

Shock, Trauma and Anesthesiology Research Organized Research Center

FY 2020 Publication List

July 1, 2019 to June 30, 2020

1. Abulwerdi G, **Stoica BA**, Loane DJ, **Faden AI**. Putative mGluR4 positive allosteric modulators activate GI-independent anti-inflammatory mechanisms in microglia. *Neurochem Int*. May 2020:104770. PMID:32454165.
2. Adnan S, Romagnoli A, Madurska M, Dubose J, **Scalea TM**, **Morrison JJ**. Safety and efficacy of radial access in trauma in 65 trauma endovascular cases. *Journal of Vascular Surgery*. 2020;71(5):1564-1571.
3. Adnan SM, Romagnoli AN, Martinson JR, Madurska MJ, Dubose JJ, **Scalea TM**, **Morrison JJ**. A Comparison of Transradial and Transfemoral Access for Splenic Angio-Embolisation in Trauma: A Single Centre Experience. *Eur J Vasc Endovasc Surg*. 2020 Mar;59(3):472-479. doi: 10.1016/j.ejvs.2019.11.028. Epub 2019 Dec 18. PMID: 31865031.
4. Agarwal S, **Morris N**, Der-Nihohossian CD, May T, Brodie D. The influence of therapeutics on prognostication after cardiac arrest. *Current Treatment Options in Neurology*. 2019 Nov;21(12):60. PMID: 31768661.
5. Ageron F-X, Debaty G, Savary D, Ch.ply F, Albasini F, Usseglio P, Vallot C, **Galvagno SM Jr**, Bouzat P. Association of helicopter transportation and improved mortality for patients with major trauma in the northern French Alps Trauma System: An observational study based on the TRENAU Registry. *Scand J Trauma Resusc Emerg Med*. 2020;28(1):35. PMID:32398058.
6. Arora RC, Chatterjee S, Shake JG, Hirose H, Engelman DT, **Rabin J**, Firstenberg M, Moosdorf RGH, Geller CM, Hiebert B, Whitman GJ. Survey of Contemporary Cardiac Surgery ICU Models in the United States. *Annals of Thoracic Surgery*. 2020; 109:702-710. PMID: 31421102
7. Baglien B, Ngaage LM, Elegbede A, Gebran SG, **Nam AJ**, Niederhaus S, Scalea JR, Bromberg JS, Bartlett ST, Rasko YM. Teamwork Makes the Dream Work: Maximizing Surgical Intervention at the Time of Living Donor Renal Transplantation. *Transplant Proc*. 2020 Apr;52(3):731-736. Epub 2020 Mar 12. PMID: 32173587.
8. Barrett JP, Henry RJ, Shirey KA, Doran SJ, Makarevich OD, Ritzel RM, Meadows VA, Vogel SN, **Faden AI**, **Stoica BA**, Loane DJ. Interferon- β plays a detrimental role in experimental traumatic brain injury by enhancing neuroinflammation that drives chronic neurodegeneration. *J Neurosci*. 2020;40(11):2357-2370. Epub 2020 Feb 6. PMID:32029532
9. Bhat SA, **Henry RJ**, Blanchard AC, **Stoica BA**, Loane DJ, **Faden AI**. Enhanced Akt/GSK-3 β /CREB signaling mediates the anti-inflammatory actions of mGluR5 positive allosteric modulators in microglia and following traumatic brain injury in male mice. *J Neurochem*. January 2020: e14954. Online ahead of print. PMID:31926033.

10. Blitzer DN, Ottochian M, **O'Connor JV**, Feliciano DV, **Morrison JJ**, DuBose JJ, **Scalea TM**. Timing of intervention may influence outcomes in blunt injury to the carotid artery. *J Vasc Surg*. 2020 Apr;71(4):1323-1332.e5. doi: 10.1016/j.jvs.2019.05.059. Epub 2019 Sep 9. PMID: 31515175.
11. Blitzer D, Ottochian M, **O'Connor JV**, Feliciano D, **Morrison JJ**, DuBose J, **Scalea TM**. Penetrating Injury to the Carotid Artery: Characterizing Presentation and Outcomes from the National Trauma Data Bank. *Annals of Vascular Surgery*. 2020; PMID: 32217135
12. Boehm LM, Pun BT, Stollings JL, Girard TD, **Rock P**, Hough CL, Hsieh SJ, Khan BA, Owens RL, Schmidt GA, Smith S, Ely EW. A multi-site study of nurse-reported perceptions and practice of ABCDEF bundle components. *Intensive Crit Care Nurs*. May 2020:102872. PMID:32389395.
13. Bolliger D, **Tanaka KA**. More is not always better: Effects of cell salvage in cardiac surgery on postoperative fibrinogen concentrations. *J Cardiothorac Vasc Anesth*. April 2020. PMID:32359708.
14. Bolliger D, **Tanaka KA**. Tranexamic acid in vascular surgery: antifibrinolytic or clot-stabilising activity. *Br J Anaesth*. 2020;124(1):4-6. Epub 2019 Oct 25. PMID:31668952.
15. Boulos FM, Pasrija C, DiChiacchio L, Rouse M, Raithel M, Mackowick K, Rector R, **Mazzeffi MA**, Griffith BP, Diaz JJ, Kon ZN, Deatrck KB. Early decompressive laparotomy for intra-abdominal hypertension following initiation of venovenous extracorporeal membrane oxygenation. *ASAIO J*. 2020;66(5):520-523. PMID:31425255.
16. Brao K, Greenwell P, Hsu KL, Marinos D, Stains JP, Hovis JP, **Joshi M.**, et al.: Intraoperative Tobramycin Powder Prevents Enterobacter cloacae Surgical Site Infections in a Rabbit Model of Internal Fixation. *J. Orthop Trauma*, 2020 Jun 3. doi:10.1097/BOT.0000000000001859. PMID: 32516196 [Epub ahead of print]
17. Brenner M, Moore L, Zakhary B, Schwed A, Cralley A, Romagnoli A, **Scalea TM**, et al. Scalpel or Sheath? Outcomes Comparison Between Pre-Peritoneal Pelvic Packing and Angioembolization for Definitive Hemorrhage Control After REBOA. *Journal of Endovascular Resuscitation and Trauma Management*. April 2020;4(1).
18. Brown RA, Voit A, Srikanth MP, Thayer JA, Kingsbury TJ, Jacobson MA, **Lipinski MM**, Feldman RA, Awad O. mTOR hyperactivity mediates lysosomal dysfunction in Gaucher's disease iPSC-neuronal cells. *Dis Model Mech*. 2019;12(10). Online ahead of print. PMID:31519738.
19. Cao T, Matyas JJ, Renn CL, **Faden AI**, Dorsey SG, **Wu J**. Function and mechanisms of truncated BDNF receptor TrkB.T1 in neuropathic pain. *Cells*. 2020;9(5). PMID:32403409.
20. Cardinal P, Henry S, **Joshi M**, **Lauerma M**, Park H. Fatal necrotizing soft tissue infection caused by Clostridium tetani in an injecting drug user: a case report. *Surg Infect*. 2020 Jan 2. PMID: 31895668 [epub ahead of print].

21. Chandrasekaran K, Choi J, Arvas MI, Salimian M, Singh S, Xu S, Gullapalli RP, **Kristian T**, Russell JW. Nicotinamide mononucleotide administration prevents experimental Diabetes-induced cognitive impairment and loss of Hippocampal neurons. *Int J Mol Sci*. 2020;21(11). PMID:32466541.
22. Chandrasekaran K, Salimian M, Konduru SR, Choi J, Kumar P, Long A, Klimova N, Ho C-Y, **Kristian T**, Russell JW. Overexpression of Sirtuin 1 protein in neurons prevents and reverses experimental diabetic neuropathy. *Brain*. 2019;142(12):3737-3752. Epub 2019 Nov 21. PMID:31754701.
23. Chipman AM, Jenne C, Wu F, **Kozar RA**. Contemporary resuscitation of hemorrhagic shock: What will the future hold? *Am J Surg*. 2020. May 11 PMID: 32409009 [Epub ahead of print]
24. Chipman AM, Pati S, Potter D, Wu F, Lin M, **Kozar RA**. Is all plasma created equal? A pilot study of the effect of interdonor variability. *J Trauma Acute Care Surg*. 2020 Jan;88(1):121-127. PMID: 31688783
25. Chipman AM, Wu F, Pati S, Burdette AJ, Glaser JJ, **Kozar RA**. Fresh Frozen Plasma Attenuates Lung Injury in a Novel Model of Prolonged Hypotensive Resuscitation: Plasma and Prolonged Hypotensive Resuscitation. *J Trauma Acute Care Surg*. 2020 Apr 8. PMID: 32282752 [Online ahead of print]
26. Chiu WC, Powers DB, Hirshon JM, Shackelford SA, **Hu PF**, Chen SY, Chen HH, **Mackenzie CF**, Miller CH, Du Bose JJ, Carroll C, Fang R, **Scalea TM**. Impact of trauma centre capacity and volume on the mortality risk of incoming new admissions. *BMJ Mil Health*. May 2020. PMID:32474436.
27. Chow JH, Abuelkasem E, Sankova S, **Henderson RA**, **Mazzeffi MA**, **Tanaka KA**. Reversal of vasodilatory shock: Current perspectives on conventional, rescue, and emerging vasoactive agents for the treatment of shock. *Anesth Analg*. 2020;130(1):15-30. PMID:31348056.
28. Chow JH, Fedeles B, Richards JE, **Morrison JJ**, **Rock P**, **Scalea TM**, **Mazzeffi MA**, TROPIC-Trauma Investigators. Thromboelastography reaction-time thresholds for optimal prediction of coagulation factor deficiency in trauma. *J Am Coll Surg*. March 2020. PMID:32142926.
29. Chow JH, **Mazzeffi MA**, McCurdy MT. Angiotensin II for the treatment of COVID-19-related vasodilatory shock. *Anesth Analg*. March 2020. PMID:32209811.
30. Chow JH, **Mazzeffi MA**, McCurdy MT. Justification of the safety and efficacy of Angiotensin II for the treatment of SARS-CoV-induced shock. *Anesth Analg*. June 2020. PMID:32502134.
31. Chow JH, **Mazzeffi MA**, **Tanaka KA**. In response. *Anesth Analg*. March 2020. PMID:32175945.
32. Chow JH, **Richards JE**, **Morrison JJ**, **Galvagno SM Jr**, **Tanaka KA**, Madurska MJ, **Rock P**, **Scalea TM**, **Mazzeffi MA**. Viscoelastic signals for optimal resuscitation in trauma:

Kaolin thrombelastography cutoffs for diagnosing hypofibrinogenemia (VISOR Study). *Anesth Analg*. 2019;129(6):1482-1491. PMID:31743167.

33. Cimbanassi S, O'Toole R, Maegele M, Henry S, **Scalea TM**, et al. Orthopedic injuries in patients with multiple injuries: Results of the 11th trauma update international consensus conference Milan, December 11, 2017. *J Trauma Acute Care Surg*. 2020 Feb;88(2):e53-e76. doi: 10.1097/TA.0000000000002407. PMID: 32150031.
34. Coleman PJ, Nissen AP, Kim DE, Ainsworth CR, McCurdy MT, **Mazzeffi MA**, Chow JH. Angiotensin II in decompensated cirrhosis complicated by septic shock. *Semin Cardiothorac Vasc Anesth*. September 2019:1089253219877876. Online ahead of print. PMID:31540560.
35. Colloca L, Lee SE, Lohoway MN, Haycock N, Okusogu C, Yim S, Raghuraman N, Goodfellow R, Murray RS, Casper P, Lee M, **Scalea TM**, Fouche Y, **Murthi S**. Relieving acute pain (RAP) study: a proof-of-concept protocol for a randomised, double-blind, placebo-controlled trial. *BMJ Open*. 2019 Nov 11;9(11):e030623. PMID: 31719077.
36. Crawford AM, Yang S, **Hu P**, Li Y, Lozanova P, **Scalea TM**, **Stein DM**. Concomitant chest trauma and traumatic brain injury, biomarkers correlate with worse outcomes. *J Trauma Acute Care Surg*. 2019;87(1S Suppl 1):S146-S151. PMID:31246919.
37. Davidson A, Madurska M, Moran B, **Morrison JJ**, DuBose J, **Scalea TM**. Direct site endovascular repair as salvage procedure after anastomotic breakdown of primary repair following trauma. *Journal of Vascular Surgery Cases and Innovative Techniques*. 2019;5(4):597-601.
38. Deane M, **Galvagno SM Jr**, Moran B, **Stein DM**, **Scalea TM**, **O'Connor JV**. Shock, not blood pressure or shock index, determines the need for thoracic damage control following penetrating trauma. *Shock*. November 2019. PMID:31693631.
39. Deatrck KB, **Galvagno SM Jr**, **Mazzeffi MA**, Kaczoroswki DJ, Herr DL, Rector R, Hochberg E, Rabinowitz RP, **Scalea TM**, **Menaker J**. Pilot study evaluating a non-titrating, weight-based anticoagulation scheme for patients on veno-venous extracorporeal membrane oxygenation. *Perfusion*. 2020 Jan;35(1):13-18. doi: 10.1177/0267659119850024. Epub 2019 May 23. PMID: 31122144.
40. Deatrck KB, **Mazzeffi MA**, **Galvagno SM Jr**, Tesoriero RB, Kaczoroswki DJ, Herr DL, Dolly K, Rabinowitz RP, **Scalea TM**, **Menaker J**. Outcomes of venovenous extracorporeal membrane oxygenation when stratified by age: How old is too old? *ASAIO J*. November 2019. Online ahead of print. PMID:31764005.
41. Diaconu SC, McNichols CHL, Ngaage LM, Liang Y, Ikheloa E, Bai J, **Grant MP**, **Nam AJ**, Rasko YM. Closed-incision negative-pressure therapy decreases complications in ventral hernia repair with concurrent panniculectomy. *Hernia*. 2020 Feb;24(1):49-55. doi: 10.1007/s10029-018-1865-2. PMID: 30560390.
42. DiChiacchio L, Boulos FM, Brigante F, Raithel M, Shah A, Pasrija C, Mackowick K, Menaker J, **Mazzeffi MA**, Herr D, Kon AN, Deatrck KB. Early tracheostomy after initiation of venovenous extracorporeal membrane oxygenation is associated with decreased

duration of extracorporeal membrane oxygenation support. *Perfusion*. February 2020;267659119898327. Online ahead of print. PMID:32020840.

43. DiChiacchio L, Singh AK, Lewis B, Zhang T, Hardy N, Pasrija C, Morales D, Odonkor P, Strauss E, **Williams B**, Deatrck KB, Kaczorowski DJ, Ayares D, Griffith BP, Bartlett St, Mohiuddin MM. Early experience with preclinical perioperative cardiac xenograft dysfunction in a single program. *Ann Thorac Surg*. 2020;109(5):1357-1361. PMID:31589847.
44. Doran SJ, Henry RJ, Shirey KA, Barrett JP, Ritzel RM, Lai W, Blanco JC, **Faden AI**, Vogel SN, Loane DJ. Early or late bacterial lung infection increases mortality after traumatic brain injury in male mice and chronically impairs monocyte innate immune function. *Crit Care Med*. 2020;48(5):e418-e428. PMID:32149839.
45. Doucet JJ, Ferrada P, **Murthi S**, Nirula R, Edwards S, Cantrell E, Han J, **Haase D**, Singleton A, Birkas Y, Casola G, Coimbra R; AAST Multi-Institutional Trials Committee. Ultrasonographic inferior vena cava diameter response to trauma resuscitation after 1 hour predicts 24-hour fluid requirement. *J Trauma Acute Care Surg*. 2020 Jan;88(1):70-79. doi: 10.1097/TA.0000000000002525. PMID: 31688824.
46. Dreizin D, Liang Y, Dent J, Akhter N, Mascarenhas D, **Scalea TM**. Diagnostic value of CT contrast extravasation for major arterial injury after pelvic fracture: A meta-analysis. *Am J Emerg Med*. 2019. Doi: 10.1016/j.ajem.2019.11.038
47. Dreizin D, Zhou Y, Chen T, Li G, Yuille AL, McLenithan A, **Morrison JJ**. Deep learning-based quantitative visualization and measurement of extraperitoneal hematoma volumes in patients with pelvic fractures: Potential role in personalized forecasting and decision support. *J Trauma Acute Care Surg*. 2020 Mar;88(3):425-433. doi: 10.1097/TA.0000000000002566. PMID: 32107356.
48. Dutton RP, **Grissom TE**, Herbstreit F. COVID-19 and trauma care: Improvise, adapt and overcome! *Anesth Analg*. May 2020. PMID:32366773.
49. Eaton B, O'Meara L, Herrera AV, Tesoriero R, **Diaz J**, Bruns B. Service-Based Advanced Practice Providers: The Surgeon's Perspective. *Am Surg*. 2019 Jul 1;85(7):747-751. PMID: 31405421
50. Efun GE, Zerillo J, Zhou G, **Mazzeffi MA**, Demaria S, Wang C, Anders MG, **Rock P**, Miller J, Wadhwa V, Holzner M, Mandell MS, Pshak TJ, Chang C-H, Scovetti JC, Scalea JR, Pai SL, Chad RM, Fukazawa K, Darling CD, Groose M, Kolodzie K, Bokoch M. Corrigendum to "Intravenous fluid management practices in kidney transplant patients: A multicenter observational cohort pilot study." *Semin Cardiothorac Vasc Anesth*. March 2020: 1089253220912853. Online ahead of print. PMID:32114900.
51. Efun GE, Zerillo J, Zhou G, **Mazzeffi MA**, Demaria S, Wang C, Society for the Advancement of Transplant Anesthesia Research Committee Writing Group. Intravenous Fluid Management Practices in Kidney Transplant Patients: A Multicenter Observational Cohort Pilot Study. *Semin Cardiothorac Vasc Anesth*. 2020 Jan 29.1089253220901665. doi: 10.1177/1089253220901685. Online ahead of print. PMID: 31994444.

52. Elegbede A, Drogt C, Wasicek PJ, Dunlow R, Gebran S, Ngaage LM, Rasko YM, Liang F, **Nam AJ, Grant MP**. Orbital Injuries from Self-Inflicted Gunshots: Patterns, Management, and Visual Outcomes. *Ophthalmic Plast Reconstr Surg*. 2020 Mar/Apr;36(2):152-156. doi: 10.1097/IOP.0000000000001499. PMID: 31876679.
53. Elegbede A, Wasicek PJ, Mermulla S, Dunlow R, Rasko YM, Aarabi B, Liang F, **Grant MP, Nam AJ**. Survival following Self-Inflicted Gunshots to the Face. *Plast Reconstr Surg*. 2019 Aug;144(2):415-422. doi: 10.1097/PRS.0000000000005842. PMID: 31348352.
54. Engdahl AJ, Parrino CR, Wasicek PJ, **Galvagno SM Jr**, Brenner ML, **Anders MG, Conti B, Rock P, McCunn M**. Anesthetic management of patients after traumatic injury with resuscitative endovascular balloon occlusion of the aorta. *Anesth Analg*. 2019;129(5):e146-e149. Online ahead of print. PMID:31634204.
55. Fedeles B, **Galvagno SM Jr**. Helicopter emergency medical services for trauma: An update. *Current Surgery Reports (Springer)*. 2019;7(8). doi: 10.1007/s40137-019-0239-8. [Online ahead of print]
56. Flaubert M, Lauerma MH, Haase D, Fatima S, **Galvagno SM Jr, Scalea TM, Stein DM, Murthi S**. Does Right Ventricular Dysfunction Represent Cardiac Frailty in Critically Ill Trauma Patients? *Trauma*. 2020 Jan;22(1):18-25. doi.org/10.1177/1460408618794215 [Online ahead of print]
57. Frassini S, Gupta S, Granieri S, Cimbanassi S, Sammartano F, **Scalea TM**, Chiara O. Extraperitoneal packing in unstable blunt pelvic trauma: A single-center study. *J Trauma Acute Care Surg*. 2020 May;88(5):597-606. doi: 10.1097/TA.0000000000002618. PMID: 32317576.
58. **Galvagno SM Jr**, Pelekhaty S, Cornachione CR, Deatrick KB, **Mazzeffi MA, Scalea TM, Menaker J**. Does weight matter? Outcomes in adult patients on venovenous extracorporeal membrane oxygenation when stratified by obesity class. *Anesth Analg*. October 2019. Online ahead of print. PMID:31663965.
59. **Galvagno SM Jr**, Sikorski RA, Floccare DJ, **Rock R, Mazzeffi MA**, DuBose JJ, **Scalea TM**, Miller C, Richards JE, **O'Connor JV**, Mackenzie CF, **Hu P**. Prehospital point of care testing for the early detection of shock and prediction of lifesaving interventions. *Shock*. May 2020. PMID:32453248.
60. Gayed BN, Zarzaur BL, Livingston DH, Chiu WC, Davis KA, **Tisherman SA**, Alam HB, Spain DA. Mapping the increasing interest in acute care surgery-Who, why and which fellowship? *J Trauma Acute Care Surg*. 2020 May;88(5):629-635. doi: 10.1097/TA.0000000000002585. PMID: 32320176.
61. Gebran SG, Knighton B, Ngaage LM, Rose JA, **Grant MP**, Liang F, **Nam AJ**, Kavic SM, Kligman MD, Rasko YM. Insurance Coverage Criteria for Bariatric Surgery: A Survey of Policies. *Obes Surg*. 2020 Feb;30(2):707-713. PMID: 31749107.
62. Gebran SG, **Nam AJ**. Sir Harold Delf Gillies-The Surgeon Artist. *Ann Plast Surg*. 2020 Feb;84(2):127-129. doi: 10.1097/SAP.0000000000002022. PMID: 31658101

63. Gebran SG, Wasicek PJ, Elegbede A, Ngaage LM, Liang Y, Ottochian M, **Morrison JJ**, Rasko YM, Liang F, **Grant MP**, **Nam AJ**. Characterization of Age-Related Injury Patterns and Surgical Treatment of Pediatric Facial Fractures: Analysis of the National Trauma Data Bank. *J Craniofac Surg*. 2019 Oct;30(7):2189-2193. doi: 10.1097/SCS.00000000000005789. PMID: 31369513.
64. Godat LN, Jensen AR, **Stein DM**; **Coalition for National Trauma Research Scientific Advisory Council**. Patient-centered outcomes research and the injured patient: a summary of application. *Trauma Surg Acute Care Open*. 2020 Feb 4;5(1):e000422. PMID: 32154381
65. Goerlich CE, Kaczorowski D, Singh A, Abdullah M, Lewi, B, Zhang T, Tatarov I, Sentz F, Hershfeld A, Odonkor P, **Williams B**, **Strauss E**, Ayares D, Griffith B, Mohiuddin M. Human Thrombomodulin Transgene Expression Prevents Intracardiac Thrombus in Life Supporting Pig-to-Baboon Cardiac Xenotransplantation. *The Journal of heart and lung transplantation*. 2020 Apr 1;39(4):S145.
66. Goodfellow MJ, Borcar A, Proctor JL, Greco T, Rosenthal RE, **Fiskum G**. Transcriptional activation of antioxidant gene expression by Nrf2 protects against mitochondrial dysfunction and neuronal death associated with acute and chronic neurodegeneration. *Exp Neurol*. 2020;328:113247. Epub 2020 Feb 12. PMID:32061629.
67. Grazioli A, Athale J, **Tanaka K**, Madathil R, Rabin J, Kaczorowski D, **Mazzeffi MA**. Perioperative applications of therapeutic plasma exchange in cardiac surgery: A narrative review. *J Cardiothorac Vasc Anesth*. February 2020. Online ahead of print. PMID:32147326.
68. Grazioli A, Shah SR, **Rabin J**, Shah R, Madathil RJ, King JD, DiChiacchio L, Rector R, Deatrick KB, Wu ZJ, Herr D. High efficiency, high flux in-line hemofiltration utilizing a high blood flow extracorporeal circuit. *Perfusion*. 2020 May;35:351-355. PMID: 31526104
69. **Grissom TE**. Walking the tightrope of bleeding control: Fibrinolysis in trauma. *Anesth Analg*. 2019;129(3):644-646. PMID:31425200.
70. Harmon L, Bilow R, Shanmuganathan K, Lauerma M, Todd R, Cardenas J, Haugen CE, Albrecht R, Pittman S, Cohen M, Kaups K, Dirks R, Burlew CC, Fox CJ, Con J, Inaba K, Harrison P, Berg G, Waller CJ, Kallies KJ, **Kozar RA**. Delayed Splenic Rupture: Myth or Mystery? A Western Trauma Association Multicenter Study. *Am J Surg*. 2019 Sept;218(3):579-583. PMID: 31284948
71. Harris DG, Rabin J, Crawford RS, Klyushnenkova EN, Drucker CB, Chen H, **Scalea TM**, and **Diaz JJ**. Incidence and outcomes of thoracic aortic injuries with regionalized care in a mature trauma system. *Trauma*. 2019;21:55-60.
72. Heavner MS, McCurdy MT, **Mazzeffi MA**, **Galvagno SM Jr**, **Tanaka KA**, Chow JH. Angiotensin II and Vasopressin for vasodilatory shock: A critical appraisal of catecholamine-sparing strategies. *J Intensive Care Med*. March 2020:885066620911601. PMID:32223515.

73. **Henderson R**, Choi S. History and Practice of Acute Normovolemic Hemodilution. *Curr Anesthesiol Rep*. June 2020. doi:10.1007/s40140-020-00396-4
74. Henry RJ, Meadows VE, **Stoica BA**, **Faden A**, Loane DJ. Longitudinal assessment of sensorimotor function following controlled cortical Impact in mice: Comparison of beam walk, rotarod and automated gait analysis tests. *J Neurotrauma*. June 2020. PMID:32484024.
75. Henry RJ, Ritzel RM, Barrett JP, Doran SJ, Jiao Y, Leach JB, Szeto GL, **Wu J**, **Stoica BA**, **Faden AI**, Loane DJ. Microglial depletion with CSF1R inhibitor during chronic phase of experimental traumatic brain injury reduces neurodegeneration and neurological deficits. *J Neurosci*. 2020;40(14):2960-2974. PMID:32094203.
76. Hollander KN, Mondal S, **Tanaka KA**. Peer review of intraoperative blood utilization in the cardiac anesthesia team - is the grass greener on the other side? *Transfusion*. 2019;59(10):3289-3290. Online ahead of print. PMID:31595990.
77. Honzel E, **Murthi S**, Brawn-Cinani B, Colloca G, Kier C, Varshney A, Colloca L. Virtual reality, music, and pain: developing the premise for an interdisciplinary approach to pain management. *Pain*. 2019 Sep;160(9):1909-1919. doi: 10.1097/j.pain.0000000000001539. PMID: 30817437.
78. Howie W, Scott-Herring M, Pollak AN, **Galvagno SM Jr**. Advanced prehospital trauma resuscitation with a physician and certified registered nurse anesthetist: The Shock Trauma "Go-Team." *Air Med J*. 2020;39(1):51-55. Epub 2019 Oct 23. PMID:32044070.
79. Howley IW, Stein DM, **Scalea TM**. Outcomes and complications for portal vein or superior mesenteric vein injury: No improvement in the era of damage control resuscitation. *Injury*. 2019 Dec;50(12):2228-2233. doi: 10.1016/j.injury.2019.10.015. Epub 2019 Oct 7. PMID: 31635905.
80. Jaber SM, Ge SX, Milstein JL, VanRyzin JW, Waddell J, **Polster BM**. Idebenone has distinct effects on mitochondrial respiration in cortical astrocytes compared to cortical neurons due to differential NQO1 activity. *J Neurosci*. 2020;40(23):4609-4619. PMID:32350039.
81. Jaber SM, Yadava N, **Polster BM**. Mapping mitochondrial respiratory chain deficiencies by respirometry: Beyond the Mito Stress Test. *Exp Neurol*. 2020;328:113282. Epub 2020 Mar 9. PMID:32165258.
82. Jenkins R, **Morris NA**, Haac B, van Besien R, **Stein DM**, **Badjatia N**, Medic A, Mester G, Tran QK. Outcome predictors for severely brain-injured patients directly admitted or transferred from emergency departments to a trauma center. *World Journal of Emergency Medicine*. 2020;11(2):120. PMID: 32076479
83. Jeyaram A, Lamichhane TN, Wang S, **Zou L**, Dahal E, Kronstadt SM, Levy D, Parajuli B, Knudsen DR, **Chao W**, Jay SM. Enhanced loading of functional miRNA cargo via pH gradient modification of extracellular vesicles. *Mol Ther*. 2020;28(3):975-985. Epub 2019 Dec 24. PMID:31911034.

84. Jian W, Gu L, **Williams B**, Feng Y, **Chao W**, **Zou L**. Toll-like receptor 7 contributes to inflammation, organ injury, and mortality in murine sepsis. *Anesthesiology*. 2019;131(1):105-118. PMID:31045897.
85. Jones KM, DiChiacchio L, Deatrck KB, Dolly K, Rea J, **Galvagno SM Jr**, **Herr D**, **O'Connor JV**, **Scalea TM**, Menaker J. Cardiac Arrest Prior to Initiation of Veno-Venous Extracorporeal Membrane Oxygenation Is Not Associated with Increased In-Hospital Mortality. *ASAIO J*. 2020 Jun;66(6):e79-e81. PMID: 32479713.
86. Judd M, **Strauss ER**, Hasan S, Abuelkasem E, Li J, **Deshpande S**, **Mazzeffi MA**, Ogawa S, **Tanaka KA**. Clotting time results are not interchangeable between EXTEM and FIBTEM on rotational thromboelastometry. *J Cardiothorac Vasc Anesth*. 2020;34(6):1467-1473. Epub 2019 Dec 23. PMID:32139339.
87. Karki P, **Birukov KG**. Oxidized phospholipids in healthy and diseased lung endothelium. *Cells*. 2020;9(4). PMID:32326516.
88. Karuppiah A, Bharadwaj S, Crimmins S, Elsamadicy E, Rabin J, **Kodali BS**. Adaptation of labor and delivery to COVID-19. *Am J Disaster Med*, 2020 Spring;15(2):93-97. PMID: 32804389.
89. **Kaushik K**, Cirillo C, Bastin F. On modelling human population characteristics with copulas. *Procedia Computer Science*. 2019. 151:210217
90. Kiefer JJ, **Rock P**, Augoustides JG, **Mazzeffi MA**. Critical care during the Coronavirus crisis-reflections on the roles of anesthesiologists in meeting the challenges of the pandemic. *J Cardiothorac Vasc Anesth*. May 2020. PMID:32507459.
91. Kim J, Nguyen TTT, Li Y, Zhang C-O, Cha B, **Ke Y**, **Mazzeffi MA**, **Tanaka KA**, Birukova AA, **Birukov, KB**. Contrasting effects of stored allogeneic red blood cells and their supernatants on permeability and inflammatory responses in human pulmonary endothelial cells. *Am J Physiol Lung Cell Mol Physiol*. Mar 2020;318(3):L533-L548. Epub 2020 Jan 8. PMID:31913681.
92. Kim KT, Harfouche M, **Scalea TM**. Challenge of Acute Care Surgery: Management of Penetrating Liver Trauma. *Journal of Trauma and Acute Care Surgery*. March 2020. Volume Publish Ahead of Print.
93. Klimova N, Fearnow A, Long A, **Kristian T**. NAD⁺ precursor modulates post-ischemic mitochondrial fragmentation and reactive oxygen species generation via SIRT3 dependent mechanisms. *Exp Neurol*. 2020; 325:113144. Epub 2019 Dec 16. PMID:31837320.
94. **Kodali BS**, Choi L, Chau A, Harvey BC, Braynov J, Tsen LC, Palanisamy A. Use of a novel non-invasive respiratory monitor to study changes in pulmonary ventilation during labor epidural analgesia. *J Clin Monit Comput*. 2020;34(3):567-574. Epub 2019 Jul 8. PMID:31286333.
95. **Kozar RA**, Crandall M, Shanmuganathan K, Zarzaur B, Coburn M, Cribari C, Kaups K, Schuster K, Tominaga GT; AAST Patient Assessment Committee. Reply to Letter: Organ

injury scaling 2018 update: Spleen, liver, and kidney. *J Trauma Acute Care Surg.* 2019 Oct;87(4):999. PMID: 31589197

96. Kufera JA, Al-Hadidi A, Knopp DG, Dezman ZDW, **Kerns TJ**, Okedele OE, Rosenthal GL, Tracy JK. The impact of a new casino on the motor vehicle crash patterns in suburban Maryland. *Acc Anal Prev.* 2020 Jul;142:105554 PMID: 32408144
97. Lachance B, Wang Z, **Badjatia N**, Jia X. Somatosensory Evoked Potentials and Neuroprognostication After Cardiac Arrest. *Neurocrit Care.* 2020;32(3):847-857. doi:10.1007/s12028-019-00903-4
98. Lauerma MH, Herrera AV (co-first author), Albrecht JS, Chen HH, Bruns BB, Tesoriero RB, **Scalea TM, Diaz JJ**. Percentage of Mortal Encounters Transferred in Emergency General Surgery. *J Surg Research.* 2019 Jul; 243:391-398. PMID: 31277017
99. Lee D, Pearson T, Proctor JL, Rosenthal RE, **Fiskum G**. Oximetry-Guided normoxic resuscitation following canine cardiac arrest reduces cerebellar Purkinje neuronal damage. *Resuscitation.* 2019; 140:23-28. doi:10.1016/j.resuscitation.2019.04.043. PMID: 31063840.
100. Leibner E, Andrae M, **Galvagno SM Jr, Scalea TM**. Damage control resuscitation. *Clin Exp Emerg Med.* 2020;7(1):5-13. PMID:32252128.
101. Li M, **Mazzeffi MA**, Gammie JS, Banoub M, Pazhani Y Herr D, Madathil R, Pousatis S, Bathula A. Characterization of postoperative infection risk in cardiac surgery patients with delayed sternal closure. *J Cardiothorac Vasc Anesth.* May 2020;34(5):1238-1243. Epub 2020 Jan 13. PMID:32127277.
102. Li Y, Cao T, Ritzel RM, He J, **Faden AI, Wu J**. Dementia, Depression, and Associated Brain Inflammatory Mechanisms after Spinal Cord Injury. *Cells.* 2020;9(6):1420. Published 2020 Jun 8. doi:10.3390/cells9061420 PMID: 32521597.
103. Li Y, Jones JW, Choi HMC, Sarkar C, Kane MA, Koh EY, **Lipinski MM, Wu J**. cPLA2 activation contributes to lysosomal defects leading to impairment of autophagy after spinal cord injury. *Cell Death Dis.* 2019;10(7):531. Online ahead of print. PMID:31296844.
104. Lopez E, Peng Z, **Kozar RA**, Cao Y, Ko TC, Wade CE, Cardenas JC. Antithrombin III Contributes to the Protective Effects of Fresh Frozen Plasma Following Hemorrhagic Shock by Preventing Syndecan-1 Shedding and Endothelial Barrier Disruption. *Shock.* 2020 Feb;53(2):156-163. PMID: 31389906
105. **Mackenzie CF**, Shackelford SA, Tisherman SA, **Yang S**, Puche A, Elster EA, Bowyer MW. Critical errors in infrequently performed trauma procedures after training. *Surgery.* July 2019. Online ahead of print. PMID:31353081.
106. Madathil RJ, Tabatabai A, Rabin J, Menne AR, **Henderson R, Mazzeffi MA, Scalea TM, Tanaka K**. Thromboelastometry and D-Dimer Elevation in Coronavirus-2019 [published online ahead of print, 2020 May 21]. *J Cardiothorac Vasc Anesth.* 2020;S1053-0770(20)30481-X. doi:10.1053/j.jvca.2020.05.020 PMID 32593588

107. Madden M, Andrews P, Rector R, **Menaker J**, Habashi N. Carbogen for Apnea Testing During the Brain Death Declaration Process in Subjects on Extracorporeal Membrane Oxygenation. *Respir Care*. 2020 Jan;65(1):75-81. doi: 10.4187/respcare.06378. Epub 2019 Nov 5. PMID: 31690613.
108. Madurska MJ, Franklin C, Richmond M, Adnan SM, Stansby GP, White JM, **Morrison JJ**. Improving the safety of resuscitative endovascular balloon occlusion of the aorta - Compliant versus semi-compliant balloon systems. *Vascular*. 2020 May 1:1708538120922106. doi: 10.1177/1708538120922106. Epub ahead of print. PMID: 32356682.
109. Martinson J, Park H, Butler FK Jr, Hammesfahr R, DuBose JJ, **Scalea TM**. Tourniquets USA: A Review of the Current Literature for Commercially Available Alternative Tourniquets for Use in the Prehospital Civilian Environment. *J Spec Oper Med*. 2020 Summer;20(2):116-122. PMID: 32573747.
110. **Mazzeffi MA**. Patient Blood Management in Adult Extracorporeal Membrane Oxygenation Patients. *Curr Anesthesiol Rep*. June 2020;10(2):147-156. doi:10.1007/s40140-020-00384-8
111. **Mazzeffi MA**, Del Rio JM, Gutsche J. Give me your tired, your poor, your extracorporeal membrane oxygenation patients. *J Cardiothorac Vasc Anesth*. 2019;33(11):3054-3055. PMID:31351876.
112. **Mazzeffi MA**, Holmes SD, Alejo D, Fonner CE, Ghoreishi M, Pasrija C, Schena S, Metkus T, Salenger R, Whitman G, Ad N, Higgins RSD, Taylor B, Maryland Cardiac Surgery Quality Initiative (MCSQI). Racial disparity in cardiac surgery risk and outcome: Report from a statewide quality initiative. *Ann Thorac Surg*. January 2020. Online ahead of print. PMID:31962111.
113. **Mazzeffi MA**, Evans CF. β -Blockers in aortic valve surgery: Beta safe than sorry? *J Thorac Cardiovasc Surg*. July 2019. Online ahead of print. PMID:31277814.
114. **Mazzeffi MA**, Gammie JS, **Tanaka K**, Holmes SD, Salenger R, Alejo D, **Galvagno SM Jr**, **Rock P**, Taylor B. Maryland's Global Budget Revenue Program and coronary artery bypass surgery. *Ann Thorac Surg*. December 2019. Online ahead of print. PMID:31877294.
115. **Mazzeffi MA**, Madathil RJ, Gutsche JT. In extracorporeal cardiopulmonary resuscitation, it's great to be young. *J Cardiothorac Vasc Anesth*. 2020;34(2):363-364. Epub 2019 Aug 30. PMID:31606279.
116. **Mazzeffi MA**, Patel PA, Bolliger D, Erdoes G, **Tanaka K**. The year in coagulation: Selected highlights from 2019. *J Cardiothorac Vasc Anesth*. 2020;34(7):1745-1754. PMID:32115363.
117. **Mazzeffi MA**, Petrick KM, Magder L, Greenwald BD, Darwin P, Goldberg EM, Bigeleisen P, Chow JH, Anders M, Boyd CM, Kaplowitz JS, Sun K, Terrin M, **Rock P**. High-flow nasal cannula Oxygen in patients having anesthesia for advanced

Esophagogastroduodenoscopy: HIFLOW-ENDO, a randomized clinical trial. *Anesth Analg*. May 2020. PMID:32398433.

118. McLaren AC, Sculoc TP, Brause B, Bostrom M, Kates SL, Parvizai J, Vlker A, Arnold WV, Carli A, Chen AF, Choe H, Coraca-Huber DC, Cross M, Ghert M, Hickok N, **Joshi M**, et al: Adjuvant antibiotic-loaded bone cement: Concerns with current use and research to make it work. *J Orthop Res*. 2020 Jan 30. doi:10.1002/jor.24616. PMID: 31997412 [Epub ahead of print]
119. McNeil J, Raphael J, Chow JH, **Tanaka K, Mazzeffi MA**. Antifibrinolytic Drugs and allogeneic transfusion in pediatric multilevel spine surgery: A propensity score matched cohort study. *Spine*. 2020;45(6):E336-E341. Online ahead of print. PMID:31574059.
120. Mondal S, Dawood M, Bandyopadhyay D, Taylor BS, **Tanaka K**, Gupta A. Transcatheter aortic valve replacement: A potential option for aortic insufficiency management in patients with left ventricular assist device. *Int J Cardiol Heart Vasc*. 2020;26:100425. PMID:31763439.
121. Mondal S, Sankova S, Lee K, Sorensen E, Kaczorowski, **Mazzeffi MA**. Intraoperative and early postoperative management of patients undergoing minimally invasive left ventricular assist device implantation. *J Cardiothorac Vasc Anesth*. 2020;20(3074-8):S1053-0770. PMID:32505605.
122. Morita Y, **Strauss E, Tanaka KA**. Low ACT after high-dose Heparin: Is hemodilution best option to pass by Scylla and Charybdis? *A A Pract*. 2019;13(12):479. PMID:31633487.
123. **Morrison JJ**, Madurska MJ, Romagnoli A, Ottochian M, Adnan S, Teeter W, Kuebler T, Hoehn MR, Brenner ML, DuBose JJ, **Scalea TM**. A Surgical Endovascular Trauma Service Increases Case Volume and Decreases Time to Hemostasis. *Ann Surg*. 2019 Oct;270(4):612-619. doi: 10.1097/SLA.0000000000003486. PMID: 31356265.
124. **Morrison JJ**, McMahon J, DuBose JJ, **Scalea TM**, Lawson JH, Rasmussen TE. Clinical implementation of the Humacyte human acellular vessel: Implications for military and civilian trauma care. *J Trauma Acute Care Surg*. 2019 Jul;87(1S Suppl 1):S44-S47. doi: 10.1097/TA.0000000000002350. PMID: 31246906.
125. Ngaage LM, Elegbede A, Sugarman J, **Nam AJ**, Cooney CM, Cooney DS, Rasko YM, Brandacher G, Redett RJ. The Baltimore Criteria for an ethical approach to penile transplantation: a clinical guideline. *Transpl Int*. 2020 May;33(5):471-482. doi: 10.1111/tri.13545. Epub 2019 Dec 23. PMID: 31646681.
126. Ngaage LM, Kim CJ, Harris C, McNichols CH, Ihenatu C, Rosen C, Elegbede A, Gebran S, Liang F, Rada EM, **Nam AJ**, Slezak S, Lifchez SD, Rasko YM. Graduate perception of cosmetic surgery training in plastic surgery residency and fellowship programs. *Arch Plast Surg*. 2020 Jan;47(1):70-77. Epub 2020 Jan 15. PMID: 31964126
127. Ngaage LM, Wu Y, Ge S, Gebran S, Liang F, Rada EM, **Nam AJ**, Silverman RP, Rasko YM. Factors influencing the local cure rate of hidradenitis suppurativa following wide local excision. *Int Wound J*. 2020 Feb;17(1):117-123. doi: 10.1111/iwj.13241. Epub 2019 Nov 3. PMID: 31680472.

128. Picetti E, Rossi S, Abu-Zidan FM, Ansaloni L, Armonda R, Baiocchi GL, Bala M, Balogh ZJ, Berardino M, Biffi WL, Bouzat P, Buki A, Ceresoli M, Chesnut RM, Chiara O, Citerio G, Coccolini F, Coimbra R, Di Saverio S, Fraga GP, Gupta D, Helbok R, Hutchinson PJ, Kirkpatrick AW, Kinoshita T, Kluger Y, Leppaniemi A, Maas AIR, Maier RV, Minardi F, Moore EE, Myburgh JA, Okonkwo DO, Otomo Y, Rizoli S, Rubiano AM, Sahuquillo J, Sartelli M, **Scalea TM**, Servadei F, Stahel PF, Stocchetti N, Taccone FS, Tonetti T, Velmahos G, Weber D, Catena F. WSES consensus conference guidelines: monitoring and management of severe adult traumatic brain injury patients with polytrauma in the first 24 hours. *World J Emerg Surg.* 2019 Nov 29;14:53. doi: 10.1186/s13017-019-0270-1. PMID: 31798673
129. **O'Connor JV**, Moran B, **Galvagno SM Jr**, Deane M, Feliciano DV, **Scalea TM**. Admission physiology vs blood pressure: Predicting the need for operating room thoracotomy after penetrating thoracic trauma. *J Am Coll Surg.* 2020;230(4):494-500. Epub 2020 Jan 3. PMID:32007533.
130. O'Toole RVB, Degani Y, Carlini AR, Castillo RC, O'Hara NN, **Joshi M.**, et al.: Systemic Absorption and Nephrotoxicity Associated with Topical Vancomycin Powder for Fracture Surgery. *J Ortho Trauma*, 2020 Jun 12. Doi:10.1097/BOT.0000000000001866. PMID: 32569068 [Epub ahead of print]
131. Olivieri PP, Patel R, Kolb S, Fatima S, **Galvagno SM Jr**, Haase DJ, Ramani GV, Ludmir J, Alkhatib H, Herr D, Bruno DA, **Scalea TM**, Murthi SB. Echo is a good, not perfect, measure of cardiac output in critically ill surgical patients. *J Trauma Acute Care Surg.* 2019;87(2):379-385. PMID:31349350.
132. P Ho V, Dicker R, Haut ER; **Coalition of National Trauma Research Scientific Advisory Council (Kozar RA)**. Dissemination, implementation, and de-implementation: the trauma perspective. *Trauma Surg Acute Care Open.* 2020 Feb 4;5(1):e000423 PMID: 32154382
133. Pandit, DM, **Kaushik K**, Cirillo C. Coupling national performance management research data set and the highway performance monitoring system datasets on a geospatial level. *Transportation Research Record.* 2019. 2673(4):583-592.
134. Pasrija C, Ghoreishi M, Whitman G, Ad N, Alejo De, Holmes SD, Schena S, Salenger R, **Mazzeffi MA**, Fonner CE, Taylor, Investigators for the Maryland Cardiac Surgery Quality Initiative. Mitigating the risk: Transfusion or reoperation for bleeding after cardiac surgery. *Ann Thorac Surg.* December 2019. Online ahead of print. PMID:31866482.
135. Pasrija C, Sawan MA, Sorensen E, Voorhees H, Shah A, **Strauss E**, Ton V-K, DiChiacchio L, Kaczorowski DJ, Griffith BP, Pham SM, Kon ZN. Less invasive left ventricular assist device implantation may reduce right ventricular failure. *Interact Cardiovasc Thorac Surg.* 2019;29(4):592-598. Epub 2019 Jul 1. PMID:31326991.
136. Pelekhaty S, **Galvagno SM Jr**, Hochberg E, **Herr DL**, Lantry JH, Kon ZN, Deatrick KB, **Menaker J**. Nitrogen Balance During Venovenous Extracorporeal Membrane Oxygenation Support: Preliminary Results of a Prospective, Observational Study. *JPEN J Parenter Enteral Nutr.* 2020 Mar;44(3):548-553. doi: 10.1002/jpen.1176. Epub 2018 May 25. PMID: 29799136.

137. Pelekhaty SL, **Galvagno SM Jr**, Lantry JH, Dolly KN, **Herr DL**, Kon ZN, Deatrck KB, Cornachione CR, **Scalea TM**, Menaker J. Are Current Protein Recommendations for the Critically Ill Adequate for Patients on VV ECMO: Experience From a High-Volume Center. *JPEN J Parenter Enteral Nutr.* 2020 Feb;44(2):220-226. doi: 10.1002/jpen.1602. Epub 2019 May 15. PMID: 31090949.
138. Pelekhaty SL, Pajoumand M, Omanwa KS, **Galvagno SM Jr**, Lantry JH, Deatrck KB, Cornachione CR, **Menaker J**. Oxandrolone in patients on venovenous extracorporeal membrane oxygenation: A case series. *Nutr Clin Pract.* 2020;35(3):514-521. PMID:32083363.
139. Piacente C, Martucci G, Miceli V, Pavone G, Papeo A, Occhipinti G, Panarello G, Lorusso R, **Tanaka K**, Arcadipane A. A narrative review of antithrombin use during veno-venous extracorporeal membrane oxygenation in adults: rationale, current use, effects on anticoagulation, and outcomes. *Perfusion.* 2020 Mar 31 Epub ahead of print. PMID: 32228213.
140. Price MA, **Kozar RA**, Bulger EM, Jurkovich GJ; Coalition for National Trauma Research Scientific Advisory Council. Building the future for national trauma research. *Trauma Surg Acute Care Open.* 2020 Feb 4;5(1):e000421. PMID: 32154380
141. Raffman A, Shah U, Barr JF, Hassan S, Azike LU, Tanveer S, Bracklow S, Parker B, **Haase DJ**, Tran QK. Predictors of Clinically Relevant Differences Between Noninvasive Versus Arterial Blood Pressure. *Am J Emerg Med.* 2020 Feb 24. Pii: S0735-6757(20)30117-0. PMID: 32169387.
142. Reddi A, Patel N, **Morris N**. Diffuse large B-cell lymphoma secondary to JC virus in progressive multifocal leukoencephalopathy. *Journal of Neurovirology.* 2019 December;25(6):883-886. PMID: 31140130
143. Reid JE, Gupta S, **Scalea TM**, **Stein DM**. Delayed presentation of pericardio-diaphragmatic hernia following blunt trauma: A case report. *Trauma Case Rep.* 2019 Nov 29;24:100250. doi: 10.1016/j.tcr.2019.100250. PMID: 31872023.
144. Richards JE, Samet RE, Koerner AK, **Grissom TE**. Tranexamic Acid in the Perioperative Period: Yes, No, Maybe? *Adv Anesth.* 2019 Dec;37:87-110. Epub 2019 Sep 18. PMID: 31677661.
145. Ritzel RM, Li Y, He J, Khan N, Doran SJ, **Faden AI**, **Wu J**. Sustained neuronal and microglial alterations are associated with diverse neurobehavioral dysfunction long after experimental brain injury. *Neurobiol Dis.* 2020;136:104713. Epub 2019 Dec 13. PMID:31843705.
146. **Sabirzhanov B**, Makarevich O, Barrett J, Jackson IL, **Faden AI**, **Stoica BA**. Down-regulation of miR-23a-3p mediates irradiation-induced neuronal apoptosis. *Int J Mol Sci.* 2020;21(10). PMID:32456284.
147. **Sabirzhanov B**, Matyas J, Coll-Miro M, Yu LL, **Faden AI**, **Stoica BA**, **Wu J**. Inhibition of microRNA- 711 limits angiopoietin-1 and Akt changes, tissue damage, and motor

dysfunction after contusive spinal cord injury in mice. *Cell Death Dis.* 2019;10(11):839. Epub 2019 Nov 4. PMID:31685802.

148. Sethuraman KN, Douglas TM, Bostick BB, Comer AC, Myers B, **Rosenthal RE**. Clinical Characteristics of pediatric patients with carbon monoxide poisoning. *Pediatr Emerg Care.* 2020 Apr;36(4):178-181. PMID: 29298249
149. Shriki J, Johnson L, Patel P, McGann M, Lurie T, Phipps MS, Yarbrough K, Jindal G, Mubariz H, **Galvagno SM Jr**, Thom SR, Tran QK. Transport blood pressures and outcomes in stroke patients requiring thrombectomy. *Air Med J.* 2020;39(3):166-172. PMID:32540106.
150. Slobogean GP, Sprague S, Wells J, Bhandari M, Rojas A, Garbaldi A, Wood A, Howe H, Harris AD, Petrisor BA, Mullins DC, Pogorzelski D, Marvel D, Heels-Ansdell D, MOssuto F, Grissom F, DeFabbro G, Guyatt GH, Rocca GJ, Demyanovich HK, Gitajn I, Palmer J, D'Alleyrand J-C, Friederich J, Rivers J, Hebden J, Rudnicki J, Fower J, Jeray KL, Thabane L, Marchand L, O'Hara LM, **Joshi M.**, et al. Effectiveness of iodophor vs chlorhexidine solutions for surgical site infections and unplanned reoperations for patients who underwent fracture repair: The PREP-IT master protocol. *Jama Netw Open.* 2020 Apr ;3(4): e202215. PMID: 32259266
151. Sperry JL, Martin MJ, Moore EE, Sava JA, Ciesla D, Rizzo AG, Brown C, Brasel K, **Kozar RA**, Vercruyse G, Inaba K. Prehospital Resuscitation in Adult Patients Following Injury: A Western Trauma Association Critical Decisions Algorithm. *J Trauma Acute Care Surg.* 2019 Nov;87(5):1228-1231 PMID: 31464868
152. Stennett, CA, O'Hara NN, Sprague S, Petrisor B, Jeray KL, Leekha S, Yimgang DP, **Joshi M**, et al. Effect of Extended Prophylactic Antibiotic Duration in the Treatment of Open Fracture Wounds Differs by Level of Contamination. *J Orthop Trauma.* 2020 Mar;34(3):113-120. PMID: 32084088
153. Tabatabai A, Rabin J, **Menaker J**, Madathil R, **Galvagno SM Jr**, Menne A, Chow JH, Grazioli A, **Herr D**, **Tanaka K**, **Scalea TM**, **Mazzeffi MA**. Factor VIII and functional Protein C activity in critically ill patients with Coronavirus disease 2019: A case series. *A A Pract.* 2020;14(7):e01236. PMID:32539272.
154. Tabatabai A, **Menaker J**, Stene E, Kufera JA, Rabinowitz RP, Kon Z, **Herr DL**, **Scalea TM**. Methylprednisolone may be associated with improved lung compliance in acute respiratory distress syndrome patients on veno-venous extracorporeal membrane oxygenation. *Perfusion.* 2020 Feb 19:267659120906044. Epub ahead of print. PMID: 32072859.
155. Takeshita S, **Tanaka KA**, Sawa T, Sanda M, Mizobe T, Ogawa S. Whole blood point-of-care testing for incomplete reversal with Idarucizumab in supratherapeutic dabigatran. *Anesth Analg.* 2020;130(2):535-541. PMID:31490820.
156. Talley DA, Dunlap E, Silverman D, Katzer S, Huffines M, Dove C, Anders M, **Galvagno SM Jr**, Tisherman SA. Improving postoperative handoff in a surgical intensive care unit. *Crit Care Nurse.* 2019;39(5):e13-e21. PMID:31575601.

157. **Tanaka KA, Henderson R, Williams B.** Heparin-induced Thrombocytopenia and cardiac surgery: Can we do It all with Cangrelor? *A A Pract.* 2019;13(9):366. PMID:31567127
158. **Tanaka KA, Henderson RA, Strauss ER.** Evolution of viscoelastic coagulation testing [published online ahead of print, 2020 May 3]. *Expert Rev Hematol.* 2020;1-11. doi:10.1080/17474086.2020.1758929 PMID 32310702
159. **Tanaka KA,** Mondal S, Morita Y, **Williams B, Strauss ER,** Cicardi M. Perioperative management of patients with hereditary angioedema with special considerations for cardiopulmonary bypass. *Anesth Analg.* 2020;113(1):155-169. PMID:32102012.
160. **Tanaka KA,** Reformato VS, **Mazzeffi MA.** Propofol—Is she Dr Jekyll or Ms Hyde? *J Cardiothorac Vasc Anesth.* 2020;34(1):307-308.Epub 2019 Jul 4. PMID:31383596.
161. **Tchantchou F,** Goodfellow M, Li F, Ramsue, L., Miller, C., Puche, A. and **Fiskum, G.** Hyperhomocysteinemia-Induced oxidative stress exacerbates cortical traumatic brain injury outcomes in rats. *Cell Mol Neurobiol.* May 2020. PMID:32405706.
162. Theodorou CM, Anderson JE, Brenner MB, **Scalea TM,** Inaba K, Cannon J, Seamon M, Spalding MC, Fox CJ, Moore EE, DuBose JJ, Galante JM, AAST AORTA Study Group. Practice, Practice, Practice! Effect of Resuscitative Endovascular Balloon Occlusion of the Aorta Volume on Outcomes: Data From the AAST AORTA Registry. *Journal of Surgical Research.* 2020;253:18-25. doi:10.1016/j.jss.2020.03.027
163. Tompeck AJ, Gajdhar AUR, Dowling M, Johnson SB, Barie PS, Winchell RJ, King D, **Scalea TM,** Britt LD, Narayan M. A comprehensive review of topical hemostatic agents: The good, the bad, and the novel. *J Trauma Acute Care Surg.* 2020 Jan;88(1):e1-e21. doi: 10.1097/TA.0000000000002508. PMID: 31626024.
164. Tran QK, Foster M, Bowler J, Lancaster M, Tchaj J, Andersen K, Matta A, **Haase DJ.** Emergency and critical care providers' perception about the use of bedside ultrasound for confirmation of above-diaphragm central venous catheter placement. *Heliyon.* 2020 Jan 7;6(1):e03113. PMID: 32042935.
165. Tran QK, **O'Connor JV,** Vesselinov R, **Haase D,** Duncan R, Aitken A, Rea JH, Jones K, Dinardo T, **Scalea TM,** Menaker J, Rubinson L. The Critical Care Resuscitation Unit Transfers More Patients from Emergency Departments Faster and is Associated with Improved Outcomes. *J Emerg Med.* 2019 Nov 21. Pii: S0736-4679(19)30825-X. PMID: 31761462.
166. Tran QK, Rehan MA, **Haase DJ,** Matta A, Pourmand A. Prophylactic antibiotics for anterior nasal packing in emergency department: A systematic review and meta-analysis for clinically significant infections. *Am J Emerg Med.* 2020 May;38(5):983-989. PMID: 31839514.
167. Vella M, Dumas R, DuBose J, **Morrison JJ, Scalea TM,** Moore L et al. Intraoperative REBOA: an analysis of the American Association for the Surgery of Trauma AORTA registry. *Trauma Surgery & Acute Care Open* 2019;4:e000340. doi: 10.1136/tsaco-2019-000340. PMID: 31799415

168. Venkatasubba Rao CP, Suarez JI, Martin RH, Bauza C, Georgiadis A, Calvillo E, Hemphill JC 3rd, Sung G, Oddo M, Taccone FS, LeRoux PD, **PRINCE Study** Investigators. Global Survey of Outcomes of Neurocritical Care Patients: Analysis of the PRINCE Study Part 2. *Neurocrit Care*. 2019 Sep 4 PMID: 31486027
169. Verdiner RE, Choukalas CG, Siddiqui S, Stahl DL, **Galvagno SM Jr**, Jabaley CS, Bartz RR, Lane-Fall M, Goff K, Sreedharan R, Bennett S, Williams GW, Khanna A. COVID activated emergency scaling of anesthesiology responsibilities (CAESAR) ICU. *Anesthesia & Analgesia*. 2020; [Published Ahead of Print]. PMID:32398432
170. Warnack E, Bukur M, Frangos S, DiMaggio C, **Kozar RA**, Klein M, Berry C. Age is a predictor for mortality after blunt splenic injury. *Am J Surg*. 2020 Feb 6. PMID: 32061397 [Online ahead of print]
171. Wasicek PJ, Gebran SG, Elegbede A, Ngaage LM, Rasko Y, Ottochian M, Liang F, **Grant MP, Nam AJ**. Differences in Facial Fracture Patterns in Pediatric Nonaccidental Trauma. *J Craniofac Surg*. 2020 Jun;31(4):956-959. PMID: 32176005.
172. Wasicek PJ, Gebran SG, Ngaage LM, Liang Y, Ottochian M, **Morrison JJ**, Rasko Y, Liang F, **Grant MP, Nam AJ**. Contemporary Characterization of Injury Patterns, Initial Management, and Disparities in Treatment of Facial Fractures Using the National Trauma Data Bank. *J Craniofac Surg*. 2019 Oct;30(7):2052-2056. PMID: 31425409.
173. Weiner L, **Mazzeffi MA**, Hines EQ, Gordon D, Herr DL, Kim HK. Clinical utility of venoarterial-extracorporeal membrane oxygenation (VA-ECMO) in patients with drug-induced cardiogenic shock: a retrospective study of the Extracorporeal Life Support Organizations' ECMO case registry. *Clin Toxicol*. 2020;58(7):705-710. Epub 2019 Oct 16. PMID:31617764.
174. **Williams B, Henderson RA**, Reformato VS, Pham T, Taylor BS, **Tanaka KA**. Hemostasis management of patients undergoing emergency cardiac surgery after Ticagrelor loading. *J Cardiothorac Vasc Anesth*. 2019. Epub 2019 Jun 15. PMID:31375405.
175. **Williams B**, Neder J, Cui P, Suen A, Tanaka K, **Zou L, Chao W**. Toll-like receptors 2 and 7 mediate coagulation activation and coagulopathy in murine sepsis. *J Thromb Haemost*. 2019 Oct;17(10):1683-1693. doi: 10.1111/jth.14543. Epub 2019 Jul 23. PMID: 31211901; PMCID: PMC7197442.
176. Wise BT, Connelly D, Rocca M, Mascarenhas D, Huang, Y, Maceroli MA, Gage MJ, **Joshi M**, Castillo RC, O'Toole RV. A Predictive Score for Determining Risk of Surgical Site Infection After Orthopaedic Trauma Surgery. *J Ortho Trauma*. 2019 Oct;33(10):506-513. PMID: 31188262
177. Wu D, **Birukov K**. Endothelial cell mechano-metabolomic coupling to disease states in the lung microvasculature. *Front Bioeng Biotechnol*. 2019; 7:172. PMID:31380363.
178. Wu F, Chipman A, Dong JF, **Kozar RA**. Fibrinogen Activates PAK1/Cofilin Signaling Pathway to Protect Endothelial Barrier Integrity. *Shock*. 2020 May 18. PMID: 32433215 [Epub ahead of print]

179. Wu F, Chipman A, **Kozar RA**. What's New in Shock 2019? *Shock*. 2019 Sep;52(3):285-287
180. Wu F, Chipman A, Pati S, Miyasawa B, Corash L, **Kozar RA**. Resuscitative Strategies to Modulate the Endotheliopathy of Trauma: From Cell to Patient. *Shock*. 2020 May;53(5):575-584. PMID: 31090680
181. **Wu J, Lipinski MM**. Autophagy in neurotrauma: Good, bad, or dysregulated. *Cells*. 2019;8(7). PMID:31295858.
182. **Yang S**, Stansbury LG, **Rock P, Scalea TM, Hu PF**. The authors reply. *Crit Care Med*. 2019;47(12):e1034. PMID:31738258.
183. Yue JK, Yuh EL, Korley FK, Winkler EA, Sun X, Puffer RC, Deng H, Choy W, Chandra A, Taylor SR, Ferguson AR, Huie JR, Rabinowitz M, Puccio AM, Mukherjee P, Vassar MJ, Wang KKW, Diaz-Arrastia R, Okonkwo DO, Jain S, Manley GT, **TRACK-TBI Investigators (Badjatia N)**. Association between plasma GFAP concentrations and MRI abnormalities in patients with CT-negative traumatic brain injury in the TRACK-TBI cohort: a prospective multicentre study. *Lancet Neurol*. 2019 Aug 23 PMID: 31451409