



Department of Emergency Medicine
Scholarly Activity 2022-2023

Publications

1. **Alter SM**, Gonzalez M, **Solano JJ**, **Clayton LM**, **Hughes PG**, **Shih RD**. Comparing rates of skull fractures in female versus male geriatric patients who sustain head injuries. *American Journal of Emergency Medicine*. 2023;65:168-171. PMID: 36640625.
2. **Alter SM**, Temple CA, **Solano JJ**, **Hughes PG**, **Clayton LM**, **Shih RD**. Time from hospital presentation to head imaging in White, Black, and Hispanic geriatric trauma patients. *American Journal of Emergency Medicine*. 2022;59:152-155. PMID: 35868208.
3. Ardeljan AD, Fiedler B, Fiedler L, Luck GR, Maki DG, **Clayton L**, Hennekens CH, Ferris A. Naloxone Over the Counter: Increasing Opportunities and Challenges for Health Providers. *American Journal of Medicine*. 2023;136(6):504-506. PMID: 36750143.
4. **Billington M**, O'Malley G F. Carbon Monoxide Poisoning. *VisualDx (Medical App)*. Updated March 12, 2023.
5. **Bruno TW**, Janwadkar R, **Clayton LM**, **Hughes PG**, **Solano JJ**, **Shih RD**, Bilello LA, Hughes MJ, **Alter SM**. Impact of COVID-19 on Emergency Medicine Resident Procedure Performance. *Academic Emergency Medicine Education and Training*. 2022;6(6):e10832. PMID: 36562022.
6. **Busko AM**, **Solano JJ**, **Clayton LM**, **Hughes PG**, Paley RJ, **Shih RD**, **Alter SM**. The Role of Thromboelastography in Identifying Coagulopathy Among Geriatric Traumatic Brain Injury Patients. *Cureus*. 14(12):e32818.
7. **Calhoun EA**, **Shih RD**, **Hughes PG**, **Solano JJ**, **Clayton LM**, **Alter SM**. Head computerized tomography in emergency department evaluation of the geriatric patient with generalized weakness. *Journal of the American College of Emergency Physicians Open*. 2023;4(4):e12998. PMID: 37389326.
8. Diercks DB, Adkins EJ, Harrison N, Sokolove PE, Kwok H, Wolf SJ and the American College of Emergency Physicians Clinical Policies Committee (**Shih RD**). Clinical Policy: Critical Issues in the Evaluation and Management of Emergency Department Patients with Suspected Appendicitis. *Annals of Emergency Medicine*. 2023;81(6):e115–e152. PMID: 37210169.
9. Expert Panel on Gastrointestinal Imaging: Russo GK, Zaheer A, Kamel IR, Porter KK, Archer-Arroyo K, Bashir MR, Cash BD, Fung A, Marion McCrary M, McGuire BM; **Shih, RD**; Stowers J, Thakrar KH, Vi A, Wahab SA, Zukotynski K, Carucci LR. ACR Appropriateness Criteria® Right Upper Quadrant Pain: 2022 Update. *Journal of the American College of Radiology*. 2023;20(5S):S211-S223. PMID: 37236744.
10. Expert Panel on Neurological Imaging; Utukuri PS, Shih RY, Ajam AA, Callahan KE, Chen D, Dunkle JW, Hunt CH, Ivanidze J, Ledbetter LN, Lee RK, Malu O, Pannell JS, Pollock JM, Potrebic SX, Setzen M, **Shih RD**, Soares BP, Staudt MD, Wang LL, Burns J. ACR Appropriateness Criteria® Headache: 2022 Update. *Journal of the American College of Radiology*. 2023;20(5S):S70-S93. PMID: 37236753.
11. Foster J, Goldman S, **Hughes PG**, Iragavarapu V, Drowos J. Launching a Teaching Academy (Virtually) During a Pandemic: Silver Linings to a Challenge. *Cureus*. 2023;15(4):e37245. PMID: 37168201.
12. Goldstein LN, **Wells M**. DIDO: Dubious (weight-estimation) data in, dubious (dosing) data out. *Emergency Medicine Australasia*. 2022 Dec;34(6):1028-1029. PMID: 36038145.

13. **Greaves SW, Alter SM, Ahmed RA, Hughes KE, Doos D, Clayton LM, Solano JJ, Echeverri S, Shih RD, Hughes PG.** A Simulation-Based PPE Orientation Training Curriculum for Novice Physicians. *Infection Prevention in Practice*. 2023;5(1):100265. PMID: 36536774.
14. **Lamour D, Vafadari N, Clayton LM, Solano JJ, Hughes PG, Shih RD, Alter SM.** Treatment of COVID-19 with Monoclonal Antibody Therapy: Patient Reported Outcomes. *Cureus*. 2022;14(9):e29247. PMID: 36277574.
15. Jonathan H, Valente JH, Anderson JD, Paolo WF, Sarmiento K, Tomaszewski CA, Haukoos JS, Wolf SJ and the American College of Emergency Physicians Clinical Policies Committee (**Shih RD**). Clinical Policy: Critical Issues in the Management of Adult Patients Presenting to the Emergency Department with Mild Traumatic Brain Injury. *Annals of Emergency Medicine*. 2023;81(5):e63-e105. PMID: 37085214.
16. **Plantak M, Alter SM, Clayton LM, Hughes PG, Shih RD, Mendiola M, Solano JJ.** Pelvic Exam Laws in the United States: A Systematic Review. *American Journal of Law & Medicine*. 2022;48(4):412-419. PMID: 37039755.
17. Robishaw JD, DeMets DL, **Alter SM**, Krasnoff J, Hennekens CH, Wood SK. "Research Integrity: The Roles of Academicians, their Institutions and Other Agencies" in Joel Faintuch and Salomao Faintuch (eds) Integrity of Scientific Research: Fraud, Misconduct and Fake News in the Academic, Medical and Social Environment (Springer, 2022).
18. Silvers SM, Gemme SR, Hickey S, Mattu A, Haukoos JS, Wolf SJ and the American College of Emergency Physicians Clinical Policies Committee (**Shih RD**). Clinical Policy: Critical Issues in the Evaluation and Management of Adult Patients Presenting to the Emergency Department With Acute Heart Failure Syndromes. *Annals of Emergency Medicine*. 2022;80(4):e31-e59. PMID: 36153055.
19. **Solano JJ, Clayton LM, Hughes PG, Shih RD, Alter SM.** Thromboelastography in a Cohort of Geriatric Traumatic Brain Injury Patients [abstract]. *Journal of Emergency Medicine*. 2023;64(3):426-428.
20. **Solano JJ, Clayton LM, Hughes PG, Shih RD, Alter SM, Lahiri S.** Effect of Diabetes on the Risk of Traumatic Hemorrhage Following Head Injury in Geriatric Patients [abstract]. *Journal of Emergency Medicine*. 2023;64(3):425-426.
21. **Taveras AN, Clayton LM, Solano JJ, Hughes PG, Shih RD, Alter SM.** Sudden Decompensation of Patients Admitted to Non-ICU settings within 24 hours of Emergency Department Admission. *Journal of Intensive Care Medicine*. 2023;38(4):399-403. PMID: 36172632.
22. **Turchiaro M, Solano J, Shih R, Hughes P, Clayton L, Alter S.** Computer Tomography Imaging of Geriatric Patients With Uncertain Head Trauma [abstract 242]. *Annals of Emergency Medicine*. 2022;80(4S):S106.
23. **Wells M, Goldstein L.** Appropriate Statistical Analysis and Data Reporting for Weight Estimation Studies. *Pediatric Emergency Care*. 2023;39(1):62-63. PMID: 36190388.
24. **Wells M, Goldstein LN.** Estimating Lean Body Weight in Adults With the PAWPER XL-MAC Tape Using Actual Measured Weight as an Input Variable. *Cureus*. 2022;14(9):e29278. PMID: 36277563.
25. **Wells M, Goldstein LN, Cattermole G.** Development and Validation of a Length- and Habitus-Based Method of Ideal and Lean Body Weight Estimation for Adults Requiring Urgent Weight-Based Medical Intervention. *European Journal of Drug Metabolism and Pharmacokinetics*. 2022 Nov;47(6):841-853. PMID: 36123560.
26. Zirulnik AW, **Shih R**, Engstrom G, Liu SW. Alcohol Use and Head Trauma Among Older Adults in Florida [abstract 293]. *Academic Emergency Medicine*. 2023;30(S1):142.

Grants

1. **Shih RD, Alter SM, Solano JJ, Clayton LM, Hughes PG**, Ouslander JG. Geriatric Emergency Department Fall Injury Prevention Project. Florida Medical Malpractice Joint Underwriting Association Grant for Safety of Health Care Services #2022-01. July 1, 2022 to June 30, 2024. \$1,000,000.

Oral Presentations

1. **Billington, M.** "Out of Balance: Toxicity of Endocrine Agents" online lecture in American College of Medical Toxicology Total Tox Course; November 4, 2022.
2. Demirjian G, Engstrom G, **Alter SM**. CT or No CT: Imaging Geriatric Patients with Head Injuries in the Emergency Department, an Analysis of 14-Day Return Visits and Mortality. Oral presentation at: American Roentgen Ray Society Annual Meeting; April 16-20, 2023; Honolulu, Hawaii.
3. Fukuoka-Armitage K, **Alter SM, Solano JJ, Clayton LM, Hughes PG, Shih RD**. Trauma Activation by EMS of Head Injured Geriatric Patients. Oral presentation at: Mediterranean Emergency Medicine Congress; September 21-24, 2022; St. Julian's, Malta.
4. Lahiri S, **Alter SM, Solano JJ, Clayton LM, Hughes PG, Shih RD**. Effect of Diabetes on the Risk of Traumatic Hemorrhage Following Head Injury in Geriatric Patients. Oral presentation at: Mediterranean Emergency Medicine Congress; September 21-24, 2022; St. Julian's, Malta.
5. **Pierce B, Solano JJ, Clayton LM, Hughes PG, Shih RD, Alter SM**. Effect of factor Xa inhibitors on rates of intracranial hemorrhage and mortality in geriatric patients with blunt head trauma. Oral presentation at: American Academy of Emergency Medicine Scientific Assembly; April 21-23, 2023; New Orleans, LA.
6. Ramsamooj K, **Alter SM, Solano JJ, Clayton LM, Hughes PG, Shih RD**. The Effect of Alcohol on Geriatric Patients Sustaining Head Trauma. Oral presentation at: Mediterranean Emergency Medicine Congress; September 21-24, 2022; St. Julian's, Malta.
7. **Solano JJ, Alter SM, Clayton LM, Hughes PG, Shih RD**. Thromboelastography in a Cohort of Geriatric Traumatic Brain Injury Patients. Oral presentation at: Mediterranean Emergency Medicine Congress; September 21-24, 2022; St. Julian's, Malta.
8. **Turchiaro ML, Solano JJ, Shih RD, Hughes PG, Clayton LM, Alter SM**. Computed Tomography Imaging of Geriatric Patients with Uncertain Head Trauma. Oral presentation at: 2022 American College of Emergency Physicians Research Forum; October 1-4, 2022; San Francisco, CA.

Poster Presentations

1. Castro MD, **Alter SM, Solano JJ, Shih RD**. Thromboelastography Differences in Geriatric Patients with Traumatic Intracranial Hemorrhage by Unfavorable or Favorable Outcomes. Poster presented at: Palm Beach County Medical Society 2022 James J. Byrnes, MD Poster Symposium. September 24, 2022; West Palm Beach, FL.
2. Fukuoka-Armitage KM, **Alter SM, Solano JJ, Shih RD**. Trauma Activation by EMS of Head Injured Geriatric Patients. Poster presented at: Florida Medical Association 2022 David A Paulus, MD Poster Symposium; August 5-7, 2022; Orlando, FL.
3. Knopp BW, **Solano JJ, Clayton LM, Hughes PG, Shih RD, Alter SM**. Repeat Fall Risk in Geriatric Patients Following Fall-Induced Head Injury. Poster presented at: Florida College of Emergency Physicians Symposium by the Sea; August 5-6, 2022; Bonita Springs, FL.

4. Lahiri S, **Solano JJ**, **Clayton LM**, **Hughes PG**, **Shih RD**, **Alter SM**. The Effect of Diabetes on the Risk of Intracranial Hemorrhage Following Head Injury in Geriatric Patients. Poster presented at: Florida College of Emergency Physicians Symposium by the Sea; August 5-6, 2022; Bonita Springs, FL.
5. Mercer K, Abraham R, **Billington M**, Feinstein J, Winter M. Assessment of time delays of Intravenous N-acetylcysteine doses for the treatment of presumed acetaminophen toxicity in a multicenter health system. Poster presented at: North American Congress of Clinical Toxicology; September 14-18, 2022; San Francisco, CA.
6. Zirulnik AW, **Shih R**, Engstrom G, Liu SW. Alcohol Use and Head Trauma Among Older Adults in Florida. Poster presented at: Society for Academic Emergency Medicine Annual Meeting; May 18, 2023; Austin, TX.