

Trauma

1. Wray JP, Bridwell RE, Schauer SG, Shackelford SA, Bebartá VS, Wright FL, Bynum J, Long B. The diamond of death: Hypocalcemia in trauma and resuscitation. *Am J Emerg Med.* 2021;41:104-9.
2. Rivas L, Estroff J, Sparks A, Nahmias J, Allen R, Smith SR, Kutcher M, Carter K, Grigorian A, Albertson S, Turay D, Quispe JC, Luo-Owen X, Vella M, Pascual J, Tororello G, Quattrone M, Bernard A, Ratnasekera A, Lee A, Tamburrini D, Rodriguez C, Harrell K, Jeyamurugan K, Bugaev N, Warner A, Weinberger J, Hazelton JP, Selevany M, Wright F, Kovar A, Urban S, Hamrick A, Mount M, Carrick M, Cullinane DC, Chang G, Jain G, Spalding C, Sarani B. The incidence of venous thromboembolic events in trauma patients after tranexamic acid administration: An EAST multicenter study. *Blood Coagul Fibrinolysis.* 2021;32(1):37-43.
3. Dylla L, Anderson EL, Douin DJ, Jackson CL, Rice JD, Schauer MSG, Neumann RT, Bebartá CVS, Wright FL, Ginde AA. A quasi-experimental study of targeted normoxia in critically ill trauma patients. *J Trauma Acute Care Surg.* 2021.
4. Douin DJ, Anderson EL, Dylla L, Rice JD, Jackson CL, Wright FL, Bebartá VS, Schauer SG, Ginde AA. Association between hyperoxia, supplemental oxygen, and mortality in critically injured patients. *Crit Care Explor.* 2021;3(5):e0418.
5. D'Agostino R, Kursinskis A, Parikh P, Letarte P, Harmon L, Semon G. Management of penetrating traumatic brain injury: Operative versus non-operative intervention. *J Surg Res.* 2021;257:101-6.
6. Coleman JR, Carmichael H, Zangara T, Dunn J, Schroepfel TJ, Campion E, Goodman M, Hosokawa P, Sauaia A, Moore EE, Bunn B, Floren M, Ferrigno L. A stitch in time saves clots: Venous thromboembolism chemoprophylaxis in traumatic brain injury. *J Surg Res.* 2021;258:289-98.
7. Cirone J, Keskey R, Hampton D, Slidell M, Crandall M, Rattan R, Velopulos CG, Allen D, Williams BH, Wilson K, Zakrisson TL. Recent release from prison - a novel risk factor for intimate partner homicide. *J Trauma Acute Care Surg.* 2021;90(1):107-12.
8. Carmichael H, Samuels JM, Jamison EC, Bol KA, Coleman JJ, Campion EM, Velopulos CG. Finding the elusive trauma denominator: Feasibility of combining data sets to quantify the true burden of firearm trauma. *J Trauma Acute Care Surg.* 2021;90(3):466-70.
9. Afshar M, Baker K, Corral J, Ross E, Lowery E, Gonzalez R, Burnham EL, Callcut RA, Kornblith LZ, Hendrickson C, Kovacs EJ, Joyce C. Internal and external validation of an alcohol biomarker for screening in trauma. *Ann Surg.* 2021.
10. Samuels JM, Carmichael H, Kovar A, Urban S, Vega S, Velopulos C, McIntyre RC, Jr. Exercise caution using hepatic angioembolization in the stable trauma patient: In reply to Clements and colleagues. *J Am Coll Surg.* 2020;231(6):778.
11. Samuels JM, Carmichael H, Kovar A, Urban S, Vega S, Velopulos C, McIntyre RC, Jr. Reevaluation of hepatic angioembolization for trauma in stable patients: Weighing the risk. *J Am Coll Surg.* 2020;231(1):123-31.e3.
12. Nelson JT, Coleman JR, Carmichael H, Mauffrey C, Vintimilla DR, Samuels JM, Sauaia A, Moore EE. High rate of fibrinolytic shutdown and venous thromboembolism in patients with severe pelvic fracture. *J Surg Res.* 2020;246:182-9.
13. Harmon LA. Response to "letter to the editor"-infection after penetrating brain injury-an Eastern Association for the Surgery of Trauma multicenter study oral presentation at the 32nd annual meeting of the Eastern Association for the Surgery of Trauma, January 15-19, 2019, Austin, Texas. *J Trauma Acute Care Surg.* 2020;88(3):e119-e20.
14. Foster SM, Knight J, Velopulos CG, Bonne S, Joseph D, Santry H, Coleman JJ, Callcut RA. Gender distribution and leadership trends in trauma surgery societies. *Trauma Surg Acute Care Open.* 2020;5(1):e000433.

15. Velopulos CG, Carmichael H, Zakrison TL, Crandall M. Comparison of male and female victims of intimate partner homicide and bidirectionality-an analysis of the national violent death reporting system. *J Trauma Acute Care Surg.* 2019;87(2):331-6.
16. Noble R, Moore HB, Velopulos CG, Birnbaum E, Vogel JB. Pneumoperitoneum not created equally. *J Trauma Acute Care Surg.* 2019;87(2):502-4.
17. Kovar A, Carmichael H, McIntyre RC, Jr., Mago J, Gladden AH, Peltz ED, Wright FL. The extremity/mechanism/shock index/gcs (ems-g) score: A novel pre-hospital scoring system for early and appropriate mtp activation. *Am J Surg.* 2019;218(6):1195-200.
18. Halpern AL, Burton CR, Steward LT. Ligation of common carotid artery after penetrating neck trauma. *J Trauma Acute Care Surg.* 2019;87(2):505-7.
19. Carmichael H, Steward L, Velopulos CG. It doesn't just happen to "other" people - an exploration of occupation and education level of women who die from intimate partner violence. *Am J Surg.* 2019;218(4):744-8.
20. Carmichael H, Steward L, Peltz ED, Wright FL, Velopulos CG. Preventable death and interpersonal violence in the united states: Who can be saved? *J Trauma Acute Care Surg.* 2019;87(1):200-4.
21. Abolarin J, McLafferty L, Carmichael H, Velopulos CG. Family can hurt you the most: Examining perpetrators in multiple casualty events. *J Surg Res.* 2019;242:172-6.

Acute Care Surgery

1. Samuels JM, Helmkamp L, Carmichael H, Rothchild K, Schoen J. Determining the incidence of postbariatric surgery emergency department utilization: An analysis of a statewide insurance database. *Surg Obes Relat Dis.* 2021.
2. Estrella JB, Carmichael H, Myers QWO, Lee S, Velopulos CG. Making it complicated: Does disparity in access to care lead to more perforated appendicitis? *J Surg Res.* 2021;266:405-12.
3. El Hechi M, Kongkaewpaisan N, Naar L, Aicher B, Diaz J, Jr., O'Meara L, Decker C, Rodriguez J, Schroepfel T, Rattan R, Vasileiou G, Yeh DD, Simonoski U, Turay D, Cullinane D, Emmert C, McCrum M, Wall N, Badach J, Goldenberg-Sandau A, Carmichael H, Velopulos C, Choron R, Sakran J, Bekdache K, Black G, Shoultz T, Chadnick Z, Sim V, Madbak F, Steadman D, Camazine M, Zielinski M, Hardman C, Walusimbi M, Kim M, Rodier S, Papadopoulos V, Tsoulfas G, Perez J, Kaafarani HMA. The emergency surgery score accurately predicts the need for postdischarge respiratory and renal support after emergent laparotomies: A prospective EAST multicenter study. *J Trauma Acute Care Surg.* 2021;90(3):557-64.
4. El Hechi M, Kongkaewpaisan N, El Moheb M, Aicher B, Diaz J, Jr., O'Meara L, Decker C, Rodriguez J, Schroepfel T, Rattan R, Vasileiou G, Yeh DD, Simonoski U, Turay D, Cullinane D, Emmert C, McCrum M, Wall N, Badach J, Goldenberg-Sanda A, Carmichael H, Velopulos C, Choron R, Sakran J, Bekdache K, Black G, Shoultz T, Chadnick Z, Sim V, Madbak F, Steadman D, Camazine M, Zielinski M, Hardman C, Walusimbi M, Kim M, Rodier S, Papadopoulos V, Tsoulfas G, Perez J, Kaafarani H. The emergency surgery score (ess) and outcomes in elderly patients undergoing emergency laparotomy: A post-hoc analysis of an EAST multicenter study. *Am J Surg.* 2021;221(5):1069-75.
5. Demyan L, Siskind S, Harmon L, Ramirez CL, Bank MA, Dela Cruz RA, Giangola MD, Patel VM, Scalea TM, Stein DM, Botwinick I. Do it to them, not to me: Doctors' and nurses' personal preferences versus recommendations for end-of-life care. *J Surg Res.* 2021;264:76-80.
6. Carmichael H. The surgeon and the mother. *N Engl J Med.* 2021;384(4):302-3.
7. Vemuru SR, Stettler GR, Betz ME, Ferrigno L. Gastric perforation secondary to bag-valve mask ventilation following opioid overdose. *Am Surg.* 2020;3134820945197.
8. Samuels JM, Carmichael H, Wikiel KJ, Robinson TN, Barnett CC, Jr., Jones TS, Jones EL. Carbon dioxide can eliminate operating room fires from alcohol-based surgical skin preps. *Surg Endosc.* 2020;34(4):1863-7.
9. Khanna AK, Bergese SD, Jungquist CR, Morimatsu H, Uezono S, Lee S, Ti LK, Urman RD, McIntyre R, Jr., Tornero C, Dahan A, Saager L, Weingarten TN, Wittmann M, Auckley D, Brazzi L, Le Guen M, Soto R, Schramm F, Ayad S, Kaw R, Di Stefano P, Sessler DI, Uribe A, Moll V, Dempsey SJ, Buhre W, Overdyk FJ. Prediction of opioid-induced respiratory depression on inpatient wards using continuous capnography and oximetry: An international prospective, observational trial. *Anesth Analg.* 2020;131(4):1012-24.
10. Kaafarani HMA, Kongkaewpaisan N, Aicher BO, Diaz JJ, Jr., O'Meara LB, Decker C, Rodriguez J, Schroepfel T, Rattan R, Vasileiou G, Yeh DD, Simonoski UJ, Turay D, Cullinane DC, Emmert CB, McCrum ML, Wall N, Badach J, Goldenberg-Sandau A, Carmichael H, Velopulos C, Choron R, Sakran JV, Bekdache K, Black G, Shoultz T, Chadnick Z, Sim V, Madbak F, Steadman D, Camazine M, Zielinski MD, Hardman C, Walusimbi M, Kim M, Rodier S, Papadopoulos VN, Tsoulfas G, Perez JM, Velmahos GC. Prospective validation of the emergency surgery score in emergency general surgery: An Eastern Association for the Surgery of Trauma multicenter study. *J Trauma Acute Care Surg.* 2020;89(1):118-24.
11. Houk AK, Harmon LA. Abdominal compartment syndrome: A rare complication of pentobarbital treatment for new-onset refractory status epilepticus. *Am Surg.* 2020;86(3):e150-e2.

12. Flum DR, Davidson GH, Monsell SE, Shapiro NI, Odom SR, Sanchez SE, Drake FT, Fischkoff K, Johnson J, Patton JH, Evans H, Cuschieri J, Sabbatini AK, Faine BA, Skeete DA, Liang MK, Sohn V, McGrane K, Kutcher ME, Chung B, Carter DW, Ayoung-Chee P, Chiang W, Rushing A, Steinberg S, Foster CS, Schaetzel SM, Price TP, Mandell KA, Ferrigno L, Salzberg M, DeUgarte DA, Kaji AH, Moran GJ, Saltzman D, Alam HB, Park PK, Kao LS, Thompson CM, Self WH, Yu JT, Wiebusch A, Winchell RJ, Clark S, Krishnadasan A, Fannon E, Lavallee DC, Comstock BA, Bizzell B, Heagerty PJ, Kessler LG, Talan DA. A randomized trial comparing antibiotics with appendectomy for appendicitis. *N Engl J Med.* 2020;383(20):1907-19.
13. Eaton BC, Vesselinov R, Ahmeti M, Stansbury JJ, Regner J, Sadler C, Nevarez S, Lissauer M, Stout L, Harmon L, Glassett B, Hampton DA, Castro HJ, Cunningham K, Mulkey S, O'Meara L, Dia JJ, Bruns BR. Surgical faculty perception of service-based advanced practice provider impact: A southwestern surgical congress multicenter survey. *Am Surg.* 2020:3134820956929.
14. Carmichael H, Moore A, Steward L, Velopulos CG. Disparities in emergency versus elective surgery: Comparing measures of neighborhood social vulnerability. *J Surg Res.* 2020;256:397-403.
15. Boccalandro F, Shreyder K, Harmon L, Dhindsa M, Fahim T, Sheikh S. Five-year follow-up of patients with radio-contrast-induced acute renal injury. Can intravenous sodium-bicarbonate improve long-term outcomes? *Cardiovasc Revasc Med.* 2020.
16. Aicher BO, Hernandez MC, Betancourt-Ramirez A, Grossman MD, Heise H, Schroepfel TJ, Kongkaewpaisan N, Kaafarani HMA, Wagner A, Grabo D, Scott M, Peck G, Chang G, Matsushima K, Cullinane DC, Cullinane LM, Stocker B, Posluszny J, Simonoski UJ, Catalano RD, Vasileiou G, Yeh DD, Agrawal V, Truitt MS, Pickett M, Dultz L, Muller A, Ong AW, San Roman JL, Barth N, Fackelmayer O, Velopulos CG, Hendrix C, Estroff JM, Gambhir S, Nahmias J, Jeyamurugan K, Bugaev N, Portillo V, Carrick MM, O'Meara L, Kufera J, Zielinski MD, Bruns BR. Colorectal resection in emergency general surgery: An EAST multicenter trial. *J Trauma Acute Care Surg.* 2020;89(6):1023-31.
17. Rushing A, Bugaev N, Jones C, Como JJ, Fox N, Cripps M, Robinson B, Velopulos C, Haut ER, Narayan M. Management of acute appendicitis in adults: A practice management guideline from the Eastern Association for the Surgery of Trauma. *J Trauma Acute Care Surg.* 2019;87(1):214-24.
18. Moore AN, Carmichael H, Steward L, Velopulos CG. Cholecystectomy: Exploring the interplay between access to care and emergent presentation. *J Surg Res.* 2019;244:352-7.
19. Carmichael H, Samuels JM, Wikiel KJ, Robinson TN, Barnett CC, Jr., Jones TS, Jones EL. Surgical smoke evacuators reduce the risk of fires from alcohol-based skin preparations. *Surg Laparosc Endosc Percutan Tech.* 2019;29(6):e94-e7.
20. Carmichael H, Overbey DM, Hosokawa P, Goode CM, Jones TS, Barnett CC, Jr., Jones EL, Robinson TN. Wearable technology-a pilot study to define "normal" postoperative recovery trajectories. *J Surg Res.* 2019;244:368-73.
21. Carmichael H, Moore A, Steward L, Velopulos CG. Using the social vulnerability index to examine local disparities in emergent and elective cholecystectomy. *J Surg Res.* 2019;243:160-4.
22. Global variation in anastomosis and end colostomy formation following left-sided colorectal resection. *BJS Open.* 2019;3(3):403-14.

COVID-19

1. Pormohammad A, Ghorbani S, Khatami A, Razizadeh MH, Alborzi E, Zarei M, Idrovo JP, Turner RJ. Comparison of influenza type a and b with covid-19: A global systematic review and meta-analysis on clinical, laboratory and radiographic findings. *Rev Med Virol.* 2021;31(3):e2179.
2. 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, Davey VJ, Goodman A, Higgs ES, Murray DD, Murray TA, Paredes R, Parmar MKB, Phillips AN, Reilly C, Sharma S, Dewar RL, Teitelbaum M, Wentworth D, Cao H, Klekotka P, Babiker AG, Gelijns AC, Kan VL, Polizzotto MN, Thompson BT, Lane HC, Neaton JD. A neutralizing monoclonal antibody for hospitalized patients with covid-19. *N Engl J Med.* 2021;384(10):905-14.
3. Hwang DY, Zhang Q, Andrews A, LaRose K, Gonzalez M, Harmon L, Vermoch K. The initial impact of the coronavirus disease 2019 pandemic on icu family engagement: Lessons learned from a collaborative of 27 icus. *Crit Care Explor.* 2021;3(4):e0401.
4. Fisher KA, Olson SM, Tenforde MW, Self WH, Wu M, Lindsell CJ, Shapiro NI, Files DC, Gibbs KW, Erickson HL, Prekker ME, Steingrub JS, Exline MC, Henning DJ, Wilson JG, Brown SM, Peltan ID, Rice TW, Hager DN, Ginde AA, Talbot HK, Casey JD, Grijalva CG, Flannery B, Patel MM, Feldstein LR. Symptoms and recovery among adult outpatients with and without covid-19 at 11 healthcare facilities-july 2020, united states. *Influenza Other Respir Viruses.* 2021;15(3):345-51.
5. Douin DJ, Shaefi S, Brenner SK, Gupta S, Park I, Wright FL, Mathews KS, Chan L, Al-Samkari H, Orfanos S, Radbel J, Leaf DE. Tissue plasminogen activator in critically ill adults with covid-19. *Ann Am Thorac Soc.* 2021.
6. Timing of surgery following sars-cov-2 infection: An international prospective cohort study. *Anaesthesia.* 2021;76(6):748-58.
7. Sars-cov-2 vaccination modelling for safe surgery to save lives: Data from an international prospective cohort study. *Br J Surg.* 2021.
8. Wright FL, Vogler TO, Moore EE, Moore HB, Wohlauer MV, Urban S, Nydam TL, Moore PK, McIntyre RC, Jr. Fibrinolysis shutdown correlation with thromboembolic events in severe covid-19 infection. *J Am Coll Surg.* 2020;231(2):193-203.e1.
9. Wang J, Hajizadeh N, Moore EE, McIntyre RC, Moore PK, Veress LA, Yaffe MB, Moore HB, Barrett CD. Tissue plasminogen activator (tpa) treatment for covid-19 associated acute respiratory distress syndrome (ards): A case series. *J Thromb Haemost.* 2020;18(7):1752-5.
10. Tenforde MW, Kim SS, Lindsell CJ, Billig Rose E, Shapiro NI, Files DC, Gibbs KW, Erickson HL, Steingrub JS, Smithline HA, Gong MN, Aboodi MS, Exline MC, Henning DJ, Wilson JG, Khan A, Qadir N, Brown SM, Peltan ID, Rice TW, Hager DN, Ginde AA, Stubblefield WB, Patel MM, Self WH, Feldstein LR. Symptom duration and risk factors for delayed return to usual health among outpatients with covid-19 in a multistate health care systems network - united states, march-june 2020. *MMWR Morb Mortal Wkly Rep.* 2020;69(30):993-8.
11. Self WH, Tenforde MW, Stubblefield WB, Feldstein LR, Steingrub JS, Shapiro NI, Ginde AA, Prekker ME, Brown SM, Peltan ID, Gong MN, Aboodi MS, Khan A, Exline MC, Files DC, Gibbs KW, Lindsell CJ, Rice TW, Jones ID, Halasa N, Talbot HK, Grijalva CG, Casey JD, Hager DN, Qadir N, Henning DJ, Coughlin MM, Schiffer J, Semenova V, Li H, Thornburg NJ, Patel MM. Decline in sars-cov-2 antibodies after mild infection among frontline health care personnel in a multistate hospital network - 12 states, april-august 2020. *MMWR Morb Mortal Wkly Rep.* 2020;69(47):1762-6.

12. Self WH, Tenforde MW, Stubblefield WB, Feldstein LR, Steingrub JS, Shapiro NI, Ginde AA, Prekker ME, Brown SM, Peltan ID, Gong MN, Aboodi MS, Khan A, Exline MC, Files DC, Gibbs KW, Lindsell CJ, Rice TW, Jones ID, Halasa N, Talbot HK, Grijalva CG, Casey JD, Hager DN, Qadir N, Henning DJ, Coughlin MM, Schiffer J, Semenova V, Li H, Thornburg NJ, Patel MM. Seroprevalence of sars-cov-2 among frontline health care personnel in a multistate hospital network - 13 academic medical centers, april-june 2020. *MMWR Morb Mortal Wkly Rep.* 2020;69(35):1221-6.
13. Self WH, Semler MW, Leither LM, Casey JD, Angus DC, Brower RG, Chang SY, Collins SP, Eppensteiner JC, Filbin MR, Files DC, Gibbs KW, Ginde AA, Gong MN, Harrell FE, Jr., Hayden DL, Hough CL, Johnson NJ, Khan A, Lindsell CJ, Matthay MA, Moss M, Park PK, Rice TW, Robinson BRH, Schoenfeld DA, Shapiro NI, Steingrub JS, Ulysse CA, Weissman A, Yealy DM, Thompson BT, Brown SM, Steingrub J, Smithline H, Tiru B, Tidswell M, Kozikowski L, Thornton-Thompson S, De Souza L, Hou P, Baron R, Massaro A, Aisiku I, Fredenburgh L, Seethala R, Johnsky L, Riker R, Seder D, May T, Baumann M, Eldridge A, Lord C, Shapiro N, Talmor D, O'Mara T, Kirk C, Harrison K, Kurt L, Schermerhorn M, Banner-Goodspeed V, Boyle K, Dubosh N, Filbin M, Hibbert K, Parry B, Lavin-Parsons K, Pulido N, Lilley B, Lodenstein C, Margolin J, Brait K, Jones A, Galbraith J, Peacock R, Nandi U, Wachs T, Matthay M, Liu K, Kangelaris K, Wang R, Calfee C, Yee K, Hendey G, Chang S, Lim G, Qadir N, Tam A, Beutler L, Levitt J, Wilson J, Rogers A, Vojnik R, Roque J, Albertson T, Chenoweth J, Adams J, Pearson S, Juarez M, Almasri E, Fayed M, Hughes A, Hillard S, Huebinger R, Wang H, Vidales E, Patel B, Ginde A, Moss M, Baduashvili A, McKeenan J, Finck L, Higgins C, Howell M, Douglas I, Haukoos J, Hiller T, Lyle C, Cupelo A, Caruso E, Camacho C, Gravitz S, Finigan J, Griesmer C, Park P, Hyzy R, Nelson K, McDonough K, Olbrich N, Williams M, Kapoor R, Nash J, Willig M, Ford H, Gardner-Gray J, Ramesh M, Moses M, Ng Gong M, Aboodi M, Asghar A, Amosu O, Torres M, Kaur S, Chen JT, Hope A, Lopez B, Rosales K, Young You J, Mosier J, Hypes C, Natt B, Borg B, Salvagio Campbell E, Hite RD, Hudock K, Cresie A, Alhasan F, Gomez-Arroyo J, Duggal A, Mehkri O, Hastings A, Sahoo D, Abi Fadel F, Gole S, Shaner V, Wimer A, Meli Y, King A, Terndrup T, Exline M, Pannu S, Robart E, Karow S, Hough C, Robinson B, Johnson N, Henning D, Campo M, Gundel S, Seghal S, Katsandres S, Dean S, Khan A, Krol O, Jouzestani M, Huynh P, Weissman A, Yealy D, Scholl D, Adams P, McVerry B, Huang D, Angus D, Schooler J, Moore S, Files C, Miller C, Gibbs K, LaRose M, Flores L, Koehler L, Morse C, Sanders J, Langford C, Nanney K, MdalaGausi M, Yeboah P, Morris P, Sturgill J, Seif S, Cassity E, Dhar S, de Wit M, Mason J, Goodwin A, Hall G, Grady A, Chamberlain A, Brown S, Bledsoe J, Leither L, Peltan I, Starr N, Fergus M, Aston V, Montgomery Q, Smith R, Merrill M, Brown K, Armbruster B, Harris E, Middleton E, Paine R, Johnson S, Barrios M, Eppensteiner J, Limkakeng A, McGowan L, Porter T, Bouffler A, Leahy JC, deBoisblanc B, Lammi M, Happel K, Lauto P, Self W, Casey J, Semler M, Collins S, Harrell F, Lindsell C, Rice T, Stubblefield W, Gray C, Johnson J, Roth M, Hays M, Torr D, Zakaria A, Schoenfeld D, Thompson T, Hayden D, Ringwood N, Oldmixon C, Ulysse C, Morse R, Muzikansky A, Fitzgerald L, Whitaker S, Lagakos A, Brower R, Reineck L, Aggarwal N, Bienstock K, Freemer M, Maclawiw M, Weinmann G, Morrison L, Gillespie M, Kryscio R, Brodie D, Zareba W, Rompalo A, Boeckh M, Parsons P, Christie J, Hall J, Horton N, Zoloth L, Dickert N, Diercks D. Effect of hydroxychloroquine on clinical status at 14 days in hospitalized patients with covid-19: A randomized clinical trial. *JAMA.* 2020;324(21):2165-76.
14. Pormohammad A, Ghorbani S, Khatami A, Farzi R, Baradaran B, Turner DL, Turner RJ, Bahr NC, Idrovo JP. Comparison of confirmed covid-19 with sars and mers cases - clinical characteristics, laboratory findings, radiographic signs and outcomes: A systematic review and meta-analysis. *Rev Med Virol.* 2020;30(4):e2112.
15. Pormohammad A, Ghorbani S, Baradaran B, Khatami A, R JT, Mansournia MA, Kyriacou DN, Idrovo JP, Bahr NC. Clinical characteristics, laboratory findings, radiographic signs and outcomes of 61,742 patients with confirmed covid-19 infection: A systematic review and meta-analysis. *Microb Pathog.* 2020;147:104390.
16. Murray DD, Babiker AG, Baker JV, Barkauskas CE, Brown SM, Chang CC, Davey VJ, Gelijns AC, Ginde AA, Grund B, Higgs E, Hudson F, Kan VL, Lane HC, Murray TA, Paredes R, Parmar MKB, Pett S, Phillips AN, Polizzotto MN, Reilly C, Sandkovsky U, Sharma S, Teitelbaum M, Thompson BT, Young BE, Neaton JD, Lundgren JD. Design and implementation of the multi-arm, multi-stage therapeutics for inpatients with covid-19 (tico) platform master protocol: An accelerating covid-19 therapeutic interventions and vaccines (activ) initiative. *medRxiv.* 2020.
17. Fisher KA, Tenforde MW, Feldstein LR, Lindsell CJ, Shapiro NI, Files DC, Gibbs KW, Erickson HL, Prekker ME, Steingrub JS, Exline MC, Henning DJ, Wilson JG, Brown SM, Peltan ID, Rice TW, Hager DN, Ginde AA, Talbot HK, Casey JD, Grijalva CG, Flannery B, Patel MM, Self WH. Community and close contact exposures associated with covid-19 among symptomatic adults ≥ 18 years in 11 outpatient health care facilities - united states, july 2020. *MMWR Morb Mortal Wkly Rep.* 2020;69(36):1258-64.

18. Fisher KA, Olson SM, Tenforde MW, Feldstein LR, Lindsell CJ, Shapiro NI, Files DC, Gibbs KW, Erickson HL, Prekker ME, Steingrub JS, Exline MC, Henning DJ, Wilson JG, Brown SM, Peltan ID, Rice TW, Hager DN, Ginde AA, Talbot HK, Casey JD, Grijalva CG, Flannery B, Patel MM, Self WH. Telework before illness onset among symptomatic adults aged ≥ 18 years with and without covid-19 in 11 outpatient health care facilities - united states, july 2020. *MMWR Morb Mortal Wkly Rep.* 2020;69(44):1648-53.

19. Casey JD, Johnson NJ, Semler MW, Collins SP, Aggarwal NR, Brower RG, Chang SY, Eppensteiner J, Filbin M, Gibbs KW, Ginde AA, Gong MN, Harrell F, Hayden DL, Hough CL, Khan A, Leither LM, Moss M, Oldmixon CF, Park PK, Reineck LA, Ringwood NJ, Robinson BRH, Schoenfeld DA, Shapiro NI, Steingrub JS, Torr DK, Weissman A, Lindsell CJ, Rice TW, Thompson BT, Brown SM, Self WH. Rationale and design of orchid: A randomized placebo-controlled clinical trial of hydroxychloroquine for adults hospitalized with covid-19. *Ann Am Thorac Soc.* 2020;17(9):1144-53.

20. Barrett CD, Moore HB, Moore EE, McIntyre RC, Moore PK, Burke J, Hua F, Apgar J, Talmor DS, Sauaia A, Liptzin DR, Veress LA, Yaffe MB. Fibrinolytic therapy for refractory covid-19 acute respiratory distress syndrome: Scientific rationale and review. *Res Pract Thromb Haemost.* 2020;4(4):524-31.

21. Mortality and pulmonary complications in patients undergoing surgery with perioperative sars-cov-2 infection: An international cohort study. *Lancet.* 2020;396(10243):27-38.

Burn

1. Carmichael H, Michel S, Smith TM, Duffy PS, Wiktor AJ, Lambert Wagner A. Remote delivery of thrombolytics prior to transfer to a regional burn center for tissue salvage in frostbite: A single center experience of 199 patients. *J Burn Care Res.* 2021.
2. Wheatley EG, Curtis BJ, Hulsebus HJ, Boe DM, Najarro K, Ir D, Robertson CE, Choudhry MA, Frank DN, Kovacs EJ. Advanced age impairs intestinal antimicrobial peptide response and worsens fecal microbiome dysbiosis following burn injury in mice. *Shock.* 2020;53(1):71-7.
3. Moffatt LT, Madrzykowski D, Gibson ALF, Powell HM, Cancio LC, Wade CE, Choudhry MA, Kovacs EJ, Finnerty CC, Majetschak M, Shupp JW. Standards in biologic lesions: Cutaneous thermal injury and inhalation injury working group 2018 meeting proceedings. *J Burn Care Res.* 2020;41(3):604-11.
4. Jeschke MG, Phelan HA, Wolf S, Romanowski K, Rehou S, Saetamal A, Weber J, Schulz J, New C, Wiktor A, Foster C, Deeter L, Tuohy K. State of the science burn research: Burns in the elderly. *J Burn Care Res.* 2020;41(1):65-83.
5. Carmichael H, Dyamenahalli K, Duffy PS, Lambert Wagner A, Wiktor AJ. Triage and transfer to a regional burn center-impact of a mobile phone app. *J Burn Care Res.* 2020;41(5):971-5.
6. Steward L, Wagner AL, Neumann R, Wiktor AJ. Delayed presentation of a vertex epidural hematoma following high-voltage electrical injury to the head. *J Burn Care Res.* 2019;40(4):517-9.
7. Rech MA, Mosier MJ, McConkey K, Zelisko S, Netzer G, Kovacs EJ, Afshar M. Outcomes in burn-injured patients who develop sepsis. *J Burn Care Res.* 2019;40(3):269-73.
8. King BBT, Wiktor AJ, Wagner AL. A near miss: Autonomic dysfunction in a 2% total burn surface area burn patient with ventilator-dependent amyotrophic lateral sclerosis. *Clin Case Rep.* 2019;7(2):254-7.
9. Dyamenahalli K, Garg G, Shupp JW, Kuprys PV, Choudhry MA, Kovacs EJ. Inhalation injury: Unmet clinical needs and future research. *J Burn Care Res.* 2019;40(5):570-84.
10. Curtis BJ, Shults JA, Boe DM, Ramirez L, Kovacs EJ. Mesenchymal stem cell treatment attenuates liver and lung inflammation after ethanol intoxication and burn injury. *Alcohol.* 2019;80:139-48.
11. Curtis BJ, Boe DM, Shults JA, Ramirez L, Kovacs EJ. Effects of multiday ethanol intoxication on postburn inflammation, lung function, and alveolar macrophage phenotype. *Shock.* 2019;51(5):625-33.
12. Carmichael H, Wiktor AJ, McIntyre RC, Lambert Wagner A, Velopulos CG. Regional disparities in access to verified burn center care in the united states. *J Trauma Acute Care Surg.* 2019;87(1):111-6.
13. Carmichael H, Joyce S, Smith T, Patton L, Lambert Wagner A, Wiktor AJ. Safety and efficacy of intraoperative gastric feeding during burn surgery. *Burns.* 2019;45(5):1089-93.
14. Afshar M, Burnham EL, Joyce C, Gagnon R, Dunn R, Albright JM, Ramirez L, Repine JE, Netzer G, Kovacs EJ. Injury characteristics and von willebrand factor for the prediction of acute respiratory distress syndrome in patients with burn injury: Development and internal validation. *Ann Surg.* 2019;270(6):1186-93.

Basic Science

1. Walrath T, Dyamenahalli KU, Hulsebus HJ, McCullough RL, Idrovo JP, Boe DM, McMahan RH, Kovacs EJ. Age-related changes in intestinal immunity and the microbiome. *J Leukoc Biol.* 2021;109(6):1045-61.
2. Idrovo JP, Boe DM, Kaahui S, Walrath T, McMahan RH, Kovacs EJ. Advanced age heightens hepatic damage in a murine model of scald burn injury. *J Trauma Acute Care Surg.* 2021;90(4):731-7.
3. Pormohammad A, Ghorbani S, Baradaran B, Khatami A, R JT, Mansournia MA, Kyriacou DN, Idrovo JP, Bahr NC. Clinical characteristics, laboratory findings, radiographic signs and outcomes of 61,742 patients with confirmed covid-19 infection: A systematic review and meta-analysis. *Microb Pathog.* 2020;147:104390.
4. McMahan RH, Afshar M, Amedee AM, Bishehsari F, Carr RM, Coleman LG, Herrnreiter CJ, Lewis SL, Mandrekar P, McCullough RL, Morris NL, Vasiliou V, Wang HJ, Yeligar SM, Choudhry MA, Kovacs EJ. Summary of the 2019 alcohol and immunology research interest group (airig) meeting: Alcohol-mediated mechanisms of multiple organ injury. *Alcohol.* 2020;87:89-95.
5. Idrovo JP, Boe DM, Kaahui S, Yang WL, Kovacs EJ. Hepatic inflammation after burn injury is associated with necroptotic cell death signaling. *J Trauma Acute Care Surg.* 2020;89(4):768-74.
6. Idrovo JP, Shults JA, Curtis BJ, Chen MM, Kovacs EJ. Alcohol intoxication and the postburn gastrointestinal hormonal response. *J Burn Care Res.* 2019;40(6):785-91.

Emergency Medicine

1. Schauer SG, Ng PC, April MD, Hill GJ, Arana AA, Bebartá VS. Pediatric prehospital intraosseous access during combat operations in Iraq and Afghanistan. *Pediatr Emerg Care.* 2021;37(1):e21-e4.
2. Schauer SG, Naylor JF, Fisher AD, April MD, Hill R, Mdaki K, Becker TE, Bebartá VS, Bynum J. An analysis of 13 years of prehospital combat casualty care: Implications for maintaining a ready medical force. *Prehosp Emerg Care.* 2021:1-15.
3. Maddry JK, Mora AG, Perez CA, Reeves LK, Paciocco JA, Clemons MA, Sheean A, Kester NM, Bebartá VS. Characterization of long-range aeromedical transport and its relationship to the development of traumatic extremity compartment syndrome: A 7-year, retrospective study. *Mil Med.* 2021.
4. Maddry JK, Arana AA, Mora AG, Perez CA, Cutright JE, Kester BM, Ng PC, Schauer SG, Bebartá VS. Advancing prehospital combat casualty evacuation: Patients amenable to aeromedical evacuation via unmanned aerial vehicles. *Mil Med.* 2021;186(3-4):e366-e72.
5. Lauby RS, Cuenca CM, Borgman MA, Fisher AD, Bebartá VS, Moore EE, Spinella PC, Bynum J, Schauer SG. An analysis of outcomes for pediatric trauma warm fresh whole blood recipients in Iraq and Afghanistan. *Transfusion.* 2021;61 Suppl 1:S2-s7.
6. Klausner MJ, McKay JT, Bebartá VS, Naylor JF, Fisher AD, Isherwood KD, Bynum J, Schauer SG. Warfighter personal protective equipment and combat wounds. *Med J (Ft Sam Houst Tex).* 2021(Pb 8-21-04/05/06):72-7.
7. Hatzfeld JJ, Hildebrandt G, Maddry JK, Rodriguez D, Bridges E, Ritter AC, Gardner CL, Bebartá VS, Cap AP. Top 10 research priorities for U.S. Military en route combat casualty care. *Mil Med.* 2021;186(3-4):e359-e65.
8. Torres AC, Bebartá VS, April MD, Maddry JK, Herson PS, Bebartá EK, Schauer S. Ketamine administration in prehospital combat injured patients with traumatic brain injury: A 10-year report of survival. *Cureus.* 2020;12(7):e9248.
9. Talwar A, Hill LL, DiGuseppi C, Betz ME, Eby DW, Molnar LJ, Kelley-Baker T, Villavicencio L, Andrews HF, Li G, Strogatz D. Patterns of self-reported driving while intoxicated among older adults. *J Appl Gerontol.* 2020;39(9):944-53.
10. Oyama Y, Shuff S, Maddry JK, Schauer SG, Bebartá VS, Eckle T. Intense light pretreatment improves hemodynamics, barrier function and inflammation in a murine model of hemorrhagic shock lung. *Mil Med.* 2020;185(9-10):e1542-e50.
11. Miller M, Salhi C, Barber C, Azrael D, Beatriz E, Berrigan J, Brandspiegel S, Betz ME, Runyan C. Changes in firearm and medication storage practices in homes of youths at risk for suicide: Results of the safety study, a clustered, emergency department-based, multisite, stepped-wedge trial. *Ann Emerg Med.* 2020;76(2):194-205.
12. Maddry JK, Araña AA, Reeves LK, Mora AG, Gutierrez XE, Perez CA, Ng PC, Griffiths SA, Bebartá VS. Patients with traumatic brain injury transported by critical care air transport teams: The influence of altitude and oxygenation during transport. *Mil Med.* 2020;185(9-10):e1646-e53.
13. Maddry JK, Arana AA, Perez CA, Medellin KL, Paciocco JA, Mora AG, Holder WG, Davis WT, Herson PS, Bebartá VS. Influence of time to transport to a higher level facility on the clinical outcomes of US combat casualties with TBI: A multicenter 7-year study. *Mil Med.* 2020;185(1-2):e138-e45.
14. Maddry JK, Arana AA, Clemons MA, Medellin KL, Shults NM, Perez CA, Savell SC, Gutierrez XE, Reeves LK, Mora AG, Bebartá VS. Impact of a standardized EMS handoff tool on inpatient medical record documentation at a level I trauma center. *Prehosp Emerg Care.* 2020:1-8.
15. Levine M, Ruha AM, Wolk B, Caravati M, Brent J, Campleman S, Wax P. When it comes to snakebites, kids are little adults: A comparison of adults and children with rattlesnake bites. *J Med Toxicol.* 2020;16(4):444-51.

16. Lavonas EJ, Burnham RI, Schwarz J, Quackenbush E, Lewis B, Rose SR, Greene S, Toschlog EA, Charlton NP, Mullins ME, Schwartz R, Denning D, Sharma K, Kleinschmidt K, Bush SP, Anderson VE, Ginde AA, Gerardo CJ. Recovery from copperhead snake envenomation: Role of age, sex, bite location, severity, and treatment. *J Med Toxicol.* 2020;16(1):17-23.
17. Kelly T, Brandspigel S, Polzer E, Betz ME. Firearm storage maps: A pragmatic approach to reduce firearm suicide during times of risk. *Ann Intern Med.* 2020;172(5):351-3.
18. Jolliffe DA, Camargo CA, Jr., Sluyter JD, Aglipay M, Aloia JF, Ganmaa D, Bergman P, Borzutzky A, Damsgaard CT, Dubnov-Raz G, Esposito S, Gilham C, Ginde AA, Golan-Tripto I, Goodall EC, Grant CC, Griffiths CJ, Hibbs AM, Janssens W, Khadilkar AV, Laaksi I, Lee MT, Loeb M, Maguire JL, Majak P, Mauger DT, Manaseki-Holland S, Murdoch DR, Nakashima A, Neale RE, Pham H, Rake C, Rees JR, Rosendahl J, Scragg R, Shah D, Shimizu Y, Simpson-Yap S, Kumar GT, Urashima M, Martineau AR. Vitamin d supplementation to prevent acute respiratory infections: Systematic review and meta-analysis of aggregate data from randomised controlled trials. *medRxiv.* 2020.
19. Fisher AD, Paulson MW, McKay JT, Bynum J, Flarity KM, Howell M, Bebartá VS, Schauer SG. Blood product administration during the role 1 phase of care: The prehospital trauma registry experience. *Mil Med.* 2020.
20. Diurba S, Johnson RL, Siry BJ, Knoepke CE, Suresh K, Simpson SA, Azrael D, Ranney ML, Wintemute GJ, Betz ME. Lethal means assessment and counseling in the emergency department: Differences by provider type and personal home firearms. *Suicide Life Threat Behav.* 2020;50(5):1054-64.
21. Betz ME, Azrael D, Johnson RL, Knoepke CE, Ranney ML, Wintemute GJ, Matlock D, Suresh K, Miller M. Views on firearm safety among caregivers of people with alzheimer disease and related dementias. *JAMA Netw Open.* 2020;3(7):e207756.
22. Betz ME, Anestis MD. Firearms, pesticides, and suicide: A look back for a way forward. *Prev Med.* 2020;138:106144.
23. Bedard AF, Mata LV, Dymond C, Moreira F, Dixon J, Schauer SG, Ginde AA, Bebartá V, Moore EE, Mould-Millman NK. A scoping review of worldwide studies evaluating the effects of prehospital time on trauma outcomes. *Int J Emerg Med.* 2020;13(1):64.
24. Bebartá VS, Mora AG, Bebartá EK, Reeves LK, Maddry JK, Schauer SG, Lairet JR. Prehospital use of ketamine in the combat setting: A sub-analysis of patients with head injuries evaluated in the prospective life saving intervention study. *Mil Med.* 2020;185(Suppl 1):136-42.
25. Baehr A, Ledbetter C, Bookman KJ, Wang Y, Ginde AA, Wiler JL. Timeliness of care for high-acuity conditions at hospital-affiliated freestanding emergency departments. *Acad Emerg Med.* 2020;27(10):995-1001.
26. Anderson KL, Morgan JD, Castaneda MG, Boudreau SM, Araña AA, Kohn MA, Bebartá VS. The effect of chest compression location and occlusion of the aorta in a traumatic arrest model. *J Surg Res.* 2020;254:64-74.
27. Zaidi AA, Dixon J, Lupez K, De Vries S, Wallis LA, Ginde A, Mould-Millman NK. The burden of trauma at a district hospital in the western cape province of south africa. *Afr J Emerg Med.* 2019;9(Suppl):S14-s20.
28. Schauer SG, Naylor JF, April MD, Fisher AD, Cunningham CW, Fernandez JRD, Shreve BP, Bebartá VS. The prehospital trauma registry experience with intraosseous access. *J Spec Oper Med.* 2019;19(1):52-5.
29. Schauer SG, April MD, Naylor JF, Mould-Millman NK, Bebartá VS, Becker TE, Maddry JK, Ginde AA. Incidence of hyperoxia in combat wounded in iraq and afghanistan: A potential opportunity for oxygen conservation. *Mil Med.* 2019;184(11-12):661-7.
30. Mould-Millman NK, Dixon J, Lamp A, de Vries S, Beaty B, Finck L, Colborn K, Moodley K, Skenadore A, Glasgow RE, Havranek EP, Bebartá VS, Ginde AA. A single-site pilot implementation of a novel trauma training program for prehospital providers in a resource-limited setting. *Pilot Feasibility Stud.* 2019;5:143.

31. Moss M, Huang DT, Brower RG, Ferguson ND, Ginde AA, Gong MN, Grissom CK, Gundel S, Hayden D, Hite RD, Hou PC, Hough CL, Iwashyna TJ, Khan A, Liu KD, Talmor D, Thompson BT, Ulysse CA, Yealy DM, Angus DC. Early neuromuscular blockade in the acute respiratory distress syndrome. *N Engl J Med.* 2019;380(21):1997-2008.
32. Martineau AR, Jolliffe DA, Greenberg L, Aloia JF, Bergman P, Dubnov-Raz G, Esposito S, Ganmaa D, Ginde AA, Goodall EC, Grant CC, Janssens W, Jensen ME, Kerley CP, Laaksi I, Manaseki-Holland S, Mauger D, Murdoch DR, Neale R, Rees JR, Simpson S, Stelmach I, Trilok Kumar G, Urashima M, Camargo CA, Griffiths CJ, Hooper RL. Vitamin d supplementation to prevent acute respiratory infections: Individual participant data meta-analysis. *Health Technol Assess.* 2019;23(2):1-44.
33. Lanspa MJ, Gong MN, Schoenfeld DA, Lee KT, Grissom CK, Hou PC, Serpa-Neto A, Brown SM, Iwashyna TJ, Yealy DM, Hough CL, Brower RG, Calfee CS, Hyzy RC, Matthay MA, Miller RR, 3rd, Steingrub JS, Thompson BT, Miller CD, Clemmer TP, Hendej GW, Huang DT, Mathews KS, Qadir N, Tidswell M. Prospective assessment of the feasibility of a trial of low-tidal volume ventilation for patients with acute respiratory failure. *Ann Am Thorac Soc.* 2019;16(3):356-62.
34. Ginde AA, Brower RG, Caterino JM, Finck L, Banner-Goodspeed VM, Grissom CK, Hayden D, Hough CL, Hyzy RC, Khan A, Levitt JE, Park PK, Ringwood N, Rivers EP, Self WH, Shapiro NI, Thompson BT, Yealy DM, Talmor D. Early high-dose vitamin d(3) for critically ill, vitamin d-deficient patients. *N Engl J Med.* 2019;381(26):2529-40.
35. Douin DJ, Schauer SG, Anderson EL, Jones J, DeSanto K, Cunningham CW, Bebarta VS, Ginde AA. Systematic review of oxygenation and clinical outcomes to inform oxygen targets in critically ill trauma patients. *J Trauma Acute Care Surg.* 2019;87(4):961-77.
36. Betz ME, Bebarta VS, DeWispelaere W, Barrett W, Victoroff M, Williamson K, Abbott D. Emergency physicians and firearms: Effects of hands-on training. *Ann Emerg Med.* 2019;73(2):210-1.
37. Anderson KL, Mora AG, Bloom AD, Maddry JK, Bebarta VS. Cardiac massage for trauma patients in the battlefield: An assessment for survivors. *Resuscitation.* 2019;138:20-7.

Orthopedic Surgery

1. Ramalingam WG, Carry P, Brazell C, Calkins R, Linza-Moscato S, Stoneback J, Miller NH. Outcomes of displaced adolescent distal third tibia fractures: Can we do better? *J Pediatr Orthop B*. 2021.
2. McCabe LT, Stoneback JW, Yi JA, Hiatt WR, Jesse MK, Wohlauer MV. Plantar flexion-induced entrapment of the dorsalis pedis artery in a teenaged cross-country runner. *Ann Vasc Surg*. 2021;70:213-8.
3. Joseph NM, Alfonso N, Hirschfeld AG. Compartment syndrome following use of tissue plasminogen activator for frostbite in the setting of concomitant diaphyseal tibia fracture. *OTA Int*. 2020;3(2):e079.
4. Douleh DG, Stoneback JW, Bravman JT. Successful open reduction and internal fixation of proximal humerus fracture after dysvascular subcoracoid humeral head dislocation: A case report. *JBJS Case Connect*. 2020;10(1):e0313.
5. Alfonso NA, Ryan W, Baldini T, Reiter M, Joyce C, Mauffrey C. Fixation of transverse acetabular fractures with precontoured plates alone causes fracture malreduction: A biomechanical assessment. *J Orthop Trauma*. 2020;34(2):89-94.
6. Ryan W, Alfonso NA, Baldini T, Kumparatana P, Reiter M, Joyce C, Wei C, Zhang Y, Mauffrey C. Precontoured quadrilateral surface acetabular plate fixation demonstrates increased stability when compared with pelvic reconstruction plates: A biomechanical study. *J Orthop Trauma*. 2019;33(9):e325-e30.

Neurosurgery

1. Zuckerman SL, Yengo-Kahn AM, Tang AR, Bailes JE, Beauchamp K, Berger MS, Bonfield CM, Camarata PJ, Cantu RC, Davis GA, Ellenbogen RG, Ellis MJ, Feuer H, Guazzo E, Harris OA, Heppner P, Honeybul S, Manley G, Maroon JC, Miele VJ, Nahed BV, Okonkwo DO, Oppenlander ME, Petty J, Sabin HI, Samadani U, Sherburn EW, Sheridan M, Tator CH, Theodore N, Timmons SD, Woodworth GF, Solomon GS, Sills AK. Sport-related structural brain injury and return to play: Systematic review and expert insight. *Neurosurgery*. 2021;88(6):E495-e504.
2. Tumialán LM, Ponton RP, Cooper AN, Gluf WM, Tomlin JM. Rate of return to military active duty after single and 2-level anterior cervical discectomy and fusion: A 4-year retrospective review. *Neurosurgery*. 2019;85(1):96-104.