

Curriculum Vitae
John David Gatz, M.D.
Assistant Professor, Department of Emergency Medicine
University of Maryland School of Medicine

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Contact Information

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Education

2006-2010 B.A., Biochemistry, Pre-Medicine, Zoology, Ohio Wesleyan University
(*summa cum laude*)
2011-2015 M.D., Johns Hopkins University School of Medicine (JHUSOM)
2020-2024 Certificate in Clinical Research, University of Maryland Graduate School

Post Graduate Education and Training

2015-2018 Residency, Emergency Medicine, University of Maryland Medical Center (UMMC)
2018-2019 Chief Resident, Emergency Medicine, UMMC
2018-2019 Administrative Fellowship, Emergency Medicine, UMMC
2023-2024 Research Training, Clinical/Translational and Public Health Research Training Track, Center for Advanced Research Training & Innovation, UMSOM

Certifications

2019 Diplomate, American Board of Emergency Medicine

Medical Licensure

2018 Maryland (active)

Employment History

Academic Appointments

2018-2019 Clinical Instructor, Department of Emergency Medicine, UMSOM
2019-2020 Instructor, Department of Emergency Medicine, UMSOM
2020-Present Assistant Professor, Department of Emergency Medicine, UMSOM
2023-2024 Associate Member, Graduate Faculty, University of Maryland Graduate School, Baltimore

Other Employment

2010-2011 Intern, Delaware Public Health District, Delaware, OH
2010-2011 Assistant Swim Coach, Ohio Wesleyan University
2018-2019 House Staff Officer for Patient Safety and Quality, UMMC
2020-Present Maryland Access Center Physician, University of Maryland Medical System (UMMS)
2021-2025 Nocturnal Critical Care Support Physician, UMMC Midtown Campus (UMMC-MTC)
2024-Present Quality and Safety Director, Department of Emergency Medicine, UMMC

Honors and Awards

2008 Academic All-America®, selected Second Team All-America At-Large
2009, 2010 Academic All-America®, selected First Team All-America At-Large
2011 Walter Byers Award, National Collegiate Athletic Association, \$44,000 award to the Male Postgraduate Scholar-Athlete of the Year
2016 Best Resident Presenter, Clinical Pathologic Cases (CPC) Competition, Emergency Medicine Residency Program, UMMC
2017 Best Resident Presenter, Runner-Up, CPC Semi-Final Competition Division 4, Council of Emergency Medicine Residency Directors (CORD) Academic Assembly
2017 Resident of the Year, Emergency Medicine, Mercy Medical Center
2018 Best Resident Speaker, Rocky Mountain Winter Conference on Emergency Medicine
2018 Senior Resident Lecture of the Year Award, Emergency Medicine Residency Program, UMMC
2018 Exemplary Clinical Resident of the Year Award, Emergency Medicine Residency Program, UMMC
2019 Best Faculty Discussant, CPC Competition, Emergency Medicine, Emergency Medicine Residency Program, UMMC
2019 Best Faculty Discussant, CPC Semi-Final Competition Division 6, CORD Academic Assembly
2019 Outstanding Resident/Fellow Colleague, University of Maryland School of Nursing, awarded annually to one resident or fellow at UMMC

2019	First Place – Best Scientific Writing or Technical Reporting, 40 th Annual Specialized Information Publishers Association Awards
2020	Ohio Wesleyan University Young Alumni Award, given to recent alumni in recognition of commitment to extraordinary professional work, research, volunteerism, or service
2020	Outstanding Teaching Award, Emergency Medicine Residency Program, awarded to two UMEM faculty annually by the residents in recognition of exceptional teaching
2023	Top 100 Abstract, Society for Academic Emergency Medicine Annual Meeting, for “Esmarch Bandage Fails to Increase Vein Diameter for Ultrasound Peripheral Intravenous Cannulation” and for “Overcoming Stagnant Flow: A Scoping Review of Vertical Movement in the Emergency Department”
2023	Peter Rosen Fellows Society, given to National Foundation of Emergency Medicine scholars who complete the Scholar/Mentor program
2024	Outstanding Service Award for Teaching, Emergency Medicine, UMSOM
2024	<i>Baltimore Magazine</i> ’s “Baltimore’s Top Doctors” for Emergency Medicine
2025	Top 10 Reviewer of the Year, <i>Western Journal of Emergency Medicine</i>
2025	<i>Baltimore Magazine</i> ’s “Baltimore’s Top Doctors” for Emergency Medicine

Clinical Activities

Clinical Expertise

Board certified emergency medicine physician

Clinical focus in the rapid disposition of mid-acuity patients, resuscitation, and flow of patients across the health system

Scope of Clinical Practice

2018-Present	Attending Physician, Adult Emergency Department, UMMC ~45,000 per year patient volume Assistant Medical Director (July 2019-June 2022) Associate Medical Director (July 2022-Present) Quality and Safety Director from (July 2024-Present) 63% clinical (100 hrs/month); 21% administrative; 16% research
2018-2019	Attending Physician, Emergency Department, MMC ~67,000 per year patient volume 50% clinical (60 hrs/month); 25% administrative; 25% research
2021-2024	Nocturnal Critical Care Physician, UMMC Midtown Campus (MTC) 100% clinical (24 hrs/month)
2021-Present	Access Center Physician, UMMS Access Center 100% clinical (24 hrs/month)

Development of Clinical Programs

2019-present	Lead ED Representative, primary partner to UMMC Code Stroke Program that has improved timely treatment of acute ischemic stroke and achieved national recognition for both its volume and quality.
2019-2025	Developer, creation and implementation of ED Swing Team, a provider team that improved clinical collaboration between physicians and nurse practitioners and provided more flexible coverage in the ED.
2020-2022	Developer, creation and implementation of ED COVID-19 Response, including protocols to maximize staff safety while providing patients with the most up-to-date evidence-based medical care.
2022-2024	Developer/Lead, creation and implementation of the ED "Vertical 3" Program, which greatly improved the identification, timely treatment, and disposition of mid-acuity patients.
2024-2025	Developer, creation and implementation of the ED Rapid Assessment Program, which greatly reduced "left before treatment complete" rates by rapidly treating mid- and low-acuity patients.
2024-present	Developer/Lead, creation and implementation of the ED Immediate Intake Initiative, a monumental overhaul of ED operations that allows for immediate initiation of workups and has greatly reduced "left without being seen" rates and patients' total length-of-stay.
2025-Present	Developer/Lead, creation and implementation of a UMMC ED ED Observation Program to provide an alternative to admission for key populations including chest pain, heart failure, COPD, and asthma.
2025-present	Lead ED Representative/Developer, assisted creation and implementation of UMMC's new Code ICH Program to provide timely and quality care to patients with acute hemorrhagic stroke.

Professional Society Memberships

2015-Present	Member, American College of Emergency Physicians (ACEP)
2015-Present	Member, American Academy of Emergency Medicine (AAEM)
2015-Present	Member, Society of Academic Emergency Medicine (SAEM)
2015-2019	Member, Emergency Medicine Residents' Association
2021-Present	Member, Maryland Chapter, ACEP

Administrative Service

Institutional Service

Department of Emergency Medicine

2017-2021	Member, Resident Wellness Committee
2017-Present	Member, Peer Review Committee
2018-Present	Member, Program Evaluation Committee
2018-Present	Member, Clinical Competency Committee

2019-Present	Member, Clinical Practice Committee
2019-Present	Member, Operations Committee
2019-Present	Member, Billing Committee
2019-Present	Member, Sepsis Committee
2019-Present	Member, Resuscitation Committee
2021-Present	Member, Diversity, Equity, and Inclusion Committee
2022-Present	Member, Staffing/Recruitment Committee
2022-Present	Member, Health Equity Committee
2023-Present	Member, Flow Innovation Committee
2024-Present	Member, Clerkship Grade Appeal Committee
<u>UMMC</u>	
2016-2018	Resident Representative, Medication Errors and Adverse Drug Event Committee
2016-2019	Member, Quality Improvement (QI) and Patient Safety Committee
2018-2024	Member and Primary ED Representative, Performance Improvement Steering Committee
2018-2020	Member, Event Reporting Collaborative
2018-2019	Member, Accreditation Council for Graduate Medical Education Committee
2018-2019	Co-Chair, QI & Patient Safety Committee
2019-2020	Member, Resuscitation Committee
2019-2020	Member, Critical Care Operations Committee
2019-Present	Member, ED-Cardiology ST-elevation Myocardial Infarction Committee
2019-Present	Member and Primary ED Representative, "Code Stroke" Committee
2019- Present	Member and Primary ED Representative, Comprehensive Stroke Center Quarterly Operations Meeting
2019-Present	Member, Extracorporeal Membrane Oxygenation Committee
2019-Present	Member, Pulmonary Embolism Response Team Committee
2021-Present	Member and Primary ED Representative, Bariatric Surgery Survey Committee
2021-2024	Member and Primary ED Representative, ED-EP Atrial Fibrillation Management Committee
2023-Present	Member, The University of Maryland Reproductive Equity and Antiracism Coalition
2023-Present	Member, Workplace Violence Reduction-Clinical Team
2023-Present	Member, Sepsis Steering Committee
2024-Present	Appointed Member-at-Large, Medical Executive Committee
2024-2025	Member, Vasopressor Workgroup
2024	Emergency Services Winter Shelter Workgroup
2024-2025	Appointed Member, UMMC Joint Sepsis 'Teams taking Action for Quality and Safety' (TASQ) Committee
2024-Present	Member, Readmission Reduction Committee
2024-2025	Member, Acute Care Psychiatry Policy Workgroup
2025-Present	Appointed Member, Policy Development & Governance Committee
2025-Present	Member, Elopement Prevention and Response Initiative Workgroup

2025-Present	Appointed Member, Emergency Medicine Service Line StratOps Sync
2025-Present	Appointed Member, UMMC Improvement and Action (IMPACT) Sepsis Committee

UMSOM

2020-2022	Alternate Member, School Council
2022-2024	Member, School Council
2023	Alternate Representative, "Clinical Care Mission," Strategic Planning Sessions
2024	Member, Center for Advanced Research Training and Innovation Clinical/Translational Application Review Committee
2026	Dean's Leadership Council

UMMS

2019-Present	Member, Emergency Medicine Leadership and Operations Council
2019-Present	Member, Emergency Department User Design Center (ASAP UDC)
2021-2024	Member, Unified Definition of Sepsis Workgroup
2022-2023	Member, ED Surge Capacity Management Workgroup
2023-2025	Member and ED Representative, Elopement Committee
2023-Present	Member, Timely Antibiotics in Sepsis Workgroup
2024-Present	Member, Sepsis/Clinical Documentation Improvement Coding Workgroup
2024-Present	Member, Sepsis Timer Workgroup
2025-Present	Member, Sepsis Education Workgroup

Local Service

2022-2025	Chair, Practice Management Committee, Maryland ACEP
2025	Evaluation Member, Maryland EMS Pre-hospital Communication Automation Evaluation Workgroup

National Service

2020-Present	Ad Hoc Reviewer, <i>Journal of Emergency Medicine</i> (~3x/yr)
2020-2021	Councilor, Young Physicians Section, American Academy of Emergency Medicine (AAEM)
2021-Present	Member, Clinical Practice Committee, AAEM
2021-2022	Alternate Councilor, Quality Improvement (QI) and Patient Safety Section, ACEP
2022-2023	Chair, QI and Patient Safety Section, ACEP
2022	Ad Hoc Reviewer, <i>Stroke</i> (2x/yr)
2022	Ad Hoc Reviewer, <i>Journal of the American Heart Association</i> (2x/yr)
2022-Present	Member, Clinical Policies Writing Subcommittee, ACEP
2022-Present	Abstract Judge, ACEP Research Forum
2024-2025	Ad Hoc Reviewer, <i>Clinical Practice and Cases in Emergency Medicine</i> (~15/yr)
2024-Present	Ad Hoc Reviewer, <i>The Western Journal of Emergency Medicine</i> (~15/yr)

2024	Ad Hoc Reviewer, <i>International Journal of Emergency Medicine</i> (~1/yr)
2025-Present	Decision Editor, <i>Clinical Practice and Cases in Emergency Medicine</i>
2025	Ad Hoc Reviewer, <i>Journal of the American Geriatrics Society</i> (~1/yr)

Teaching Service

Undergraduate Student Teaching/Mentoring/Advising

2023-Present	Alumni Partner (Mentor and Advisor), Ohio Wesleyan University 3-4 students – 1-4 hours per student per year
2024-Present	Mentor/Clinical Experience Supervisor, Emergency Department, UMMC 2 long-term observers – average 60 hours per student per year

Graduate / Post-Graduate Teaching

2023-2024	Research Mentor 1 School of Dentistry Master's Candidate--1 hour/week
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Medical Student Teaching/Mentoring

2015-2018	Instructor, Wilderness Medicine Interest Group, UMSOM 15-30 first-fourth year medical students--10 contact hours/year
2015-2018	Teaching Resident, Emergency Department, UMMC 1-2 first-fourth year medical students--24 hours/year
2016-2018	Volunteer Instructor, Introduction to Clinical Medicine, UMSOM 1 first year medical student--5 contact hours/year
2018	Small Group Instructor, Electrocardiogram Workshop, UMSOM 5-10 second year medical students--3 contact hours
2018	Small Group Instructor, Cardiovascular Emergencies Workshop, UMSOM 20-30 second year medical students--3 contact hours
2018-2019	Clinical Instructor, Emergency Department, UMMC 1 third/fourth year medical student--200 hours/year
2019-2020	Instructor, Emergency Department, UMMC 1 third/fourth year medical student--600 hours/year
2020-present	Assistant Professor, UMMC Emergency Department 1 third/fourth year medical student--400 hours/year
2020	Small Group Instructor, Pulmonary Emergencies Workshop 20-30 second year medical students--3 contact hours
2022	Small Group Instructor, Intro to Echocardiography Workshop 15 second year medical students--2 contact hours
2022-2023	Emergency Medicine Sub-I Advanced Lectures, UMSOM 6-12 third/fourth year medical students--6 contact hours/year
2022-present	Emergency Medicine Clerkship Lectures, UMSOM 10-15 third/fourth year medical students--6 contact hours/year
2023-present	“Atrial Fibrillation” Lecture for Functional Systems: Cardiovascular Disease Block, UMSOM

	150 second year medical students--1 contact hour/year
2023	Small Group Instructor, Intro to Ultrasound Intravenous Access 15 second year medical students--2 contact hours
2023	Small Group Instructor, Intro to Gallbladder Ultrasound 15 second year medical students--2 contact hours
2023	Small Group Instructor, EM Procedures Workshop 20 third year medical students--4 contact hours
2023	Small Group Instructor, EM Suture Workshop 5 third year medical students--2 contact hours
2023	Course Instructor, QI and Patient Safety Elective 1 fourth year medical student--10 contact hours
2024	Electrocardiogram (ECG) Workshop Instructor, Cardiovascular Block 60 second year medical students--1 contact hour

Resident and Fellow Teaching

2018-2019	Clinical Instructor, UMMC Emergency Department 2-3 junior and senior residents--700 contact hours/year
2018-2020	Cadaveric Procedures Instructor, UMMC Emergency Department, 40-50 residents and fellows--20 contact hours/year
2018-2019	Just Culture Facilitator, UMMC 10-15 faculty and administrators--12 contact hours/year
2019	Speaking Competition Judge, Rocky Mountain Winter Conference on Emergency Medicine, 10 residents--5 contact hours
2019-present	Co-Director of Clinicopathologic Conference Program, UMSOM Emergency Medicine Residency Program 14 junior residents--50 contact hours/year
2019-present	Attending Physician, UMMC Emergency Department 2-3 junior and senior residents--1000 contact hours/year
2019-2020	Journal Club Faculty Leader, UMEM Residency Program 10-20 residents--3-5 contact hours/year
2020-2024	UMMC EM Residency Faculty Mentor Program 1-2 residents--10 contact hours/year
2020-present	UMMC EM Resident Research/Scholarship Mentoring ~2 residents--20 contact hours/year
2020-present	UMMC EM Resident Career Mentoring ~4 residents, 4 contact hours/year
2021	Session Speaker, UMMC Roundtable for Residents/Fellow on Adverse Event Reporting--100 residents/fellows, 3 contact hours/year
2022-present	Course Director, Elective in EM Administration, ~2 residents--40 contact hours/year

Research Activities

Research focus on emergency department operations, with emphasis on patient flow, access to care, quality, and safety.

Grant Support

Active Grants

01/25/2025-12/31/2026

PI, 3%

“Development of a Novel Clinical Decision Rule: Pulmonary Embolism Enhanced D-dimer Geneva Evaluation (PE-EDGE)”
Maryland Emergency Medicine Network Departmental Grant
Annual Direct Costs: \$7,500
Total Direct Costs: \$15,000

Pending Grants

04/01/2026-03/31/2031

Co-Inv, 10% (PI: V. Fabre and S. Cosgrove, Site PI: J. Baghdadi)
“Implementation of a Blood Culture Stewardship Intervention to Improve Blood Culture Utilization among Adult Patients in the Emergency Room”
NIH R01 #92308
Total Award Amount (including Indirect Costs): \$3,880,615
Date of Submission: 06/05/2025
Status of Support: Pending

Completed Grants

2010-2011

Student Trainee, N/A (PI: S. Kirkby)
Student Traineeship Award
Cystic Fibrosis Foundation
Annual Direct Costs: \$4,000
Total Direct Costs: \$4,000

2013-2014

Student Scholar, N/A (PI: L. Tereshchenko)
Student Scholarship in Cardiovascular Disease
American Heart Association
Annual Direct Costs: \$2,000
Total Direct Costs: \$2,000

2021-2023

Mentee, N/A (Mentor: R.G. Wilkerson)
Scholar Mentor Program
National Foundation of Emergency Medicine
Annual Direct Costs: \$20,000
Total Direct Costs: \$40,000

2022-2023

PI, 1%
Social EM and Population Health Mini Grant
American Academy of Emergency Medicine
Annual Direct Costs: \$2,500

Total Direct Costs: \$2,500

2022-2023 co-PI, 3% (PI: Gingold)
“Association of Race with Use of Physical Restraint in the Emergency Department – a Retrospective Chart Review”
Maryland Emergency Medicine Network Departmental Grant
Annual Direct Costs: \$9,000
Total Direct Costs: \$9,000

Publications

Peer-Reviewed Journal Articles

1. Tereshchenko LG, **Gatz D**, Feeny A, Korley FK. Automated analysis of the 12-lead ECG in the emergency department: association between high-sensitivity cardiac troponin I and the cardiac electrical biomarker. *Crit Pathw Cardiol*. 2014 Mar;13(1):25-8. Available from: <https://PMC9014373/>.
2. Kirkby S, Hayes D Jr, Ginn-Pease M, **Gatz J**, Wisely CE, Lind M, Elmaraghy C, Ryan-Wenger N, Sheikh SI. Identification of new bacterial and fungal pathogens on surveillance bronchoscopy prior to sinus surgery in patients with cystic fibrosis. *Pediatr Pulmonol*. 2015 Feb;50(2):137-43. Available from: <https://doi.org/10.1002/ppul.23027>.
3. Tuteja G, Uppal A, Strong J, Nguyen T, Pope K, Jenkins R, Al Rebh H, **Gatz D**, Chang WT, Tran QK. Interventions affecting blood pressure variability and outcomes after intubating patients with spontaneous intracranial hemorrhage. *Am J Emerg Med*. 2019 Sep;37(9):1665-1671. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S0735675718309616>.
4. Mahonski SG, Leonard JB, **Gatz JD**, Seung H, Haas EE, Kim HK. Prepacked naloxone administration for suspected opioid overdose in the era of illicitly manufactured fentanyl: a retrospective study of regional poison center data. *Clin Toxicol (Phila)*. 2020 Feb;58(2):117-123. Available from: <https://doi.org/10.1080/15563650.2019.1615622>.
5. **Gatz JD**, Spangler R. Evaluation of the Renal Transplant Recipient in the Emergency Department. *Emerg Med Clin North Am*. 2019 Nov;37(4):679-705. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S0733862719300720>.
6. Friedman ER, **Gatz JD**, Dezman ZDW, Bontempo LJ. 55-year-old Male with Exertional Dyspnea. *Clin Pract Cases Emerg Med*. 2020 Apr 23;4(2):111-115. Available from: <https://PMC7219983/>.
7. Fleming ER, **Gatz JD**. 37-year-old Transgender Man with Fevers, Dysuria, and Sudden Decompensation. *Clin Pract Cases Emerg Med*. 2020 Aug;4(3):277-282. Available from: <https://PMC7434288/>.
8. Sjeklocha L, **Gatz JD**. Traumatic Injuries to the Spinal Cord and Peripheral Nervous System. *Emerg Med Clin North Am*. 2021 Feb;39(1):1-28. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S0733862720300894>.

9. **Gatz JD**, Gingold DB, Lemkin DL, Wilkerson RG. Association of Resident Shift Length with Procedural Complications. *J Emerg Med*. 2021 Aug;61(2):189-197. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S0736467921001700>.
10. Spurrell M, Lescure D, Gingold DB, **Gatz JD**. Man With Pleuritic Chest Pain and Hemoptysis. *Ann Emerg Med*. 2021 Aug;78(2):307-317. Available from: [https://www.annemergmed.com/article/S0196-0644\(21\)00190-6/fulltext](https://www.annemergmed.com/article/S0196-0644(21)00190-6/fulltext).
11. van Terheyden S, Gingold DB, Tewelde S, **Gatz JD**. Man with right foot wound. *J Am Coll Emerg Physicians Open*. 2021 Aug 18;2(4):e12541. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC8374062/>.
12. Stryckman B, Kuhn D, Gingold DB, Fischer KR, **Gatz JD**, Schenkel SM, Browne BJ. Balancing Efficiency and Access: Discouraging Emergency Department Boarding in a Global Budget System. *West J Emerg Med*. 2021 Sep 2;22(5):1196-1201. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC8463045/>.
13. Cali NA, Falat C, Bontempo LJ, **Gatz JD**. 60-year-old Female with Edema. *Clin Pract Cases Emerg Med*. 2022 Aug;6(3):198-203. Available from: <https://pubmed.ncbi.nlm.nih.gov/36049202/>.
14. Sibai RE, Freedman SR, **Gatz JD**. A Narrative Review of the Evaluation and Management of Liver Transplant Complications in the Emergency Department. *J Emerg Med*. 2023 May;64(5):596-609. Available from: [https://www.jem-journal.com/article/S0736-4679\(23\)00069-0/abstract](https://www.jem-journal.com/article/S0736-4679(23)00069-0/abstract).
15. McNeilly BP, Williams DM, Bontempo LJ, **Gatz JD**. 44-year-old Man with Hemoptysis and Hypoxic Respiratory Failure: A Case Report. *Clin Pract Cases Emerg Med*. 2023 May;7(2):54-59. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC10247176/>.
16. Windsor TA, Wong-You-Cheong JJ, Gingold DB, **Gatz JD**. A Woman With Right Upper Extremity Paralysis. *JEM Reports*. 2023 March;3(1). Available from: <https://www.sciencedirect.com/science/article/abs/pii/S2773232023000664>.
17. **Gatz JD**, Myers BA. Technology and Transplants: Troubleshooting Insulin Pumps and Pancreas Transplants in the Emergency Department. *Emerg Med Clin North Am*. 2023 Nov;41(4):775-793. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S0733862723000755>.
18. Lowie BJ, Hicks C, Falat C, Hydorn SC, Windsor TA, Smedley A, Fu Y, **Gatz JD**. Overcoming stagnant flow: A scoping review of vertical movement in the emergency department. *Acad Emerg Med*. 2024 Mar;31(3):256-262. Available from: <https://onlinelibrary.wiley.com/doi/10.1111/acem.14846>.
19. Fassas E, Fischer K, Schenkel S, **Gatz JD**, Gingold DB. Public Health Interventions in the Emergency Department: A Framework for Evaluation. *West J Emerg Med*. 2024 May;25(3):415-422. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC11112666/>.
20. Wynne ZR, Hu KM, Bontempo LJ, **Gatz JD**. 54-year-old Woman with Chest Pain. *Clin Pract Cases Emerg Med*. 2024 May;8(2):83-89. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC11166056/>.
21. Paterson R, Euerle B, Salerno A, Miller T, King S, **Gatz JD**. Use of Esmarch bandage does not increase peripheral vein size in healthy volunteers: A randomized clinical trial. *Am J Emerg Med*. 2024 Sep;83:20-24. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S0735675724002985>.

22. **Gatz JD**, Stryckman B, Magder LS, Deshmukh S, Sutherland M, Gingold DB. Association between patient race and emergency department physical restraint use in a statewide hospital system. *Am J Emerg Med*. 2025 Jan;87:57-62. Available from: <https://www.sciencedirect.com/science/article/pii/S0735675724005503>.
23. **Gatz JD**, Wilkerson RG. Diagnosis and management of acute mesenteric ischemia in the emergency department. *Emerg Med Pract*. 2024 Dec;26(12):1-28. Available from: <https://www.ebmedicine.net/topics/abdominal/emergency-medicine-mesenteric-ischemia>.
24. Gingold DB, Pickering A, **Gatz JD**. A woman with shortness of breath since liver transplantation. *Vis J Emerg Med*. 2025 April;39:102262. Available from: <https://www.sciencedirect.com/science/article/pii/S2405469025000718>.
25. **Gatz JD**, Windsor TA, Chu E, Dezman ZDW, Bontempo LJ. Mentorship as a Catalyst for Academic Writing in Emergency Medicine. *AEM Educ Train*. 2025 Jun 16;9(3):e70062. doi: 10.1002/aet2.70062. Available from: <https://pubmed.ncbi.nlm.nih.gov/40524761/>.
26. Dunn RE, Klucher B, Bontempo LJ, **Gatz JD**. 70-year-old Woman with Chest Tightness and Shortness of Breath. *Clin Pract Cases Emerg Med*. (Accepted)
27. Kurek J, Falat C, Bontempo LJ, **Gatz JD**. 19-month-old Girl with Seizure. *Clin Pract Cases Emerg Med*. (Accepted)
28. Moen M, **Gatz JD**, Stryckman B, Wing J, Dunn K, Ringwala A, Harrington S, Deshmukh S, Kurek J, Greenblatt A, Gingold DB. "Majority of the time, I know I'm right": understanding the decisions behind persistently high ED utilization among patients with substance use disorders. *BMC Health Serv Res*. 2025 Dec 12. doi: 10.1186/s12913-025-13829-9. Epub ahead of print. PMID: 41388403.
29. Zandee van Rilland ED, Fayad LM, Link TM, Davis KW, Wu JS, Brown IP, Chang EY, Chow LC, Desai SC, Fritz J, **Gatz JD**, Garner HW, Gorbachova TA, Gray M, Gross JA, Guermazi A, Ha PK, Halle TR, Hall MK, Hanna TN, Kornblith AE, Lee MA, Lopez RR, Mann ED, Moore CL, Obey MR, Osgood GM, Patel ZM, Raja AS, Rendon JM, Sabbatini AK, Tannoury C, Yu JS, Boutin RD. Optimizing Utilization of Radiographic Exams: Multidisciplinary, Multi-Institutional Expert Consensus Recommendations by Radiologists, Emergency Medicine Physicians, and Surgeons from 21 Academic Centers Endorsed by the Society of Academic Bone Radiologists, Society of Skeletal Radiology, American Society of Emergency Radiology, Orthopaedic Trauma Association, and American Academy of Emergency Medicine. *Radiology*. (Accepted)

Submitted or In-Revision Peer-Reviewed Journal Articles

None pending at this time

Non-Peer-Reviewed Journal Articles

1. **Gatz JD**, Grissom T, Chauhan R. Emergent needle decompression for tension pneumothorax resulting in life threatening intercostal artery injury. *Glob Anesth Perioper Med*, 2018; 2. Available from: <https://www.oatext.com/emergent-needle-decompression-for-tension-pneumothorax-resulting-in-life-threatening-intercostal-artery-injury.php>.
2. Wilkerson RG, **Gatz JD**, Liu ML. Advanced Management of Opioid Overdose in the Emergency Department. *EM Reports* 2018; 39(6):1-15.

3. **Gatz JD.** Starting Strong: Essential Steps to Making the Right First Impression at Your New Job. *Common Sense*. 2021 July/August;28(4): 45-46.

Book Chapters

1. **Gatz J.** Renal Transplant Related Emergencies. In: Swadron S, Nordt S, Mattu A, and Johnson W, editors. *CorePendum*. 2nd ed. [Internet]. Burbank, CA: CorePendum, LLC; 2022. [cited 2025 August 27] [about 9 p.]
2. **Gatz J**, Whetstone W. Spinal Cord Injuries. In: Swadron S, Nordt S, Mattu A, and Johnson W, eds. *CorePendum*. 2nd ed. [Internet]. Burbank, CA: CorePendum, LLC. 2022 [cited 2025 September 2] [about 15 p.]
3. **Gatz J.** Renal Transplant Related Emergencies. In: Swadron S, Nordt S, Mattu A, and Johnson W, eds. *CorePendum*. 3rd ed. [Internet]. Burbank, CA: CorePendum, LLC; 2023. [cited 2025 August 27] [about 9 p.]
4. **Gatz J**, Whetstone W. Spinal Cord Injuries. In: Swadron S, Nordt S, Mattu A, and Johnson W, eds. *CorePendum*. 3rd ed. [Internet]. Burbank, CA: CorePendum, LLC. 2023 [cited 2025 September 2] [about 15 p.]
5. **Gatz J.** Approach to the Solid Organ Transplant Recipient. In: Swadron S, Nordt S, Mattu A, and Johnson W, eds. *CorePendum*. 3rd ed. [Internet]. Burbank, CA: CorePendum, LLC. 2023 [cited 2025 September 2] [about 10 p.]
6. **Gatz J.** Renal Transplant Related Emergencies. In: Swadron S, Nordt S, Mattu A, and Johnson W, eds. *CorePendum*. 4th ed. [Internet]. Burbank, CA: CorePendum, LLC. 2024 [cited 2025 September 2] [about 9 p.]
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16. **Gatz JD**. Chest Pain Plus ... Don't Miss Aortic Dissection. In: Winters ME, Woolridge DP, Marcolini E, Lu M, Dubbs SB. Avoiding Common Errors in the Emergency Department, 3rd ed. Philadelphia: Wolters Kluwer; 2025. p. 180-182.
17. Cornwell B, **Gatz JD**. Sedation Pearls and Pitfalls: Procedural Sedation in the Emergency Department. In: Winters ME, Woolridge DP, Marcolini E, Lu M, Dubbs SB. Avoiding Common Errors in the Emergency Department, 3rd ed. Philadelphia: Wolters Kluwer; 2025. p. 713-717.
18. Cornwell B, **Gatz JD**. Arthrocentesis Tips. In: Winters ME, Woolridge DP, Marcolini E, Lu M, Dubbs SB. Avoiding Common Errors in the Emergency Department, 3rd ed. Wolters Kluwer, 2025. Chapter 272, p. 717-719.

Abstracts and/or Proceedings

1. Tereshchenko L, **Gatz JD**, Bell R, Feeny A, Korley F. New cardiac electrical biomarker measured on 12-lead ECG strongly correlates with high sensitivity troponin in patients admitted to the emergency department to rule out acute myocardial ischemic injury. *J Am Coll Cardiol*, suppl. 2013 Mar 12;61(10):E237.
2. Strong J, **Gatz JD**, Al Rebh H, Kersey J, Jenkins R, Pope K, et al. Emergency Providers Did Not Adequately Manage Patients With Spontaneous Intracranial Hemorrhage and Suspected Intracranial Hypertension. *Ann Emerg Med*. 2017 October;70(4):S108.
3. Tran QK, Strong J, Al Rebh H, **Gatz JD**, Pope K, Jenkins R, et al. Emergency Providers Adequately Manage Mechanical Ventilation In Critically Ill Patients With Spontaneous Intracranial Hemorrhage and Elevated Intracranial Pressure. *Ann Emerg Med*. 2017 October;70(4):S50.
4. Mahonski S, Leonard J, **Gatz JD**, Seung H, Zhang M, Kim H. Bystander Naloxone Administration for Undifferentiated Opioid Overdose in the Era of Non-pharmaceutical Fentanyl: a Retrospective Study of a Regional Poison Center Data. *Clin Toxicol* 2018 Oct;56(10):912-1092.
5. **Gatz JD**, Gingold D, Wilkerson RJ. Association of Resident Shift Length with Procedural Performance. *Ann Emerg Med*. 2019 October;74(4), A2-A16.
6. Paterson R, Euerle B, Salerno A, Miller T, King SA, **Gatz JD**. Esmarch Bandage Fails to Increase Vein Diameter for Ultrasound Peripheral Intravenous Cannulation. *Acad Emerg Med*. 2023 May;30 Suppl 1:8-423.
7. Hicks C, Lowie B, Falat C, Hydorn SC, Fu Y, Smedley A, **Gatz JD**. Overcoming Stagnant Flow: A Scoping Review of Vertical Movement in the Emergency Department. *Acad Emerg Med*. 2023 May;30 Suppl 1:8-423.
8. **Gatz JD**, Sutherland M, Stryckman B, Gingold DB, Deshmukh S. Association of Patient Race and Emergency Department Physical Restraint Use in a Statewide Hospital System. *Acad Emerg Med*. 2023 May;30 Suppl 1:8-423.

9. Dunn K, Gingold DB, Greenblatt AD, Ringwala A, Stryckman B, **Gatz JD**, et al. Pursuing Qualitative Insights From Patients with Persistently High Emergency Department Use to Inform Care Coordination Services in Co-Located Substance Use, Medical, and Psychiatric Care Setting. *SAj*. 2024 November; Suppl.45(2).

Published Multimedia

1. **Gatz JD**. "Shock and Awe: Traumatic Spine Injuries." Featured speaker on the continuing medical education audio program *EMCast*, [https://d3o67wsvqsh1jr.cloudfront.net/cme/cme_46500_hi.mp4], www.EmedHome.com, April 2019
2. **Gatz JD**, Mattu A. "Emergencies in Patients with Chronic Spinal Cord Injury." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, October 2019
3. **Gatz JD**, Mattu A. "Management of Intracerebral Hemorrhage." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, December 2020
4. **Gatz JD**, Mattu A. "Evaluation of the Cardiac Transplant Recipient." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, July 2021
5. **Gatz JD**, Mattu A. "Cerebral Venous Thrombosis." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, October 2021
6. **Gatz JD**, Mattu A. "Myths and Misconceptions About the Treatment of Acute Hyperkalemia." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, July 2022
7. **Gatz JD**, Martinelli A, Mattu A. "Top Myths of Diagnosis and Management of Infectious Diseases in Hospital Medicine." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, August 2022
8. **Gatz JD**, Mattu A. "Pulmonary Embolism." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, August 2022
9. **Gatz JD**, Swaminathan A. "Cardiac Transplant Challenges." Featured speaker on the continuing medical education audio program *EM:RAP*, [<https://www.emrap.org/episode/emrap202214/cardiac>], www.emrap.org, November 2022
10. Wynne Z, **Gatz JD**, Mattu A. "Alcoholic Ketoacidosis." Featured speaker on the continuing medical education audio program *EMCast*, [<https://www.emedhome.com>], www.EmedHome.com, December 2022
11. **Gatz JD**, Mattu A. "Aortic Dissection." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, February 2023
12. Kuppusamy P, **Gatz JD**, Mattu A. "Against Medical Advice." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, July 2023
13. **Gatz JD**. "Tips and Tricks for Spine Trauma." Emergency Medicine News online lecture of the month. EMedHome.com.
14. Martinez J, **Gatz JD**, Mattu A. "Mesenteric Ischemia." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, August 2023

15. Poremba M, **Gatz JD**, Mattu A. "Managing and Preventing Migraine in the ED." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, September 2023
16. Rosenblatt L, **Gatz JD**, Mattu A. "Abdominal Pain After Roux-en-Y Gastric Bypass." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, January 2024
17. **Gatz JD**, Mattu A. "Managing Pulmonary Embolism." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, March 2024
18. Tannenbaum L, **Gatz JD**, Mattu A. "Diagnosis of Aortic Dissection." Featured speaker on the continuing medical education audio program *EMCast*, www.EmedHome.com, August 2024

Major Invited Speeches

Local/Regional

1. **Gatz JD**, "Diagnosing Aneurysmal SAH," University of Maryland Emergency Medicine (UMEM) Clinical Pathologic Conference, Baltimore, MD, 2016.
2. **Gatz JD**, "Emerging Street Drugs in Baltimore and Around the United States," *Keynote Speaker* at 40th Emergency Care Symposium at University of Maryland Upper Chesapeake Hospital. Bel Air, MD, 7/2017
3. **Gatz JD**, "How to Catch a Unicorn: Teaching and Preparing for Rare Procedures in the Emergency Department," UMEM, Baltimore, MD, 2018.
4. **Gatz JD**, Strong J, "Charm City – How to Communicate with Consultants," UMEM Intern Orientation Conference, Baltimore, MD, 2018.
5. **Gatz JD**, "Painful Pearls: Acute Pain Management in the ED", UMEM, Baltimore, MD, 2018.
6. **Gatz JD**, Gingold D, "A Song of Ice and Fire: Cold Injuries and Hypothermic Resuscitation," UMEM, Baltimore, MD, 2018.
7. **Gatz JD**, "Diagnosing Cardiac Sarcoidosis," UMEM Clinical Pathologic Conference, Baltimore, MD, 2018.
8. **Gatz JD**, "Physician Productivity," UMEM, Baltimore, MD, 2018.
9. **Gatz JD**, "Difficult Conversations," UMMC Chief Resident Summit, Baltimore, MD, 2019.
10. **Gatz JD**, "Association of Resident Shift Length with Procedural Performance," UMEM Research Day Conference, Baltimore, MD, 2019.
11. **Gatz JD**, "Shock and Awe: Spine Injuries," UMEM, Baltimore, MD, 2019.
12. **Gatz JD**, "UMMC Morbidity and Mortality," UMEM, Baltimore, MD, 2019.
13. **Gatz JD**, "Coming Aboard – Stories from Year One," UMEM Administrative Curriculum Mini-Conference, Baltimore, MD, 2019.
14. **Gatz JD**, "Difficult Conversations," UMMC Chief Resident Summit, Baltimore, MD, 2020.
15. **Gatz JD**, "UMMC Morbidity and Mortality," UMEM, Baltimore, MD, 2020.
16. **Gatz JD**, "Trauma to the Spinal Cord and Peripheral Nervous Systems & Sedation for Rapid Sequence Intubation of the Neurologically-Injured Patient," UMEM Fifth Hour Conference, Baltimore, MD, 2021.
17. **Gatz JD**, "Curing Cures Concerns: The Cures Act and Open Notes," UMEM, Baltimore, MD, 2021.

18. **Gatz JD**, “Curing Cures Concerns: The Cures Act and Open Notes”, UMMC Emergency Medicine NP Group, Baltimore, MD, 2021.
19. **Gatz JD**, “Difficult Conversations,” UMMC Chief Resident Summit, Baltimore, MD, 2021.
20. **Gatz JD**, “Making the Right First Impression at Your New Job,” UMEM Graduating Resident Retreat, Baltimore, MD, 2021.
21. **Gatz JD**, Smedley A, “Surviving the Adult Emergency Department,” UMEM Intern Orientation, Baltimore, MD, 2021.
22. **Gatz JD**, “Fifth Hour Conference: Cardiogenic Shock and Cardiac Transplant,” UMEM, Baltimore, MD, 2021.
23. **Gatz JD**, “UMMC Morbidity and Mortality,” UMEM, Baltimore, MD, 2021.
24. **Gatz JD**, “Evaluation and Management of Sepsis – What New ED Nurses Should Know,” UMMC, Baltimore, MD, 2021.
25. **Gatz JD**, “Differential of Acute Hemiplegia,” UM Family Medicine Didactic Conference (Invited Speaker), Baltimore, MD, 2021.
26. **Gatz JD**, “Renal Transplant Recipients in the ED – Harry Potter and the ED Management of Voldemort’s Stolen Kidney,” UMEM, Baltimore, MD, 2021.
27. Winters M, Schenkel S, **Gatz JD**, Smedley A, Flint R, Chandra A, et al. “Business of Medicine Jeopardy,” UMEM Grand Rounds, Baltimore, MD, 2022.
28. **Gatz JD**, “ECG Trivia – Sudden Death Edition,” UM Family Medicine Didactic Conference (Invited Speaker), Baltimore, MD, 2022.
29. **Gatz JD**, “Transplant Train Wrecks,” Invited Grand Rounds (virtual), Virginia Tech Carilion Clinic Department of Emergency Medicine, Roanoke, VA, 2022.
30. **Gatz JD**, “Transplant Train Wrecks”, Maryland ACEP Educational Conference & Annual Meeting, Linthicum, MD, 2022.
31. **Gatz JD**, “Managing Conflict”, Invited Speaker for the UMMC “Leading for Success” series for UMMC Medical Directors and Lead Physicians of Ambulatory Practices, Baltimore, MD, 2022.
32. **Gatz JD**, “UMMC Morbidity and Mortality,” UMEM, Baltimore, MD, 2022.
33. **Gatz JD**, “Capturing Critical Care in the ED,” UMMC Emergency Medicine NP Group, Baltimore, MD, 2023.
34. **Gatz JD**, “UMMC Morbidity and Mortality,” UMEM, Baltimore, MD, 2023.
35. **Gatz JD**, “Optimizing Critical Care Billing,” EM Documentation and Reimbursement Conference, Olney, MD, 2024.
36. **Gatz JD**, “Optimizing Critical Care Billing,” EM Documentation and Reimbursement Conference, Olney, MD, 2025.

National

37. **Gatz JD**, “Drug-Induced Lupus,” Council of Emergency Medicine Residency Directors Academic Assembly, Ft. Lauderdale, FL, 2017.
38. **Gatz JD**, “Fighting Fire with Fire: How to Actually Save a Drug Addict’s Life,” Rocky Mountain Winter Conference on Emergency Medicine, Breckenridge, CO, 2018.
39. **Gatz JD**, “Cuts Like a Knife: Diagnosing Aortic Dissection,” The Crashing Patient Conference, Baltimore, MD, 2018.
40. **Gatz JD**, “Shock and Awe: Traumatic Spine Injuries,” Rocky Mountain Winter Conference, Steamboat Springs, CO, 2019.

41. **Gatz JD**, “Diagnosing Syphilis and the Jarisch–Herxheimer Reaction,” Council of Emergency Medicine Residency Directors Academic Assembly, Seattle, WA, 2019.
42. **Gatz JD**, “Paralyzed by Paralysis? How to Manage Spinal Cord Injury in the ED,” The Crashing Patient Conference, Baltimore, MD, 2019.
43. **Gatz JD**, “Diagnosing SVC Syndrome and Pulmonary Embolism from a VA-Shunt,” American College of Emergency Physicians Annual Meeting, Denver, CO, 2019.
44. **Gatz JD**, “Transplant Train Wrecks,” The Crashing Patient Conference, Baltimore, MD, 2021.
45. **Gatz JD**, Smedley A, “Cases in EM Administration,” The Crashing Practice Conference, Baltimore, MD, 2021.
46. **Gatz JD**, “Transplant Train Wrecks,” AAEM Scientific Assembly, Baltimore, MD, 2022.
47. **Gatz JD**, “Perilous Paralysis,” Invited Speaker and Panelist, The Crashing Patient Conference, Baltimore, MD, 2022.
48. **Gatz JD**, “Perilous Paralysis,” Invited Speaker, The Rocky Mountain Winter Conference, Breckenridge, CO, 2023.
49. **Gatz JD**, “Pulmonary Embolism: When the Right goes Wrong (Part 1),” Invited Speaker, Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2023.
50. **Gatz JD**, “Fast Fibs: Managing A-Fib RVR,” Invited Speaker, Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2023.
51. **Gatz JD**, “A Ripping Disaster: Aortic Dissection,” Invited Speaker, Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2023.
52. **Gatz JD**, “MI and Mimics: ECG,” Invited Speaker, Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2023.
53. **Gatz JD**, “Road Closed Ahead!: Caring for the Bottle of Aortic Stenosis,” Invited Speaker, Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2023.
54. **Gatz JD**, “Fighting Back Against Cardiogenic Shock,” Invited Speaker, Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2023.
55. **Gatz JD**, “Guardians of the Graft: ED Evaluation and Intervention for Transplant Recipients,” Invited Speaker and Panelist, The Crashing Patient Conference, Baltimore, MD, 2023.
56. **Gatz JD**, “Pulmonary Embolism Literature Update,” Top Articles Conference sponsored by JournalFeed.org, Virtual, 2024.
57. **Gatz JD**, “Pulmonary Embolism: When the Right goes Wrong (Part 1),” Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2024.
58. **Gatz JD**, “Fast Fibs: Managing A-Fib RVR,” Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2024.
59. **Gatz JD**, “A Ripping Disaster: Aortic Dissection,” Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2024.
60. **Gatz JD**, “MI and Mimics: ECG,” Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2024.
61. **Gatz JD**, “Road Closed Ahead!: Caring for the Bottle of Aortic Stenosis,” Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2024.
62. **Gatz JD**, “Fighting Back Against Cardiogenic Shock,” Cardiac Emergencies: Catastrophes On The Floor CME Conference, Sarasota, FL, 2024.
63. **Gatz JD**, “The Other ‘MI’: Intestinal Angina and Mesenteric Ischemia,” Topics in Emergency Medicine, Yosemite National Park (Fish Camp), CA, 2024.

64. **Gatz JD**, “Did I Pass Out?,” Topics in Emergency Medicine, Yosemite National Park (Fish Camp), CA, 2024.
65. **Gatz JD**, “Cardiac Procedure Bouncebacks,” Topics in Emergency Medicine, Yosemite National Park (Fish Camp), CA, 2024.
66. **Gatz JD**, “Tearing Me Up: Aortic Dissection,” Topics in Emergency Medicine, Yosemite National Park (Fish Camp), CA, 2024
67. **Gatz JD**, “AFib in the ED,” Topics in Emergency Medicine, Yosemite National Park (Fish Camp), CA, 2024.
68. **Gatz JD**, “Clots, Chaos, and Cardiovascular Collapse: Confronting PE in the ED,” in Emergency Medicine, Yosemite National Park (Fish Camp), CA, 2024.
69. **Gatz JD**, “Pulmonary Embolism Literature Update,” Top Articles Conference sponsored by JournalFeed.org, Virtual, 2025.
70. **Gatz JD**, “Pulmonary Embolism Literature Update,” Top Articles Conference sponsored by JournalFeed.org, Virtual, 2026.

Media Appearances

Hayes, T. “Doctor explains importance of staying hydrated,” In: The Woman’s Doctor at Mercy. Baltimore: WBALTV; 2019 [Video]. Available from: <https://www.wbaltv.com/article/doctor-explains-importance-of-staying-hydrated/27515930> (accessed 2 September 2025).

Steber, C. “7 Fascinating Caffeine Withdrawal Side Effects No One Told You About,” In: Bustle: Life. BDG Media; 2019. [Web article]. Available from: <https://www.bustle.com/p/7-fascinating-caffeine-withdrawal-side-effects-no-one-told-you-about-17946317> (accessed 2 September 2025).

Miller, K. “15-Year-Old Boy Miraculously Survives After 10-Inch Knife Impales His Face,” In: Prevention. Hearst Magazine Media, Inc.; 2019. [Web article]. Available from: <https://www.prevention.com/health/a28085502/kansas-boy-eli-gregg-survives-10-inch-knife-face/> (accessed 2 September 2025).

Miller, K. “17-Year-Old Left With a Crack In His Jaw After Vape Pen Explodes In His Mouth,” In: Prevention, Hearst Magazine Media, Inc.; 2019. [Web article]. Available from: <https://www.prevention.com/health/a28134789/teen-injured-vape-pen-explosion/> (accessed 2 September 2025).

Miller, K. “Father of 6 Dies in ‘Freak Accident’ After ‘Intense’ Wave Breaks His Neck At the Beach,” In: Prevention, Hearst Magazine Media, Inc.; 2019. [Web article]. Available from: <https://www.prevention.com/health/a28468530/lee-dingle-wave-freak-accident-north-carolina/> (accessed 2 September 2025).

Sanders, P. “Mercy ER Physician Dr. David Gatz Discusses Swallowing Hazards,” In: Morning Show. Baltimore: FOX45 WBFF-TV; 2019 [Video]. Available from: <https://www.facebook.com/watch/?v=658627767937864> (accessed 2 September 2025).

Kerslake, R. “It’s Time We Start Better Supporting Pregnancy Loss in the Emergency Room,” In: Scary Mommy. BDG Media; 2019. [Web article]. Available from: <https://www.scarymommy.com/emergency-rooms-supporting-pregnancy-loss> (accessed 2 September 2025).

“These Are the Heart Attack Warning Signs Hiding in Plain Sight,” In: BestLife. Galvanized Media; 2020. [Web article] *no longer available online*.

“17 Silent Signs of a Heart Attack Men Can't Afford to Miss,” In: BestLife. Galvanized Media; 2020. [Web article]. *no longer available online*.

Pajer, N. “13 Unexpected Reasons Why You Might Have A Fever,” In: Huffpost. BuzzFeed Inc., 2019. [Web article]. Available from: https://www.huffpost.com/entry/fever-causes-high-temperature_1_5dc5c8e1e4b00927b232e3da (accessed 2 September 2025).

Todd, C. “Here's What to Do If You Are Teargassed,” In: SELF. Conde Nast; 2020. [Web article]. Available from: <https://www.self.com/story/what-to-do-if-tear-gassed> (accessed 2 September 2025).

“Secrets Doctors Would Never Tell You—But Do Now,” In: EatThis,NotThat!. Galvanized Media, 2020. [Web article]. *no longer available online*.

Miller, K. “Is Your Bug Bite Dangerous? These 6 Photos Can Help You Tell,” In: Women'sHealth. Hearst Magazine Media, Inc., 2021. [Web article]. Available from: <https://www.womenshealthmag.com/health/a19997589/dangerous-bug-bites/> (accessed 2 September 2025).

Kerslake, R. “The causes of rhabdo—and how to recover,” In: The Checkup. SingleCare, 2021. [Web article]. Available from: <https://www.singlecare.com/blog/rhabdomyolysis/> (accessed 2 September 2025).

“I'm an ER Doctor and Wish You Knew This One Thing,” In: EatThisNotThat!. Galvanized Media, 2022. [Web article]. *no longer available online*.

True, S. “The ‘tripledeemic’ has landed: What it looks like, and what to do,” In: The Baltimore Banner. The Venetoulis Institute for Local Journalism, 2022. Available from: <https://www.thebaltimorebanner.com/community/public-health/tripledeemic-flu-rsv-covid-19-MJ77IV4YWRH4JCXNDGPEFEMDZ4/> (accessed 2 September 2025).

Miller, H. “‘You got to go’: Heart Ravens fans brave freezing Falcons game,” In: The Baltimore Banner. The Venetoulis Institute for Local Journalism, 2022. [Web article]. Available from: <https://www.thebaltimorebanner.com/sports/ravens-nfl/the-cold-never-bothered-these-ravens-fans-anyway-XHGELTOL5NG67OLKFRYVUXUE74/> (accessed 2 September 2025).

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“Baltimore City issues Code Blue Alert,” In: WBAL-AM. Baltimore: WBALTV, 2022. [Video]. *No longer available online*.

“Maryland Is a Stroke Smart State,” [full length video]. Maryland Institute for Emergency Medical Services Systems, 2023. [Full-length video promotion]. Available from: https://www.youtube.com/watch?v=F7_6fwaJm7E&ab_channel=MarylandEMS (accessed 2 September 2025).

Perrone, Matthew. “FDA approves over-the-counter nasal spray Narcan,” In: WBAL Radio Interview. Baltimore: Hearst, 2023. [Radio Interview and web article]. Available from: <https://www.wbal.com/article/607996/3/fda-approves-over-the-counter-narcan-heres-what-it-means> (accessed 2 September 2025).

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<https://www.thebaltimorebanner.com/community/public-health/baltimore-wildfires-health-problems-YP3XMOT6KFA2RJUH6FSC4522DY/> (accessed 2 September 2025).

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Wilson, K. "Maryland heat deaths, illnesses already above 2024 rates." In: The Baltimore Sun. Baltimore: Tribune Media, 2025. [Print and Web article]. Available from: <https://www.baltimoresun.com/2025/07/26/maryland-heat-deaths-illnesses-already-above-2024-rates-report/> (accessed 2 September 2025).

Kendrick, K. "Medical Professionals Say This Is The Absolute Worst Thing You Can Do In The ER." In: Huffpost. BuzzFeed Inc., 2019. [Web article]. Available from: https://www.huffpost.com/entry/doctors-things-avoid-er_1_68b9e198e4b041ed82bdebe3 (accessed 28 October 2025).