023, In: Journal of Emergency Medicine. 64, 2, p. 246-250 5 p.

Ethics Between Individual Rights and Social Responsibilities

Myers, M., 2023, In: The Medical Journal.

Treatment of Massive Hemoptysis with Repeated Doses of Nebulized Tranexamic Acid

Myers, M., Sep 2022, In: Cureus. 14, 9, p. e29625

Use of ultrasonography for identification of long bone fractures

Moran, M. & Myers, M., Jul 2022, In: Visual Journal of Emergency Medicine. 28, 101381.

A Case Report Utilizing Ultrasound for the Identification of Traumatic Pulmonary Contusion

Myers, M., 2021, In: Cureus. p. 98-99 2 p.

Comparing the Sensitivity of a Low Frequency Versus a High Frequency Probe in the Detection of Pneumothorax in a Swine Model

Myers, M., Billstrom, A., Cohen, J. & Curtis, R., 2021, In: The Medical Journal. PB 8-21-07/08/09, p. 13-19 7 p.

Ultrasound at the Role 1: An Analysis of After-Action Reviews from the Prehospital Trauma Registry

Myers, M. A., Chin, E. J., Billstrom, A. R., Cohen, J. L., Van Arnhem, K. A. & Schauer, S. G., 2021, In: The Medical Journal. PB 8-21-07/08/09, p. 20-24 5 p.

Biliary Ascaris lumbricoides with co-existent cholelithiasis

Myers, M. & Jeffers, K., Jul 2020, In: Visual Journal of Emergency Medicine. 20, 100773.

Novel Application of Point-of-Care Ocular Ultrasound in a Left Central Retinal Artery Occlusion

Bridwell, R. E., Wray, J., Oliver, J., Cibrario, A. & Myers, M., Apr 2020, In: Cureus. 12, 4, e7518.

An Unexpected Cause of Persistent Coughing

Myers, M., Cohen, J. & Myers, M., May 2018, In: Clinical Practice and Cases in Emergency Medicine. 2, 2, p. 173-174 2 p.

Perceived difficulty and success rate of landmark- vs ultrasonography-guided lumbar punctures in a novice study group: a randomized crossover trial

Vitto, M. J., Vitto, C. M., Myers, M., Joyce, J. M. & Tozer, J., Oct 2016, In: American Journal of Emergency Medicine. 34, 10, p. 2037-2038 2 p.

Perceived Difficulty and Success Rate of Standard Versus Ultrasound-Guided Peripheral Intravenous Cannulation in a Novice Study Group: A Randomized Crossover Trial

Myers, M., Vitto, M. J., Vitto, C. M. & Evans, D., May 2016, In: Journal of Ultrasound in Medicine. 35, 5, p. 895-8 4 p.

Extensive subarachnoid and epidural hematoma after lumbar puncture

Myers, M., Meyers, L. & Fink, W. A., Apr 2015, In: The Medical Journal. 33, 4

Activities

Withdrawal of Care in the Emergency Department

Melissa Myers (Speaker)

9 Apr 2025

Triage with Ultrasound in Austere Environments

Melissa Myers (Speaker)

6 Apr 2025

Emergency Ultrasound Fellowship Accreditation Council (External organization)

Melissa Myers (Chair)

2024 → ...

Ethics Committee, American Academy of Emergency Medicine (External organization)

Melissa Myers (Chair)

2024 → ...

Emergency Medicine Clinical Community, DHA (External organization)

Melissa Myers (Chair)

2023 → ...

Emergency Ultrasound Council, American Academy of Emergency Medicine (External organization)

Melissa Myers (Member)

2017 → ...

Courses

Pre-Clerkship Ultrasound Curriculum

Melissa Myers

1/11/24 → ...