

Massachusetts General Hospital Department of Emergency Medicine
Quarterly Faculty Publication List
January-Mar 2019

1. Critical Review, Development and Testing of a Taxonomy for Adverse Events and Near Misses in the Emergency Department. Griffey RT, Schneider RM, Todorov AA, Yaeger L, Sharp BR, Vrablik MC, **Aaronson EL**, Sammer C, Nelson A, Manley H, Dalton P, Adler L. Acad Emerg Med. 2019 Mar 12.
2. Emergency department visits by patients with an internal medicine specialist: understanding the role of specialists in reducing ED crowding. **Aaronson EL**, Kim J, Hard GA, **Yun BJ**, Kaafarani HMA, Rao SK, Weilburg JB, **Lee J**. Intern Emerg Med. 2019 Feb 22.
3. The Surprise Question Can Be Used to Identify Heart Failure Patients in the Emergency Department Who Would Benefit From Palliative Care. **Aaronson EL**, George N, Ouchi K, Zheng H, Bowman J, **Monette D**, Jacobsen J, Jackson V. J Pain Symptom Manage. 2019 Feb 16.
4. Goals-of-Care Conversations for Older Adults With Serious Illness in the Emergency Department: Challenges and Opportunities. Ouchi K, George N, Schuur JD, **Aaronson EL**, Lindvall C, Bernstein E, Sudore RL, Schonberg MA, Block SD, Tulskey JA. Ann Emerg Med. 2019 Feb 12.
5. Rapid Discharge After Interfacility Transfer for Mild Traumatic Intracranial Hemorrhage: Frequency and Associated Factors. **Borcuk P**, Van Ornam J, **Yun BJ**, Penn J, Pruitt P. West J Emerg Med. 2019 Mar;20(2):307-315.
6. A natural language processing algorithm to extract characteristics of subdural hematoma from head CT reports. Pruitt P, Naidech A, Van Ornam J, **Borcuk P**, Thompson W. Emerg Radiol. 2019 Jan 28.
7. Prenatal exposure to acid-suppressant medications and the risk of recurrent wheeze at 3 years of age in children with a history of severe bronchiolitis. Robinson LB, Chen Arroyo AJ, Dantas MAS, Espinola JA, Sullivan AF, **Camargo CA Jr**. J Allergy Clin Immunol Pract. 2019 Mar 13.
8. Nasal microbial composition and chronic otitis media with effusion: A case-control study. Walker RE, Walker CG, **Camargo CA Jr**, Bartley J, Flint D, Thompson JMD, Mitchell EA. PLoS One. 2019 Feb 22;14(2):e0212473.
9. Role of Monthly High-Dose Vitamin D Supplementation in Cancer Prevention-In Reply. Scragg R, **Camargo CA Jr**. JAMA Oncol. 2019 Feb 14.
10. A randomised controlled trial of vitamin D and omega-3 long chain polyunsaturated fatty acids in the treatment of irritability and hyperactivity among children with autism spectrum disorder. Mazahery H, Conlon CA, Beck KL, Mugridge O, Kruger MC, Stonehouse W, **Camargo CA Jr**, Meyer BJ, Jones B, von Hurst PR. J Steroid Biochem Mol Biol. 2019 Mar;187:9-16.
11. Guiding Principles for the Recognition, Diagnosis, and Management of Infants with Anaphylaxis: An Expert Panel Consensus. Greenhawt M, Gupta RS, Meadows JA, Pistiner M, Spergel JM, **Camargo CA Jr**, Simons FER, Lieberman PL. J Allergy Clin Immunol Pract. 2019 Epub 2019 Feb 5.
12. Vitamin D supplementation to prevent acute respiratory infections: individual participant data meta-analysis. Martineau AR, Jolliffe DA, ..., Urashima M, **Camargo CA**, Griffiths CJ, Hooper RL. Health Technol Assess. 2019 Jan;23(2):1-44.
13. Machine Learning-Based Prediction of Clinical Outcomes for Children During Emergency Department Triage. Goto T, **Camargo CA Jr**, Faridi MK, Freishtat RJ, **Hasegawa K**. JAMA Netw Open. 2019 Jan 4;2(1):e186937.
14. Vitamin D to prevent exacerbations of COPD: systematic review and meta-analysis of individual participant data from randomised controlled trials. Jolliffe DA, Greenberg L, Hooper RL, Mathysen C, Rafiq R, de Jongh RT, **Camargo CA**, Griffiths CJ, Janssens W, Martineau AR. Thorax. Epub 2019 Jan 10.
15. Vitamin D modulates the allergic phenotype of dendritic cells in children with atopic dermatitis. Cristi F, Perez-Mateluna G, Vera-Kellet C, Silva-Valenzuela S, Iturriaga C, Hoyos-Bachilloglu R, Navarrete-Dechent C, Cifuentes L, **Camargo CA Jr**, Kalergis AM, Borzutzky A. Exp Dermatol. 2019 Mar;28(3):308-311.

16. A Randomised-Controlled Trial of Vitamin D and Omega-3 Long Chain Polyunsaturated Fatty Acids in the Treatment of Core Symptoms of Autism Spectrum Disorder in Children. Mazahery H, Conlon CA, Beck KL, Mugridge O, Kruger MC, Stonehouse W, **Camargo CA Jr**, Meyer BJ, Tsang B, Jones B, von Hurst PR. J Autism Dev Disord. 2019 Jan 3.
17. Association Between Maternal Pre-Pregnancy Body Mass Index, Gestational Weight Gain, and Offspring Atopic Dermatitis: A Prospective Cohort Study. Drucker AM, Pope EI, Field AE, Qureshi AA, Dumas O, **Camargo CA Jr**. J Allergy Clin Immunol Pract. 2019 Jan;7(1):96-102.e2.
18. Pulse rate variability predicts atrial fibrillation and cerebrovascular events in a large, population-based cohort. Sluyter JD, **Camargo CA Jr**, Lowe A, Scragg RKR. Int J Cardiol. 2019 Jan 15;275:83-88.
19. Long-term exposure to neighborhood smoke from household heating and risk of respiratory and dermatological prescription medications-Growing Up in New Zealand child cohort study. Lai HK, **Camargo CA Jr**, Woodward A, Hobbs M, Pillai A, Morton SM, Grant CC. Allergy. 2019 Feb;74(2):391-395.
20. Pulmonary function and bronchial reactivity 4 years after the first virus-induced wheezing. Leino A, Lukkarinen M, Turunen R, Vuorinen T, Söderlund-Venermo M, Vahlberg T, **Camargo CA Jr**, Bochkov YA, Gern JE, Jartti T. Allergy. 2019 Mar;74(3):518-526.
21. Ten-second central SBP variability predicts first and recurrent cardiovascular events. Sluyter JD, **Camargo CA Jr**, Scragg RKR. J Hypertens. 2019 Mar;37(3):530-537.
22. Identification of Inpatient Allergic Drug Reactions Using ICD-9-CM Codes. Saff RR, Li Y, Santhanakrishnan N, **Camargo CA Jr**, Blumenthal KG, Zhou L, Banerji A. J Allergy Clin Immunol Pract. 2019 Jan;7(1):259-264.e1.
23. "Implications of cost-sharing for observation care among Medicare beneficiaries: a pilot survey". **Goldstein JN**, Schwartz JS, McGraw P, Hicks LS. BMC Health Serv Res. 2019 Mar 7;19(1):149.
24. Frequency of Sale and Reasons for Purchase of Over-the-Counter Insulin In the United States. **Goldstein JN**, Patel RM, Bland K, Hicks LS. JAMA Intern Med. 2019 Feb 18.
25. Emergency Neurology. **Goldstein JN**, Ellenbogen JM. Semin Neurol. 2019 Feb;39(1):3-4.
26. Association of Apolipoprotein E With Intracerebral Hemorrhage Risk by Race/Ethnicity: A Meta-analysis. Marini S, Crawford K, ..., **Goldstein JN**, Anderson CD; International Stroke Genetics Consortium. JAMA Neurol. 2019 Feb 6.
27. Performance of a Hospital Pathway for Patients With a New Single Brain Mass. Arrillaga-Romany I, Curry WT Jr, Jordan JT, Cahill DP, Nahed BV, Martuza RL, Loeffler JS, Järhult SJ, Muzikansky A, Cohen AB, Singhal AB, **Goldstein JN**, Batchelor TT. J Oncol Pract. 2019 Mar;15(3):e211-e218.
28. Cerebral small vessel disease in patients with spontaneous cerebellar hemorrhage. Pasi M, Charidimou A, Boulouis G, Fotiadis P, Morotti A, Xiong L, Marini S, Ayres A, Frosch MP, **Goldstein JN**, Rosand J, Gurol ME, Greenberg SM, Viswanathan A. J Neurol. 2019 Mar;266(3):625-630.
29. Spot and Diffuse Signs: Quantitative Markers of Intracranial Hematoma Expansion at Dual-Energy CT. Tan CO, Lam S, Kuppens D, Bergmans RHJ, Parameswaran BK, Forghani R, Hu R, Daftari Besheli L, **Goldstein JN**, Thrall J, Lev M, Romero JM, Gupta R. Radiology. 2019 Jan;290(1):179-186.
30. Emergency department triage prediction of clinical outcomes using machine learning models. Raita Y, Goto T, Faridi MK, **Brown DFM**, **Camargo CA Jr**, **Hasegawa K**. Crit Care. 2019 Feb 22;23(1):64.
31. Bariatric surgery is associated with lower risk of acute care use for cardiovascular disease in obese adults. Shimada YJ, Gibo K, Tsugawa Y, Goto T, Yu EW, Iso H, **Brown DFM**, **Hasegawa K**. Cardiovasc Res. 2019 Mar 15;115(4):800-806.
32. Missed Serious Neurologic Conditions in Emergency Department Patients Discharged With Nonspecific Diagnoses of Headache or Back Pain. Dubosh NM, Edlow JA, Goto T, **Camargo CA Jr**, **Hasegawa K**. Ann Emerg Med. 2019 Feb 20.

33. Association of type 2 cytokines in severe rhinovirus bronchiolitis during infancy with risk of developing asthma: A multicenter prospective study. **Hasegawa K**, Hoptay CE, Harmon B, Celedón JC, Mansbach JM, Piedra PA, Freishtat RJ, **Camargo CA Jr**. Allergy. 2019 Jan 17.
34. Association between rhinovirus species and nasopharyngeal microbiota in infants with severe bronchiolitis. Toivonen L, **Camargo CA Jr**, Gern JE, Bochkov YA, Mansbach JM, Piedra PA, **Hasegawa K**. J Allergy Clin Immunol. 2019 Jan 14. pii: S0091-6749(19)30021-1.
35. Serum metabolome is associated with nasopharyngeal microbiota and disease severity among infants with bronchiolitis. Stewart CJ, Mansbach JM, Ajami NJ, Petrosino JF, Zhu Z, Liang L, **Camargo CA Jr**, **Hasegawa K**. J Infect Dis. 2019 Jan 9.
36. Rhinovirus Species in Children With Severe Bronchiolitis: Multicenter Cohort Studies in the United States and Finland. **Hasegawa K**, Jariti T, Bochkov YA, Gern JE, Mansbach JM, Piedra PA, Toivonen L, **Camargo CA Jr**. Pediatr Infect Dis J. 2019 Mar;38(3):e59-e62.
37. Flexible nasotracheal intubation compared to blind nasotracheal intubation in the setting of simulated angioedema. Parkey S, Erickson T, **Hayden EM**, Brown Iii CA, Carlson JN. Am J Emerg Med. 2019 Feb 11.
38. How the Results of a Randomized Trial of Catheter-Directed Thrombolysis Versus Anticoagulation alone for Submassive Pulmonary Embolism Would Affect Patient and Physician Decision Making: Report of an Online Survey. Taslakian B, Li C, Goldhaber SZ, Mikkelsen KZ, Horowitz JM, **Kabrhel C**, Barnes GD, Sista AK. J Clin Med. 2019 Feb 7;8(2).
39. Impact of chronic right ventricular pressure overload in short-term outcomes of acute pulmonary embolism: A retrospective analysis. Witkin A, **Wilcox SR**, Chang Y, Huang F, Dudzinski D, Zheng H, Channick R, **Kabrhel C**. J Crit Care. 2019 Jan 11;51:1-5.
40. Cardiovascular Risk Factors Associated With Venous Thromboembolism. Gregson J, ..., **Kabrhel C**, Zöller B, ..., Meade T; Emerging Risk Factors Collaboration. JAMA Cardiol. 2019 Feb 1;4(2):163-173.
41. Extracorporeal membrane oxygenation in acute massive pulmonary embolism: a case series and review of the literature. Al-Bawardy R, Rosenfield K, Borges J, Young MN, Albaghdadi M, Rosovsky R, **Kabrhel C**. Perfusion. 2019 Jan;34(1):22-28.
42. D-dimer levels in VTE patients with distal and proximal clots. Singer AJ, Zheng H, Francis S, Fermann GJ, Chang AM, Parry BA, Giordano N, **Kabrhel C**. Am J Emerg Med. 2019 Jan;37(1):33-37.
43. A Case of Toxic Breast-feeding? Schultz ML, Kostic M, **Kharasch S**. Pediatr Emerg Care. 2019 Jan;35(1):e9-e10.
44. Cannabis-related emergencies in children and teens. Chen YC, **Klig J**. Curr Opin Pediatr. 2019 Mar 6.
45. Microfluidic arenas for war games between neutrophils and microbes. Ellett F, Jalali F, Marand AL, Jorgensen J, Mutlu BR, **Lee J**, Raff AB, Irimia D. Lab Chip. 2019 Mar 27;19(7):1205-1216.
46. Emergency Surgery Score Accurately Predicts the Risk of Post-Operative Infection in Emergency General Surgery. Han K, ..., **Lee J**, ..., Velmahos G, Kaafarani HMA. Surg Infect (Larchmt). 2019 Jan;20(1):4-9.
47. Reduction in pediatric gastroenterology ED visits can be sustained through physician accountability and financial incentives. Kim J, Israel E, Rao S, **Aaronson E**, Weilburg J, Kaafarani H, **Lee J**. Am J Emerg Med. 2019 Mar 8.
48. Gastric ultrasonography in evaluating NPO status of pediatric patients in the emergency department.
49. Azad AM, Al Madi HA, Abdull Wahab SF, **Shokoohi H**, Kang YJ, **Liteplo AS**. Am J Emerg Med. 2019 Feb;37(2):355-356.
50. Older Adult Falls in Emergency Medicine: 2019 Update. Carpenter CR, Cameron A, Ganz DA, **Liu S**. Clin Geriatr Med. Epub 2019 Mar 1.

51. Changes in Sex, Race, and Ethnic Origin of Emergency Medicine Resident Physicians From 2007 to 2017. Bennett CL, McDonald DA, Hurwitz S, Zheng H, **Nadel E**, Ranney ML. Acad Emerg Med. 2019 Mar;26(3):331-334.
52. Implementation of an Emergency Department High-Sensitivity Troponin Chest Pain Pathway in the United States. Baugh CW, Scirica BM, Januzzi JL, Morrow DA, Lewandrowski KB, Jarolim P, **White BA**, Weinfeld MS, Hoffmann U, **Nagurney JT**. Crit Pathw Cardiol. 2019 Mar;18(1):1-4.
53. Patient Characteristics from an Emergency Care Center in Rural Western Kenya. **Patel H**, Suarez S, Shaull L, Edwards J, Altawil Z, Owuor J, Rogo D, **Schwartz K**, Richard L, **Burke TF**. J Emerg Med. 2019 Jan;56(1):80-86.
54. Obesity increases the risk of chronic pain development after motor vehicle collision. Mauck MC, Hu J, Sefton C, Swor RA, **Peak DA**, Jones JS, Rathlev NK, Lee DC, Domeier RM, Hendry PL, McLean SA. Pain. 2019 Mar;160(3):670-675.
55. Accuracy and timeliness of an abbreviated emergency department MRCP protocol for choledocholithiasis. Tso DK, Almeida RR, Prabhakar AM, Singh AK, **Raja AS**, Flores EJ. Emerg Radiol. [Epub ahead of print]
56. Can Automated Retrieval of Data from Emergency Department Physician Notes Enhance the Imaging Order Entry Process? Rousseau JF, Ip IK, **Raja AS**, Valtchinov VI, Cochon L, Schuur JD, Khorasani R. Appl Clin Inform. 2019 Mar;10(2):189-198.
57. Gender Differences in Faculty Rank Among Academic Emergency Physicians in the United States. Bennett CL, **Raja AS**, Kapoor N, Kass D, Blumenthal DM, Gross N, Mills AM. Acad Emerg Med. 2019 Mar;26(3):281-285.
58. Analysis of current financial relationships between emergency physicians and industry. Niforatos JD, Boas S, Hertz S, Ozgur A, **Raja AS**. Am J Emerg Med. Epub 2019 Jan 29.
59. Applicability of the Canadian CT Head Rule in Minimal Head Injury. Tran KA, Melnick ER, **Raja AS**, Sharp AL, Trottier MÈ, Archambault PM. Ann Emerg Med. 2019 Jan;73(1):97-98.
60. Effect of Clinical Decision Support-Generated Report Cards Versus Real-Time Alerts on Primary Care Provider Guideline Adherence for Low Back Pain Outpatient Lumbar Spine MRI Orders. Zafar HM, Ip IK, Mills AM, **Raja AS**, Langlotz CP, Khorasani R. AJR Am J Roentgenol. 2019 Feb;212(2):386-394.
61. Impact of a Health Information Technology-Enabled Appropriate Use Criterion on Utilization of Emergency Department CT for Renal Colic. **Raja AS**, Pourjabbar S, Ip IK, Baugh CW, Sodickson AD, O'Leary M, Khorasani R. AJR Am J Roentgenol. 2019 Jan;212(1):142-145.
62. Pneumothorax and Hemothorax in the Era of Frequent Chest Computed Tomography for the Evaluation of Adult Patients With Blunt Trauma. Rodriguez RM, Canseco K, Baumann BM, Mower WR, Langdorf MI, Medak AJ, Anglin DR, Hendey GW, Addo N, Nishijima D, **Raja AS**. Ann Emerg Med. 2019 Jan;73(1):58-65.
63. Will publishing evidence-based guidelines for low back pain imaging decrease imaging use? **Raja AS**, Ip IK, Cochon L, Pourjabbar S, **Yun BJ**, Schuur JD, Khorasani R. Am J Emerg Med. 2019 Mar;37(3):545-546.
64. Repeat CT Performed Within One Month of CT Conducted in the Emergency Department for Abdominal Pain: A Secondary Analysis of Data From a Prospective Multicenter Study. Lee LK, **Reisner AT**, ..., Pandharipande PV. AJR Am J Roentgenol. 2019 Feb;212(2):382-385.
65. Climate Change: A Review of a Public Health Opportunity for the Northeast. **Salas RN**. R I Med J (2013). 2019 Feb 1;102(1):42-45.
66. The U.S. Environmental Protection Agency's Proposed Transparency Rule Threatens Health. **Salas RN**, Laden F, Jacobs WB, Jha AK. Ann Intern Med. 2019 Jan 29.
67. Science Policy Training for a New Physician Leader: Description and Framework of a Novel Climate and Health Science Policy Fellowship. Lemery J, Sorensen C, Balbus J, Newman L, Davis C, Reno E, **Salas RN**, Calvillo Hynes E. Acad Emerg Med ED&T. 2019 Jan 16.

68. The Care of Adult Patients in Pediatric Emergency Departments. **Samuels-Kalow M**, Neuman MI, Rodean J, Marin JR, Aronson PL, Hall M, Freedman SB, Morse RB, Cohen E, Simon HK, Shah SS, Alpern ER. Acad Pediatr. 2019 Mar 7.
69. The Use of Geographic Data to Improve Asthma Care Delivery and Population Health. **Samuels-Kalow ME, Camargo CA Jr.** Clin Chest Med. 2019 Mar;40(1):209-225.
70. Impact of a Women-focused Professional Organization on Academic Retention and Advancement: Perceptions From a Qualitative Study. Lin MP, Lall MD, **Samuels-Kalow M**, Das D, Linden JA, Perman S, Chang AM, Agrawal P. Acad Emerg Med. 2019 Mar;26(3):303-316.
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72. Direct Observation Assessment of Ultrasound Competency Using a Mobile Standardized Direct Observation Tool Application With Comparison to Asynchronous Quality Assurance Evaluation. Boniface KS, Ogle K, Aalam A, LeSaux M, Pyle M, Mandoorah S, **Shokoohi H.** AEM Educ Train. 2019 Feb 19;3(2):172-178.
73. The Utility and Survivorship of Peripheral Intravenous Catheters Inserted in the Emergency Department. **Shokoohi H**, Boniface KS, Kulie P, Long A, McCarthy M. Ann Emerg Med. 2019 Mar 26.
74. Assessment of Point-of-Care Ultrasound Training for Clinical Educators in Malawi, Tanzania and Uganda. **Shokoohi H**, Raymond A, Fleming K, Scott J, Kerry V, Haile-Mariam T, Sayeed S, Boniface KS. Ultrasound Med Biol. 2019 Mar 20.
75. Assessment of Physician Well-being, Part Two: Beyond Burnout. Lall MD, Gaeta TJ, Chung AS, Chinai SA, Garg M, Hussain A, Kanter C, Khandelwal S, Rublee CS, Tabatabai RR, **Takayesu JK**, Zaher M, Himelfarb NT. West J Emerg Med. 2019 Mar;20(2):291-304.
76. Utilization of chest CT for injured patients during visits to U.S. emergency departments: 2012-2015. **Yun BJ**, Rodriguez RM, Prabhakar AM, **Peak DA**, Baymon DE, **Raja AS.** Am J Emerg Med. Epub 2019 Mar 1.
77. Use, Temporal Trends, and Outcomes of Endovascular Therapy After Interhospital Transfer in the United States. Shah S, Xian Y, Sheng S, **Zachrisson KS**, Saver JL, Sheth KN, Fonarow GC, Schwamm LH, Smith EE. Circulation. 2019 Mar 26;139(13):1568-1577.
78. Ischemic Stroke Transfer Patterns in the Northeast United States. **Zachrisson KS**, Onnela JP, Hernandez A, Reeves MJ, **Camargo CA Jr**, Cox M, Matsouaka RA, Metlay JP, **Goldstein JN**, Schwamm LH. J Stroke Cerebrovasc Dis. 2019 Feb;28(2):295-304.