
MEP Scholarly and Research Productivity 2020

Journal Articles

1. Galarraga JE, DeLia D, Wilhite D, Romero-Barrientos R, O'Sullivan K, Noccolino D, Pimentel L, Woodcock C, Fairbanks RJ, Pines JM. Emergency department care coordination strategies and perceived impact under maryland's hospital payment reforms. *Am J Emerg Med* 2020 Dec 25. EPub 2020 Dec 25. PMID: 33402309.
2. Mullins PM, Merriman JG, Jaffe TA, Mazer-Amirshahi M, Weiner SG. Trends in the evaluation and management of back pain in emergency departments, united states, 2007-2016. *Pain Med* 2020 Dec 18. EPub 2020 Dec 18. PMID: 33338224.
3. Carlberg DJ, Bhat R, Patterson WO, Zaatari S, Chandra V, Kolkin A, Ratwani RM, Wilson MD, Ladkany D, Adams KT, Jackson M, Lysen-Hendershot K, Booker EA. Preliminary assessment of a telehealth approach to evaluating, treating, and discharging low-acuity patients with suspected covid-19. *J Emerg Med* 2020 Dec. 59(6):957-963. EPub 2020 Aug 7. PMID: 33008664.
4. Carlberg DJ, Izzo MC, Davis JE. Middle aged male with blurry vision following blunt orbital trauma. *J Am Coll Emerg Physicians Open* 2020 Dec. 1(6):1736-1737. EPub 2020 Sep 15. PMID: 33392585.
5. Tebo C, Mazer-Amirshahi M, Wax P, Campleman S, Boyer E, Brent J, Sheth A, Daniuaityte R, Carlson R. Characterizing trends in synthetic cannabinoid receptor agonist use from patient clinical evaluations during medical toxicology consultation. *J Psychoactive Drugs* 2020 Nov 23. EPub 2020 Nov 23. PMID: 33225872.
6. Perman SM, Mikkelsen ME, Goyal M, Ginde A, Bhardwaj A, Drumheller B, Sante SC, Agarwal AK, Gaieski DF. The sensitivity of qsofa calculated at triage and during emergency department treatment to rapidly identify sepsis patients. *Sci Rep* 2020 Nov 23. 10(1):20395. EPub 2020 Nov 23. PMID: 33230117.
7. Devine JK, Schwartz LP, Hursh SR, Mosher E, Schumacher S, Boyle L, Davis JE, Smith M, Fitzgibbons S. Trends in strategic napping in surgical residents by gender, postgraduate year, work schedule, and clinical rotation. *J Surg Educ.* 2020 Nov 20. S1931-7204(20):30438-4. PMID: 33229212.
8. Howe JL, Reed JL, Adams KT, Elsholz C, Augustine EM, Cruz AT, Mollen C, Pickett ML, Schmidt S, Stukus K, Ratwani RM, Goyal MK. Workflow analysis driven recommendations for integration of electronically-enhanced sexually transmitted infection screening tools in pediatric emergency departments. *J Med Syst* 2020 Nov 10. 44(12):206. EPub 2020 Nov 10. PMID: 33174093.
9. Dubin J, Ratay MK, Wilson M, Davis-Allen P, Gillam M, Izzo J, Maloy K, Davis J, Goyal M. Multi-center implementation of automated age-adjusted d-dimer results reduces unnecessary pe imaging. *Am J Emerg Med* 2020 Nov 3. EPub 2020 Nov 3. PMID: 33243536.
10. Spiegel R, Sutherland M, Brown R, Honasoge A, Witting M. Clinically relevant adverse cardiovascular events in intermediate heart score patients admitted to the hospital following a negative emergency department evaluation. *Am J Emerg Med* 2020 Nov 3. EPub 2020 Nov 3. PMID: 33176952.

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11. Magee MF, Baker KM, Bardsley JK, Wesley D, Smith KM. Diabetes to go-inpatient: pragmatic lessons learned from implementation of technology-enabled diabetes survival skills education within nursing unit workflow in an urban, tertiary care hospital. *Jt Comm J Qual Patient Saf* 2020 Oct 25. EPub 2020 Oct 25. PMID: 33358126.
12. Wilson M, Adelman S, Maitre JB, Izzo J, Valencia R, Yang M, Dubin J, Goyal M. Accuracy of hemolyzed potassium levels in the emergency department. *West J Emerg Med* 2020 Oct 20. 21(6):272-275. EPub 2020 Oct 20. PMID: 33207176.
13. Spiegel R, Teeter W, Sullivan S, Tupchong K, Mohammed N, Sutherland M, Leibner E, Rola P, Galvagno SM Jr, Murthi SB. The use of venous doppler to predict adverse kidney events in a general icu cohort. *Crit Care* 2020 Oct 19. 24(1):615. EPub 2020 Oct 19. PMID: 33076961.
14. Hack KE, Brown M, Lubinsky GT, Davis JE. Adult male with abdominal distention. *J Am Coll Emerg Physicians Open* 2020 Oct. 1(5):1112-1113. EPub 2020 Jun 30. PMID: 33145568.
15. Benda NC, Kellogg KM, Hoffman DJ, Fairbanks RJ, Auguste T. Lessons learned from an evaluation of serious gaming as an alternative to mannequin-based simulation technology: randomized controlled trial. *JMIR Serious Games* 2020 Sep 28. 8(3): e21123. EPub 2020 Sep 28. PMID: 32985993.
16. Day J, Winchester ZB, Cairns CA, Goyal M, Kumar A, Bell J, Katz J, Fitzgibbons SC. The impact of a comprehensive simulation-based training and certification program on resident central venous catheter complication rates. *Simul Healthc* 2020 Sep 08. EPub 2020 Sep 08. PMID: 32910104.
17. Finan P, Borhart J. Woman with lower extremity pain. *Ann Emerg Med* 2020 Sep. 76(3):e37-e38. PMID: 32828341.
18. Schwartz LP, Hursh SR, Boyle L, Davis JE, Smith M, Fitzgibbons SC. Fatigue in surgical residents an analysis of duty-hours and the effect of hypothetical naps on predicted performance. *Am J Surg* 2020 Aug 21. EPub 2020 Aug 21. PMID: 32868025.
19. Straus HE, Guonjian EH, Christian E, Roberts RR. Assessment of intimate partner violence abuse ratings by recently abused and never abused women. *BMC Women's Health* 2020 Aug 17. 20(1):181. EPub 2020 Aug 17. PMID: 32807147.
20. Tonellato DJ, Ransohoff JR, Nash C, Melanson SEF, Petrides AK, Tolan NV, Goldberg SA, Boyer EW, Chai PR, Erickson TB. Traumatic pedestrian and bicyclist injuries associated with intoxication. *Am J Emerg Med* 2020 Aug 16. EPub 2020 Aug 16. PMID: 33046308.
21. Stolbach A, Mazer-Amirshahi M, Schwarz ES, Juurlink D, Wiegand TJ, Nelson LS. ACMT position statement: caring for patients with opioid use disorder during coronavirus disease pandemic. *J Med Toxicol* 2020 Aug 3. EPub 2020 Aug 3. PMID: 32748068.
22. Ratwani RM, Brennan D, Sheahan W, Fong A, Adams K, Gordon A, Calabrese M, Hwang E, Smith M, Booker E. A descriptive analysis of an on-demand telehealth approach for remote covid-19 patient screening. *J Telemed Telecare* 2020 Jul 23. EPub 2020 Jul 23. PMID: 32698650.

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23. Kandaswamy S, Hettinger Z, Hoffman DJ, Ratwani RM, Marquard J. Communication through the electronic health record: frequency and implications of free text orders. *JAMIA Open* 2020 Jul 6. 3(2):154-159. PMID: 32734153.
24. Dixit RA, Hurst S, Adams KT, Boxley C, Lysen-Hendershot K, Bennett SS, Booker E, Ratwani RM. Case report: rapid development of visualization dashboards to enhance situation awareness of covid-19 telehealth initiatives at a multi-hospital healthcare system. *J Am Med Inform Assoc* 2020 Jul 3. EPub 2020 Jul 3. PMID: 32618999.
25. Farmer BM, Cole JB, Olives TD, Farrell NM, Rao R, Nelson LS, Mazer-Amirshahi M, Stolbach AI. ACMT position statement: medication administration and safety during the response to covid-19 pandemic. *J Med Toxicol* 2020 Jul 3. EPub 2020 Jul 3. PMID: 32617893.
26. Nhoun HK, Goyal M, Cacciapuoti M, Day H, Hashemzadeh T, Magee M, Jarris YS. Food insecurity and insulin use in hyperglycemic patients presenting to the emergency department. *West J Emerg Med* 2020 Jul 3. 21(4):959-963. EPub 2020 Jul 3. PMID: 32726270.
27. Raja P, Duffett M, Mazer-Amirshahi M, Patel A, Gilpin A, Litalien C, Chan AK, van den Anker J, Lacaze-Masmonteil T, Samiee-Zafarghandy S. Pediatric drug data in canadian drug monographs: a descriptive analysis. *CMAJ Open* 2020 Jul-Sep. 8(3):E522-E529. EPub 2020 Aug 31. PMID: 32873580.
28. Mazer-Amirshahi M, Sun C, Koroshetz L, Soares RW, Kumar A, Calello DP, Perrone J, Nelson LS. Emergency department patients' perceptions of the efficacy and safety of opioid analgesics. *J Opioid Manag* 2020 Jul/Aug. 16(4):239-246. PMID: 32885831.
29. Mazer-Amirshahi M, Garlich FM, Calello DP, Stolbach AI. Acmt position statement: limiting harms of vaping and e-cigarette use. *J Med Toxicol* 2020 Jun 29. EPub 2020 Jun 29. PMID: 32601813.
30. Mazer-Amirshahi M, Ruha A, Kao L, Stolbach A. Acmt position statement on maintenance of certification during the coronavirus pandemic. *J Med Toxicol* 2020 Jun 19.
31. Fong A, Behzad S, Pruitt Z, Ratwani RM. A machine learning approach to reclassifying miscellaneous patient safety event reports. *J Patient Saf* 2020 Jun 16. EPub 2020 Jun 16. PMID: 32555052.
32. Stolbach AI, Mazer-Amirshahi M, Marino R, Nelson LS, Sugarman J. Acmt position statement: off-label prescribing during covid-19 pandemic. *J Med Toxicol* 2020 Jun 4. EPub 2020 Jun 4. PMID: 32500283.
33. Fortman E, Hettinger AZ, Howe JL, Fong A, Pruitt Z, Miller K, Ratwani RM. Varying rates of patient identity verification when using computerized provider order entry. *J Am Med Inform Assoc* 2020 Jun 1. 27(6):924-928. PMID: 32377679.
34. Beeson MS, Ankel F, Bhat R, Broder JS, Dimeo SP, Gorgas DL, Jones JS, Patel V, Schiller E, Ufberg JW, 2019 EM Model Review Task Force., Keehbauch JN, American Board of Emergency Medicine. The

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2019 model of the clinical practice of emergency medicine. *J Emerg Med* 2020 May 28. EPub 2020 May 28. PMID: 32475725.

35. Johnson-Arbor K, Soto P, Liu L. Adult lead exposure from ammunition reloading and indoor residential shooting. *Am J Ind Med* 2020 May 11. EPub 2020 May 11. PMID: 32391590.
36. Mazer-Amirshahi M, Fox ER, Farmer BM, Stolbach AI. Acmt position statement: medication shortages during coronavirus disease pandemic. *J Med Toxicol* 2020 May 16. EPub 2020 May 16. PMID: 32418120.
37. Tift FW, Nable JV. Online medical control for ems: a lecture and case-based teaching module. *MedEdPORTAL* 2020 May 15. 16:10902. EPub 2020 May 15. PMID: 32656323.
38. Rawal H, Ipaye O, Kalaria AD, Vij R, Dubin JS, Camire L, Weisman DS. High scan volume with low positive scan rate in highest utilizers: computed tomography pulmonary angiography in the emergency department. *J Emerg Med* 2020 May 4. EPub 2020 May 4. PMID: 32381340.
39. Mazer-Amirshahi M, Fox ER, Nelson LS, Smith SW, Stolbach AI. ACMT position statement on prescription drug shortages. *J Med Toxicol* 2020 Apr 15. EPub 2020 Apr 15. PMID: 32297150.
40. Hettinger AZ, Benda N, Roth E, Hoffman D, Iyer A, Franklin E, Perry S, Fairbanks RJ, Bisantz AM. Ten best practices for improving emergency medicine provider-nurse communication. *J Emerg Med* 2020 Apr. 58(4):581-593. EPub 2020 Mar 5. PMID: 32145983.
41. Nguyen MV, Katz T, Borhart J. Man with organic solvent chemical burns to hands. *J Emerg Med* 2020 Mar 19. EPub 2020 Mar 19. PMID: 32201086.
42. Benda NC, Wesley DB, Nare M, Fong A, Ratwani RM, Kellogg KM. Social determinants of health and patient safety: an analysis of patient safety event reports related to limited english-proficient patients. *J Patient Saf* 2020 Mar 10. EPub 2020 Mar 10. PMID: 32168283.
43. Mehta N, Mazer-Amirshahi M, Schulman C, O'Connell F, Pourmand A. Sex-based pharmacotherapy in acute care setting, a narrative review for emergency providers. *J Am Emerg* 2020 Mar 08. EPub 2020 Jan 09.
44. Apostolova E, Uppal A, Galarraga JE, Koutroulis I, Tschampel T, Wang T, Velez T. Towards reliable ards clinical decision support: ards patient analytics with free-text and structured emr data. *AMIA Annu Symp Proc.* 2020 Mar 4. (2019):228-237. PMID: 32308815.
45. Galarraga JE, Black, B, Pimentel L, Venkat A, Frohna WJ, Sverha JP, Lemkin DL, Pines JM. The effects of global budgeting on emergency department admissions rates in Maryland. *Ann Emerg Med.* 2020 Mar. 75(3):375-381. PMID: 31455571.
46. Schubel L, Mosby DL, Blumenthal J, Capan M, Arnold R, Kowalski R, Seagull FJ, Catchpole K, Schwartz JS, Franklin E, Littlejohn R, Miller KE. Informatics and interaction: applying human factors

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principles to optimize the design of clinical decision support for sepsis. *Health Informatics J* 2020 Mar. 26(1):642-651. EPub 2019 May 13. PMID: 31081460.

47. Alatis A, Monahan B, Raymond A, Hudson K, Vieth J, Nable JV. Checklists improve ems documentation quality improvement in a collegiate-based ems agency. *J Coll Emerg Med Serv* 2020 Feb 28. 3(1):16-21.
48. Pourmand A, Lombardi KM, Roberson J, Mazer-Amirshahi M. Patterns of benzodiazepine administration and prescribing to older adults in U.S. emergency departments. *Aging Clin Exp Res* 2020 Feb 13. EPub 2020 Feb 13. PMID: 32056152.
49. Tebo C, Mazer-Amirshahi M, Zocchi MS, Gibson C, Rosenwohl-Mack S, Hsia RY, Fox ER, Nelson LS, Pines JM. The rising cost of commonly used emergency department medications (2006-15). *Am J Emerg Med* 2020 Feb 13. EPub 2020 Feb 13. PMID: 32081556.
50. Monahan BV, Reid MJ, Houser CS, Day CR, Nable JV. Medical emergencies on a medium-sized urban university campus with collegiate-based ems. *J Am Coll Health* 2020 Jan 29. EPub 2020 Jan 29. PMID: 31995453.
51. Benz P, Chong S, Woo S, Brenner N, Wilson M, Dubin J, Heinrichs D, Titus S, Ahn J, Goyal M. Frequency of advanced cardiac life support medication use and association with survival during in-hospital cardiac arrest. *Clin Ther* 2020 Jan. 42(1):121-129. EPub 2019 Dec 23. PMID: 31874777.
52. Pruitt Z, Schubel LC, Dixit R, Littlejohn R, Hsiao C, Wesley D. Valuable, but not useful: barriers to use in implementation of patient reported outcomes. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care* 9/16/20. 9(1):277-278. EPub 2020 Sept 1.
53. Wang X, Roth EM, Kim T, Arora J, Franklin ES, Hettinger AZ, Bisantz AM. Preliminary interview study on the opioid prescription decision making process. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care* 2020 Sept 16. 9(1):234-237.
54. Schubel L, Stein L, Romero R, Miller K. Mitigating cardiovascular risk through user informed clinical decision support. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care* 2020 Sept 16. 9(1):67-69.

Didactic presentation (National/Regional)

1. Ratwani RM. A human factors approach to health information technology usability and safety. Cerner Patient Safety Speakers Bureau, Virtual Conference 2020 Nov.
2. Ratwani RM. A user-centered approach to ai in healthcare, panel: promise, progress and challenges of leveraging ai technology in healthcare. The National Academies Board on Human System Integration (BOHSI) 2020 Nov.

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3. Schubel L, Stein L, Owens S, Romero Barrientos R, Miller K. Ux of cardiovascular risk education tool for electronic patient portal. American Medical Informatics Association Annual Meeting, Virtual Conference 2020 Nov.
4. Turchioe M, Benda N, Liu L, Wang F, Miller K. Designing a window into the “black box”: user-centered design for improving interpretability of predictive models. American Medical Informatics Association Annual Meeting, Virtual Conference 2020 Nov.
5. Sheth S, Romero R, Nambiar S, Schubel S, Stein S, Laccay C, Erkus J, Blumenthal J, Hettinger Z, Valdiviezo C, Weintraub W, Basch P, Ratwani R, Miller K. Mobilizing a million hearts: implementation of a cardiovascular risk calculator into the electronic health record within a large healthcare system using next generation health information technology. American Medical Association Research Symposium, Virtual Conference 2020 Nov.
6. Bridge Najera D. Bias: what you don't know can hurt you and your patients. Diversity, Equity, and Inclusion CME Series; American Academy of PAs, online webinar 2020 Oct 30.
7. Smith SM, Bridge Najera D. Reverse the cycle: a model to respond to hospital-based substance use disorder. National Association of County and City Health Officials, online webinar. 2020 Oct 29.
8. Pontius E. Quick tips: ENT procedures in the ed. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct 29.
9. Pontius E. Nightmare ENT emergencies: sore throats that can kill. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct 25-28.
10. Faust J, Roginski M, Hockstein M. Sepsis metrics - quality care or unproven mandate?: acep connect. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct 25-28.
11. Hockstein M. Rescue strategies for severe hypoxia in the ed. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct 25-28.
12. Delasobera B. Run your body, free your mind. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct 25-28.
13. Delasobera B. Focused ortho: a royal pain in the back. ACEP20 Scientific Assembly, Boston, MA Virtual. 2020 Oct 25-28.
14. Bridge Najera D. Latest trends in contraception: how to meet the demands for long-acting reversible contraception. South Carolina Academy of PAs annual conference, online webinar. 2020 Oct 8.
15. Jackups R, Tsang H, Williams A, Hettinger AZ. Automated hemovigilance: fast healthcare interoperability resources (FHIR) and big data analysis. AABB Annual Meeting, Virtual Conference (COVID-19) 2020 Oct 3.

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16. Miller K. The human factor: usability, health it, and the electronic health record. Medical Professional Liability Association 2020 Oct.
17. Khoujah D. When weakness isn't stroke. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct (On Demand).
18. Johnson-Arbor K. Environmental emergencies jeopardy. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct.
19. Johnson-Arbor K. Into the chamber: emergency indications for hyperbaric medicine. ACEP20 Scientific Assembly, Boston, MA - Virtual. 2020 Oct.
20. Galarraga J. Effects of hospital global budgets on emergency department utilization and quality. Academy Health Annual Research Meeting. Virtual 2020 Aug.
21. Hettinger AZ, Moldwin R, Coravos A, Ramirez E. Identifying data capture challenges and understanding stakeholder needs. Duke- Margolis Center for Health Policy, Virtual Conference 2020 Jul 13.
22. Lehtihet N, Waters J, Becker A, Bhat R, Spiegel R, Wilson M, Patrick J. Adverse cardiac events in patients with moderate-risk history-ekg-age-risk factor-troponin (heart) scores. SAEM Scientific Assembly, Denver, CO. 2020 May.
23. Mullins P, Merriman J, Mazer-Amirshahi M, Weiner S. Trends in evaluation and management of back pain in U.S. emergency departments. AAPM Annual Meeting, National Harbor, MD 2020 Feb 26.
24. Khoujah D. Perfecting the neurologic exam. ACEP20 Scientific Assembly, Boston, MA - Virtual. Oct 2020 (On Demand).

Letter

1. Reihani H, Ghassemi M, Mazer-Amirshahi M, Aljohani B, Pourmand A. Non-evidenced based treatment: an unintended cause of morbidity and mortality related to covid-19. Am J Emerg Med 2020 May 6. Epub 2020 May 6. PMID: 32402498.
2. Prints M, Fishbein D, Arnold R, Stander E, Miller K, Kim T, Capan M. Understanding the perception of workload in the emergency department and its impact on medical decision making. Am J Emerg Med 2020 Feb. 38(2):397-399. Epub 2019 Jul 15. PMID: 31378413.

Textbooks

1. Kazi S, Khaleghzadegan S, & Rosen MA. Technological advances to understand and improve individual and team resilience in extreme environments. Psychology and Human Performance in Space Programs 2020 Aug.
2. Ratay K, Nable JV. Cyanide toxicity. EMRA PressorDex Critical Care Medication Guide 4th Edition 2020 May.

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Editorial

1. Connors NJ, Mazer-Amirshahi M, Motov S, Kim HK. Relative addictive potential of opioid analgesic agents. *Pain Manag* 2020 Dec 10. EPub 2020 Dec 10. PMID: 33300384.
2. Johnson-Arbor K, Verstraee R. No bad blood—surviving severe anemia without transfusion. *JAMA Intern Med* 2020 Nov 23. PMID: 33226407.
3. Muthu N, Ratwani RM. Catalyzing pediatric electronic health record usability and safety improvements. *Pediatrics* 2020 Dec. EPub 2020 Nov 2. PMID: 33139457.
4. Tebo C, Gibson C, Mazer-Amirshahi M. In reply. *J Emerg Med* 2020 Oct. 59(4):608-609. PMID: 33183682.
5. Carlberg DJ, Chan TM, Ladkany D, Palmer J, Bradshaw K. Mobilization of a simulation platform to facilitate a system-wide response to the covid-19 pandemic. *West J Emerg Med* 2020 Jun 23. 21(4):823-825. EPub 2020 Jun 23. PMID: 32726251.
6. Herzberg DL, Sukumaran HP, Viscusi E. Nsaids for analgesia in the era of covid-19. *Reg Anesth Pain Med* 2020 Jun 3. EPub 2020 Jun 3. PMID: 32499385.
7. Fox ER, Stolbach AI, Mazer-Amirshahi M. The landscape of prescription drug shortages during the covid-19 pandemic. *J Med Toxicol* 2020 May 27. EPub 2020 May 27. PMID: 32458230.
8. Filice, R. & Ratwani, R.M. The case for user-centered artificial intelligence in radiology. *Radiology: Artificial Intelligence* 2020 May 13. EPub 2020 May 13.
9. Mazer-Amirshahi M, Motov S, Nelson LS. Primum non nocere: even a small high is still a high. *Acad Emerg Med* 2020 May 7. EPub 2020 May 7. PMID: 32383317.
10. Ratwani RM. Modest progress on the path to electronic health record medication safety. *JAMA Netw Open* 2020 May 1. 3(5):e206665. EPub 2020 May 1. PMID: 32469409.
11. Mazer-Amirshahi M, Motov S, Nelson LS. Intravenous acetaminophen and hydromorphone: the bad and the ugly of emergency department pain management. *Acad Emerg Med* 2020 Apr 21. EPub 2020 Apr 21. PMID: 32315463.
12. Nelson LS, Mazer-Amirshahi M, Perrone J. Opioid deprescribing in emergency medicine—a tool in an expanding toolkit. *JAMA Netw Open* 2020 Mar 2. 3(3):e201129. EPub 2020 Mar 2. PMID: 32211866.
13. Mazer-Amirshahi M, Fox E. Teaching trainees to prescribe during the public health crisis of critical medication shortages. *Journal of GME* 2020 Feb.

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Non-PubMed Publication/Review Articles

1. King CJ, Wesley DB. Reconceptualizing race and healthcare in the wake of covid-19. *Georgetown Journal of International Affairs* 2020 Dec 14.
2. Sheridan M, Adams KT, Booker E, Krevat S, Calabrese M, Gomes K, Ratwani, RM. Pilot assessment of an on-demand telehealth “left without being seen” follow-up program. *J Telemed Telecare* 2020 Nov.
3. Delasobera B, Joy A, Waga M, Malley R, Patel A, Greenwood S, Creighton J, Desale S, Larsen M. Evaluation of a point-of-care covid-19 testing platform using self-collected nasal swabs in an urgent care setting. *JUCM* 2020 Sep 3.
4. Khoujah D, Driscoll A, Jordan M. Older adults with covid-19: special considerations for refusal of admission and alternate care plans. *Journal of Geriatric Emergency Medicine* 2020 July 9.
5. Kandaswamy S, Wei Jiajun, Will A, Savage E, Ratwani RM, Hettinger AZ, & Miller K. Variations in electronic health record workflow patterns: a multisite study. *Applied Clinical Informatics Open* 2020 Jun.
6. Kruk A, Franklin ES, Bonk C, Howe J, Dixit R, Adams K, Krevat S, Jones R, Ratwani RM. Identifying safety hazards associated with intravenous vancomycin through the analysis of patient safety event reports. *Patient Safety* 2020 Mar.

Reviews

1. Spiegel R, Radecki R. Obtaining blood cultures before the administration of antibiotics and other emergency department fables: an analysis of the fabled study: December 2020 annals of emergency medicine journal club. *Ann Emerg Med* 2020 Dec. 76(6):808-810. PMID: 33222789.
2. Johnson-Arbor K, Smolinske S. Stoned on spices: a mini-review of three commonly abused household spices. *Clin Toxicol (Phila)*. 2020 Nov 16. PMID: 33191804.
3. Kunas G, Smereck J, Ladkany D, Davis J. Pharmacologically-induced recreational priapism: case report and review. *Clinical Practice and Cases in Emergency Medicine* 2020 Oct 09. Epub 2020 Aug 14.
4. Radecki RP, Spiegel R. The good, the bad, and evaluation for pulmonary embolism: September 2020 annals of emergency medicine journal club. *Ann Emerg Med* 2020 Sep. 76(3):367-368. PMID: 32828333.
5. Spiegel RS, Radecki RP. Tpa an unnecessary adjunct to endovascular thrombectomy? an analysis of the direct-mt trial: august 2020 annals of emergency medicine journal club. *Ann Emerg Med* 2020 Aug. 76(2):245-246. PMID: 32713484.
6. Gordon D, Spiegel R. Fluid resuscitation: history, physiology, and modern fluid resuscitation strategies. *Emerg Med Clin North Am* 2020 Nov. 38(4):783-793. Epub 2020 Jul 21. PMID: 32981617.

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7. Radecki RP, Spiegel RS. Avoiding disinformation traps in covid-19: July 2020 annals of emergency medicine journal club. *Ann Emerg Med* 2020 Jul. 76(1):111-112. EPub 2020 May 8. PMID: 32591118.
8. Zheng K, Ratwani RM, Adler-Milstein J. Studying workflow and workarounds in electronic health record-supported work to improve health system performance. *Ann Intern Med* 2020 Jun 2. 172(11_Supplement):S116-S122. PMID: 32479181.
9. Mehta N, Mazer-Amirshahi M, Alkindi N, Pourmand A. Pharmacotherapy in covid-19; a narrative review for emergency providers. *Am J Emerg Med* 2020 Apr 15. EPub 2020 Apr 15. PMID: 32336586.
10. Tebo C, Gibson C, Mazer-Amirshahi M. Hemophilia and von willebrand disease: a review of emergency department management. *J Emerg Med* 2020 Apr 2. EPub 2020 Apr 2. PMID: 32249010.
11. Radecki RP, McNaughton CD, Spiegel RJ. The mysterious, magical oseltamivir: april 2020 annals of emergency medicine journal club. *Ann Emerg Med* 2020 Apr. 75(4):548-549. PMID: 32216886.
12. Chavez S, Long B, Koyfman A, Liang SY. Coronavirus disease (covid-19): a primer for emergency physicians. *Am J Emerg Med* 2020 Mar 24. EPub 2020 Mar 24. PMID: 32265065.
13. McKenzie KE, Mayorga ME, Miller KE, Singh N, Arnold RC, Romero-Brufau S. Notice to comply: a systematic review of clinician compliance with guidelines surrounding acute hospital-based infection management. *Am J Infect Control* 2020 Aug. 48(8):940-947. EPub 2020 Mar 17. PMID: 32192754.
14. Hall KK, Shoemaker-Hunt S, Hoffman L, Richard S, Gall E, Schoyer E, Costar D, Gale B, Schiff G, Miller K, Earl T, Katapodis N, Sheedy C, Wyant B, Bacon O, Hassol A, Schneiderman S, Woo M, LeRoy L, Fitall E, Long A, Holmes A, Riggs J, Lim A. Making healthcare safer III: a critical analysis of existing and emerging patient safety practices. Agency for Healthcare Research and Quality (US) 2020 Mar. EPub 2020 Mar. PMID: 32255576.
15. Zaatari S, Radecki RP, Spiegel R. Vitamin c may not help your cold, but can it treat sepsis and acute respiratory distress syndrome?: march 2020 annals of emergency medicine journal club. *Ann Emerg Med* 2020 Mar. 75(3):455-457. PMID: 32087866.
16. Martin J, Mazer-Amirshahi M, Pourmand A. The impact of hyperoxia in the critically ill patient: a review of the literature. *Respir Care* 2020 Feb 11. EPub 2020 Feb 11. PMID: 32047122.
17. Spiegel R, Gordon D, Marik PE. The origins of the lacto-bolo reflex: the mythology of lactate in sepsis. *J Thorac Dis* 2020 Feb. 12(Suppl 1): S48-S53. PMID: 32148925.
18. Radecki RP, McNaughton CD, Spiegel RS. Everything cold is new again: February 2020 annals of emergency medicine journal club. *Ann Emerg Med* 2020 Feb. 75(2):309-310. PMID: 31959314.

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Grants

1. Galarraga J. An evaluation of avoidable hospitalizations in the District of Columbia. Latham Foundation. End Date 2020 Dec. Start Date 2019 Jan.
2. Galarraga J. Impact of hospital global budgeting and pay-for-performance. Emergency Medicine Foundation. End Date 2020 Dec. Start Date 2018 Jun.

Abstracts (National/International)

1. Pontius E. Teaching toxicology to emergency medicine residents: a flipped classroom approach. ACEP20 Research Forum - Virtual Poster 2020 Oct 26.
2. Galarraga JE, Pines JM, Huang S, Woodcock C, Fairbanks RJ, Delia D. Increase in ambulance diversion after Maryland's hospital global budgeting. AcademyHealth Annual Research Meeting. 2020 Aug.
3. Ong H, Mazer-Amirshahi M, Fox E, Ziesenitz VC. Us shortages of medications included in the 2019 who model list of essential medicines for children. Pediatric Academic Societies, Philadelphia PA 2020 May 5.
4. Harvey H, Mazer-Amirshahi M. Efficacy and tolerability of oral morphine vs. oxycodone/acetaminophen for analgesia in the emergency department. SAEM20 Scientific Assembly, Denver, CO. 2020 May.
5. Aljohani B, Quan T, Mazer-Amirshahi M. Utilization of quinolones among patients presenting to us emergency department. SAEM20 Scientific Assembly, Denver, CO. 2020 May.
6. Nable JV, Bhat R, Isserman J, Smereck J, Wilson M, Maloy K. Learner perceptions of electronic end-of-shift evaluations on an emergency medicine clerkship. AEM Education and Training. AEM Education and Training. 2020 Mar 31.

Didactic presentation - (Grand Rounds/Outside of home dept)

1. Booker E. Telehealth and teletriage. University of Florida, Gainesville, Florida. 2020 Dec 10.

Alternative Media

1. Hudson K. Three things to consider before kids resume playing sports, according to a physician. The Washington Post 2020 Aug 4.
2. Chavez S. Prostatitis: ED presentation, evaluation, management, and complications. EmDocs 2020 Feb 20.
3. Chavez S. Policy playbook: workplace violence and you. EmDocs 2020 Feb 11.