

**Massachusetts General Hospital Department of Emergency Medicine
Faculty Publication List
January-July 2022**

RESEARCH INVESTIGATIONS

(Journals with Impact Factor >10 are highlighted)

1. [Refinement of an Emergency Department-Based, Advance Care Planning Intervention for Nurses.](#) Rubin BR, Chung M, Hasdianda MA, Gray TF, **Aaronson EL**, Dundin A, Egorova NA, Revette AC, Berry D, Ouchi K. J Palliat Med. 2022 Apr;25(4):650-655. doi: 10.1089/jpm.2021.0398. Epub 2022 Jan 31.PMID: 3510004
2. [Palliative care in the emergency department: A qualitative study exploring barriers, facilitators, desired clinician qualities, and future directions.](#) Gips A, Daubman BR, Petrillo LA, Bowman J, Ouchi K, Traeger L, Jackson V, Grudzen C, Ritchie CS, **Aaronson EL**. Palliat Support Care. 2022 Jun;20(3):363-368. doi: 10.1017/S1478951521001012.PMID: 34233782
3. [Psychological impact of COVID-19 on emergency department healthcare workers in a tertiary care center during a national economic crisis.](#) Al Hariri M, Hamade B, Bizri M, Salman O, Tamim H, **Al Jalbout N**. Am J Emerg Med. 2022 Jan;51:342-347. doi: 10.1016/j.ajem.2021.10.055. Epub 2021 Nov 6.PMID: 34808456
4. [Evaluation of a COVID-19 emergency department observation protocol.](#) Berlyand Y, **Baugh JJ**, Lee AH, **Dorner S**, **Wilcox SR**, **Raja AS**, Yun BJ. Am J Emerg Med. 2022 Jun;56:205-210. doi: 10.1016/j.ajem.2022.02.034. Epub 2022 Feb 24.PMID: 35427856
5. [The Utility and Sustainability of US Ebola Treatment Centers during the COVID-19 Pandemic.](#) Herstein JJ, **Biddinger PD**, Gibbs SG, Hewlett AL, Le AB, Schwedhelm MM, Lowe JJ. Infect Control Hosp Epidemiol. 2022 Feb 22:1-33. doi: 10.1017/ice.2022.43. Online ahead of print.PMID: 35189995
6. [Applying the Plan-Do-Study-Act Approach to Support Healthcare Facilities in the Early COVID-19 Pandemic Response.](#) Searle EF, Lane S, **Biddinger PD**, Shenoy ES. Health Secur. 2022 Jun;20(S1):S13-S19. doi: 10.1089/hs.2021.0184. Epub 2022 May 5.PMID: 35512738
7. [COVID-19 hospital and emergency department visitor policies in the United States: Impact on persons with cognitive or physical impairment or receiving end-of-life care.](#) Lo AX, Wedel LK, **Liu SW**, Wongtangman T, Thatphet P, Santangelo I, Chary AN, **Biddinger PD**, Grudzen CR, **Kennedy M**. J Am Coll

Emerg Physicians Open. 2022 Jan 20;3(1):e12622. doi: 10.1002/emp2.12622. eCollection 2022 Feb.PMID: 35079730

8. [Every Second Matters - uterine balloon tamponade implementation across ten medical colleges in Maharashtra and Madhya Pradesh in India: A qualitative study.](#) Posever N, Sipahi S, Shivkumar PV, **Burke TF**. Int J Gynaecol Obstet. 2022 Mar 12. doi: 10.1002/ijgo.14178. Online ahead of print.PMID: 35278216
9. [Impact of the introduction of a low-cost uterine balloon tamponade \(ESM-UBT\) device for managing severe postpartum hemorrhage in India: A comparative before-and-after study.](#) **Burke TF**, Shivkumar PV, Priyadarshani P, Garg L, Conde-Agudelo A, Guha M. Int J Gynaecol Obstet. 2022 Feb 25. doi: 10.1002/ijgo.14156. Online ahead of print.PMID: 35212417
10. [Changes in BMI During the COVID-19 Pandemic.](#) Knapp EA, Dong Y, Dunlop AL, Aschner JL, Stanford JB, Hartert T, Teitelbaum SL, Hudak ML, Carroll K, O'Connor TG, McEvoy CT, O'Shea TM, Carnell S, Karagas MR, Herbstman JB, Dabelea D, Ganiban JM, Ferrara A, Hedderson M, Bekelman TA, Rundle AG, Alshawabkeh A, Gilbert-Diamond D, Fry RC, Chen Z, Gilliland FD, Wright RJ, **Camargo CA**, Jacobson L, Lester BM, Hockett CW, Hodges ML, Chandran A; Environmental Influences on Child Health Outcomes.Pediatrics. 2022 Sep 1;150(3):e2022056552. doi: 10.1542/peds.2022-056552.PMID: 35768891
11. [An inventory of stroke centers in the United States.](#) Boggs KM, Vogel BT, **Zachrisson KS**, Espinola JA, Faridi MK, **Cash RE**, Sullivan AF, **Camargo CA Jr**. J Am Coll Emerg Physicians Open. 2022 Feb 28;3(2):e12673. doi: 10.1002/emp2.12673. eCollection 2022 Apr.PMID: 3525297
12. [Methods and Implementation of the 2019 EMS Practice Analysis.](#) Panchal AR, Rivard MK, **Cash RE**, Corley JP Jr, Jean-Baptiste M, Chrzan K, Gugiu MR. Prehosp Emerg Care. 2022 Mar-Apr;26(2):212-222. doi: 10.1080/10903127.2020.1856985. Epub 2021 Jan 12.PMID: 33301370
13. [Estimated Population Access to Acute Stroke and Telestroke Centers in the US, 2019.](#) **Zachrisson KS**, **Cash RE**, Adeoye O, Boggs KM, Schwamm LH, Mehrotra A, **Camargo CA Jr**. JAMA Netw Open. 2022 Feb 1;5(2):e2145824. doi: 10.1001/jamanetworkopen.2021.45824.PMID: 35138392
14. [Emergency department visits for vaccine-related severe allergic reactions among US adults: 2006-2018.](#) Arroyo AC, Robinson LB, **Cash RE**, Blumenthal KG, **Camargo CA Jr**. Ann Allergy Asthma Immunol. 2022 Mar;128(3):319-321. doi: 10.1016/j.anai.2021.11.017. Epub 2021 Dec 1.PMID: 34863951
15. [Priorities for Prehospital Evidence-Based Guideline Development: A Modified Delphi Analysis.](#) Richards CT, Fische JN, **Cash RE**, Rivard MK, Brown KM, Martin-Gill C, Panchal AR; Prehospital Guidelines Consortium. Prehosp

Emerg Care. 2022 Mar-Apr;26(2):286-304. doi:
10.1080/10903127.2021.1894276. Epub 2021 Mar 16.PMID: 33625309

16. [Prehospital care for asthma and COPD exacerbations: A review of U.S. state emergency medical services protocols.](#) Peters GA, **Cash RE**, Kolb LM, Goldberg SA, **Camargo CA Jr**. Am J Emerg Med. 2022 Sep;59:192-194. doi: 10.1016/j.ajem.2022.05.015. Epub 2022 May 13.PMID: 35589456
17. [EMS Program Graduates Who Did Not Retest after Initial Attempt on the National Certification Exam.](#) Powell JR, **Cash RE**, Rivard MK, Panchal AR. Prehosp Emerg Care. 2022 Sep-Oct;26(5):664-672. doi: 10.1080/10903127.2021.1943579. Epub 2021 Jul 12.PMID: 3412844
18. [Association between sleep characteristics, ideal cardiovascular health, and systemic inflammation, NHANES 2017-2018.](#) **Cash RE**, Crowe RP, Goldberg SA, Patrick C, Wells-Whitworth LM, Barger LK, **Camargo CA**. J Sleep Res. 2022 Apr;31(2):e13497. doi: 10.1111/jsr.13497. Epub 2021 Oct 2.PMID: 34599632
19. [Neighborhood-level out-of-hospital cardiac arrest risk and the impact of local CPR interventions.](#) **Cash RE**, Nassal M, Keseg D, Panchal AR. Resusc Plus. 2022 Jul 16;11:100274. doi: 10.1016/j.resplu.2022.100274. eCollection 2022 Sep.PMID: 35865217
20. [Measuring without a ruler: Limited data to characterize the relationship between physician assistant/nurse practitioner staffing and emergency department performance.](#) **Temin ES, Samuels-Kalow ME, Cash RE**, Boggs KM, **Camargo CA Jr, Zachrison KS**. J Am Coll Emerg Physicians Open. 2022 Jan 15;3(1):e12617. doi: 10.1002/emp2.12617. eCollection 2022 Feb.PMID: 35072158
21. [Safety and practicality of high dose inhaled nitric oxide in emergency department COVID-19 patients.](#) Strickland B, **Albala L, Coffey EC**, Carroll RW, Zapol WM, Ichinose F, Berra L, **Harris NS**. Am J Emerg Med. 2022 Aug;58:5-8. doi: 10.1016/j.ajem.2022.04.052. Epub 2022 May 4.PMID: 35623183
22. [Patient perceptions of in-home urgent care via mobile integrated health.](#) **Dorner SC**, Wint AJ, Brenner PS, Keefe B, Palmisano J, Iezzoni LI. Am J Manag Care. 2022 Apr;28(4):152-158. doi: 10.37765/ajmc.2022.88859.PMID: 35420743
23. [Fallacy of Median Door-to-ECG Time: Hidden Opportunities for STEMI Screening Improvement.](#) Yiadom MYAB, Gong W, Patterson BW, Baugh CW, Mills AM, Gavin N, Podolsky SR, Salazar G, Mumma BE, Tanski M, Hadley K, Azzo C, **Dorner SC**, Ulintz A, Liu D. J Am Heart Assoc. 2022 May 3;11(9):e024067. doi: 10.1161/JAHA.121.024067. Epub 2022 May 2.PMID: 35492001

24. [Advanced practice providers in academic emergency medicine: A national survey of chairs and program directors.](#) Carpenter CR, Abrams S, Courtney DM, **Dorner SC**, Dyne P, Elia T, Jourdan DN, Kaji AH, Martin IBK, Mills AM, Nagasawa K, Pillow M, Reznick M, Starnes A, **Temin E**, Wolfe R, Chekijian S. Acad Emerg Med. 2022 Feb;29(2):184-192. doi: 10.1111/acem.14424. Epub 2021 Dec 17. PMID: 34860436
25. [Timing of pericardiocentesis and clinical outcomes: Is earlier pericardiocentesis better?](#) **Eke OF**, Selame L, Gullikson J, Deng H, **Dutta S**, **Shokoohi H**. Am J Emerg Med. 2022 Apr;54:202-207. doi: 10.1016/j.ajem.2022.01.062. Epub 2022 Feb 3. PMID: 35176659
26. [Emergency Department-initiated Buprenorphine and Referral to Follow-up Addiction Care: A Program Description.](#) Regan S, Howard S, Powell E, **Martin A**, **Dutta S**, **Hayes BD**, **White BA**, Williamson D, Kehoe L, **Raja AS**, Wakeman SE. J Addict Med. 2022 Mar-Apr 01;16(2):216-222. doi: 10.1097/ADM.0000000000000875. PMID: 3414518
27. [Strategies to minimize heterogeneity and optimize clinical trials in Acute Respiratory Distress Syndrome \(ARDS\): Insights from mathematical modelling.](#) Subudhi S, Voutouri C, Hardin CC, Nikmaneshi MR, Patel AB, Verma A, Khandekar MJ, **Dutta S**, Stylianopoulos T, Jain RK, Munn LL. **EBioMedicine**. 2022 Jan;75:103809. doi: 10.1016/j.ebiom.2021.103809. Epub 2022 Jan 13. PMID: 35033853
28. [Point-of-Care Lung Ultrasound for Differentiating COVID-19 From Influenza.](#) Goldsmith AJ, Al Saud A, Duggan NM, Ma IW, **Huang CK**, **Eke O**, Kapur T, **Kharasch S**, **Liteplo A**, **Shokoohi H**. Cureus. 2022 Jan 11;14(1):e21116. doi: 10.7759/cureus.21116. eCollection 2022 Jan. PMID: 35165573
29. [FcyR-mediated SARS-CoV-2 infection of monocytes activates inflammation.](#) Junqueira C, Crespo Â, Ranjbar S, de Lacerda LB, Lewandrowski M, Ingber J, Parry B, Ravid S, Clark S, Schrimpf MR, Ho F, Beakes C, Margolin J, Russell N, Kays K, Boucau J, Das Adhikari U, Vora SM, Leger V, Gehrke L, Henderson LA, Janssen E, Kwon D, Sander C, Abraham J, Goldberg MB, Wu H, Mehta G, Bell S, Goldfeld AE, **Filbin MR**, Lieberman J. **Nature**. 2022 Jun;606(7914):576-584. doi: 10.1038/s41586-022-04702-4. Epub 2022 Apr 6. PMID: 35385861
30. [Efficacy and safety of two neutralising monoclonal antibody therapies, sotrovimab and BRII-196 plus BRII-198, for adults hospitalised with COVID-19 \(TICO\): a randomised controlled trial.](#) ACTIV-3/Therapeutics for Inpatients with COVID-19 (TICO) Study Group. **Lancet Infect Dis**. 2022 May;22(5):622-635. doi:

10.1016/S1473-3099(21)00751-9. Epub 2021 Dec 23.PMID: 34953520 (***Filbin MR**)

31. [Responses to a Neutralizing Monoclonal Antibody for Hospitalized Patients With COVID-19 According to Baseline Antibody and Antigen Levels : A Randomized Controlled Trial.](#) ACTIV-3/TICO Bamlanivimab Study Group, Lundgren JD, Grund B, Barkauskas CE, Holland TL, Gottlieb RL, Sandkovsky U, Brown SM, Knowlton KU, Self WH, Files DC, Jain MK, Benfield T, Bowdish ME, Leshnowar BG, Baker JV, Jensen JU, Gardner EM, Ginde AA, Harris ES, Johansen IS, Markowitz N, Matthay MA, Østergaard L, Chang CC, Goodman AL, Chang W, Dewar RL, Gerry NP, Higgs ES, Highbarger H, Murray DD, Murray TA, Natarajan V, Paredes R, Parmar MKB, Phillips AN, Reilly C, Rupert AW, Sharma S, Shaw-Saliba K, Sherman BT, Teitelbaum M, Wentworth D, Cao H, Klekotka P, Babiker AG, Davey VJ, Gelijns AC, Kan VL, Polizzotto MN, Thompson BT, Lane HC, Neaton JD. **Ann Intern Med.** 2022 Feb;175(2):234-243. doi: 10.7326/M21-3507. Epub 2021 Dec 21.PMID: 34928698 (***Filbin MR**)
32. [Alveolar, Endothelial, and Organ Injury Marker Dynamics in Severe COVID-19.](#) Leisman DE, Mehta A, Thompson BT, Charland NC, Gonye ALK, Gushterova I, Kays KR, Khanna HK, LaSalle TJ, Lavin-Parsons KM, Lilley BM, Lodenstein CL, Manakongtreecheep K, Margolin JD, McKaig BN, Rojas-Lopez M, Russo BC, Sharma N, Tantivit J, Thomas MF, Parry BA, Villani AC, Sade-Feldman M, Hacohen N, **Filbin MR**, Goldberg MB. **Am J Respir Crit Care Med.** 2022 Mar 1;205(5):507-519. doi: 10.1164/rccm.202106-1514OC.PMID: 34878969
33. [Modeling of Usual Care: Vasopressor Initiation for Sepsis With Hypotension.](#) Prasad V, **Reisner AT**, Lynch JC, **Filbin MR**, Heldt T. *Front Med (Lausanne).* 2022 Mar 11;9:715856. doi: 10.3389/fmed.2022.715856. eCollection 2022.PMID: 35360743
34. [The Kinetics of SARS-CoV-2 Antibody Development Is Associated with Clearance of RNAemia.](#) Wang C, Li Y, Kaplonek P, Gentili M, Fischinger S, Bowman KA, Sade-Feldman M, Kays KR, Regan J, Flynn JP, Goldberg MB, Hacohen N, **Filbin MR**, Lauffenburger DA, Alter G, Li JZ. *mBio.* 2022 Aug 30;13(4):e0157722. doi: 10.1128/mbio.01577-22. Epub 2022 Jun 28.PMID: 35762593
35. [Longitudinal characterization of circulating neutrophils uncovers phenotypes associated with severity in hospitalized COVID-19 patients.](#) LaSalle TJ, Gonye ALK, Freeman SS, Kaplonek P, Gushterova I, Kays KR, Manakongtreecheep K, Tantivit J, Rojas-Lopez M, Russo BC, Sharma N, Thomas MF, Lavin-Parsons KM, Lilly BM, Mckaig BN, Charland NC, Khanna HK, Lodenstein CL, Margolin JD, Blaum EM, Lirofonis PB, Revach OY, Mehta A, Sonny A, Bhattacharyya RP, Parry BA, Goldberg MB, Alter G, **Filbin MR**, Villani AC, Hacohen N, Sade-Feldman M. **Cell Rep Med.** 2022 Sep 26:100779. doi: 10.1016/j.xcrm.2022.100779. Online ahead of print.PMID: 36208629

36. [Clinical decision support improves blood culture collection before intravenous antibiotic administration in the emergency department.](#) **Dutta S**, McEvoy DS, Rubins DM, Dighe AS, **Filbin MR**, Rhee C. J Am Med Inform Assoc. 2022 Sep 12;29(10):1705-1714. doi: 10.1093/jamia/ocac115.PMID: 35877074
37. [Sepsis with liver dysfunction and coagulopathy predicts an inflammatory pattern of macrophage activation.](#) Anderko RR, Gómez H, Canna SW, Shakoory B, Angus DC, Yealy DM, Huang DT, Kellum JA, Carcillo JA; ProCESS Investigators. Intensive Care Med Exp. 2022 Feb 21;10(1):6. doi: 10.1186/s40635-022-00433-y.PMID: 35190900 (***Filbin MR**)
38. [Cerebral Microbleeds and Acute Hematoma Characteristics in the ATACH-2 and MISTIE III Trials.](#) Magid-Bernstein JR, Li Y, Cho SM, Piran PJ, Roh DJ, Gupta A, Shoamanesh A, Merkler A, Zhang C, Avadhani R, Montano N, Iadecola C, Falcone GJ, Sheth KN, Qureshi AI, Rosand J, **Goldstein J**, Awad I, Hanley DF, Kamel H, Ziai WC, Murthy SB. **Neurology**. 2022 Mar 8;98(10):e1013-e1020. doi: 10.1212/WNL.0000000000013247. Epub 2021 Dec 22.PMID: 34937780
39. [Cerebellar atrophy and its implications on gait in cerebral amyloid angiopathy.](#) Horn MJ, Gokcal E, Becker AJ, Das AS, Warren AD; Alzheimer Disease Neuroimaging Initiative, Schwab K, **Goldstein JN**, Biffi A, Rosand J, Polimeni JR, Viswanathan A, Greenberg SM, Gurol ME. **J Neurol Neurosurg Psychiatry**. 2022 May 9:jnnp-2021-328553. doi: 10.1136/jnnp-2021-328553. Online ahead of print.PMID: 35534189
40. [Imaging markers of intracerebral hemorrhage expansion in patients with unclear symptom onset.](#) Morotti A, Boulouis G, Charidimou A, Poli L, Costa P, Giuli V, Leuci E, Mazzacane F, Busto G, Arba F, Brancaleoni L, Giacomozzi S, Simonetti L, Laudisi M, Cavallini A, Gamba M, Magoni M, Cornali C, Fontanella MM, Warren AD, Gurol EM, Viswanathan A, Gasparotti R, Casetta I, Fainardi E, Zini A, Pezzini A, Padovani A, Greenberg SM, Rosand J, **Goldstein JN**. Int J Stroke. 2022 Jan 4:17474930211068662. doi: 10.1177/17474930211068662. Online ahead of print.PMID: 35318878
41. [A targetable 'rogue' neutrophil-subset, \[CD11b+DEspR+\] immunotype, is associated with severity and mortality in acute respiratory distress syndrome \(ARDS\) and COVID-19-ARDS.](#) Herrera VLM, Walkey AJ, Nguyen MQ, Gromisch CM, Mosaddhegi JZ, Gromisch MS, Jundi B, Lukassen S, Carstensen S, Denis R, Belkina AC, Baron RM, Pinilla-Vera M, Mueller M, Kimberly WT, **Goldstein JN**, Lehmann I, Shih AR, Eils R, Levy BD, Ruiz-Opazo N. Sci Rep. 2022 Apr 4;12(1):5583. doi: 10.1038/s41598-022-09343-1.PMID: 35379853
42. [Intensive Blood Pressure Lowering and DWI Lesions in Intracerebral Hemorrhage: Exploratory Analysis of the ATACH-2 Randomized Trial.](#) Shoamanesh A, Cassarly C, Morotti A, Romero JM, Oliveira-Filho J, Schlunk F, Jessel M, Butcher K, Gioia L, Ayres A, Vashkevich A, Schwab K, Afzal MR,

Martin RH, Qureshi AI, Greenberg SM, Rosand J, **Goldstein JN**; ATACH-2 and NETT investigators. Neurocrit Care. 2022 Feb;36(1):71-81. doi: 10.1007/s12028-021-01254-9. Epub 2021 Jul 22.PMID: 34292474

43. [Increased Prognostic Yield by Combined Assessment of Non-Contrast Computed Tomography Markers of Antithrombotic-Related Spontaneous Intracerebral Hemorrhage Expansion.](#) Katsanos AH, Gupta H, Morotti A, Beshara S, Patil T, Al-Zahrani S, Tsivgoulis G, Dowlatshahi D, **Goldstein JN**, Charidimou A, Shoamanesh A. J Clin Med. 2022 Mar 14;11(6):1596. doi: 10.3390/jcm11061596.PMID: 35329922
44. [Clinical and neuroimaging risk factors associated with the development of intracerebral hemorrhage while taking direct oral anticoagulants.](#) Das AS, Gökçal E, Regenhardt RW, Warren AD, Biffi A, **Goldstein JN**, Kimberly WT, Viswanathan A, Schwamm LH, Rosand J, Greenberg SM, Gurol ME. J Neurol. 2022 Aug 23. doi: 10.1007/s00415-022-11333-2. Online ahead of print.PMID: 35997817
45. [Neurocritical Care Performance Measures Derived from Electronic Health Record Data are Feasible and Reveal Site-Specific Variation: A CHoRUS Pilot Project.](#) Ack SE, Loiseau SY, Sharma G, **Goldstein JN**, Lissak IA, Duffy SM, Amorim E, Vespa P, Moorman JR, Hu X, Clermont G, Park S, Kamaleswaran R, Foreman BP, Rosenthal ES. Neurocrit Care. 2022 Aug;37(Suppl 2):276-290. doi: 10.1007/s12028-022-01497-0. Epub 2022 Jun 10.PMID: 35689135
46. [Cost-effectiveness of andexanet alfa versus four-factor prothrombin complex concentrate for the treatment of oral factor Xa inhibitor-related intracranial hemorrhage in the US.](#) Fanikos J, **Goldstein JN**, Lovelace B, Beaubrun AC, Blissett RS, Aragão F. J Med Econ. 2022 Jan-Dec;25(1):309-320. doi: 10.1080/13696998.2022.2042106.PMID: 35168455
47. [Urinary Tract Infections in Children with Vesicoureteral Reflux Are Accompanied by Alterations in Urinary Microbiota and Metabolome Profiles.](#) Vitko D, McQuaid JW, Gheinani AH, **Hasegawa K**, DiMartino S, Davis KH, Chung CY, Petrosino JF, Adam RM, Mansbach JM, Lee RS. Eur Urol. 2022 Feb;81(2):151-154. doi: 10.1016/j.eururo.2021.08.022. Epub 2021 Sep 17.PMID: 34538688
48. [The role of respiratory syncytial virus- and rhinovirus-induced bronchiolitis in recurrent wheeze and asthma-A systematic review and meta-analysis.](#) Makrinioti H, **Hasegawa K**, Lakoumentas J, Xepapadaki P, Tsolia M, Castro-Rodriguez JA, Feleszko W, Jartti T, Johnston SL, Bush A, Papaevangelou V, **Camargo CA Jr**, Papadopoulos NG. Pediatr Allergy Immunol. 2022 Mar;33(3):e13741. doi: 10.1111/pai.13741.PMID: 35338734
49. [Severe bronchiolitis profiles and risk of asthma development in Finnish children.](#) Dumas O, Erkkola R, Bergroth E, **Hasegawa K**, Mansbach JM, Piedra

PA, Jartti T, **Camargo CA Jr**. J Allergy Clin Immunol. 2022 Apr;149(4):1281-1285.e1. doi: 10.1016/j.jaci.2021.08.035. Epub 2021 Oct 5.PMID: 34624392

50. [Late Pre-term Infants with Severe Bronchiolitis and Risk of Asthma by Age 5 Years](#). Mansbach JM, Qi YS, Espinola JA, **Hasegawa K**, Puls HT, Sullivan AF, **Camargo CA Jr**. J Pediatr. 2022 Feb;241:247-250.e1. doi: 10.1016/j.jpeds.2021.09.037. Epub 2021 Sep 29.PMID: 34599916
51. [Proteomics profiling reveals a distinct high-risk molecular subtype of hypertrophic cardiomyopathy](#). Liang LW, Raita Y, **Hasegawa K**, Fifer MA, Maurer MS, Reilly MP, Shimada YJ. Heart. 2022 Mar 29;heartjnl-2021-320729. doi: 10.1136/heartjnl-2021-320729. Online ahead of print.PMID: 35351822
52. [Association of Number of Physician Postgraduate Years With Patient Intubation Outcomes in the Emergency Department](#). Goto T, Oka S, Okamoto H, Hagiwara Y, Watase H, **Hasegawa K**. **JAMA Netw Open**. 2022 Apr 1;5(4):e226622. doi: 10.1001/jamanetworkopen.2022.6622.PMID: 35394517
53. [Metabolome subtyping of severe bronchiolitis in infancy and risk of childhood asthma](#). **Zhu Z**, **Camargo CA Jr**, Raita Y, Fujiogi M, Liang L, Rhee EP, Woodruff PG, **Hasegawa K**. J Allergy Clin Immunol. 2022 Jan;149(1):102-112. doi: 10.1016/j.jaci.2021.05.036. Epub 2021 Jun 10.PMID: 34119532
54. [Proteomics endotyping of infants with severe bronchiolitis and risk of childhood asthma](#). Ooka T, Raita Y, Fujiogi M, Freishtat RJ, Gerszten RE, Mansbach JM, **Zhu Z**, **Camargo CA Jr**, **Hasegawa K**. Allergy. 2022 May 27. doi: 10.1111/all.15390. Online ahead of print.PMID: 35620861
55. [Identifying and predicting severe bronchiolitis profiles at high risk for developing asthma: Analysis of three prospective cohorts](#). Fujiogi M, Dumas O, **Hasegawa K**, Jartti T, **Camargo CA**. **EClinicalMedicine**. 2022 Jan 4;43:101257. doi: 10.1016/j.eclinm.2021.101257. eCollection 2022 Jan.PMID: 35028545
56. [Machine Learning Approaches for Predicting Difficult Airway and First-Pass Success in the Emergency Department: Multicenter Prospective Observational Study](#). Yamanaka S, Goto T, Morikawa K, Watase H, Okamoto H, Hagiwara Y, **Hasegawa K**. Interact J Med Res. 2022 Jan 25;11(1):e28366. doi: 10.2196/28366.PMID: 35076398
57. [Comprehensive Proteomics Profiling Identifies Patients With Late Gadolinium Enhancement on Cardiac Magnetic Resonance Imaging in the Hypertrophic Cardiomyopathy Population](#). Lander BS, Zhao Y, **Hasegawa K**, Maurer MS, Tower-Rader A, Fifer MA, Reilly MP, Shimada YJ. Front Cardiovasc Med. 2022 Jun 17;9:839409. doi: 10.3389/fcvm.2022.839409. eCollection 2022.PMID: 35783832

58. [Association of Growth Trajectory Profiles with Asthma Development in Infants Hospitalized with Bronchiolitis.](#) Nanishi M, Fujiogi M, Stevenson M, Liang L, Qi YS, Raita Y, **Hasegawa K, Camargo CA Jr.** J Allergy Clin Immunol Pract. 2022 Mar;10(3):723-731.e5. doi: 10.1016/j.jaip.2021.11.001. Epub 2021 Nov 14.PMID: 34788659
59. [Association Between Repeated Tracheal Intubation Attempts and Adverse Events in Children in the Emergency Department.](#) Funakoshi H, Kunitani Y, Goto T, Okamoto H, Hagiwara Y, Watase H, **Hasegawa K**; Japanese Emergency Medicine Network Investigators. Pediatr Emerg Care. 2022 Feb 1;38(2):e563-e568. doi: 10.1097/PEC.0000000000002356.PMID: 35100759
60. [Association of Simulation Participation With Diagnostic Reasoning Scores in Preclinical Students.](#) **Hayden EM**, Petrusa E, Sherman A, Feinstein DM, Khoury K, Krupat E, Pawlowski J, Oriol NE, Smithedajkul PY, Venkatan SK, **Gordon JA.** Simul Healthc. 2022 Feb 1;17(1):35-41. doi: 10.1097/SIH.0000000000000589.PMID: 34120136
61. [Association of Emergency Department Payer Mix with ED Receipt of Telehealth Services: An Observational Analysis.](#) **Zachrisson KS, Samuels-Kalow ME**, Boggs KM, Li S, **Hayden EM, Camargo CA Jr.** West J Emerg Med. 2022 Jan 31;23(2):141-144. doi: 10.5811/westjem.2021.9.53014.PMID: 35302445
62. [Emergency Departments' Uptake of Telehealth for Stroke Versus Pediatric Care: Observational Study.](#) **Zachrisson KS, Hayden EM**, Boggs KM, Boyle TP, Gao J, **Samuels-Kalow ME**, Marcin JP, **Camargo CA Jr.** J Med Internet Res. 2022 Jun 20;24(6):e33981. doi: 10.2196/33981.PMID: 35723927
63. [Assessing Clinical Skills Via Telehealth Objective Standardized Clinical Examination: Feasibility, Acceptability, Comparability, and Educational Value.](#) Farrell SE, Junkin AR, **Hayden EM.** Telemed J E Health. 2022 Feb;28(2):248-257. doi: 10.1089/tmj.2021.0094. Epub 2021 May 17.PMID: 3399971
64. [Impact of marijuana legalization on cannabis-related visits to the emergency department.](#) Tolan NV, Terebo T, Chai PR, Erickson TB, **Hayes BD**, Uljon SN, Petrides AK, Demetriou CA, Melanson SEF. Clin Toxicol (Phila). 2022 May;60(5):585-595. doi: 10.1080/15563650.2021.2012576. Epub 2021 Dec 22.PMID: 3493556
65. [Continuation of outpatient buprenorphine therapy after dispensing Buprenorphine-Naloxone from the emergency department.](#) Krenz JR, **Hayes BD**, Wakeman SE, **Martin A, Raja AS, White BA**, Koehl JL.Clin Toxicol (Phila). 2022 Apr;60(4):429-432. doi: 10.1080/15563650.2021.1968421. Epub 2021 Aug 19.PMID: 34409916
66. [Use of antipsychotic and sedative medications in older patients in the emergency department.](#) **Kennedy M**, Koehl J, Gao J, Ciampa KA, **Hayes BD**,

Camargo CA Jr. J Am Geriatr Soc. 2022 Mar;70(3):731-742. doi: 10.1111/jgs.17590. Epub 2021 Nov 25. PMID: 34820831

67. [Disease consequences of higher adiposity uncoupled from its adverse metabolic effects using Mendelian randomisation.](#) Martin S, Tyrrell J, Thomas EL, Bown MJ, Wood AR, Beaumont RN, Tsoi LC, Stuart PE, Elder JT, Law P, Houlston R, **Kabrhel C**, Papadimitriou N, Gunter MJ, Bull CJ, Bell JA, Vincent EE, Sattar N, Dunlop MG, Tomlinson IPM, Lindström S; INVENT consortium, Bell JD, Frayling TM, Yaghootkar H. Elife. 2022 Jan 25;11:e72452. doi: 10.7554/eLife.72452. PMID: 35074047
68. [Interhospital Transfer for the Management of Acute Pulmonary Embolism.](#) Carroll BJ, Beyer SE, Shanafelt C, **Kabrhel C**, Rali P, Rivera-Lebron B, Rosovsky R, Ross CB, Pinto DS, Secemsky EA. Am J Med. 2022 Apr;135(4):531-535. doi: 10.1016/j.amjmed.2021.11.015. Epub 2021 Dec 24. PMID: 34954228
69. [Predicting factors for pulmonary embolism response team activation in a general pulmonary embolism population.](#) Mortensen CS, Kramer A, Schultz JG, Giordano N, Zheng H, Andersen A, Nielsen-Kudsk JE, **Kabrhel C**. J Thromb Thrombolysis. 2022 Feb;53(2):506-513. doi: 10.1007/s11239-021-02533-0. Epub 2021 Aug 9. PMID: 34370168
70. [Oral postmenopausal hormone therapy and genetic risk on venous thromboembolism: gene-hormone interaction results from a large prospective cohort study.](#) Kim J, Bhupathiraju SN, Harrington LB, Hagan KA, Lindström S, Manson JE, Kraft P, **Kabrhel C**. Menopause. 2022 Jan 10;29(3):293-303. doi: 10.1097/GME.0000000000001924. PMID: 35013060
71. [Association Between Baseline Use of Angiotensin-Converting Enzyme Inhibitors and Angiotensin Receptor Blockers and Death Among Patients Tested for COVID-19.](#) Thomas SA, Puskarich M, Pulia MS, Meltzer AC, **Camargo CA**, Courtney DM, Nordenholz KE, Kline JA, **Kabrhel C**. J Clin Pharmacol. 2022 Jun;62(6):777-782. doi: 10.1002/jcph.2015. Epub 2022 Feb 8. PMID: 34921684
72. [SARS-CoV-2 Positivity in Ambulatory Symptomatic Patients Is Not Associated With Increased Venous or Arterial Thrombotic Events in the Subsequent 30 Days.](#) Thoppil JJ, Courtney DM, McDonald S, **Kabrhel C**, Nordenholz KE, **Camargo CA Jr**, Kline JA. J Emerg Med. 2022 Jun;62(6):716-724. doi: 10.1016/j.jemermed.2021.12.020. Epub 2022 Jan 17. PMID: 35177286
73. [Can we improve delirium prevention and treatment in the emergency department? A systematic review.](#) Lee S, Chen H, Hibino S, Miller D, Healy H, Lee JS, Arendts G, Han JH, **Kennedy M**, Carpenter CR. J Am Geriatr Soc. 2022 Jun;70(6):1838-1849. doi: 10.1111/jgs.17740. Epub 2022 Mar 11. PMID: 35274738

74. [Reach and Adoption of a Geriatric Emergency Department Accreditation Program in the United States.](#) **Kennedy M**, Lesser A, Israni J, Liu SW, Santangelo I, Tidwell N, Southerland LT, Carpenter CR, Biese K, Ahmad S, Hwang U. *Ann Emerg Med.* 2022 Apr;79(4):367-373. doi: 10.1016/j.annemergmed.2021.06.013. Epub 2021 Aug 11.PMID: 34389196
75. [Evaluating older adults with cognitive dysfunction: A qualitative study with emergency clinicians.](#) Chary AN, Castilla-Ojo N, Joshi C, Santangelo I, Carpenter CR, Ouchi K, Naik AD, Liu SW, **Kennedy M**. *J Am Geriatr Soc.* 2022 Feb;70(2):341-351. doi: 10.1111/jgs.17581. Epub 2021 Dec 6.PMID: 34796476
76. [Early versus late enteral nutrition in critically ill patients receiving vasopressor support.](#) Dorken Gallastegi A, Gebran A, Gaitanidis A, Naar L, Hwabejire JO, Parks J, **Lee J**, Kaafarani HMA, Velmahos GC, Mendoza AE. *JPEN J Parenter Enteral Nutr.* 2022 Jan;46(1):130-140. doi: 10.1002/jpen.2266. Epub 2021 Oct 21.PMID: 34599785
77. [The "July Effect" in the intensive care units revisited: A bi-institutional 6-year experience of 57,160 patients.](#) Naar L, Gallastegi AD, Seethala RR, Renne BC, Billington ME, Kannikal J, Kaafarani HMA, **Lee J**. *World J Emerg Med.* 2022;13(3):215-218. doi: 10.5847/wjem.j.1920-8642.2022.039.PMID: 35646204
78. [Intensive Care Unit Volume of Sepsis Patients Does Not Affect Mortality: Results of a Nationwide Retrospective Analysis.](#) Naar L, Hechi MWE, Gallastegi AD, Renne BC, Fawley J, Parks JJ, Mendoza AE, Saillant NN, Velmahos GC, Kaafarani HMA, **Lee J**. *J Intensive Care Med.* 2022 Jun;37(6):728-735. doi: 10.1177/08850666211024184. Epub 2021 Jul 7.PMID: 34231406
79. [Let the EHR Talk Loudly: An EHR-Connected Verbal Surgical Safety Checklist for Medical Procedures in the Intensive Care Unit.](#) Uppot RN, Yu AYC, Samadi K, Pino RM, **Lee J**. *J Patient Saf.* 2022 Jan 1;18(1):e136-e139. doi: 10.1097/PTS.0000000000000713.PMID: 32569096
80. [Enteral nutrition is associated with high rates of pneumonia in intensive care unit \(ICU\) patients with acute pancreatitis.](#) Gaitanidis A, Breen K, Mendoza A, Fawley J, **Lee J**, Parks J, Kaafarani HMA, Velmahos G, Fagenholz PJ. *J Crit Care.* 2022 Jun;69:154012. doi: 10.1016/j.jcrc.2022.154012. Epub 2022 Feb 23.PMID: 35217369
81. [Hospital Academic Status and the Volume-Outcome Association in Postoperative Patients Requiring Intensive Care: Results of a Nationwide Analysis of Intensive Care Units in the United States.](#) Naar L, Maurer LR, Dorken Gallastegi A, El Hechi MW, Rao SR, Coughlin C, Ebrahim S, Kadambi A, Mendoza AE, Saillant NN, Renne BCB, Velmahos GC, Kaafarani HMA, **Lee J**. *J Intensive Care Med.* 2022 Apr 19:8850666221094506. doi: 10.1177/08850666221094506. Online ahead of print.PMID

82. [Perception of Older Thai Adults in a Do-Not-Attempt Resuscitation Order during the COVID-19 Era If Infected with COVID-19.](#) Sri-On J, Wongthanasit P, Paksopis T, **Liu SW**, Rojtangkom K, Ruangsiri R. Palliat Med Rep. 2022 Jun 21;3(1):107-115. doi: 10.1089/pmr.2021.0084. eCollection 2022.PMID: 35919382
83. [Impact of Teamwork and Communication Training Interventions on Safety Culture and Patient Safety in Emergency Departments: A Systematic Review.](#) Alsabri M, Boudi Z, Lauque D, Dias RD, Whelan JS, Östlundh L, Alinier G, Onyeji C, Michel P, **Liu SW**, Jr Camargo CA, Lindner T, Slagman A, Bates DW, Tazarourte K, Singer SJ, Toussi A, Grossman S, Bellou A. J Patient Saf. 2022 Jan 1;18(1):e351-e361. doi: 10.1097/PTS.0000000000000782.PMID: 33890752
84. [Community-Based, Rapid HIV Screening and Pre-Exposure Prophylaxis Initiation: Findings From a Pilot Program.](#) Schaffer DH, Sawczuk LM, Zheng H, **Macias-Konstantopoulos WL**. Cureus. 2022 Jan 2;14(1):e20877. doi: 10.7759/cureus.20877. eCollection 2022 Jan.PMID: 35145784
85. [Development and validation of a data quality index for forensic documentation of sexual and gender-based violence in Kenya.](#) Olson RM, **Macias-Konstantopoulos W**, Muchai R, Johnson K, Mishori R, Nelson B. PLoS One. 2022 Jan 27;17(1):e0262297. doi: 10.1371/journal.pone.0262297. eCollection 2022.PMID: 35085290
86. [A pilot mixed-methods randomized controlled trial of verbal versus electronic screening for adverse social determinants of health.](#) **Macias-Konstantopoulos W**, Ciccolo G, Muzikansky A, **Samuels-Kalow M**. J Am Coll Emerg Physicians Open. 2022 Feb 15;3(1):e12678. doi: 10.1002/emp2.12678. eCollection 2022 Feb.PMID: 35224551
87. [Multiple Cardiac Biomarker Testing Among Patients With Acute Dyspnea From the ICON-RELOADED Study.](#) Abboud A, Kui N, Gaggin HK, Ibrahim NE, Chen-Tournoux AA, Christenson RH, Hollander JE, Levy PD, **Nagurney JT**, Nowak RM, Pang PS, Peacock WF, Walters EL, Januzzi JL. J Card Fail. 2022 Feb;28(2):226-233. doi: 10.1016/j.cardfail.2021.08.025. Epub 2021 Oct 9.PMID: 34634446
88. [Bilingual diabetes workshop to improve Latinx care.](#) Ortega P, Iniguez R, **Park YS**, Girotti JA. Clin Teach. 2022 Apr;19(2):155-161. doi: 10.1111/tct.13457. Epub 2022 Jan 9.PMID: 35001549
89. [Colonoscope retraction technique and predicting adenoma detection rate: a multicenter study.](#) Vilmann AS, Svendsen MBS, Lachenmeier C, Søndergaard B, Vilmann P, **Park YS**, Svendsen LB, Konge L. Gastrointest Endosc. 2022 May;95(5):1002-1010. doi: 10.1016/j.gie.2021.12.026. Epub 2022 Jan 1.PMID: 34979117

90. [Student well-being during dedicated preparation for USMLE Step 1 and COMLEX Level 1 exams.](#) Tackett S, Jeyaraju M, Moore J, Hudder A, Yingling S, **Park YS**, Grichanik M. BMC Med Educ. 2022 Jan 4;22(1):16. doi: 10.1186/s12909-021-03055-2.PMID: 34983481
91. [Impact of a Virtual Professional Development Coaching Program on the Professional Fulfillment and Well-Being of Women Surgery Residents: A Randomized Controlled Trial.](#) Palamara K, McKinley SK, Chu JT, Merrill A, Yu L, Parangi S, Makowski MS, **Park YS**, Donelan K, Stein SL. **Ann Surg**. 2022 Jun 29. doi: 10.1097/SLA.0000000000005562. Online ahead of print.PMID: 35766397
92. [Workplace-Based Entrustment Scales for the Core EPAs: A Multisite Comparison of Validity Evidence for Two Proposed Instruments Using Structured Vignettes and Trained Raters.](#) Ryan MS, Khan AR, **Park YS**, Chastain C, Phillipi C, Santen SA, Barron BA, Obeso V, Yingling SL; Core Entrustable Professional Activities for Entering Residency Pilot Program. Acad Med. 2022 Apr 1;97(4):544-551. doi: 10.1097/ACM.0000000000004222.PMID: 3419272
93. [Prior histories of posttraumatic stress disorder and major depression and their onset and course in the three months after a motor vehicle collision in the AURORA study.](#) Joormann J, Ziobrowski HN, King AJ, Gildea SM, Lee S, Sampson NA, House SL, Beaudoin FL, An X, Stevens JS, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Musey PI Jr, Hendry PL, Sheikh S, Jones CW, Punches BE, McGrath ME, Hudak LA, Pascual JL, Seamon MJ, Chang AM, Pearson C, **Peak DA**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Miller MW, Pietrzak RH, Barch DM, Pizzagalli DA, Harte SE, Elliott JM, Koenen KC, McLean SA, Kessler RC. *Depress Anxiety*. 2022 Jan;39(1):56-70. doi: 10.1002/da.23223. Epub 2021 Nov 15.PMID: 34783142
94. [Neurocognition after motor vehicle collision and adverse post-traumatic neuropsychiatric sequelae within 8 weeks: Initial findings from the AURORA study.](#) Germine LT, Joormann J, Passell E, Rutter LA, Scheuer L, Martini P, Hwang I, Lee S, Sampson N, Barch DM, House SL, Beaudoin FL, An X, Stevens JS, Zeng D, Linnstaedt SD, Jovanovic T, Clifford GD, Neylan TC, Rauch SL, Lewandowski C, Hendry PL, Sheikh S, Storrow AB, Musey PI, Jones CW, Punches BE, McGrath ME, Pascual JL, Mohiuddin K, Pearson C, **Peak DA**, Domeier RM, Bruce SE, Rathlev NK, Sanchez LD, Pietrzak RH, Pizzagalli DA, Harte SE, Elliott JM, Koenen KC, Ressler KJ, McLean SA, Kessler RC. *J Affect Disord*. 2022 Feb 1;298(Pt B):57-67. doi: 10.1016/j.jad.2021.10.104. Epub 2021 Nov 17.PMID: 34800569
95. [Facemasks: Perceptions and use in an ED population during COVID-19.](#) Eswaran V, Chang AM, Wilkerson RG, O'Laughlin KN, Chinnock B, Eucker SA, Baumann BM, Anaya N, Miller DG, Haggins AN, Torres JR, Anderson ES, Lim SC, Caldwell MT, **Raja AS**, Rodriguez RM; REVVED-UP Investigators. *PLoS*

One. 2022 Apr 13;17(4):e0266148. doi: 10.1371/journal.pone.0266148.
eCollection 2022.PMID: 3541750

96. [Upper extremity fractures due to intimate partner violence versus accidental causes.](#) Khurana B, **Raja A**, Dyer GSM, Seltzer SE, Boland GW, Harris MB, Tornetta P, Loder RT. Emerg Radiol. 2022 Feb;29(1):89-97. doi: 10.1007/s10140-021-01972-9. Epub 2021 Oct 9.PMID: 34626284
97. [Omphalitis and Concurrent Serious Bacterial Infection.](#) Kaplan RL, Cruz AT, Freedman SB, Smith K, Freeman J, Lane RD, Michelson KA, Marble RD, Middelberg LK, Bergmann KR, McAneney C, Noorbakhsh KA, Pruitt C, Shah N, Badaki-Makun O, Schnadower D, Thompson AD, Blackstone MM, Abramo TJ, Srivastava G, Avva U, **Samuels-Kalow M**, Morientes O, Kannikeswaran N, Chaudhari PP, Strutt J, Vance C, Haines E, Khanna K, Gerard J, Bajaj L. Pediatrics. 2022 May 1;149(5):e2021054189. doi: 10.1542/peds.2021-054189.PMID: 35441224
98. [Female emergency physician workforce in the United States, 2020.](#) Bennett CL, Espinola JA, Sullivan AF, Clay CE, **Samuels-Kalow ME**, **Camargo CA Jr.** Am J Emerg Med. 2022 Feb;52:255-259. doi: 10.1016/j.ajem.2021.04.003. Epub 2021 Apr 9.PMID: 33863559
99. [Association of Elementary School Reopening Status and County COVID-19 Incidence.](#) Michelson KA, **Samuels-Kalow ME.** Acad Pediatr. 2022 May-Jun;22(4):667-670. doi: 10.1016/j.acap.2021.09.006. Epub 2021 Sep 20.PMID: 34547519
100. [Acute Care Utilization and Health Care Expenditures in Medicaid-Enrolled Children.](#) Masonbrink AR, Richardson T, Goyal MK, Hall M, Reed JL, Alpern ER, **Samuels-Kalow ME**, Neuman MI. Pediatr Emerg Care. 2022 Jan 1;38(1):e132-e137. doi: 10.1097/PEC.0000000000002173.PMID: 32541405
101. ["A Catch-22": A Firsthand Account of Barriers and Facilitators to Accessing Health Care During Reentry.](#) Khatri UG, Bilger A, Zeidan A, Meisel Z, Delgado MK, **Samuels-Kalow M**, South E. J Correct Health Care. 2022 Apr;28(2):109-116. doi: 10.1089/jchc.20.01.0001. Epub 2022 Mar 3.PMID: 35244474
102. [Change in Emergency Medical Services-Attended Out-of-Hospital Deliveries during COVID-19 in the United States.](#) **Cash RE**, Kaimal AJ, Clapp MA, **Samuels-Kalow ME**, **Camargo CA Jr.** Prehosp Emerg Care. 2022 May 23:1-7. doi: 10.1080/10903127.2022.2074179. Online ahead of print.PMID: 35510878
103. [The relationship between stroke system organization and disparities in access to stroke center care in California.](#) Zachrisson KS, **Samuels-Kalow ME**, Li S, Yan Z, Reeves MJ, Hsia RY, Schwamm LH, Camargo CA Jr. J Am Coll Emerg

Physicians Open. 2022 Mar 14;3(2):e12706. doi: 10.1002/emp2.12706.
eCollection 2022 Apr.PMID: 35316966

104. [Barriers and facilitators to pediatric telehealth use in English- and Spanish-speaking families: A qualitative study.](#) **Samuels-Kalow ME**, Chary AN, Ciccolo G, Apro A, Danaher F, Lambert R, Camargo CA Jr, Zachrison KS. J Telemed Telecare. 2022 Jan 24;1357633X211070725. doi: 10.1177/1357633X211070725. Online ahead of print.PMID: 35072550
105. [Analysis of Racial and Ethnic Diversity of Population Served and Imaging Used in US Children's Hospital Emergency Departments.](#) **Samuels-Kalow ME**, De Souza HG, Neuman MI, Alpern E, Marin JR, Hoffmann J, Hall M, Aronson PL, Peltz A, Wells J, Gutman CK, Simon HK, Shanahan K, Goyal MK. **JAMA Netw Open**. 2022 Jun 1;5(6):e2213951. doi: 10.1001/jamanetworkopen.2022.13951.PMID: 35653156
106. [Sources of Variation in the Carbon Footprint of Hemodialysis Treatment.](#) Sehgal AR, **Slutzman JE**, Huml AM. J Am Soc Nephrol. 2022 Jun 2;33(9):1790-5. doi: 10.1681/ASN.2022010086. Online ahead of print.PMID: 35654600
107. [Waste audits in healthcare: A systematic review and description of best practices.](#) **Slutzman JE**, Bockius H, Gordon IO, Greene HC, Hsu S, Huang Y, Lam MH, Roberts T, Thiel CL. Waste Manag Res. 2022 Jun 2;734242X221101531. doi: 10.1177/0734242X221101531. Online ahead of print.PMID: 35652693
108. [Legislation Increased Medicare Telestroke Billing, But Underbilling And Erroneous Billing Remain Common.](#) Wilcock AD, Schwamm LH, Zubizarreta JR, **Zachrison KS**, Uscher-Pines L, Majersik JJ, Richard JV, Mehrotra A. Health Aff (Millwood). 2022 Mar;41(3):350-359. doi: 10.1377/hlthaff.2021.00791.PMID: 3525493
109. [Improving Population Access to Stroke Expertise Via Telestroke: Hospitals to Target and the Potential Clinical Benefit.](#) Richard JV, Mehrotra A, Schwamm LH, Wilcock AD, Uscher-Pines L, Majersik JJ, **Zachrison KS**. J Am Heart Assoc. 2022 Apr 19;11(8):e025559. doi: 10.1161/JAHA.122.025559. Epub 2022 Apr 18.PMID: 3543501
110. [Association Between Telepsychiatry Capability and Treatment of Patients With Mental Illness in the Emergency Department.](#) Patel SY, Huskamp HA, Barnett ML, Zubizarreta JR, **Zachrison KS**, Busch AB, Wilcock AD, Mehrotra A. Psychiatr Serv. 2022 Apr 1;73(4):403-410. doi: 10.1176/appi.ps.202100145. Epub 2021 Aug 19.PMID: 34407629
111. [Influence of Hospital Characteristics on Hospital Transfer Destinations for Patients With Stroke.](#) **Zachrison KS**, Amati V, Schwamm LH, Yan Z, Nielsen V, Christie A, Reeves MJ, Sauser JP, Lomi A, Onnela JP. Circ Cardiovasc Qual

Outcomes. 2022 May;15(5):e008269. doi:
10.1161/CIRCOUTCOMES.121.008269. Epub 2022 Apr 4.PMID: 35369714

112. [Emergency Medical Service Time Intervals for Patients With Suspected Stroke in the United States.](#) **Cash RE**, Boggs KM, Richards CT, **Camargo CA Jr**, **Zachrisson KS**. Stroke. 2022 Mar;53(3):e75-e78. doi:
10.1161/STROKEAHA.121.037509. Epub 2022 Feb 3.PMID: 35109679
113. [Emergency Medical Services Prenotification is Associated with Reduced Odds of In-Hospital Mortality in Stroke Patients.](#) Nielsen VM, Song G, DeJoie-Stanton C, **Zachrisson KS**. Prehosp Emerg Care. 2022 May 31:1-7. doi:
10.1080/10903127.2022.2079784. Online ahead of print.PMID: 35583481
114. [Integration of Regional Hospitalizations, Registry and Vital Statistics Data for Development of a Single Statewide Ischemic Stroke Database.](#) Yan Z, Nielsen V, Song G, Christie A, Schwamm LH, **Zachrisson KS**. J Stroke Cerebrovasc Dis. 2022 Mar;31(3):106236. doi:
10.1016/j.jstrokecerebrovasdis.2021.106236. Epub 2021 Dec 23.PMID: 34954597
115. [Fine Particulate Matter Induces Childhood Asthma Attacks via Extracellular Vesicle-Packaged Let-7i-5p-Mediated Modulation of the MAPK Signaling Pathway.](#) Zheng R, Du M, Tian M, **Zhu Z**, Wei C, Chu H, Gan C, Liang J, Xue R, Gao F, Mao Z, Wang M, Zhang Z. Adv Sci (Weinh). 2022 Jan;9(3):e2102460. doi: 10.1002/advs.202102460. Epub 2021 Nov 23.PMID: 34816611
116. [Genomic correlation, shared loci, and causal relationship between obesity and polycystic ovary syndrome: a large-scale genome-wide cross-trait analysis.](#) Liu Q, **Zhu Z**, Kraft P, Deng Q, Stener-Victorin E, Jiang X. BMC Med. 2022 Feb 11;20(1):66. doi: 10.1186/s12916-022-02238-y.PMID: 35144605

OTHER PEER-REVIEWED SCHOLARSHIP

1. [Primary palliative care recommendations for critical care clinicians.](#) Ito K, George N, Wilson J, Bowman J, **Aaronson E**, Ouchi K. J Intensive Care. 2022 Apr 15;10(1):20. doi: 10.1186/s40560-022-00612-9.PMID: 35428371
2. [Telemedicine Use in Disasters: A Scoping Review.](#) Litvak M, Miller K, Boyle T, Bedenbaugh R, Smith C, Meguerdichian D, Reisman D, **Biddinger P**, Licurse A, Goralnick E. Disaster Med Public Health Prep. 2022 Apr;16(2):791-800. doi: 10.1017/dmp.2020.473. Epub 2021 Mar 10.PMID: 33750505
3. [The Evolution of the National Special Pathogen System of Care.](#) Mukherjee V, Sauer LM, Mehta AK, Shea SY, **Biddinger PD**, Carr BG, Evans LE, Schwedhelm S, Lowe JJ, Lowe JJ. Health Secur. 2022 Jun;20(S1):S39-S48. doi: 10.1089/hs.2022.0026. Epub 2022 May 18.PMID: 35587214
4. [The Evolution of the National Special Pathogen System of Care.](#) Mukherjee V, Sauer LM, Mehta AK, Shea SY, **Biddinger PD**, Carr BG, Evans LE, Schwedhelm S, Lowe JJ, Lowe JJ. Health Secur. 2022 Jun;20(S1):S39-S48. doi: 10.1089/hs.2022.0026. Epub 2022 May 18.PMID: 35587214
5. [FIGO recommendations on the management of postpartum hemorrhage 2022.](#) Escobar MF, Nassar AH, Theron G, Barnea ER, Nicholson W, Ramasauskaite D, Lloyd I, Chandrabaran E, Miller S, **Burke T**, Ossanan G, Andres Carvajal J, Ramos I, Hincapie MA, Loaiza S, Nasner D; FIGO Safe Motherhood and Newborn Health Committee. Int J Gynaecol Obstet. 2022 Mar;157 Suppl 1(Suppl 1):3-50. doi: 10.1002/ijgo.14116.PMID: 35297039
6. [The Role of Cetirizine in the Changing Landscape of IV Antihistamines: A Narrative Review.](#) Blaiss MS, Bernstein JA, Kessler A, Pines JM, **Camargo CA Jr**, Fulgham P, Haumschild R, Rupp K, Tyler T, Moellman J. Adv Ther. 2022 Jan;39(1):178-192. doi: 10.1007/s12325-021-01999-x. Epub 2021 Dec 4.PMID: 34862952
7. [Asian American Patients With Allergic Diseases: Considerations for Research and Clinical Care.](#) Chen M, Feng C, Liu AY, Zhu L, **Camargo CA Jr**, Arroyo AC. J Allergy Clin Immunol Pract. 2022 Apr;10(4):950-952. doi: 10.1016/j.jaip.2022.01.031.PMID: 35397816
8. [New-Onset Pediatric Diabetes Complicated By Diabetic Ketoacidosis and Invasive Rhinocerebral Mucormycosis With Internal Carotid Artery Occlusion.](#) Mahan KM, Molina MF, **Coffey ECC**, Manchanda ECC. J Emerg Med. 2022 Jan;62(1):95-100. doi: 10.1016/j.jemermed.2021.07.024. Epub 2021 Sep 9.PMID: 34509337
9. [Acute home-based care for patients with cancer to avoid, substitute, and follow emergency department visits: a conceptual framework using Porter's Five Forces.](#) Baugh CW, **Dorner SC**, Levine DM, Handley NR, Mooney KH. Emerg

Cancer Care. 2022;1(1):8. doi: 10.1186/s44201-022-00008-3. Epub 2022 Jul 1.PMID: 35844665

10. [A Case of Bleeding During Infection With COVID-19](#). Lowe PP, **Egan DJ**, **Wilcox SR**, Wittels KA. J Emerg Med. 2022 Apr;62(4):575-578. doi: 10.1016/j.jemermed.2021.10.040. Epub 2021 Oct 30.PMID: 35063317
11. [Emergency care of LGBTQIA+ patients requires more than understanding the acronym](#). Hsiang E, Ritchie AM, Lall MD, Driver L, Moll J, Sonn B, Totten VY, Williams DB, McGregor AJ, **Egan DJ**. AEM Educ Train. 2022 Jun 23;6(Suppl 1):S52-S56. doi: 10.1002/aet2.10750. eCollection 2022 Jun.PMID: 35783082
12. [Block by block: Building on our knowledge to better care for LGBTQIA+ patients](#). Driver L, **Egan DJ**, Hsiang E, Lall MD, Moll J, Ritchie AM, Sonn BJ, Totten VY, Williams DB, McGregor AJ. AEM Educ Train. 2022 Jun 23;6(Suppl 1):S57-S63. doi: 10.1002/aet2.10755. eCollection 2022 Jun.PMID: 35783077
13. [Reply to Akin *et al.*: High Renin Concentrations in Severe COVID-19 Are Indicative for a Hypo-Renin-Angiotensin-System State](#). Leisman DE, Mehta A, Thompson BT, Hachohen N, **Filbin MR**, Goldberg MB. Am J Respir Crit Care Med. 2022 May 15;205(10):1253-1254. doi: 10.1164/rccm.202202-0292LE.PMID: 35348420
14. [Spontaneous subarachnoid hemorrhage: a best-practice approach to identification and management in the ED](#). Cadena R, Aisiku I, Edlow JA, **Goldstein J**, Thomas LE. Emerg Med Pract. 2022 Feb 15;24(Suppl 2):1-54.PMID: 35234434
15. [Role of nasal microbiota and host response in infants with respiratory syncytial virus infection: Causal questions about respiratory outcomes](#). **Hasegawa K**, **Camargo CA Jr**, Mansbach JM. J Allergy Clin Immunol. 2022 Mar;149(3):898-900. doi: 10.1016/j.jaci.2021.12.758. Epub 2021 Dec 11.PMID: 34906573
16. [Crossing the Virtual Chasm: Practical Considerations for Rethinking Curriculum, Competency, and Culture in the Virtual Care Era](#). Bolster MB, Chandra S, Demaerschalk BM, Esper CD, Genkins JZ, **Hayden EM**, Tan-McGrory A, Schwamm LH; Virtual Care and Medical Educator Group. Acad Med. 2022 Jun 1;97(6):839-846. doi: 10.1097/ACM.0000000000004660. Epub 2022 Mar 8.PMID: 35263303
17. [The liver emoji](#). Balk A, **Lee J**, Renne C, **He S**. Hepatology. 2022 May;75(5):1073-1074. doi: 10.1002/hep.32261. Epub 2021 Dec 22.PMID: 34860429
18. [The Case for a Kidney Emoji](#). Seethapathy H, Beach J, Gillcrist M, Conway PT, Teakell J, **Lee J**, Vlasschaert C, **He S**, Lerma E. Am J Kidney Dis.

2022 Aug;80(2):155-157. doi: 10.1053/j.ajkd.2022.03.012. Epub 2022 May 2.PMID: 35513182

19. [Looking back on forward-looking COVID models.](#) Chong P, Yoon BJ, Lai D, Carlson M, **Lee J, He S.** Patterns (N Y). 2022 Mar 22;3(7):100492. doi: 10.1016/j.patter.2022.100492. eCollection 2022 Jul 8.PMID: 35845843
20. [Physician and first responder collaborations to ease personal protective equipment shortages.](#) **He S,** Ivkovic V, Friedstat J, **Lee J.** Am J Emerg Med. 2022 May;55:213. doi: 10.1016/j.ajem.2021.06.054. Epub 2021 Jun 29.PMID: 34229941
21. [Methodological Guidelines for Systematic Assessments of Health Care Websites Using Web Analytics: Tutorial.](#) Fundingsland EL Jr, Fike J, Calvano J, Beach J, Lai D, **He S.** J Med Internet Res. 2022 Apr 15;24(4):e28291. doi: 10.2196/28291.PMID: 35436216
22. [Advanced practice providers proficiency-based model of ultrasound training and practice in the ED.](#) **Huang C,** Morone C, Parente J, Taylor S, Springer C, Doyle P, **Temin E, Shokoohi H, Liteplo A.** J Am Coll Emerg Physicians Open. 2022 Jan 11;3(1):e12645. doi: 10.1002/emp2.12645. eCollection 2022 Feb.PMID: 35036994
23. [Do we really need another risk prediction rule? Yes, we do.](#) Lo AX, **Kennedy M.** Acad Emerg Med. 2022 May;29(5):678-680. doi: 10.1111/acem.14458. Epub 2022 Mar 22.PMID: 35139248
24. [Visitor policies and health equity in emergency care of older adults.](#) Chary AN, Naik AD, **Kennedy M.** J Am Geriatr Soc. 2022 Feb;70(2):376-378. doi: 10.1111/jgs.17392. Epub 2021 Jul 31.PMID: 34310690
25. [Emergency Department Care Transition Programs-Value-Based Care Interventions That Need System-Level Support.](#) Biese K, Lash TA, **Kennedy M.** **JAMA Netw Open.** 2022 May 2;5(5):e2213160. doi: 10.1001/jamanetworkopen.2022.13160.PMID: 35594049
26. [Pediatric Emergency Medicine Ultrasound Fellowship Programs.](#) **Kharasch SJ,** Cohen SG. Pediatr Emerg Care. 2022 Jun 1;38(6):301-303. doi: 10.1097/PEC.0000000000002734.PMID: 35639434
27. [Point-of-care respiratory muscle ultrasound in a child with medical complexity.](#) **Kharasch SJ,** Selame L, Dumas H, **Shokoohi H, Liteplo A,** Kharasch E, Kharasch V. Pediatr Pulmonol. 2022 Jan;57(1):333-336. doi: 10.1002/ppul.25743. Epub 2021 Oct 29.PMID: 34714975
28. [Planning for the Next Pandemic: Trauma Injuries Require Pre-COVID-19 Levels of High-Intensity Resources.](#) Mokhtari AK, Maurer LR, Wong YM, Hardman C, Hafiz S, Sharrah M, Soe-Lin H, Peralta R, Parks JJ, Rattan R, Butler

C, Hwabejire JO, Fawley J, Fagenholz PJ, King DR, Kaafarani H, Velmahos GC, **Lee J**, Mendoza AE, Saillant NN. Am Surg. 2022 Jun;88(6):1054-1058. doi: 10.1177/00031348221087414. Epub 2022 Apr 24. PMID: 35465697

29. [Point-of-Care Ultrasonography: Clearly More Than a Pretty Picture.](#) **Shokoohi H, Liteplo AS**, Ma IWY. **JAMA Intern Med.** 2022 May 1;182(5):567. doi: 10.1001/jamainternmed.2022.0067. PMID: 35286373
30. [Beyond the Waiver: Multilevel Interventions Needed to Expand Buprenorphine Treatment.](#) Samuels EA, **Martin AF.** **JAMA Netw Open.** 2022 May 2;5(5):e2212425. doi: 10.1001/jamanetworkopen.2022.12425. PMID: 35552731
31. [Why and How Civic Health Should be Incorporated into Medical Education.](#) Barrere-Cain R, Garriga M, Kaki DA, Lawrence C, Reardon A, **Martin A.** Acad Med. 2022 Jun 2. doi: 10.1097/ACM.0000000000004765. Online ahead of print. PMID: 36149387
32. [Health system-based housing navigation for patients experiencing homelessness: A new care coordination framework.](#) Velasquez DE, Mecklai K, Plevyak S, Eappen B, Koh KA, **Martin AF.** Healthc (Amst). 2022 Mar;10(1):100608. doi: 10.1016/j.hjdsi.2021.100608. Epub 2022 Jan 6. PMID: 34999493
33. [The Vot-ER Healthy Democracy Campaign: A National Medical Student Competition to Increase Voting Access.](#) Ruxin TR, Ha YP, Grade MM, Brown R, Lawrence C, **Martin AF.** Acad Med. 2022 Jan 1;97(1):89-92. doi: 10.1097/ACM.0000000000004381. PMID: 34469348
34. [Reducing Pediatric Emergency Department Prescription Errors.](#) Devarajan V, **Nadeau NL**, Creedon JK, Dribin TE, Lin M, Hirsch AW, Neal JT, Stewart A, Popovsky E, Levitt D, Hoffmann JA, Lee M, Perron C, Shah D, Eisenberg MA, Hudgins JD. Pediatrics. 2022 Jun 1;149(6):e2020014696. doi: 10.1542/peds.2020-014696. PMID: 35641470
35. [Finding acute coronary syndrome with serial troponin testing for rapid assessment of cardiac ischemic symptoms \(FAST-TRAC\): a study protocol.](#) Peacock WF, Maisel AS, Mueller C, Anker SD, Apple FS, Christenson RH, Collinson P, Daniels LB, Diercks DB, Somma SD, Filippatos G, Headden G, Hiestand B, Hollander JE, Kaski JC, Kosowsky JM, **Nagurney JT**, Nowak RM, Schreiber D, Vilke GM, Wayne MA, Than M. Clin Exp Emerg Med. 2022 Jun;9(2):140-145. doi: 10.15441/ceem.21.154. Epub 2022 Jun 30. PMID: 3584361
36. [Medical Spanish Endocrinology Educational Module.](#) Ortega P, González C, López-Hinojosa I, **Park YS**, Girotti JA. MedEdPORTAL. 2022 Mar 17;18:11226. doi: 10.15766/mep_2374-8265.11226. eCollection 2022. PMID: 35372682

37. [Patient involvement in assessment of postgraduate medical learners: A scoping review.](#) Khalife R, Gupta M, Gonsalves C, **Park YS**, Riddle J, Tekian A, Horsley T. *Med Educ.* 2022 Jun;56(6):602-613. doi: 10.1111/medu.14726. Epub 2022 Jan 17. PMID: 34981565
38. [A Deadly Infodemic: Social Media and the Power of COVID-19 Misinformation.](#) Gisoni MA, Barber R, Faust JS, **Raja A**, Strehlow MC, Westafer LM, Gottlieb M. *J Med Internet Res.* 2022 Feb 1;24(2):e35552. doi: 10.2196/35552. PMID: 35007204
39. [Representing narrative evidence as clinical evidence logic statements.](#) Lacson R, Eskian M, Cochon L, Gujrathi I, Licaros A, Zhao A, Vetrano N, Schneider L, **Raja A**, Khorasani R. *J AMIA Open.* 2022 Apr 11;5(2):ooac024. doi: 10.1093/jamiaopen/ooac024. eCollection 2022 Jul. PMID: 35474718
40. [Towards a more efficient healthcare system: Opportunities and challenges caused by hospital closures amid the COVID-19 pandemic.](#) Saghafian S, Song LD, **Raja AS**. *Health Care Manag Sci.* 2022 Jun;25(2):187-190. doi: 10.1007/s10729-022-09591-7. Epub 2022 Mar 16. PMID: 35292872
41. [An unequivocal call to climate action for the health sector.](#) Beyeler N, **Salas RN**. *BMJ.* 2022 Mar 18;376:o680. doi: 10.1136/bmj.o680. PMID: 35304387
42. [Fossil-Fuel Pollution and Climate Change - A New NEJM Group Series.](#) Solomon CG, **Salas RN**, Malina D, Sacks CA, Hardin CC, Prewitt E, Lee TH, Rubin EJ. *N Engl J Med.* 2022 Jun 16;386(24):2328-2329. doi: 10.1056/NEJMe2206300. PMID: 35704486
43. [Climate change and global health: A call to more research and more action.](#) Agache I, Sampath V, Aguilera J, Akdis CA, Akdis M, Barry M, Bouagnon A, Chinthrajah S, Collins W, Dulitzki C, Erny B, Gomez J, Goshua A, Jutel M, Kizer KW, Kline O, LaBeaud AD, Pali-Schöll I, Perrett KP, Peters RL, Plaza MP, Prunicki M, Sack T, **Salas RN**, Sindher SB, Sokolow SH, Thiel C, Veidis E, Wray BD, Traidl-Hoffmann C, Witt C, Nadeau KC. *Allergy.* 2022 May;77(5):1389-1407. doi: 10.1111/all.15229. Epub 2022 Feb 8. PMID: 3507341
44. [Climate Change and Medical Education: An Integrative Model.](#) Sullivan JK, Lowe KE, Gordon IO, Colbert CY, **Salas RN**, Bernstein A, Utech J, Natowicz MR, Mehta N, Isaacson JH. *Acad Med.* 2022 Feb 1;97(2):188-192. doi: 10.1097/ACM.0000000000004376. PMID: 34432714
45. [Evidence-based recommendations for communicating the impacts of climate change on health.](#) Peters E, Boyd P, Cameron LD, Contractor N, Diefenbach MA, Fleszar-Pavlovic S, Markowitz E, **Salas RN**, Stephens KK. *Transl Behav Med.* 2022 May 25;12(4):543-553. doi: 10.1093/tbm/ibac029. PMID: 35613000

46. [An Examination of the Intersection of Climate Change, the Physician Specialty Workforce, and Graduate Medical Education in the U.S.](#) Colbert CY, French JC, Brateanu A, Pacheco SE, Khatri SB, Sapatnekar S, Vacharathit V, Pien LC, Prelosky-Leeson A, LaRocque R, Mark B, **Salas RN**. Teach Learn Med. 2022 Jun-Jul;34(3):329-340. doi: 10.1080/10401334.2021.1913417. Epub 2021 May 19.PMID: 34011226
47. [How Should Emergency Department Clinicians Respond to Unmet Dental Needs?](#) Curt A, **Samuels-Kalow M**. AMA J Ethics. 2022 Jan 1;24(1):E13-18. doi: 10.1001/amajethics.2022.13.PMID: 35133723
48. [Structural competency in emergency medical education: A scoping review and operational framework.](#) Salhi BA, Zeidan A, Stehman CR, Kleinschmidt S, Liu EL, Bascombe K, Preston-Suni K, White MH, Druck J, Lopez BL, **Samuels-Kalow ME**. AEM Educ Train. 2022 Jun 23;6(Suppl 1):S13-S22. doi: 10.1002/aet2.10754. eCollection 2022 Jun.PMID: 35783075
49. [Executive summary of the 2021 SAEM consensus conference: From bedside to policy: Advancing social emergency medicine and population health through research, collaboration, and education.](#) Schoenfeld EM, Lin MP, **Samuels-Kalow ME**. Acad Emerg Med. 2022 Mar;29(3):354-363. doi: 10.1111/acem.14451. Epub 2022 Mar 15.PMID: 35064982
50. [Trauma in a Patient with a Ventricular Assist Device.](#) Oskar KM, **Slutzman JE**, Wittels K, Wilcox SR. J Emerg Med. 2022 Jan;62(1):135-138. doi: 10.1016/j.jemermed.2021.04.009. Epub 2022 Jan 13.PMID: 35033407
51. [Racial Disparities in Endovascular Thrombectomy: It's More Than Just Access.](#) **Zachrison KS**, Cross D. Stroke. 2022 Mar;53(3):864-866. doi: 10.1161/STROKEAHA.121.037921. Epub 2022 Jan 24.PMID: 35067098
52. [Strategic Opportunities to Improve Stroke Systems of Care.](#) **Zachrison KS**, Schwamm LH. **JAMA**. 2022 May 10;327(18):1765-1767. doi: 10.1001/jama.2022.3820.PMID: 35510400
53. [Impact of a Pandemic on Early Career Women.](#) Nobleza COS, Inoa V, Mittal S, **Zachrison KS**, Madsen TE. Stroke. 2022 Feb;53(2):e56-e59. doi: 10.1161/STROKEAHA.121.035186. Epub 2022 Jan 5.PMID: 34983238