

## FY18 Faculty Publications

### Peer Reviewed Journal Articles

(July 1, 2017 – June 30, 2018)

204 Peer Reviewed Journal Articles

1. Huang RT, Wu D, Meliton A, Oh MJ, Krause M, Lloyd JA, Nigdelioglu R, Hamanaka RB, Jain MK, Birukova A, Kress JP, Birukov KG, Mutlu GM, Fang Y. Experimental Lung Injury Reduces Krüppel-like Factor 2 to Increase Endothelial Permeability via Regulation of RAPGEF3-Rac1 Signaling. *Am J Respir Crit Care Med*. 2017 Mar 1;195(5):639-651. PMID: 27855271.
2. Oskolkova O, Sarich N, Tian Y, Gawlak G, Meng F, Bochkov VN, Berdyshev E, Birukova AA, Birukov KG. Incorporation of iloprost in phospholipase-resistant phospholipid scaffold enhances its barrier protective effects on pulmonary endothelium. *Sci Rep*. 2018 Jan 17;8(1):879. PMID: 29343759.
3. Madni TD, Ekeh AP, Brakenridge SC, Brasel KJ, Joseph B, Inaba K, Bruns BR, Kerby JD, Cuschieri J, Mohler MJ, Nakonezny PA, Imran J, Wolf SE, Paulk ME, Rhodes RL, Phelan HA. A Comparison of Prognosis Calculators for Geriatric Trauma: A P.A.L.L.I.A.T.E. Consortium Study. *The Journal of Trauma and Acute Care Surgery*. 2017 Jul;83(1):90-96. PMID: 28422904.
4. Ferrada P; Callcut R; Zielinski MD; Bruns B; Yeh DD; Zakrison TL; Meizoso JP; Sarani B; Catalano RD; Kim P; Plant V; Pasley A; Dultz LA; Choudhry AJ; Haut ER. Loop Ileostomy vs Total Colectomy as Surgical Treatment for Clostridium Dificile Associated Disease: An East Multicenter Trial. *The Journal of Trauma and Acute Care Surgery*. 2017 Jul;83(1):36-40. PMID: 28426557.
5. Mowery NT; Bruns BR; MacNew H; Agrawal S; Enniss T; Khan M; Guo WA; Cannon JW; Lissauer M; Duane TM; Hildreth AN; Pappas P; Gries L; Kaiser M; Robinson B. Surgical Management of Pancreatic Necrosis: A Practice Management Guideline from the Eastern Association for the Surgery of Trauma. *The Journal of Trauma and Acute Care Surgery*. 2017 Aug;83(2):316-327. PMID: 28452889.
6. Cook, AC; Joseph, B; Mohler, MJ; Inaba, K; Bruns, BR; Nakonezny, PA, Kerby, JD; Brasel, KJ; Wolf, SE; Cuschieri, J; Paulk, ME; Rhodes, RL; Brakenridge, SC; Ekeh, AP, Phelan, HA. Validation of a Geriatric Trauma Prognosis Calculator: A P.A.L.L.I.A.T.E. Consortium Study. *J Am Geriatr Soc*. 2017 Oct;65(10):2302-2307. PMID: 28804877.
7. Bruns BR. Bowel Anastomosis in Acute Care Surgery. *Curr Surg Reports*. 2017 Sep 15.
8. Brown CV, Teixeira PG, Furay E, Sharpe JP, Musonza T, Holcomb J, Bui E, Bruns BR, Hopper A, Truitt MS, Cothren CC, Schellenberg M, Sava J, VanHorn J. Contemporary Management of Rectal Injuries at Level 1 Trauma Centers: The Results of an American Association for the Surgery of Trauma Multi-

- Institutional Study. *The Journal of Trauma and Acute Care Surgery*. 2018 Feb;84(2):225-233. PMID: 29140953.
9. Nahmias J, Grigorian A, Brakenridge S, Jawa RS, Holena DN, Agapian JV, Bruns B, Chestovich PJ, Chung B, Nguyen J, Schulman CI, Staudenmayer K, Dixon R, Smith JW, Bernard A, Pascual JL. Variations in Institutional Review Board Processes and Consent Requirements for Trauma Research: An EAST Multicenter Study. *Trauma Surgery and Acute Care Open*. 2018 May 30;3(1)e000176. PMID: 29862323.
  10. Cunningham HB, Scielzo SA, Nakonezny PA, Bruns BR, Brasel KJ, Inaba K, Brakenridge SC, Kerby JD, Joseph BA, Mohler MJ, Cuschieri J, Paulk ME, Ekeh AP, Madni TD, Taveras LR, Imran JB, Wolf SE, Phelan HA. Burn Surgeon and Palliative Care Physician Attitudes Regarding Goals of Care Delineation for Burned Geriatric Patients. *Journal of Burn Care and Research*. 2018 May 16. [Epub ahead of print]
  11. Feng Y, Zou L, Yan D, Chen H, Xu G, Jian W, Cui P, Chao W. Extracellular MicroRNAs Induce Potent Innate Immune Responses via TLR7/MyD88-Dependent Mechanisms. *Journal of immunology*. 2017;199(6):2106-2117. PMID: 28768728.
  12. Ding R, Xu G, Feng Y, Zou L, Chao W. Lipopeptide Pam3Cys4 Synergizes N-Formyl-Met-Leu-Phe (Fmlp)-Induced Calcium Transients in Mouse Neutrophils. *Shock*. 2017 Nov 15. PMID: 29176405.
  13. Xu J, Zou L, Feng Y, Conn O, Chao W. Extracellular Vesicle-associated miRNAs Induce Innate Immune Response in Sepsis. *American Heart Association, Inc.*. 2017;136(1).
  14. Sartelli M, Chichom-Mefire A, Labricciosa FM, Hardcastle T, Abu-Zidan FM, Adesunkanmi AK, Ansaloni L, Bala M, Balogh ZJ, Beltrán MA, Ben-Ishay O, Biffl WL, Birindelli A, Cainzos MA, Catalini G, Ceresoli M, Che Jusoh A, Chiara O, Coccolini F, Coimbra R, Cortese F, Demetrashvili Z, Di Saverio S, Diaz JJ, Egiev VN, Ferrada P, Fraga GP, Ghnnam WM, Lee JG, Gomes CA, Hecker A, Herzog T, Kim JI, Inaba K, Isik A, Karamarkovic A, Kashuk J, Khokha V, Kirkpatrick AW, Kluger Y, Koike K, Kong VY, Leppaniemi A, Machain GM, Maier RV, Marwah S, McFarlane ME, Montori G, Moore EE, Negroi I, Olaoye I, Omari AH, Ordonez CA, Pereira BM, Pereira Júnior GA, Pupelis G, Reis T, Sakakhushev B, Sato N, Segovia Lohse HA, Shelat VG, Søreide K, Uhl W, Ulrych J, Van Goor H, Velmahos GC, Yuan KC, Wani I, Weber DG, Zachariah SK, Catena F. The management of intra-abdominal infections from a global perspective: 2017 WSES guidelines for management of intra-abdominal infections. *World J Emerg Surg*. 2017 Jul 10;12:29. PMID: 28702076.
  15. Wandling MW, Ko CY, Bankey PE, Cribari C, Cryer HG, Diaz JJ, Duane TM, Hameed SM, Hutter MM, Metzler MH 3rd, Regner JL, Reilly PM, Reines HD, Sperry JL, Staudenmayer KL, Utter GH, Crandall ML, Bilimoria KY, Nathens AB. Expanding the Scope of Quality Measurement in Surgery to Include Non-Operative Care: Results from the ACS NSQIP Emergency General Surgery Pilot. *J Trauma Acute Care Surg*. 2017 Aug 12. doi: PMID: 28806283.
  16. Brenner M, Teeter W, Hoehn M, Pasley J, Hu P, Yang S, Romagnoli A, Diaz J, Stein D, Scalea T. Use of Resuscitative Endovascular Balloon Occlusion of the

- Aorta for Proximal Aortic Control in Patients With Severe Hemorrhage and Arrest. *JAMA Surg.* 2017 Sep 27. PMID: 28973104.
17. Harris DG, Olson SB, Rosen CB, Kalsi R, Taylor BS, Diaz JJ, Flohr TR, Crawford RS. Early Treatment at a Referral Center Improves Outcomes for Patients with Acute Vascular Disease. *Ann Vasc Surg.* 2018 Mar 5. pii: S0890-5096(18)30213-9. doi: 10.1016/j.avsg.2018.01.088. PMID: 29518507.
  18. Kalsi R, Drucker CB, Salazar JH, Luther LI, Diaz JJ, Kundi R. Blunt multifocal aortic injury with abdominal aortic intimal intussusception. *J Vasc Surg Cases Innov Tech.* 2018 Feb 24;4(1):37-40. doi: 10.1016/j.jvscit.2017.11.007. eCollection 2018 Mar. PMID: 29556589.
  19. Sartelli M, Kluger Y, Ansaloni L, Hardcastle TC, Rello J, Watkins RR, Bassetti M, Giamarellou E, Coccolini F, Abu-Zidan FM, Adesunkanmi AK, Augustin G, Baiocchi GL, Bala M, Baraket O, Beltran MA, Jusoh AC, Demetrashvili Z, De Simone B, de Souza HP, Cui Y, Davies RJ, Dhingra S, Diaz JJ, Di Saverio S, Dogjani A, Elmangory MM, Enani MA, Ferrada P, Fraga GP, Frattima S, Ghnam W, Gomes CA, Kanj SS, Karamarkovic A, Kenig J, Khamis F, Khokha V, Koike K, Kok KYY, Isik A, Labricciosa FM, Latifi R, Lee JG, Litvin A, Machain GM, Manzano-Nunez R, Major P, Marwah S, McFarlane M, Memish ZA, Mesina C, Moore EE, Moore FA, Naidoo N, Negoj I, Ofori-Asenso R, Olaoye I, Ordoñez CA, Oudii M, Paolillo C, Picetti E, Pintar T, Ponce-de-Leon A, Pupelis G, Reis T, Sakakushev B, Kafil HS, Sato N, Shah JN, Siribumrungwong B, Talving P, Tranà C, Ulrych J, Yuan KC, Catena F. Raising concerns about the Sepsis-3 definitions. *World J Emerg Surg.* 2018 Jan 25;13:6. doi: 10.1186/s13017-018-0165-6. eCollection 2018. Review. PMID: 29416555.
  20. Kvasnovsky CL, Lumpkins K, Diaz JJ, Chun JY. Emergency pediatric surgery: Comparing the economic burden in specialized vs nonspecialized children's centers. *J Pediatr Surg.* 2018 Feb 15. pii: S0022-3468(18)30083-6. doi: 10.1016/j.jpedsurg.2018.02.029. PMID: 29525274.
  21. Tolonen M, Coccolini F, Ansaloni L, Sartelli M, Roberts DJ, McKee JL, Leppaniemi A, Doig CJ, Catena F, Fabian T, Jenne CN, Chiara O, Kubes P, Kluger Y, Fraga GP, Pereira BM, Diaz JJ, Sugrue M, Moore EE, Ren J, Ball CG, Coimbra R, Dixon E, Biffi W, MacLean A, McBeth PB, Posadas-Calleja JG, Di Saverio S, Xiao J, Kirkpatrick AW; From the Closed Or Open after Laparotomy (COOL) for Source Control in Severe Complicated Intra-Abdominal Sepsis Investigators. Getting the invite list right: a discussion of sepsis severity scoring systems in severe complicated intra-abdominal sepsis and randomized trial inclusion criteria. *World J Emerg Surg.* 2018 Apr 6;13:17. doi: 10.1186/s13017-018-0177-2. eCollection 2018. PMID: 29636790.
  22. Hansraj N, Harris DG, Pasley A, Diaz JJ, Bruns BR. "Second-Look" Laparotomy: Warranted, or Contributor to Excessive Open Abdomens? *Eur J Trauma Emerg Surg.* 2018 Jun 9. doi: 10.1007/s00068-018-0968-x. [Epub ahead of print] PMID: 29947847.
  23. Donald G. Harris, Robert S. Crawford, Joseph Rabin, Elena N. Klyushnenkova, Charles B. Drucker, Hegang Chen, Thomas M. Scalea, Jose J. Diaz, Incidence and Outcomes of Thoracic Aortic Injuries with Regionalized Care in a Mature Trauma System. *Trauma.* 2017 Nov 27. DOI: 10.1177/1460408617738811.

24. Pasley AM, Hansraj N, Pasley JD, Diaz JJ, Scalea TM, Bruns B What comes first, the spleen or the valve? Management of Splenic Abscess Complicating Infective Endocarditis: A single center case series. *Pan-American J Trauma Crit Care Emerg Surg* 2017;7(1):77-81. doi: 10.5005/jp-journals-10030-1208
25. Melanie R Hoehn, Natasha Hansraj, Ameila M Pasley, Megan Brenner, Samantha Cox, Jason D Pasley, Jose J Diaz, MD; Thomas M Scalea, Resuscitative Endovascular Balloon Occlusion of the Aorta for Non-traumatic Intra-abdominal Hemorrhage. *Eur J Trauma Emerg Surg*. 2018 Jun 19. doi: 10.1007/s00068-018-0973-0. [Epub ahead of print]
26. Ma EL, Smith AD, Desai N, Cheung L, Hanscom M, Stoica BA, Loane DJ, Shea-Donohu T, Faden AI. Bidirectional Brain-Gut Interactions and Chronic Pathological Changes after Traumatic Brain Injury in Mice. *Brain Behav Immun*. 2017 Jul 1. 2017 Nov; 66:56-69. doi: 10.1016/j.bbi.2017.06.018. PMID: 28676351.
27. Ritzel R, Doran S, Barrett J, Henry R, Ma E, FADEN A, Loane DJ. Chronic alterations of systemic immune function after traumatic brain injury. *J Neurotrauma*. 2018 Feb 8. doi: 10.1089/neu.2017.5399. [Epub ahead of print] PMID: 29421977.
28. Sabirzhanov B, Faden A, Aubrecht T, Henry R, Glaser E, Stoica BA. miR-711 induced down-regulation of Angiopoietin-1 mediates neuronal cell death. *J Neurotrauma*. 2018 May 18. doi: 10.1089/neu.2017.5572. [Epub ahead of print] PMID: 29774773.
29. Loane DJ, Faden AI. Traumatic meningeal injury and repair mechanisms. *Nat Immunol*. 2018 May;19(5):431-432. PMID: 29670238.
30. Jaber SM, Bordt EA, Bhatt NM, Lewis DM, Gerecht S, Fiskum G, and Polster BM. Sex differences in the mitochondrial bioenergetics of astrocytes but not microglia at a physiologically relevant brain oxygen tension. *Neurochem Int*. (2017) Epub Sep 6 PMID: 28888963.
31. Chandrasekaran, K., Anjaneyulu, M., Demarest, TG, Choi, J. Sagi, A.R., Najimi, N., Kumar, P., Singh, A., Ho, C-Y., Fiskum, G., Koch, L.G., Britton, S.L., and Russell, J.W., mglur2/3 activation of sirt1-pgc-1 $\alpha$ -tfam axis rescues mitochondrial function in diabetic neuropathy. *Annals of Clinical and Translational Neurology*. 2017 Nov 1;4(12):844-858. PMID: 29296613.
32. Andreyev A, Tamrakar P, Rosenthal RE, Fiskum G. Calcium uptake and cytochrome c release from normal and ischemic brain mitochondria. *Neurochem Int*. 2018 Jul;117:15-22. PMID: 29042253.
33. Connolly NMC, Theurey P, Adam-Vizi V, Bazan NG, Bernardi P, Bolaños JP, Culmsee C, Dawson VL, Deshmukh M, Duchen MR, Düssmann H, Fiskum G, Galindo MF, Hardingham GE, Hardwick JM, Jekabsons MB, Jonas EA, Jordán J, Lipton SA, Manfredi G, Mattson MP, McLaughlin B, Methner A, Murphy AN, Murphy MP, Nicholls DG, Polster BM, Pozzan T, Rizzuto R, Satrustegui J, Slack RS, Swanson RA, Swerdlow RH, Will Y, Ying Z, Joselin A, Gioran A, Moreira Pinho C, Watters O, Salvucci M, Llorente-Folch I, Park DS, Bano D, Ankarcona M, Pizzo P, Prehn JHM. Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. *Cell Death Differ*. 2018 Mar;25(3):542-572. PMID: 29229998.

34. Tchantchou F, Puche AC, Leiste U, Fournay W, Blanpied TA, Fiskum G. Rat Model of Brain Injury to Occupants of Vehicles Targeted by Land Mines: Mitigation by Elastomeric Frame Designs. *J Neurotrauma*. 2018 May 15;35(10):1192-1203. PMID: 29187028.
35. Malinow, AM, Schuh, RA, Alyamani, O, Kim, J, Bharadwaj, S, Crimmins, SD, Galey, L, Fiskum, G, Polster, BM, Platelets in preeclamptic pregnancies fail to exhibit the decrease in mitochondrial oxygen consumption rate seen in normal pregnancies. *Bioscience Reports*. 2018 May 8;38(3). PMID: 29654168.
36. Mazzeffi M, Galvagno S, Tanaka K. Red blood cell transfusion and surgical site infection after colon resection surgery: a cohort study. *Anesth Analg*. 2017 Oct;125(4):1316-1321. PMID: 28504993.
37. Galvagno SM, Mabry RL, Maddry J, Gerhardt RA, Kharod CU, Powell E, Shackelford S. Measuring US Army medical evacuation: Metrics for performance improvement. *J Trauma Acute Care Surg*. 2018 Jan;84(1):150-156. PMID: 29267184.
38. Galvagno SM, Fox EE, Appana SN, Goodman M, Bulger EM, Bosarge PL, Schreiber MA, Cotton BA, Scalea TM, Inaba K, O'Keefe T, Baraniuk S, Callcut RA, Wade CE, Holcomb JB, Stein DM. Outcomes following concomitant traumatic brain injury and hemorrhagic shock: a secondary analysis from the PROPPR trial. *J Trauma Acute Care Surg*. 2017 Oct; 83(4): 668-674. PMID: 28930959.
39. McCully BH, Connelly CR, Fair KA, for the PROPPR Study Group (includes Galvagno SM Jr.). Onset of coagulation function is delayed in severely injured trauma patients with venous thromboembolism. *J Am Coll Surg*. 2017 Jul; 225(1): 42-51. PMID: 28315812.
40. Vasilyeva K, Widener MJ, Galvagno SM, Ginsberg Z. Spatial methods for evaluating critical care and trauma transport: A scoping review. *J Crit Care*. 2018 Feb;43:265-270. PMID: 28950247.
41. Zhu TH, Hollister L, Opoku D, Galvagno SM Jr. Improved Survival for Rural Trauma Patients Transported by Helicopter to a Verified Trauma Center: A Propensity Score Analysis. *Acad Emerg Med*. 2018 Jan;25(1):44-53. PMID: 28898557.
42. Richards JE, Scalea TM, Mazzeffi MA, Rock P, Galvagno SM Jr. Does lactate affect the association of early hyperglycemia and multiple organ failure in severely injured blunt trauma patients? *Anesth Analg*. 2018 Mar; 126(3): 904-910. PMID: 29283920.
43. Plurad D, Chiu W, Raja AS, Galvagno SM, Khan U, Kim DY, Tisherman SA, Ward J, Hamill ME, Bennett V, Williams B, Robinson B. Monitoring modalities of fluid status: A Practice Management Guideline from the Eastern Association for the Surgery of Trauma (EAST). *J Trauma Acute Care Surg*. 2018 Jan; 84(1): 37-49. PMID: 29019796.
44. Chow JH, Galvagno SM, Tanaka KA, Mazzeffi MA, Chancer Z, Henderson R, McCurdy MT. When all else fails: novel use of angiotensin II for vasodilatory

- shock- a case report. *A&A Practice*. 2018 Apr 23. [Epub ahead of print] PMID: 29688923.
45. Manzano-Nunez R, Herrera-Escobar JP, DuBose J, Horer T, Galvagno S, Orlas CP, Parra MW, Coccolini F, Sartelli M, Falla-Martinez JC, Garcia AF, Chica J, Naranjo MP, Sanchez AI, Salazar CJ, Calderon-Tapi LE, Lopez-Castilla V, Ferrada P, Moore EE, Ordonez CA. Could resuscitative endovascular balloon occlusion of the aorta improve survival among severely injured patients with post-intubation hypotension? *Eur J Trauma Emerg Surg* 2018 Mar 23; <https://doi.org/10.1007/s00068-018-0947-2>. [Epub ahead of print] PMID: 29572730.
46. Pelekhaty S, Galvagno SM, Hochberg E, Herr DL, Lantry JH, Kon ZN, Deatrick KB, Menaker J. Nitrogen balance during veno-venous extracorporeal membrane oxygenation (VV ECMO) support – preliminary results of a prospective, observational study. *JPEN J Parenter Enteral Nutr*. 2018 May 25. doi: 10.1002/jpen.1176. [Epub ahead of print] PMID: 29799136
47. Ramirez CL, Pelekhaty S, Massetti JM, Galvagno S, Harmon L, Botwinick I, Scalea TM, Stein DM. Validation of predictive equations to assess energy expenditure in acute spinal cord injury. *J Trauma Acute Care Surg* 2018 Apr 30. doi: 10.1097/TA.0000000000001959. [Epub ahead of print] PMID: 29787541.
48. Manzano-Nunez R, Orlas CP, Salazar CJ, Londono MA, Ruiz-Yucuma J, Melendez JJ, Galvagno SM, Ordonez CA. A meta-analysis of the incidence of complications associated with groin access after the use of resuscitative endovascular balloon occlusion of the aorta. *J Trauma Acute Care Surg* 2018 May 21. doi: 10.1097/TA.0000000000001978. [Epub ahead of print] PMID: 29787536.
49. Stone AB, Urman RD, Kaye AD, Grant MC. Labeling Morphine Milligram Equivalents on Opioid Packaging: a Potential Patient Safety Intervention. *Curr Pain Headache Rep*. 2018 May 31;22(7):46. doi: 10.1007/s11916-018-0695-3. Review. PMID: 29855852
50. Hanna MN, Speed TJ, Shechter R, Grant MC, Sheinberg R, Goldberg E, Campbell CM, Theodore N, Koch CG, Williams K. An Innovative Perioperative Pain Program for Chronic Opioid Users: An Academic Medical Center's Response to the Opioid Crisis. *Am J Med Qual*. 2018 May 1:1062860618777298. doi: 10.1177/1062860618777298. [Epub ahead of print]. PMID: 29790369
51. Grant MC, Pio Roda CM, Canner JK, Sommer P, Galante D, Hobson D, Gearhart S, Wu CL, Wick E. The Impact of Anesthesia-Influenced Process Measure Compliance on Length of Stay: Results From an Enhanced Recovery After Surgery for Colorectal Surgery Cohort. *Anesth Analg*. 2018 May 17. doi: 10.1213/ANE.0000000000003458. [Epub ahead of print.] PMID: 29782405
52. Stone AB, Wu CL, Grant MC. In Response. *Anesth Analg*. 2018 Jul;127(1):319-320. doi: 10.1213/ANE.0000000000003404. No abstract available. PMID: 29757777

53. Diaconu SC, McNichols CHL, Liang Y, Orkoulas-Razis D, Woodall J, Rasko YM, Grant MP, Nam AJ. Utility of Postoperative Mandibulomaxillary Fixation After Rigid Internal Fixation of Isolated Mandibular Fractures. *J Craniofac Surg*. 2018 Jun;29(4):930-936. doi: 10.1097/SCS.0000000000004368. PMID: 29750728
54. G Perina, Eileen M Bulger, Robert J Winchell, Christopher S Kang, Sharon Henry, Ronald M Stewart, Leonard J Weireter, Michael C Chang, and Michael F Rotondo . Response to letter to the editor from Dubose and colleagues regarding the Joint statement from the American College of Surgeons Committee on Trauma (ACS COT) and the American College of Emergency Physicians (ACEP) regarding the clinical use of Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) *Trauma Surg Acute Care Open*. 2018; 3(1). PMID: 29767643.
55. Joshua A. Lieberman, Lynn G. Stansbury, Joseph A. Kufera, William C. Chiu, Laurie J. Punch, John R. Hess, Thomas M. Scalea, **Sharon M. Henry**. Red Blood Cell Transfusions and Anemia on Admission Are Associated with Poor Outcomes in Necrotizing Soft Tissue Infections. *JALM*. 2017/025643.
56. Ge X, Adangwa P, Lim JY, Kostov Y, Tolosa L, Pierson R, Herr D, Rao G. Development and characterization of a point-of care rate-based transcutaneous respiratory status monitor. *Med Eng Phys*. 2018 Jun;56:36-41. doi: 10.1016/j.medengphy.2018.03.009. PMID: 29628217.
57. Taylor B, Kon Z, Herr D, Rubinson L, Mazzeffi M. Extracorporeal Cardiopulmonary Resuscitation for Refractory Cardiac Arrest Deserves Special Consideration. *Ann Thorac Surg*. 2018 Apr;105(4):1282-1283. doi: 10.1016/j.athoracsur.2017.07.02. PMID: 29571337.
58. Wells CL, Forrester J, Vogel J, Rector R, Tabatabai A, Herr D. The authors reply. *Crit Care Med*. 2018 Apr;46(4):e346. doi: 10.1097/CCM.0000000000002982. PMID: 29538129.
59. Wright LH, Herr DJ, Brown SS, Kasiganesan H, Menick DR. Angiokine Wisp-1 is increased in myocardial infarction and regulates cardiac endothelial signaling. *JCI Insight*. 2018 Feb 22;3(4). pii: 95824. doi: 10.1172/jci.insight.95824. [Epub ahead of print] PMID: 29467324.
60. Moore JE, Oropello JM, Stoltzfus D, Masur H, Coopersmith CM, Nates J, Doig C, Christman J, Hite RD, Angus DC, Pastores SM, Kvetan V. Critical Care Organizations: Building and Integrating Academic Programs. Academic Leaders in Critical Care Medicine (ALCCM) Task Force of the Society of the Critical Care Medicine. *Crit Care Med*. 2018 Apr;46(4):e334-e341. doi: 10.1097/CCM.0000000000002917. PMID: 29256894.
61. Herr DJ, Baarine M, Aune SE, Li X, Ball LE, Lemasters JJ, Beeson CC, Chou JC, Menick DR. HDAC1 localizes to the mitochondria of cardiac myocytes and contributes to early cardiac reperfusion injury. *J Mol Cell Cardiol*. 2018 Jan;114:309-319. doi: 10.1016/j.yjmcc.2017.12.004. PMID: 29224834.
62. Pasrija C, Kronfli A, George P, Raitel M, Boulos F, Herr DL, Gammie JS, Pham SM, Griffith BP, Kon ZN. Utilization of Veno-Arterial Extracorporeal Membrane Oxygenation for Massive Pulmonary Embolism. *Ann Thorac Surg*. 2018 Feb;105(2):498-504. doi: 10.1016/j.athoracsur.2017.08.033. PMID: 29174781.

63. Wells CL, Forrester J, Vogel J, Rector R, Tabatabai A, Herr D. Safety and Feasibility of Early Physical Therapy for Patients on Extracorporeal Membrane Oxygenator: University of Maryland Medical Center Experience. *Crit Care Med*. 2018 Jan;46(1):53-59. doi: 10.1097/CCM.0000000000002770. PMID: 29053491.
64. Hobson CE, Bihorac A, Hadian M, Herr DL, Rainey TG, Cerra FB, Napolitano LM, Hoyt JW. The Impact of Changes in Medicare's Physician Payment System on Critical Care. *Crit Connect*. 2017 Feb;15:18-19. PMID: 28956027.
65. Menaker J, Dolly K, Rector R, Kufera J, Lee EE, Tabatabai A, Rabinowitz RP, Kon ZN, Sanchez P, Pham S, Herr DL, O'Connor JV, Stein DM, Scalea TM. The lung rescue unit-Does a dedicated intensive care unit for venovenous extracorporeal membrane oxygenation improve survival to discharge? *J Trauma Acute Care Surg*. 2017 Sep;83(3):438-442. doi: 10.1097/TA.0000000000001524. PMID: 28846578.
66. Timofte I, Terrin M, Barr E, Kim J, Rinaldi J, Ladikos N, Menaker J, Tabatabai A, Kon Z, Griffith B, Pierson R, Pham S, Iacono A, Herr D. Adaptive periodic paralysis allows weaning deep sedation overcoming the drowning syndrome in ECMO patients bridged for lung transplantation: A case series. *J Crit Care*. 2017 Dec;42:157-161. doi: 10.1016/j.jcrc.2017.07.033. PMID: 28735156.
67. Kon ZN, Bittle GJ, Pasrija C, Pham SM, Mazzeffi MA, Herr DL, Sanchez PG, Griffith BP. Venovenous Versus Venoarterial Extracorporeal Membrane Oxygenation for Adult Patients With Acute Respiratory Distress Syndrome Requiring Precannulation Hemodynamic Support: A Review of the ELSO Registry. *Ann Thorac Surg*. 2017 Aug;104(2):645-649. doi: 10.1016/j.athoracsur.2016.11.006. PMID: 28190548.
68. Wilcox MH, Gerding DN, Poxton IR, Kelly C, Nathan R, Birch T, Cornely OA, Rahav G, Bouza E, Lee C, Jenkin G, Jensen W, Kim YS, Yoshida J, Gabryelski L, Pedley A, Eves K, Tipping R, Guris D, Kartsonis N, Dorr MB; MODIFY I and MODIFY II Investigators. Bezlotoxumab for Prevention of Recurrent Clostridium difficile Infection. *N Engl J Med*. 2017 Jan 26;376(4):305-317. doi: 10.1056/NEJMoa1602615. PMID: 28121498.
69. Rabin J, Meyenburg T, Lowery AV, Rouse M, Gammie JS, Herr D. Restricted Albumin Utilization Is Safe and Cost Effective in a Cardiac Surgery Intensive Care Unit. *Ann Thorac Surg*. 2017 Jul;104(1):42-48. doi: 10.1016/j.athoracsur.2016.10.018. PMID: 28027733.
70. Yuan D, Liu C, Wu J, Hu B. Correction to: Inactivation of NSF ATPase Leads to Cathepsin B Release After Transient Cerebral Ischemia. *Transl Stroke Res*. 2018 Jun;9(3):214. doi: 10.1007/s12975-018-0635-x. PMID: 29796935.
71. Yuan D, Liu C, Wu J, Hu B. Inactivation of NSF ATPase Leads to Cathepsin B Release After Transient Cerebral Ischemia. *Transl Stroke Res*. 2018 Jun;9(3):201-213. doi: 10.1007/s12975-017-0571-1. Erratum in: *Transl Stroke Res*. 2018 Jun;9(3):214. PMID: 29039034.
72. Yuan D, Liu C, Hu B. Dysfunction of Membrane Trafficking Leads to Ischemia-Reperfusion Injury After Transient Cerebral Ischemia. *Transl Stroke Res*. 2018 Jun;9(3):215-222. doi: 10.1007/s12975-017-0572-0. Review. PMID: 29022237.



73. Kristian T, Hu B. The Protein Modification and Degradation Pathways after Brain Ischemia. *Transl Stroke Res.* 2018 Jun;9(3):199-200. doi: 10.1007/s12975-017-0573-z. PMID: 28967038.
74. Parimi N, Fontaine MJ, Yang S, Hu PF, Li HC, Mackenzie CF, Kozar RA, Miller C, Scalea TM, Stein DM. Blood Transfusion Indicators Following Trauma in the Non-Massively Bleeding Patient. *Ann Clin Lab Sci.* 2018 May;48(3):279-285. PMID: 29970429
75. Dezman ZDW, Comer AC, Smith GS, Hu PF, Mackenzie CF, Scalea TM, Hirshon JM. *Am J Emerg Med.* 2018 Mar 7. pii: S0735-6757(18)30203-1. doi: 10.1016/j.ajem.2018.03.012. [Epub ahead of print] PMID: 29544906.
76. Hovis JP, Montalvo R, Marinos D, Joshi M, Shirliff ME, OToole RV, Manson TT. Intraoperative Vancomycin Powder Reduced Staphylococcus aureus Surgical Site Infections and Biofilm Formation on Fixation Implants in a Rabbit Model. *J Orthop Trauma* 32 (5): 263-268, 2018.
77. Beck KH, Fell JC, Kerns TJ. Evaluation of Maryland's state police impaired driving reduction effort (SPIDRE). *Traffic Inj Prev,* 2018 May 19;19(4):339-344. PMID: 29252001.
78. Nam EJ, Hayashida K, Aquino RS, Couchman JR, Kozar RA, Liu J, Park PW. Syndecan-1 Limits the Progression of Liver Injury and Promotes Liver Repair in Acetaminophen-Induced Liver Injury. *Hepatology.* 2017 Nov;66(5):1601-1615. PMID: 28543100.
79. Zarzaur BL, Dunn JA, Leininger B, Lauerman M, Shanmuganathan K, Kaups K, Zmary K, Hartwell JL, Bhakta A, Myers J, Gordy S, Todd SR, Claridge JA, Teicher E, Sperry J, Privette A, Allawi A, Burlew CC, Maung AA, Davis KA, Cogbill T, Bonne S, Livingston DH, Coimbra R, Kozar RA. Natural history of splenic vascular abnormalities after blunt injury: A Western Trauma Association multicenter trial. *J Trauma Acute Care Surg.* 2017 Dec;83(6):999-1005. PMID: 28570347.
80. Parimi N, Fontaine MJ, Yang S, Hu PF, Li HC, Mackenzie CF, Kozar RA, Miller C, Scalea TM, Stein DM. Blood Transfusion Indicators Following Trauma in the Non-Massively Bleeding Patient. *Ann Clin Lab Sci.* 2018 May;48(3):279-285. PMID: 29970429.
81. Wu F, Kozar RA. Fibrinogen Protects Against Barrier Dysfunction Through Maintaining Cell Surface Syndecan-1 in-vitro. *Shock.* 2018 Jun 13. doi: 10.1097/SHK.0000000000001207. [Epub ahead of print] PMID: 29905671.
82. Avrutin E, Moisey LL, Zhang R, Khatrab J, Todd E, Premji T, Kozar R, Heyland DK, Mourtzakis M. Clinically Practical Approach for Screening of Low Muscularity Using Electronic Linear Measures on Computed Tomography Images in Critically Ill Patients. *JPEN J Parenter Enteral Nutr.* 2017 Dec 6. doi: 10.1002/jpen.1019. [Epub ahead of print] PMID: 29417591.
83. Pati S, Peng Z, Wataha K, Miyazawa B, Potter DR, Kozar RA. Lyophilized plasma attenuates vascular permeability, inflammation and lung injury in hemorrhagic shock. *PLoS One.* 2018 Feb 2;13(2):e0192363. doi: 10.1371/journal.pone.0192363. eCollection 2018. PMID: 29394283.
84. Bulger EM, Rasmussen TE, Jurkovich GJ, Fabian TC, Kozar RA, Coimbra R, Costantini TW, Ficke J, Malhotra AK, Price MA, Smith SL, Cioffi WG, Stewart

- RM. Implementation of a National Trauma Research Action Plan (NTRAP). *J Trauma Acute Care Surg.* 2018 Jun;84(6):1012-1016. doi: 10.1097/TA.0000000000001812. No abstract available. PMID: 29370052.
85. Wischmeyer PE, Carli F, Evans DC, Guilbert S, Kozar R, Pryor A, Thiele RH, Everett S, Grocott M, Gan TJ, Shaw AD, Thacker JKM, Miller TE, Hedrick TL, McEvoy MD, Mythen MG, Bergamaschi R, Gupta R, Holubar SD, Senagore AJ, Abola RE, Bennett-Guerrero E, Kent ML, Feldman LS, Fiore JF Jr. American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Nutrition Screening and Therapy Within a Surgical Enhanced Recovery Pathway. *Perioperative Quality Initiative (POQI) 2 Workgroup. Anesth Analg.* 2018 Jun;126(6):1883-1895. doi: 10.1213/ANE.0000000000002743. PMID: 29369092.
86. Hedrick TL, McEvoy MD, Mythen MMG, Bergamaschi R, Gupta R, Holubar SD, Senagore AJ, Gan TJ, Shaw AD, Thacker JKM, Miller TE, Wischmeyer PE, Carli F, Evans DC, Guilbert S, Kozar R, Pryor A, Thiele RH, Everett S, Grocott M, Abola RE, Bennett-Guerrero E, Kent ML, Feldman LS, Fiore JF Jr. American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Postoperative Gastrointestinal Dysfunction Within an Enhanced Recovery Pathway for Elective Colorectal Surgery. *Perioperative Quality Initiative (POQI) 2 Workgroup. Anesth Analg.* 2018 Jun;126(6):1896-1907. doi: 10.1213/ANE.0000000000002742. PMID: 29293183.
87. Abola RE, Bennett-Guerrero E, Kent ML, Feldman LS, Fiore JF Jr, Shaw AD, Thacker JKM, Gan TJ, Miller TE, Hedrick TL, McEvoy MD, Mythen MG, Bergamaschi R, Gupta R, Holubar SD, Senagore AJ, Wischmeyer PE, Carli F, Evans DC, Guilbert S, Kozar R, Pryor A, Thiele RH, Everett S, Grocott M. American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Patient-Reported Outcomes in an Enhanced Recovery Pathway. *Perioperative Quality Initiative (POQI) 2 Workgroup. Anesth Analg.* 2018 Jun;126(6):1874-1882. doi: 10.1213/ANE.0000000000002758. PMID: 29293180.
88. Lee JC, Williams GW, Kozar RA, Kao LS, Mueck KM, Emerald AD, Villegas NC, Moore LJ. Multitargeted Feeding Strategies Improve Nutrition Outcome and Are Associated With Reduced Pneumonia in a Level 1 Trauma Intensive Care Unit. *JPEN J Parenter Enteral Nutr.* 2017 Mar 1:148607117699561. doi: 10.1177/0148607117699561. 2018 Mar; 42(3): 529-537. PMID: 29187048.
89. Hampton D, Kozar RA. What's New in SHOCK, AUGUST 2017? *Shock.* 2017 Aug;48(2):141-143. doi: 10.1097/SHK.0000000000000880. No abstract available. PMID: 28708783.
90. Klimova N, Long A, Kristian T. Significance of Mitochondrial Protein Post-translational Modifications in Pathophysiology of Brain Injury. *Transl Stroke Res.* 2018, Jun; 9(3): 223-237. PMID: 28936802.
91. Kristian T, Hu B. The Protein Modification and degradation pathways after Brain Ischemia. *Transl Stroke Res.* 2018 9(3):199-200. PMID: 28967038.
92. Lauerman MH, Scalea TM, Eglseder WA, Pensy R, Stein DM, Henry S. Physiology Not Modern Operative Approach Predicts Mortality in Extremity

- Necrotizing Soft Tissue Infections at a High-Volume Center. *Surgery*. 2018 Apr 20. PMID: 29685635. [Epub ahead of print]
93. Tripu R, Lauerman M, Haase D, Fatima S, Glaser J, Cardarelli C, Scalea T, Murthi S. Graduating Surgical Residents Lack Competence in Critical Care Ultrasound. *Journal of Surgical Education*. 2018 May - Jun;75(3):582-588. PMID: 29033272.
  94. Hernandez MC, Bruns BR, Haddad N, Lauerman M, Morris DS, Arnold K, Phelan HA, Turay D, Murry J, Oh JS, Enniss T, Carrick MM, Scalea TM, Zielinski M. RESHAPES: Increasing AAST EGS Grade is Associated with Anastomosis Type. *J Trauma Acute Care Surg*. *J Trauma Acute Care Surg*. 2018 Jun;84(6):855-863. doi: 10.1097/TA.0000000000001864 PMID: 29538224.
  95. Liu S, Li Y, Choi HMC, Sarkar C, Koh EY, Wu J and Lipinski MM. Lysosomal damage after spinal cord injury causes accumulation of RIPK1 and RIPK3 proteins and potentiation of necroptosis. *Cell Death & Disease*. 2018; 9:476. PMID: 29686269.
  96. Fe Lanfranco M, Loane DJ, Mocchetti I, Burns MP, Villapol S. Combination of Fluorescent in situ Hybridization (FISH) and Immunofluorescence Imaging for Detection of Cytokine Expression in Microglia/Macrophage Cells. *Bio Protoc*. 7. pii: e2608, 2017 Nov 20;7(22). PMID: 29238736.
  97. Ritzel RM, Doran S, Barrett JP, Henry RJ, Ma EL, Faden AI, Loane DJ. Chronic Alterations in Systemic Immune Function After Traumatic Brain Injury. *Journal of Neurotrauma*. Feb 8. [Epub ahead of print], 2018.
  98. Jaber SM, Milstein JL, Hampton B, Barrett JP, Loane DJ, Polster BM. Upregulation of Enzymatic Idenone Reduction Activity after Proinflammatory Stimulation of Microglia. *Free Radical Biology and Medicine*. 2017;112:167. <https://www.sciencedirect.com/science/article/pii/S0891584917310432>.
  99. Pasrija C, Shah A, George P, Kronfli A, Raithel M, Boulos F, Ghoreishi M, Bittle GJ, Mazzeffi MA, Rubinson L, Gammie JS, Griffith BP, Kon ZN. Triage and optimization: A new paradigm in the treatment of massive pulmonary embolism. *J Thorac Cardiovasc Surg*. 2018 Apr 7. pii: S0022-5223(18)30931-0. doi: 10.1016/j.jtcvs.2018.02.107. [Epub ahead of print] PMID: 29730125.
  100. Alyamani O, Mazzeffi MA, Bharadwaj S, Galey JH, Yao R, Shah NG, Malinow AM. Venovenous Extracorporeal Membrane Oxygenation to Prolong Pregnancy: A Case Report. *A A Pract*. 2018 May 1;10(9):229-231. doi: 10.1213/XAA.0000000000000671. PMID: 29708916.
  101. Mazzeffi M, Strauss E, Rabin J, Griffith B. Blunt Traumatic Injury to the Aortic Root and Aortic Valve. *A A Pract*. 2018 Feb 1;10(3):65-68. doi: 10.1213/XAA.0000000000000701. PMID: 29611823.
  102. Chow JH, Mazzeffi MA, Tanaka KA. Teaching an old dog new TRICS: re-evaluating transfusion triggers in high-risk cardiac surgery. *J Thorac Dis*. 2018 Feb;10(2):674-677. doi: 10.21037/jtd.2018.01.78. PMID: 29608203.
  103. Mazzeffi M, Chriss E, Tanaka K. Time for a Fresh Approach to Examining Factors Associated With Red Blood Cell Transfusion Outcome. *Anesth Analg*. 2018 Mar 27. doi: 10.1213/ANE.00000000000003354. [Epub ahead of print] PMID: 29596096.

104. Taylor B, Kon Z, Herr D, Rubinson L, Mazzeffi M. Extracorporeal Cardiopulmonary Resuscitation for Refractory Cardiac Arrest Deserves Special Consideration. *Ann Thorac Surg.* 2018 Apr;105(4):1282-1283. doi: 10.1016/j.athoracsur.2017.07.027. PMID: 29571337.
105. Mazzeffi M, Jonna S, Blanco N, Mavrothalassitis O, Odekwu O, Fontaine M, Rock P, Tanaka K, Thom K. Intraoperative red blood cell transfusion, delayed graft function, and infection after kidney transplant: an observational cohort study. *J Anesth.* 2018 Jun;32(3):368-374. doi: 10.1007/s00540-018-2484-x. PMID: 29557528.
106. Wehman B, Mazzeffi M, Chow R, Watkins AC, Aicher B, Pham S, Burrows W, Taylor B. Thoracoscopic Sympathectomy for Refractory Electrical Storm After Coronary Artery Bypass Grafting. *Ann Thorac Surg.* 2018 Mar;105(3):e99-e101. doi: 10.1016/j.athoracsur.2017.10.005. PMID: 29455831.
107. Abbott TEF, Ahmad T, Phull MK, Fowler AJ, Hewson R, Biccard BM, Chew MS, Gillies M, Pearse RM; International Surgical Outcomes Study (ISOS) group. The surgical safety checklist and patient outcomes after surgery: a prospective observational cohort study, systematic review and meta-analysis. *Br J Anaesth.* 2018 Jan;120(1):146-155. doi: 10.1016/j.bja.2017.08.002. PMID: 29397122.
108. Mazzeffi M, Abuelkasem E, Drucker CB, Kalsi R, Toursavadkoshi S, Harris DG, Rock P, Tanaka K, Taylor B, Crawford R. Contemporary Single-Center Experience With Prophylactic Cerebrospinal Fluid Drainage for Thoracic Endovascular Aortic Repair in Patients at High Risk for Ischemic Spinal Cord Injury. *J Cardiothorac Vasc Anesth.* 2018 Apr;32(2):883-889. doi: 10.1053/j.jvca.2017.12.002. PMID: 29291967.
109. Williams B, Chriss E, Kaplan J, Cartron A, Taylor B, Gammie J, Tanaka K, Mazzeffi M. Hypothermia, pH, and Postoperative Red Blood Cell Transfusion in Massively Transfused Adult Cardiac Surgery Patients: A Retrospective Cohort Study. *J Cardiothorac Vasc Anesth.* 2017 Nov 24. pii: S1053-0770(17)30924-2. doi: 10.1053/j.jvca.2017.11.042. [Epub ahead of print] PMID: 29290382.
110. Deshpande SP, Mazzeffi MA, Strauss E, Hollis A, Tanaka KA. Prostacyclins in Cardiac Surgery: Coming of Age. *Semin Cardiothorac Vasc Anesth.* 2017 Dec 1:1089253217749298. doi: 10.1177/1089253217749298. [Epub ahead of print] PMID: 29277148.
111. Menaker J, Tabatabai A, Rector R, Dolly K, Kufera J, Lee E, Kon Z, Sanchez P, Pham S, Herr DL, Mazzeffi M, Rabinowitz RP, O'Connor JV, Stein DM, Scalea TM. Incidence of Cannula-Associated Deep Vein Thrombosis After Venovenous Extracorporeal Membrane Oxygenation. *ASAIO J.* 2017 Sep/Oct;63(5):588-591. doi: 10.1097/MAT.0000000000000539. PMID: 28857905.
112. Tanaka KA, Mazzeffi MA, Williams B. Acute Traumatic Coagulopathy: Thrombin Is the Driver! *Anesthesiology.* 2017 Sep;127(3):585. doi: 10.1097/ALN.0000000000001760. PMID: 28816786.

113. Mazzeffi MA, Lee K, Taylor B, Tanaka KA. Perioperative management and monitoring of antiplatelet agents: a focused review on aspirin and P2Y12 inhibitors. *Korean J Anesthesiol.* 2017 Aug;70(4):379-389. doi: 10.4097/kjae.2017.70.4.379. PMID: 28794832.
114. Sewaralthahab SS, Menaker J, Law JY. Successful Use of Venovenous Extracorporeal Membrane Oxygenation in an Adult Patient with Sickle Cell Anemia and Severe Acute Chest Syndrome. *Hemoglobin.* 2018 Jan;42(1):65-67. doi: 10.1080/03630269.2018.1450755. PMID: 29633667.
115. Menaker J, Rabinowitz RP, Tabatabai A, Tesoriero RB, Dolly K, Cornachione C, Stene E, Buchner J, Kufera J, Kon ZN, Deatrick KB, Herr DL, O'Connor JV, Scalea TM. Venovenous Extracorporeal Membrane Oxygenation for Respiratory Failure: How Long Is Too Long? *ASAIO J.* 2018 Mar 28. doi: 10.1097/MAT.0000000000000791. [Epub ahead of print] PMID: 29608490.
116. Menaker J, Tesoriero RB, Tabatabai A, Rabinowitz RP, Cornachione C, Lonergan T, Dolly K, Rector R, O'Connor JV, Stein DM, Scalea TM. Venovenous Extracorporeal Membrane Oxygenation (VV ECMO) for Acute Respiratory Failure Following Injury: Outcomes in a High-Volume Adult Trauma Center with a Dedicated Unit for VV ECMO. *World J Surg.* 2018 Aug;42(8):2398-2403. doi: 10.1007/s00268-018-4480-6. PMID: 29340723.
117. Martin MJ, Bush LD, Inaba K, Byerly S, Schreiber M, Peck KA, Barmparas G, Menaker J, Hazelton JP, Coimbra R, Zielinski MD, Brown CVR, Ball CG, Cherry-Bukowiec JR, Burlew CC, Dunn J, Minshall CT, Carrick MM, Berg GM, Demetriades D, Long W; WTA C-Spine Study Group. Cervical spine evaluation and clearance in the intoxicated patient: A prospective Western Trauma Association Multi-Institutional Trial and Survey. *J Trauma Acute Care Surg.* 2017 Dec;83(6):1032-1040. doi: 10.1097/TA.0000000000001650. PMID: 28723840.
118. Morris NA, May TL, Motta M, Agarwal S, Kamel H. Long-term risk of seizures among cardiac arrest survivors. *Resuscitation.* 2018 Jun 19;129:94-96. doi: 10.1016/j.resuscitation.2018.06.019. [Epub ahead of print] PMID: 29932947.
119. Agarwal S, Sobczak E, Presciutti A, Brodie D, Morris N, Roh DJ, Park S, Claassen J, Kamel H. Resuscitation. Tracheostomy use, long-term survival, and neurological outcomes among cardiac arrest survivors. 2018 Jun 19. pii: S0300-9572(18)30288-0. doi: 10.1016/j.resuscitation.2018.06.017. [Epub ahead of print] No abstract available. PMID: 29928960.
120. Desai M, Morris NA. Prolonged Post-Traumatic Vasospasm Resulting in Delayed Cerebral Ischemia After Mild Traumatic Brain Injury. *Neurocrit Care.* 2018 Apr 26. doi: 10.1007/s12028-018-0542-8. [Epub ahead of print] PMID: 29700693.
121. Merkler AE, Gialdini G, Lerario MP, Parikh NS, Morris NA, Kummer B, Dunn L, Reznik ME, Murthy SB, Navi BB, Grinspan ZM, Iadecola C, Kamel H. Population-Based Assessment of the Long-Term Risk of Seizures in Survivors of Stroke. *Stroke.* 2018 Jun;49(6):1319-1324. doi: 10.1161/STROKEAHA.117.020178. PMID: 29695463.
122. Kamel H, Chung CD, Kone GJ, Gupta A, Morris NA, Fink ME, Navi BB. Medical Specialties of Clinicians Providing Mechanical Thrombectomy to Patients With

- Acute Ischemic Stroke in the United States. *JAMA Neurol.* 2018 Apr 1;75(4):515-517. doi: 10.1001/jamaneurol.2017.5172. PMID: 29372240.
123. Morris NA, Robinson D, Schmidt JM, Frey HP, Park S, Agarwal S, Connolly ES, Claassen J. Hunt-Hess 5 subarachnoid haemorrhage presenting with cardiac arrest is associated with larger volume bleeds. *Resuscitation.* 2018 Feb;123:71-76. doi: 10.1016/j.resuscitation.2017.12.015. PMID: 29253648.
  124. Morris NA, Manning N, Marshall RS, Connolly ES, Claassen J, Agarwal S, Roh DJ, Schmidt JM, Park S. Transcranial Doppler Waveforms During Intra-aortic Balloon Pump Counterpulsation for Vasospasm Detection After Subarachnoid Hemorrhage. *Neurosurgery.* 2017 Jul 21. doi: 10.1093/neuros/nyx405. [Epub ahead of print] PMID: 28973669.
  125. Henry SM, Davis KA, Morrison JJ, Scalea TM. Can necrotizing soft tissue infection be reliably diagnosed in the emergency department? *Trauma Surg Acute Care Open.* 2018 Jan 13;3(1):e000157. doi: 10.1136/tsaco-2017-000157. eCollection 2018 Jan 13;3(1):e000157. PMID: 29766136.
  126. Rall JM, Redman TT, Ross EM, Morrison JJ, Maddry JK. Comparison of zone 3 Resuscitative Endovascular Balloon Occlusion of the Aorta and the Abdominal Aortic and Junctional Tourniquet in a model of junctional hemorrhage in swine. *J Surg Res.* 2018 Jun;226:31-39. PMID: 29661286.
  127. Adams CA, Stein DM, Morrison JJ, Scalea TM. Does intracranial pressure management hurt more than it helps in traumatic brain injury? *Trauma Surg Acute Care Open.* 2018 Jan 12;3(1):e000142. doi: 10.1136/tsaco-2017-000142. eCollection 2018. PMID: 29766131.
  128. Howley IW, Haut ER, Jacobs L, Morrison JJ, Scalea TM. Is thromboelastography (TEG)-based resuscitation better than empirical 1:1 transfusion? *Trauma Surg Acute Care Open.* 2018 Jan 8;3(1):e000140. doi: 10.1136/tsaco-2017-000140. eCollection 2018. PMID: 29766129.
  129. Reva VA, Matsumura Y, Samokhvalov IM, Pochtarnik AA, Zheleznyak IS, Mikhailovskaya EM, Morrison JJ. Defining degree of aortic occlusion for partial-REBOA: A computed tomography study on large animals. *Injury.* 2018 Jun;49(6):1058-1063. PMID: 29699730.
  130. Reva VA, Morrison JJ, Denisov AV, Seleznev AB, Rodionov GG, Grigoriev SG, Zheleznyak IS, Samokhvalov IM. Bare metal stents can maintain arterial patency in traumatic occlusion. *J Endo Resus Trauma Management.* 2018 Jun;49(6):1058-1063;2(1):2-9. PMID: 26546598.
  131. Wasicek PJ, Teeter WA, Brenner ML, Hoehn ML, Scalea TM, Morrison JJ. Resuscitative endovascular balloon occlusion of the aorta: rupture risk and implications for blind inflation *Trauma Surgery & Acute Care Open* 2018 Jan 24;3(1):3:e000141. PMID: 29766130.
  132. Jansen JO, Moore EE, Wang H, Morrison JJ, Hutchison JD, Campbell MK, Sauaia A. Maximizing geographical efficiency: An analysis of the configuration of Colorado's trauma system. *J Trauma Acute Care Surg.* 2018 May;84(5):762-770. PMID: 29370062.

133. Sadeghi M, Nilsson KF, Larzon T, Pirouzram A, Toivola A, Skoog P, Idoguchi K, Kon Y, Ishida T, Matsumara Y, Matsumoto J, Reva V, Maszkowski M, Bersztel A, Caragounis E, Falkenberg M, Handolin L, Kessel B, Hebron D, Coccolini F, Ansaloni L, Madurska MJ, Morrison JJ, Hörer TM. The use of aortic balloon occlusion in traumatic shock: first report from the ABO trauma registry. *Eur J Trauma Emerg Surg.* 2017 Aug 11. [Epub ahead of print] PMID: 28801841.
134. Madurska MJ, Jansen JO, Reva VA, Mirghani M, Morrison JJ. The Compatibility of CT Scanning and Partial-REBOA: A Large Animal Pilot Study. *J Trauma Acute Care Surg* 2017 Sep;83(3):557-561. PMID: 28538633.
135. Rall JM, Ross JD, Clemens MS, Cox JM, Buckley TA, Morrison JJ. Hemodynamic effects of the Abdominal Aortic and Junctional Tourniquet in a hemorrhage swine model. *J Surg Res* 2017 May;212:159-166. PMID: 28550903.
136. Wehman B, Pietris N, Bigham G, Siddiqui O, Mishra R, Li T, Aiello E, Jack G, Wang W, Murthi S, Sharma S, Kaushal S. Cardiac Progenitor Cells Enhance Neonatal Right Ventricular Function After Pulmonary Artery Banding. *Ann Thorac Surg.* 2017 Jul 28. pii: S0003-4975(17)30662-8. PMID: 28760475.
137. Cai SS, Mossop C, Diaconu S, Hersh DS, AlFadil S, Rasko YM, Christy MR, Grant MP, and Nam AJ. The "Crumple Zone" Hypothesis: Association of Frontal Sinus Volume and Cerebral Injury after Craniofacial Trauma. *J of Cranio-Maxillofacial Surgery.* 2017. 45(7):1094-1098. PMID: 28551409.
138. McNichols CHL, Diaconu S, AlFadil S, Woodall J, Grant M, Lifchez S, Nam A, Rasko Y. Cosmetic Surgery Training in Plastic Surgery Residency Programs. *Plast Reconstr Surg Glob Open.* 2017 Sep 26;5(9)e 1491. PMID: 29062658.
139. Sendil S, Diaconu SC, O'Neill NA, Burdorf L, Tatarov I, Parsell DM, Azimzadeh AM, Plerson RN, and Nam AJ. Vascularized Thymo-sternal Composite Tissue Transplantation in Non-Human Primates: Initial experience in Allo and Xeno Models. *Plast Reconstr Surg Glob Open.* 2017 Dec 22;5(12):e1538. PMID: 29632759.
140. Dreizin D, Nam AJ, Diaconu SC, Bernstein MP, Bodanapally UK, Munera F. MDCT of Midfacial Fractures: Classification Systems, Principles of Reduction, and Common Complications. *Radiographics.* 2018 Jan-Feb;38(1):248-274. PMID: 29320322.
141. McNichols C, Diaconu SC, Liang Y, Ikheloa E, Nam AJ, Rasko YM. Outcomes of Ventral Hernia Repair with Concomitant Panniculectomy. *Ann Plast Surgery.* 2018. 80(4):391-394. PMID: 29309330.
142. Ostrander BT, Wang HD, Cusano A, Manson PN, Nam AJ, Dorafshar AH. Contemporary Management of Mandibular Fracture Nonunion - A Retrospective Review and Treatment Algorithm. *J Oral Maxillofac Surg.* 2018. 76(7):1479-1493. PMID: 29499126.
143. Diaconu SC, McNichols C, Liang Y, Orkoulas-Razis D, Woodall J, Rasko YM, Grant MP, Nam AJ. Utility of Postoperative Mandibulomaxillary Fixation after Rigid Internal Fixation of Isolated Mandibular Fractures. *J Craniofac Surg.* 2018 Jun;29(4):930-936. PMID: 29750728.

144. Luck JD, Lopez J, Faateh M, Macmillan A, Yang R, Davidson EH, Nam A, Grant M, Tufaro AP, Redett R, Manson PN, Dorafshar AH. Pediatric Zygomaticomaxillary Complex Fracture Repair: Location and Number of Fixation Sites in Growing Children. *Plast Reconstr Surg* 2018 Jul;142(1):51e-60e. PMID: 29659459.
145. Wessell AP, Kole MJ, Cannarsa G, Oliver J, Jindal G, Miller T, Gandhi D, Parikh G, Badjatia N, Aldrich EF, Simard JM. A sustained systemic inflammatory response syndrome is associated with shunt-dependent hydrocephalus after aneurysmal subarachnoid hemorrhage. *J Neurosurg*. 2018 Jun 29:1-8. doi: 10.3171/2018.1.JNS172925. [Epub ahead of print] PMID: 29957109.
146. Rodriguez-Torres A, Murphy M, Kourkoulis C, Schwab K, Ayres AM, Moomaw CJ, Young Kwon S, Berthaud JV, Gurol ME, Greenberg SM, Viswanathan A, Anderson CD, Flaherty M, James ML, Birnbaum L, Yong Sung G, Parikh G, Boehme AK, Mayson D, Sheth KN, Kidwell C, Koch S, Frankel M, Langefeld CD, Testai FD, Woo D, Rosand J, Biffi A. Hypertension and intracerebral hemorrhage recurrence among white, black, and Hispanic individuals. *Neurology*. 2018 Jul 3;91(1):e37-e44. doi: 10.1212/WNL.0000000000005729. Epub 2018 Jun 6. PMID: 29875221.
147. Khan I, Haymore J, Barnaba B, Armahizer M, Melinosky C, Bautista MA, Blaber B, Chang WT, Parikh G, Motta M, Badjatia N. Esophageal Cooling Device Versus Other Temperature Modulation Devices for Therapeutic Normothermia in Subarachnoid and Intracranial Hemorrhage. *Ther Hypothermia Temp Manag*. 2018 Mar;8(1):53-58. doi: 10.1089/ther.2017.0033. Epub 2017 Dec 13. PMID: 29236581
148. Wessell A, Kole MJ, Badjatia N, Parikh G, Albrecht JS, Schreiberman DL, Simard JM. High Compliance with Scheduled Nimodipine Is Associated with Better Outcome in Aneurysmal Subarachnoid Hemorrhage Patients Cotreated with Heparin Infusion. *Front Neurol*. 2017 Jun 9;8:268. doi: 10.3389/fneur.2017.00268. eCollection 2017. PMID: 28649230
149. Park, H.A., Licznerski, P., Mnatsakanyan, N., Niu, Y., Sacchetti, S., Wu, J., Polster, B.M., Alavian, K.N., and Jonas, E.A. Inhibition of Bcl-xL prevents pro-death actions of  $\Delta$ N-Bcl-xL at the mitochondrial inner membrane during glutamate excitotoxicity. *Cell Death Differ* 2017 Nov;24(11):1963-1974. PMID: 28777375.
150. Polster, B.M., Carri, M.T., and Beart. P.M. (2017) Mitochondria in the nervous system: From health to disease, Part I. *Neurochem Int* 2017 Oct;109:1-4. PMID: 28917714.
151. Bhalla, K., Jaber, S., Nahid, M.N., Underwood, K., Beheshti, A., Landon, A., Bhandary, B., Bastain, P., Evens, A.M., Haley, J., Polster, B., Gartenhaus, R.B. Author Correction: Role of hypoxia in Diffuse Large B-cell Lymphoma: Metabolic repression and selective translation of HK2 facilitates development of DLBCL. (2018) *Sci Rep* 2018 May 3;8(1):7221. PMID: 29725088.



152. Carri, M.T., Polster, B.M., and Beart. P.M. Mitochondria in the nervous system: From health to disease, Part II. *Neurochem Int* 2018 Jul;117:1-4. PMID: 29653126.
153. Bunn TL, Slavova S, Rock PJ. *Accid Anal Prev*. Association between commercial vehicle driver at-fault crashes involving sleepiness/fatigue and proximity to rest areas and truck stops. 2017 Nov 22. pii: S0001-4575(17)30418-9. doi: 10.1016/j.aap.2017.11.022. [Epub ahead of print] PMID: 29174330.
154. Deiner S, Luo X, Lin HM, Sessler DI, Saager L, Sieber FE, Lee HB, Sano M; and the Dexlirium Writing Group, Jankowski C, Bergese SD, Candiotti K, Flaherty JH, Arora H, Shander A, Rock P. Intraoperative Infusion of Dexmedetomidine for Prevention of Postoperative Delirium and Cognitive Dysfunction in Elderly Patients Undergoing Major Elective Noncardiac Surgery: A Randomized Clinical Trial. *JAMA Surg*. 2017 Aug 16;152(8):e171505. doi: 10.1001/jamasurg.2017.1505. Aug 16. PMID: 28593326.
155. Kahan BC, Koulenti D, Arvaniti K, Beavis V, Campbell D, Chan M, Moreno R, Pearse RM; International Surgical Outcomes Study (ISOS) group. Critical care admission following elective surgery was not associated with survival benefit: prospective analysis of data from 27 countries. *Intensive Care Med*. 2017 Jul;43(7):971-979. doi: 10.1007/s00134-016-4633-8. PMID: 28439646.
156. Mazzeffi MA, Chriss E, Davis K, Zhan M, Harris A, Rock P, Gammie JS, Tanaka K. Optimal Plasma Transfusion in Patients Undergoing Cardiac Operations With Massive Transfusion. *Ann Thorac Surg*. 2017 Jul;104(1):153-160. doi: 10.1016/j.athoracsur.2016.09.071. Dec 10, PMID: 27964918.
157. Alexander Andreyev, Pratistha Tamrakar, Robert E. Rosenthal, Gary Fiskum. Calcium uptake and cytochrome c release from normal and ischemic brain mitochondria. *Neurochem Int*. 2018 Jul; 117: 15–22. Published online 2017 Oct 16. doi: 10.1016/j.neuint.2017.10.003. PMCID: PMC5964042
158. Brilleman SL, Wolfe R, Moreno-Betancur M, Sales AE, Langa KM, Li Y, Daugherty Biddison EL, Rubinson L, Iwashyna TJ. Associations between community-level disaster exposure and individual-level changes in disability and risk of death for older Americans. *Soc Sci Med*. 2017 Jan;173:118-125. PMID: 27960126.
159. Kearns RD, Marcozzi DE, Barry N, Rubinson L, Hultman CS, Rich PB. Disaster Preparedness and Response for the Burn Mass Casualty Incident in the Twenty-first Century. *Clin Plast Surg*. 2017 Jul;44(3):441-449. PMID: 28576233.
160. Rubinson L, Hanfling D, Corey A. Estimation of time period for effective human inhalational anthrax treatment including antitoxin therapy. *PLOS Currents Outbreaks*. 2017 Jul 28;9. PMID: 28856066.
161. Buchner J, Mazzeffi M, Kon Z, Menaker J, Rubinson L, Bittle G, Pasrija C, Herr D. Single center experience with venovenous ECMO for Influenza-Related ARDS. *J Cardiothorac Vasc Anesth*. 2018 Jun;32(3):1154-1159. PMID: 29325841.
162. Losonczy L, Scalea T, Menaker J, Tran Q, O'Connor J, Andersen B, Dinardo T, Doyle K, Stein D, Tisherman S, Rubinson L. The Critical Care Resuscitation Unit: A new paradigm for optimizing inter-hospital transfer of patients with non-trauma time sensitive critical conditions. *ICU Management and Practice*. 2018. 1: 56-60. PMID: 26920992.

163. Berry C, Torain J, Kufera JA, Hu PF, Scalea TM, Stein DM. Prospective evaluation of post-traumatic vasospasm and post-injury functional outcome assessment: Is cerebral ischemia going unrecognized in patients with traumatic brain injury. *Journal of Behavioral Brain Science*, 2017 Aug 7(8) 338-347.
164. Tisherman SA, Alam HB, Rhee PM, Scalea TM, Drabek T, Forsythe RM, Kochanek PM. Development of the emergency preservation and resuscitation for cardiac arrest from trauma clinical trial. *Journal of Trauma and Acute Care Surgery*. 2017 Nov;83(5):803-809. PMID: 28538639.
165. Shackford SR, Dunne CE, Karmy-Jones R, Long W, Teso D, Schreiber MA, Watson J, Watson C, McIntyre RC, Ferrigno L, Shapiro ML, Southerland K, Dunn JA, Reckard P, Scalea TM, Brenner M, Teeter WA. The evolution of care improves outcome in blunt thoracic aortic injury: A Western Trauma Association multicenter study. *Journal of Trauma and Acute Care Surgery*. 2017 Dec;83(6):1006-1013. PMID: 28538630.
166. Loja MN, Galante JM, Humphries M, Salvage S, Fabian T, Scalea T, Holcomb JB, Poulin N, DuBose J, Rasmussen TE: AAST PROOVIT Study Group. Systemic anticoagulation in the setting of vascular extremity trauma. *Injury*. 2017 Sep;48(9):1911-1916. PMID: 28377263.
167. Hanish S, Stein D, Scalea J, Thurman P, Essein E, Hutson W, Bartlett ST, Barth RN, Scalea T. Molecular absorbent recirculating system (MARS®) effectively replaces hepatic function in severe acute liver failure (ALF). *Annals of Surgery*. 2017 Oct;266(4):677-684. PMID: 28692474.
168. Wasicek PJ, Shanmuganathan K, Yang S, Scalea TM, Brenner ML. Effect of severe traumatic hemorrhage on large arterial diameter as determined by computed tomography (CT). *Journal of Endovascular Resuscitation and Trauma Management*. 2018 Mar;226(3):294-308. PMID: 29248608.
169. Cimbanassi S, Chiara O, Leppaniema A, Henry Sh, Scalea TM, Shanmuganathan K, Biffi W, Catena F, Ansaloni L, Tugnoli G, De Blasio E, Chiericato A, Gordina G, Ribaldi S, Castriconi M, Festa P, Coccolini F, di Saverio S, Galfano A, Massi M, Celano M, Mutignani M, Rausei S, Pantalone D, Rampoldi A, Fattori L, Miniello S, Sgardello S, Bindi F, Renzi F, Sammarano F. Nonoperative management of abdominal solid-organ injuries following blunt trauma in adults: results from an international consensus conference. *J Trauma Acute Care Surg*. 2018 Mar;84(3):517-531. PMID: 29261593.
170. Ricaurte D, Aboushi R, Myer B, Scalea TM. Cardiac repair in a patient who had a previous clamshell thoracotomy. *J Trauma Acute Care Surg* 2018 Mar;84(3):542. PMID: 29112095.
171. Faulconer ER, Branco BC, Loja MN, Grayson K, Sampson J, Fabian TC, Holcomb JB, Scalea T, Skarupa D, Inaba K, Poulin N, Rasmussen TE, DuBose JJ. Use of open and endovascular surgical techniques to manage vascular injuries in the trauma setting: A review of the American Association for the Surgery of Trauma PROspective observational vascular injury trial registry. *J Trauma Acute Care Surgery*. 2017 Dec 20. PMID: 29261590.

172. DuBose J, Fabian T, Bee T, Moore JL, Holcomb JB, Brenner M, Skarupa D, Inaba K, Rasmussen TE, Turay D, Scalea TM, and the AAST Aorta Study Group. Contemporary Utilization of Resuscitative Thoracotomy: Results from the AAST Aortic Occlusion for Resuscitation in Trauma and Acute Care Surgery (AORTA) Multicenter Registry. *Shock*, 2017 Dec 26. PMID: 29280925.
173. Taylor JR, Fox EE, Holcomb JB, Rizoli S, Inaba K, Schreiber M, Brasel K, Scalea TM, Wade CE, Bulger E, Cotton BA, for the PROPPR Study Group. They hyperfibrinolytic phenotype is the most lethal and resource intense presentation of fibrinolysis in massive transfusion patients. *J Trauma Acute Care Surg*. 2018 Jan;84(1):25-30. PMID: 28914713.
174. Haac BE, Van Besien R, O'Hara NN, Slobogean GP, Manson TT, O'Toole RV, Johal H, Berger PZ, Reahl GB, Marinos D, Degani Y, Mascarenhas D, Connelly D, Scalea TM, Stein DM. Post-discharge adherence with venous thromboembolism prophylaxis after orthopedic trauma: Results from a randomized controlled trial of aspirin versus low molecular weight heparin. *J Trauma Acute Care Surg*. 2018 Apr;84(4):564-574. PMID: 29251700.
175. Hall EC, Tyrrell R, Doyle K, Scalea TM, Stein DM. Trauma transitional care coordination: A mature system at work. *J Trauma Acute Care Surgery*. 2018 May;84(5):711-717. PMID: 29370060.
176. Hall EC, Tyrrell RL, Scalea TM, Stein DM. Trauma transitional care coordination: Protecting the most vulnerable trauma patients from hospital readmission. *Trauma Surgery & Acute Care Open*. Feb 2018, 3 (1) e000149;DOI: 10.1136/tsaco-2017-000149. PMID: 29766133.
177. Romagnoli A, Teeter W, Wasicek PJ, Gamble W, Hu P, Stein D, Scalea T, Brenner M. No wire: No problem: Resuscitative endovascular balloon occlusion of the aorta (REBOA) can be performed effective and more rapidly with a wire-free device. 2018 Jun 12. PMID: 29901542.
178. Park H, Glaser J, Florecki K, Schmoekel N, DuBose J, Stein D, Scalea T. A novel, minimally invasive approach to assure hemostasis for intercostal bleeding after trauma. *J Trauma Acute Care Surgery*. 2018 Jun;84(6):1027-1029. PMID: 29462082.
179. Albrecht JS, Afshar M, Stein DM, Smith GS. Alcohol is not protective against mortality following traumatic brain injury. *Am J Epidemiol*. 2018 Feb 1;187(2):233-241. PMID: 28641392.
180. Essien EO, Fioretti K, Scalea TM, Stein DM. Physiologic features of brain death. *Am Surg*. 2017 Aug 1;83(8):850-854. PMID: 28822390.
181. Harvin JA, Maxim T, Inaba K, Martinez-Aguilar MA, King DR, Choudhry AJ, Zielinski MD, Akinyeye S, Todd SR, Griffin RL, Kerby JD, Bailey JA, Livingston DH, Cunningham K, Stein DM, Cattin L, Bulger EM, Wilson A, Undurraga Perl VJ, Schreiber MA, Cherry-Bukowiec JR, Alam HB, Holcomb JB. Mortality after emergent trauma laparotomy: A multicenter, retrospective study. *J Trauma Acute Care Surg*. 2017 Sep;83(3):464-468. PMID: 28598906.

182. Stein DM, Knight WA 4<sup>th</sup>. Emergency Neurological Life Support: Traumatic Spine Injury. *Neurocrit Care*. 2017 Sep;27(Suppl 1):170-180. PMID: 28913694.
183. Essien EI, Parimi N, Gutwald-Miller J, Nutter T, Scalea TM, Stein DM. Organ dysfunction and failure following brain death do not preclude successful donation. *World J Surg*. 2017 Nov;41(11):2933-2939. PMID: 28620674.
184. Rosen CB, Luy DD, Deane MR, Scalea TM, Stein DM. Routine repeat head CT may not be necessary for patients with mild TBI. *Trauma Surg Acute Care Open*. 2018 Jan 30;3(1)e000129. doi: 10.1136/tsaco-2017-000129. PMID: 29766124.
185. Hsu CH, Haac BE, Drake M, Bernard AC, Aiolfi A, Inaba K, Hinson HE, Agarwal C, Galante J, Tibbits EM, Johnson NJ, Carlbom D, Mirhoseini MF, Patel MB, O'Bosky KR, Chan C, Udekwu PO, Farrell M, Wild JL, Young KA, Cullinane DC, Gojmerac DJ, Weissman A, Callaway C, Perman SM, Guerrero M, Aisiku IP, Seethala RR, Co IN, Madhok DY, Darger B, Kim DY, Spence L, Scalea TM, Stein DM. EAST Multicenter Trial on targeted temperature management for hanging-induced cardiac arrest. *J Trauma Acute Care Surg*. 2018 Apr 19. doi: 10.1097/TA0000000000001945. [Epub ahead of print].
186. Robinson BRH, Cohen MJ, Holcomb JB, Pritts TA, Gooma D, Fox EE, Branson RD, Callcut RA, Cotton BA, Schreiber MA, Brskel KJ, Pittet JF, Inaba K, Kerby JD, Scalea TM, Wade CE, Bulger EM; PROPPR Study Group. Risk factors for the development of acute respiratory distress syndrome following hemorrhage. *Shock*. 2017 Nov 30. doi: 10.1097/SHK.0000000000001071[Epub ahead of print] PMID: 29194339.
187. Chang R, Fox EE, Greene TJ, Swartz MD, DeSantis SM, Stein DM, Bulger EM, Melton SM, Goodman MD, Schreiber MA, Zielinski MD, O'Keeffe T, Inaba K, Tomasek JS, Podbielski JM, Appana S, Yi M, Johansson PI, Henriksen HH, Stensballe J, Steinmetz J, Wade CE, Holcomb JB; PROHS Study Group. Abnormalities of laboratory coagulation tests versus clinically evident coagulopathic bleeding: results from the prehospital resuscitation on helicopters study (PROHS). *Surg*. 2018 Apr 163(4); 829-826 doi:10.1016/j.surg.2017.10.050. PMID: 29289392.
188. Teeter W, Romagnoli A, Wasicek P, Hu P, Yang S, Stein D, Scalea T, Brenner M. Resuscitative endovascular balloon occlusion of the aorta improves cardiac compression fraction versus resuscitative thoracotomy in patients in traumatic arrest. *Ann Emerg Med*. 2018 Apr 20. pii: S0196-0644(18)30162-8. doi:10.1016/j.annemergmed.2018.02.020. [Epub ahead of print]. PMID: 29685373.

189. Byrge N, Heilburn M, Winkler N, Sommers D, Evans H, Cattin LM, Scalea T, Stein DM, Neideen T, Walsh P, Sims CA, Brahmabhatt TS, Galante JM, Phan HH, Malhotra A, Stovall RT, Jurkovich GJ, Coimbra R, Berndtson AE, O'Callaghan TA, Gaspard SF, Schreiber MA, Cook MR, Demetriades D, Rivera O, Velmahos GC, Zhao T, Park PK, Machado-Aranda D, Ahmad S, Lewis J, Hoff WS, Suleiman G, Sperry J, Zolin S, Carrick MM, Mallory GR, Nunez, J, Colonna A, Enniss T, Nirula R. AN AAST-MITC ANALYSIS OF PANCREATIC TRAUMA: STAPLE OR SEW? RESECT OR DRAIN? *J Trauma Acute Care Surg.* 2018 May 21. doi: 10.1097/TA0000000000001987. [Epub ahead of print]. PMID: 29787527.
190. Burlew CC, Sumislawski JJ, Behnfield CD, McNutt MK, McCarthy J, Sharpe JP, Croce MA, Bala M, Kashuk J, Spalding MC, Beery PR, John S, Hutn DJ, Harmon L, Stein DM, Callcut R, Wybourn C, Sperry J, Anto V, Dunn J, Veith JP, Brown CVR, Celii A, Zander TL, Coimbra R, Berndtson AE, Moss TZ, Malhotra AK, Hazelton JP, Linden K, West M, Alam HB, Williams AM, Kim J, Inaba K, Moulton S, Choi YM, Warrant HL, Collier B, Ball CG, Savage S, Hartwell JI, Cullinane DC, Zielinski MD, Ray-Zack MD, Morse BC, Rhee P, Rutherford EJ, Udekwu P, Reynolds C, Toschlog E, Gondek S, Ju T, Haan JM, Lightwine KL, Kulvatunyou N, Coates B, Khouqeer AF, Todd SR, Zarzaur B, Waller CJ, Kallies KJ, Neideen T, Eddine SBZ, Peck KA, Dunne CE, Kramer K, Bokhari F, Dhillon TS, Galante JM, Cohen ML. TIME TO STROKE: A WESTERN TRAUMA ASSOCIATION MULTI-CENTER STUDY OF BLUNT CEREBROVASCULAR INJURIES. *J Trauma Acute Care Surg.* 2018 May 25. doi:10.1097/TA0000000000001989. [Epub ahead of print]. PMID: 29847537.
191. Abuelkasem E, Tanaka KA, Planinsic RM. Recent update on coagulation management and hemostatic therapies in liver transplantation. *Minerva Anestesiol.* 2018 Feb 14. doi: 10.23736/S0375-9393.18.12487-4. [Epub ahead of print] PMID: 29444563.
192. Bolliger D, Tanaka KA. Which Came First, the Chicken or the Egg?-Clinical Dilemmas in Managing Postoperative Bleeding and Decision-making for Re-exploration After Cardiac Surgery. *J Cardiothorac Vasc Anesth.* 2018 Jan 12. pii: S1053-0770(18)30013-2. doi: 10.1053/j.jvca.2018.01.010. [Epub ahead of print] No abstract available. PMID: 29433796.
193. Williams B, Mazzeffi MA, Sanchez PG, Pham SM, Kon Z, Tanaka KA. Case report of severe antithrombin deficiency during extracorporeal membrane oxygenation and therapeutic plasma exchange for double lung transplantation. *A&A Case Report* 2017 Jan 1;8(1):11-13. PMID: 28036320.
194. Tanaka KA, Bolliger D, Guzzetta NA. Clinical and practical aspects of restoring thrombin generation in acute coagulopathic bleeding. *Anesthesia & Analgesia* 2017 Feb;124(2):701. PMID: 28098698.
195. Wipfli C, Fitzpatrick M, Fitzpatrick J, Taylor BS, Tanaka KA. Assessment of fibrin polymerization during bivalirudin anticoagulation for transcatheter aortic valve replacement. *Journal of Cardiothoracic and Vascular Anesthesia* 2017 Aug;31(4):e65-66 (Corresponding author) Letter to the Editor. PMID: 28583422.

196. Tanaka K, Moser K, Abraham D, Sniecinski R, Mazzeffi M. Off-label PCC—Buyer be careful! *Journal of Cardiothoracic and Vascular Anesthesia*; 2017 Dec;31(6):e91-e92. PMID: 28365135.
197. Williams B, Wehman B, Mazzeffi MA, Odonkor P, Harris RL, Kon Z, Tanaka KA. Acute intracardiac thrombosis and pulmonary thromboembolism after cardiopulmonary bypass. *Anesthesia & Analgesia*. 2018 Feb;126(2):425-434. PMID: 28682954 (Corresponding author)
198. Okabayashi S, Ogawa S, Tanaka KA, Nishiyama T, Nakayama Y, Nakajima Y, Sawa T, Mizobe T. A comparative study of point-of-care prothrombin time in cardiopulmonary bypass surgery. *Journal of Cardiothoracic and Vascular Anesthesia*. 2017 Dec 29. pii: S1053-0770(17)31036-4. doi: 10.1053/j.jvca.2017.12.044 PMID: 29395816.
199. Mazzeffi MA, See JM, Williams B, Richards JE, Zimmerman D, Galvagno SM, Fontaine M, Tanaka KA. Five-year trends in perioperative red blood cell transfusion from index cases in five surgical specialties: 2011 to 2015: Perioperative RBC transfusion trends. *Transfusion*. 2018 May;58(5):1271-1278. doi: 10.1111/trf.14559. PMID: 29542136.
200. Odonkor P, Srinivas A, Strauss E, Williams B, Mazzeffi M, Tanaka KA. Perioperative Coagulation Management of a Hemophilia A Patient During Cardiac Surgery. *Semin Cardiothorac Vasc Anesth*. 2017 Dec;21(4):312-320. doi: 10.1177/1089253217702747. PMID: 28388863.
201. Mackenzie CF, Bowyer MW, Henry S, Tisherman SA, Puche A, Chen H, Shalin V, Pugh K, Garofalo E, Shackelford SA for the Retention and Assessment of Surgical Performance (RASP) Group. Cadaver-based trauma procedural skills training: Skills retention 30 months later among practicing surgeons in comparison to experts or more recently trained residents. *J Amer Coll Surg*, 2018 May 4. pii: S1072-7515(18)30327-2. doi: 10.1016/j.jamcollsurg.2018.04.028. [Epub ahead of print] PMID: 29733906.
202. Tisherman SA, Spevetz A, Blooser SA, Brown D, Chang C, Efron PA, O'Connor M, Sevransky JE, Wessman BT: A case for change in adult critical care training for physicians in the United States: A white paper developed by the Critical Care as a Specialty Task Force of the Society of Critical Care Medicine. June 2018 *rit Care Med*, in press.
203. Wasicek PJ, Teeter WA, Yang S, Hu P, Hoehn MR, Stein DM, Scalea TM, Brenner ML. Life over Limb: Lower Extremity Ischemia in the Setting of Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA). *Am Surg*. 2018 Jun 1;84(6):971-977. PMID: 29981633.
204. Kharaibeh K, Scott J, Morris NA. Neurogenic stress cardiomyopathy precipitated by acute hydrocephalus in the context of subacute subarachnoid hemorrhage. *Neurocritical Care*. 2018 April;28:239-242. PMID: 28799114