

Shock, Trauma and Anesthesiology Research Organized Research Center

FY 2021 Publication List
July 1, 2020 to June 30, 2021

1. Aicher BO, Hernandez MC, Betancourt-Ramirez A, Grossman MD, Heise H, Schroepfel TJ, Kongkaewpaisan N, **Bruns BR**, et al. Colorectal resection in emergency general surgery: An EAST multicenter trial. *J Trauma Acute Care Surg*. 2020 Dec;89(6):1023-1031. doi: 10.1097/TA.0000000000002894. PMID: 32890337
2. Aligholizadeh E, Teeter W, Patel R, Hu P, Fatima S, Yang S, Ramani G, Safadi S, Olivieri P, **Scalea TM, Murthi S**. A novel method of calculating stroke volume using point-of-care echocardiography. *Cardiovasc Ultrasound*. 2020 Aug 20;18(1):37. doi: 10.1186/s12947-020-00219-w. PMID: 32819371
3. Armahizer MJ, Howard AK, Seung H, Kalasapudi L, Sansur C, **Morris NA**. Risk Factors for Hypoglycemia with the Use of Enteral Glyburide in Neurocritical Care Patients. *World Neurosurg*. 2021 Mar;147:e63-e68. doi: 10.1016/j.wneu.2020.11.107. Epub 2020 Nov 27. PMID: 33253952
4. Arya, A.K., Hu, K., Subedi, L., **Hu B.**, et al. Focal intra-colon cooling reduces organ injury and systemic inflammation after REBOA management of lethal hemorrhage in rats. *Sci Rep*. 2021. 11, 13696. doi.org/10.1038/s41598-021-93064-4
5. **Badjatia N**, Sanchez S, Judd G, Hausladen R, Hering D, Motta M, **Parikh GY**, Chang W, **Morris NA**, Simard JM, Sorkin J, Wittenberg GF, Ryan AS. Neuromuscular Electrical Stimulation and High-Protein Supplementation After Subarachnoid Hemorrhage: A Single-Center Phase 2 Randomized Clinical Trial. *Neurocrit Care*. 2020 Nov 4. doi: 10.1007/s12028-020-01138-4. Epub ahead of print. PMID: 33150572.
6. Barmparas G, Alhaj Saleh A, Huang R, Eaton BC, **Bruns BR**, et al. Empiric antifungals do not decrease the risk for organ space infection in patients with perforated peptic ulcer. *Trauma Surg Acute Care Open*. 2021 May 19;6(1):e000662. doi: 10.1136/tsaco-2020-000662. PMID: 34079912
7. Baron BJ, **Scalea TM**. Not Yet Time to Abandon Cervical Collars in Blunt Trauma. *Acad Emerg Med*. 2021 Apr;28(4):475-476. doi: 10.1111/acem.14136. Epub 2020 Oct 19. PMID: 32966661.
8. Barr LF, Boss MJ, **Mazzeffi MA**, Taylor BS, Salenger R. Postoperative Multimodal Analgesia in Cardiac Surgery. *Crit Care Clin*. 2020;36(4):631-651. PMID:32892818.
9. Batra A, Warren CM, **Ke Y**, et al. Deletion of P21-activated kinase-1 induces age-dependent increased visceral adiposity and cardiac dysfunction in female mice. *Mol Cell Biochem*. January 2021. PMID:33389497.

10. Belyayev L, Herrold JA, Ko A, Kundi R, DuBose JJ, **Scalea TM, Morrison JJ**. Endovascular adjuncts for hybrid liver surgery. *J Trauma Acute Care Surg*. 2020 Sep;89(3):e51-e54. doi: 10.1097/TA.0000000000002817. PMID: 32472903.
11. Benhardt AC, **Kodali BS**. All epidural needle bevels are not the same. *Indian J Anaesth*. 2021 Apr;65(4):328-330. doi: 10.4103/ija.IJA_1503_20. Epub 2021 Apr 15. PMID: 34103748
12. Bhalla K, Jaber S, Reagan K, Hamburg A, Underwood KF, Jhajharia A, Singh M, Bhandary B, Bhat S, Nanaji NM, Hisa R, McCracken C, Creasy HH, Lapidus RG, Kingsbury T, Mayer D, **Polster BM**, Gartenhaus RB. SIRT3, a metabolic target linked to ataxia-telangiectasia mutated (ATM) gene deficiency in diffuse large B-cell lymphoma. *Sci Rep*. 2020 Dec 3;10(1):21159. doi: 10.1038/s41598-020-78193-6. PMID: 33273545
13. Bolliger D, Maurer M, **Tanaka KA**. Toward Optimal Anticoagulation Monitoring During Cardiopulmonary Bypass: It Is Still A Tough "ACT." *J Cardiothorac Vasc Anesth*. 2020;34(11):2928-2930. PMID:32741612.
14. Brammer J, Choi M, Baliban SM, Kambouris AR, **Fiskum G, Chao W**, Lopez K, Miller C, Al-Abed Y, Vogel SN, Simon R, Cross AS. A non-lethal murine flame burn model leads to a transient reduction in host defenses and enhanced susceptibility to lethal *Pseudomonas aeruginosa* infection. *Infect Immun*. 2021 Jun 21:IAI0009121. doi: 10.1128/IAI.00091-21. Epub ahead of print. PMID: 34152806.
15. Bukur M, Gorman E, DiMaggio C, Frangos S, **Morrison JJ, Scalea TM**, Moore LJ, Podbielski J, Inaba K, Kauvar D, Cannon JW, Seamon MJ, Spalding MC, Fox C, DuBose JJ; the AAST AORTA Study Group. Temporal Changes in REBOA Utilization Practices are Associated with Increased Survival: an Analysis of the AORTA Registry. *Shock*. 2021 Jan 1;55(1):24-32. doi: 10.1097/SHK.0000000000001586. PMID: 32842023.
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17. Chipman AM, Wu F, **Kozar RA**. Fibrinogen inhibits microRNA-19b, a novel mechanism for repair of haemorrhagic shock-induced endothelial cell dysfunction. *Blood Transfus*. 2021 Jan 27;. doi: 10.2450/2021.0361-20. PMID: 33539284.
18. Chow J, Richards J, **Galvagno SM Jr**, Coleman P, Lankford A, Hendrix C, Dunitz J, Ibrahim I, **Ghneim M, Tanaka KA, Scalea TM, Mazzeffi MA, Hu P**. The Algorithm Examining the Risk of Massive Transfusion (Alert) Score Accurately Predicts Massive Transfusion at the Scene of Injury and on Arrival to the Trauma Bay. *Shock*. 2021; Publish Ahead of Print. doi: 10.1097/SHK.0000000000001772
19. Chow JH, Chancer Z, **Mazzeffi MA**, McNeil JS, Sokolow MJ, Gaines TM, Reif MM, Trinh AT, Wellington IJ, Camacho JE, Bruckner JJ, **Tanaka KA**, Ludwig S. Impact of

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20. Chow JH, Khanna AK, Kethireddy S, **Tanaka KA**, **Galvagno SM Jr**, Herr DL, **Scalea TM**, **Mazzeffi MA**, et al. Aspirin Use Is Associated with Decreased Mechanical Ventilation, Intensive Care Unit Admission, and In-Hospital Mortality in Hospitalized Patients with Coronavirus Disease 2019. *Anesth Analg*. 2021 Apr 1;132(4):930-941. doi: 10.1213/ANE.0000000000005292. PMID: 33093359.
 21. Chow JH, **Mazzeffi MA**, **Tanaka KA**. In response. *Anesth Analg*. March 2020. PMID:32175945.
 22. Chow JH, **Strauss E**, **Mazzeffi MA**. Angiotensin II and Vasoplegia in Cardiac Surgery: Paradigm Changer or Costly Contender? *J Cardiothorac Vasc Anesth*. September 2020. PMID:32950345.
 23. Chow JH, Wallis M, Lankford AS, Chancer Z, Barth RN, Scalea JR, LaMattina JC, **Mazzeffi MA**, McCurdy MT. Treatment of Renin-Angiotensin-Aldosterone System Dysfunction With Angiotensin II in High-Renin Septic Shock. *Semin Cardiothorac Vasc Anesth*. 2021 Mar;25(1):67-73. doi: 10.1177/1089253220949070. Epub 2020 Aug 12. PMID: 32787515.
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 25. Cimeno A, Sultan S, Alvarez-Casas J, Hanish SI, Bruno DA, Hutson WR, **Stein DM**, **Scalea TM**, Barth RN, LaMattina JC. Transplant Hepatectomy With Portacaval Shunt and MARS Therapy for Perioperative Catastrophe: A Series of Four Liver Transplant Cases. *Transplant Direct*. 2021 Feb 18;7(3):e674. doi: 10.1097/TXD.0000000000001125. PMID: 34113714; PMCID: PMC8183897.
 26. Cojocar L, Lankford A, Galey J, Bharadwaj S, **Kodali BS**, Kennedy K, Goetzinger K, Turan OM. Surgical advances in the management of placenta accreta spectrum: establishing new expectations for operative blood loss. *J Matern Fetal Neonatal Med*. 2020 Dec 3:1-10. PMID: 33272057.
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 28. COVIDSurg Collaborative (**Diaz J**). Mortality and pulmonary complications in patients undergoing surgery with perioperative SARS-CoV-2 infection: an international cohort

- study. *Lancet*. 2020 Jul 4;396(10243):27-38. doi: 10.1016/S0140-6736(20)31182-X. PMID: 32479829
29. COVIDSurg Collaborative; GlobalSurg Collaborative (**Rock P, Mazzeffi, MA**). Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. *Anaesthesia*. 2021 Jun;76(6):748-758. doi: 10.1111/anae.15458. Epub 2021 Mar 9. PMID: 33690889
 30. Deatrck KB, **Mazzeffi MA, Galvagno SM Jr**, Boswell K, Kaczoroswki DJ, Rabinowitz RP, Madathil RJ, Cornachione CR, Herr DL, **Scalea TM, Menaker J**. Breathing Life Back into the Kidney-Continuous Renal Replacement Therapy and Veno-Venous Extracorporeal Membrane Oxygenation. *ASAIO J*. July 2020. PMID:32657829.
 31. 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 Mar 29;264:76-80. doi: 10.1016/j.jss.2021.01.036. Epub ahead of print. PMID: 33794388
 32. DeVience SJ, Lu X, Proctor JL, Rangghran P, Medina JA, Melhem ER, Gullapalli RP, **Fiskum G**, Mayer D. Enhancing Metabolic Imaging of Energy Metabolism in Traumatic Brain Injury Using Hyperpolarized [1-¹³C]Pyruvate and Dichloroacetate. *Metabolites*. 2021 May 24;11(6):335. doi: 10.3390/metabo11060335. PMID: 34073714
 33. DuBose JJ, **Morrison JJ**, Moore LJ, Cannon JW, Seamon MJ, Inaba K, Fox CJ, Moore EE, Feliciano DV, **Scalea TM**; AAST AORTA Study Group. Does Clamshell Thoracotomy Better Facilitate Thoracic Life-Saving Procedures Without Increased Complication Compared with an Anterolateral Approach to Resuscitative Thoracotomy? Results from the American Association for the Surgery of Trauma Aortic Occlusion for Resuscitation in Trauma and Acute Care Surgery Registry. *J Am Coll Surg*. 2020 Dec;231(6):713-719.e1. doi: 10.1016/j.jamcollsurg.2020.09.002. Epub 2020 Sep 16. PMID: 32947036
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