

STAR PUBLICATIONS - 2014

(FY 14 publications = 106)

1. Anderson D, Silberholz J, Golden M, Harrington M, Hirshon JM. An Empirical Analysis of the Effect of Residents on Emergency Department Treatment Times. *IIE Transactions on Healthcare Systems Engineering* 3(3):171-180 Jul 2013
2. Andrews P, Shiber J, Jaruga-Killeen E, Roy S, Sadowitz B, O'Toole R, Gatto L, Nieman G, Scalea T, Habashi N. Early Application of Airway Pressure Release Ventilation May Reduce Mortality in High Risk Trauma Patients - A Systematic Review of Observational Trauma ARDS Literature. *J Trauma* 2013; In Press; manuscript # JT-D-12-01221R4.
3. Brown KM, Alcorta R, Weik TS, Lawner D, Ho S, Wright JL, Hirshon JM. The implementation and evaluation of an evidence-based statewide prehospital pain management protocol developed using the National Evidence-based Guideline Model Process for Emergency Medical Services. *Prehosp Emerg Care* 2014;18 Suppl 1:45-51.
4. Bowyer, MW, Kuhls, DA, Haskin, D, Sallee, RA, Henry, SM, Garcia, GD, Luchette, FA. Advanced surgical skills for exposure in trauma (ASSET): the first 25 courses (Original Research Article). Journal of Surgical Research, Volume 183, Issue 2, August 2013, Pages 553-558.
5. Bowyer, MW, Kuhls, DA, Haskin, D, Sallee, RA, Henry, SM, Garcia, GD, Luchette, FA. The Advanced Surgical Skills for Exposures in Trauma (ASSET) Courses Results of The Initial Twenty Five Courses. Journal of Surgical Research, Volume 179, Issue 2, February 2013, Page 345.
6. Boswell K, Menaker J. An update on spinal cord injury: Epidemiology, diagnosis and treatment for the emergency physician. *Trauma Reports* Jan/Feb 2013;14(1):1-12.
7. Clerc P, Young CA, Bordt EA, Grigore AM, Fiskum G, Polster BM. Magnesium sulfate protects against the bioenergetic consequences of chronic glutamate receptor stimulation. *PLoS One* 8:e79982. doi: 10.1371 (2013) (PMID: 24236167)
8. Colton K, Dinardo T, Hu PF, Xiong W, Hu EZ, Reed G, DuBose JJ, Stansbury LG, Mackenzie CF, Chiu WC, Miller C, Fang R, Stein DM, Scalea TM; *ONPOINT Study Group*. Full of sound and fury, signifying nothing: Burden of transient noncritical monitor alarms in a trauma resuscitation unit. *J Trauma Nurs.* 2013 Oct-Dec;20(4):184-8.
9. Calvello E, Reynolds T, Hirshon JM, Buckle C, Moresky R, O'Neill J, Wallis LA. Emergency care in sub-Saharan Africa: Results of a consensus conference. *African Journal of Emergency Medicine* 2013 3, 42-48. Available at: <http://www.elsevier.com/journals/african-journal-of-emergency-medicine/2211-419X/recent-articles>.
10. Colton K, Dinardo T, Hu PF, Xiong W, Hu EZ, Reed G, DuBose JJ, Stansbury LG, Mackenzie CF, Chiu WC, Miller C, Fang R, Stein DM, Scalea TM; ONPOINT Study Group. Full of Sound and Fury, Signifying Nothing: Burden of Transient Noncritical Monitor Alarms in a Trauma Resuscitation Unit. *Journal of Trauma Nursing*. October-December, 2013; 20 (4): 184-188.

11. Dischinger PC, Ryb GE, Kufera JA, and Ho MS. Declining statewide trends in motor vehicle crashes and injury-related hospital admissions. *Ann Adv Automot Med.* 2013; 57: 247-257.
12. Deshpande SP, Grigore AM. Robotic Surgery is the Preferred Technique for CABG Surgery. *Journal of Cardiothoracic and Vascular Anesthesia.* 2013;27(4):602-605.
13. Diamantidis CJ, Fink W, Yang S, Zuckerman M, Ginsberg J, Hu P, Xiao Y, Fink J. Directed use of the Internet for health information by patients with chronic kidney disease (CKD): results from Safe Kidney Care. *J Med Internet Res.* 2013 Nov 15;15(11) PMID: 24240617
14. Fitzpatrick M, Alexander HR, Deshpande SP, McCormick B, Martz DG, Jr, Grigore, AM. Use of Partial Veno-Venous Cardiopulmonary Bypass in Percutaneous Hepatic Perfusion for Patients with Diffuse, Isolated Liver Metastases: A Case Series *Journal of Cardiothoracic and Vascular Anesthesia.* *J Cardiothorac Vasc Anesth.* (In press)
15. Galvagno SM. Comparative effectiveness of helicopter emergency medical services compared to ground emergency medical services. *Critical Care* 2013; 17: 169.
16. Galvagno SM, Hong CM, Lissauer ME, Baker AK, Murthi SB, Herr DL, Stein DM. Practical considerations for the dosing and adjustment of continuous renal replacement therapy in the intensive care unit. *J Crit Care* 2013 Jul 24 [Epub ahead of print], DOI: pii.S0883-9441(13)00143-3.
17. Hanley D, Chabot R, Mould WA, Morgan T, Naunheim R, Sheth KN, Chiang W, Prichep LS. Use of brain electrical activity for the identification of hematomas in mild traumatic brain injury. *J Neurotrauma*, Epub ahead of print, 2013.
18. Hirshon JM, Risko N, Calvello EJ, Stewart de Ramirez S, Narayan M, Theodosis C, O'Neill J; Acute Care Research Collaborative at the University of Maryland Global Health Initiative. Health systems and services: the role of acute care. *Bull World Health Organ.* 2013 May 1;91(5):386-8. Epub 2013 Jan 31.
19. Hirshon JM, Comer AC, Rosenberg JH, Johnson JK, Moore SL, MacKenzie TD, Hall KK, Furuno JP. Methodological Challenges Associated with Developing and Implementing Antibiograms in Nursing Homes in *Advances in the Prevention and Control of Healthcare-Associated Infections (HAI)* series by AHRQ (In press)
20. Hirshon JM, Hansoti B, Hauswald M, Sethuraman K, Kerr N, Scordino D, Biros M. Ethics in Acute Care Research: A Global Perspective and Research Agenda. *Acad Emerg Med* 2013 Dec;20(12):1251-8.
21. Hargarten S, Martin IBK, Hauswald M, Hirshon JM. Global Health and Emergency Care: What do we need to know to address the burden of illness and injury? *Acad Emerg Med* 2013 Dec;20(12):1213-5
22. Hwang DY, Matouk CC, Sheth KN. Management of malignant middle cerebral artery syndrome. *Semin Neurol.* 33(5): 448-55, 2013.
23. Hess JR, Lelkens C, Holcomb JB, Scalea TM. Advances in military, field, and austere transfusion medicine in the last decade. *Transfusion and Apheresis Science.* 49:380-386, 2013.
24. Hu P, Galvagno SM, Sen A, Dutton RP, Handley C, Shckelford S, Pasley JD, Mackenzie CF. Identification of dynamic pre-hospital changes with continuous vital signs acquisition. *Air Med J.* 2014 Jan-Feb;33(1):27-33. PMID: 24373474

25. Jain A, Menaker J. Ultrasound for Trauma. *Trauma Reports*. May/June 2013;14(3):1-13.
26. Kumar A, Stoica BA, Sabirzhanov B, Burns MP, FADEN AI, Loane DJ. Traumatic brain injury in aged animals increases lesion size and chronically alters microglial/macrophage classical and alternative activation states. *Neurobiol Aging*. 2013 May;34(5):1397-411. doi: 10.1016/j.neurobiolaging.2012.11.013. Epub 2012 Dec 27.
27. Kristian T, Hu B. Guidelines for using mouse global cerebral ischemia models. *Transl Stroke Res*. 2013 Jun;4(3):343-50. doi: 10.1007/s12975-012-0236-z. Epub 2012 Dec 14. PMID: 24323301 [PubMed - in process]
28. Kalakonda, .S, Nallar, S.C., Jaber, S., Keay, S.K., Rorke, E., Munivenkatappa, R., Lindner, D.J., Fiskum, G.M., Kalvakolanu, D.V., Monoallelic loss of tumor suppressor GRIM-19 promotes tumorigenesis in mice. *Proc Natl Acad Sci U S A*. 110:E4213-4222 (2013) (PMID: 4145455)
29. Kragh JF, San Antonio J, Simmons JW, Mace JE, Stinner DJ, White CE, Fang R, Aden JK, Hsu JR, Eastridge BJ, Jenkins DH, Ritchie JD, Hardin MO, Ritenour AE, Wade CE, Blackbourne LH. Compartment syndrome performance improvement project is associated with increased combat casualty survival. *J Trauma Acute Care Surg*. 2013 Jan;74(1):259-263.
30. Lee HJ, Wu J, Chung J, Wrathall JR (2013). SOX2 expression is up-regulated in adult spinal cord after contusion injury in both glial progenitors and ependymal stem cells. *Journal of Neuroscience Research*, 91(2):196-210. PMID:23169458.
31. Luo T, Wu J *(co-first author), Kabadi SV, Sabirzhanov B, Guanciale K, Hanscom M, Faden J, Cardiff K, Bengson CJ, Faden AI (2013). Propofol Limits Microglial Activation after Experimental Brain Trauma through Inhibition of Nicotinamide Adenine Dinucleotide Phosphate Oxidase. *Anesthesiology*, 119(6):1370- 88. PMID: 24121215.
32. Mackenzie, C.F., Yulei Wang, Peter F. Hu, Shih-Yu Chen,, Hegang H Chen, George Hagegeorge, Lynn G Stansbury, Stacy Shackelford, and the ONPOINT Study Group. Automated prediction of early blood transfusion in trauma patients. *J Trauma Acute Care Surg*. 2014 Jun;76(6):1379-85
33. McAninch J, Greene C, Sorkin JD, Lavoie MC, Smith GS. Higher psychological distress is associated with unintentional injuries in US adults. *Inj Prev*. 2013 Oct 30;
34. Mirvis SE, Chiu WC. MDCT Diagnosis of Post-Traumatic Hepatic Arterio-portal Fistulas. *Emergency Radiology*. June, 2013; 20 (3) 225-233.
35. Markandaya M, DuBose J, Fang R, Scalea T, Eastridge B, Cancio L, Blackbourne L. Combat-related traumatic brain injury: A prospective study of demographics and risk for early mortality. *Military Medicine*. In Press, 2012.
36. Mok JM, Jackson KL, Fang, R, Freedman BA. Effect of vacuum spine board immobilization on incidence of pressure ulcers during evacuation of military casualties from theater. *Spine J*. 2013 Dec;13(12):1801-8.
37. MacDonald C, Johnson A, Cooper D, Malone T, Sorrell J, Shimony J, Parsons M, Snyder A, Raichle M, Fang R, Flaherty S, Russell M, Brody D. Cerebellar white matter abnormalities following primary blast injury in US military personnel. *PLoS ONE*. 2013 Feb;8(2):e55823(1-8).

38. Menaker J, Kufera, JA, Glaser J, Stein DM, Scalea TM. Admission ASIA Motor Score Predicting The Need For Tracheostomy After Cervical Spinal Cord Injury. *J Trauma Acute Care Surg* (Accepted)
39. Millin MG, Galvagno SM, Khandker SR, Malki A, Bulger EM. Withholding and termination of resuscitation of adult cardiopulmonary arrest secondary to trauma - resource document to the joint NAEMSP, ACS-COT position statements. *J Trauma Acute Care Surg* 2013; 75(3): 459-467.
40. Nguyen CT, Saksobhavivat N, Shanmuganathan K, Steenburg SD, Moeslein FM, Inaba K, Menaker J, Branco BC, Gooch J, Okoye OT, Herrold J, Scalea TM, DuBose, J, Demetriades D. A prospective multicenter comparison of levetiracetam versus phenytoin for early posttraumatic seizure prophylaxis. *Journal of Trauma*. 74:766-773, 2013.
41. Owens K, Park JH, Schuh R, Kristian T. Mitochondrial dysfunction and NAD(+) metabolism alterations in the pathophysiology of acute brain injury. *Transl Stroke Res*. 2013 Dec;4(6):618-34. doi: 10.1007/s12975-013-0278-x. Epub 2013 Aug 10. PMID: 24323416 [PubMed - in process]
42. O'Connor JV, Chi A, Joshi M, DuBose J, Scalea TM. Post-traumatic empyema: Aetiology, surgery and outcome in 125 consecutive patients. *Injury*. 44:1153-1158, 2013.
43. Odonkor P, Grigore A. Ischemic heart disease *Med Clin N AM*. 2013; 97(6).
44. Park H, Kent J, Joshi M, Zhu S, Bochicchio GV, Henry S, Scalea T. Percutaneous versus open tracheostomy: comparison of procedures and surgical site infections. *Surgical Infections*. 14:21-23, 2013.
45. Piao CS, Stoica BA, Wu J, Sabirzhanov B, Zhao Z, Cabatbat R, Loane DJ, Faden AI (2013). Late exercise reduces neuroinflammation and cognitive dysfunction after traumatic brain injury. *Neurobiology of Disease*, 54:252-263. PMID: 23313314. doi: 10.1016/j.nbd.2012.12.017
46. Robertson, C.L., Saraswati, M., Scafidi, S., Fiskum, G., Casey, P., and McKenna, M.C., Glucose metabolism in an immature rat model of pediatric traumatic brain injury. *J Neurotrauma* 30:2066-2072 (2013) (PMID: 24032394)
47. Ryb G, Dischinger P, Kerns T, Burch C, Rabin J, and Ho S. Changes in the severity and injury sources of thoracic aorta injuries due to vehicular crashes. *Ann Adv Automot Med* 2013; 57: 167-173.
48. Sabirzhanov, B., Zhao, Z., Stoica, BA., Loane D.J., Wu, J., Borroto, C., Dorsey, S., and Faden, A.I. Down-regulation of miR-23a and miR-27a following experimental traumatic brain injury induces neuronal cell death through activation of pro-apoptotic Bcl-2 proteins. *Journal of Neuroscience* (in press).
49. Silberholz J, Anderson D, Golden B, Harrington, M, Hirshon JM. The Impact of the Residency Teaching Model on the Efficiency of the Emergency Department at an Academic Center. *Socio-Economic Planning Sciences*. 47(3):183-189. Sep 2013
50. Sheth KN, Kimberly WT, Elm JJ, Kent TA, Mandava P, Yoo AJ, Thomalla G, Campbell B, Donnan G, Davis SM, Albers GW, Jacobson S, Simard JM, Stern BJ. A pilot study of intravenous glyburide in patients with a large ischemic stroke. *Stroke*, Epub ahead of print, 2013.

51. Simard JM, Sheth KN, Kimberly WT, Stern BJ, del Zoppo GJ, Jacobson S, Gerzanich V. Glibenclamide in cerebral ischemia and stroke. *Neurocrit Care*, Epub ahead of print, 2013.
52. Stacy A Shackelford, MD, Katharine Colton, BS, Lynn G Stansbury, MD, MPH, Samuel M Galvagno Jr., DO, PhD, Amechi Anazodo, MD, Joseph J DuBose, MD; John R. Early Identification of uncontrolled hemorrhage after trauma: current status and future direction. *J Trauma Acute Care Surg*. 2014 Apr 24. [Epub ahead of print]
53. Taylor JA, Lacovara AV, Smith GS, Pandian R, Lehto M. Near-miss narratives from the fire service: a Bayesian analysis. *Accid Anal Prev*. 2014 Jan;62:119-29.
54. Tisherman SA, Alam HB, Chiu WC, Emlet LL, Grossman MD, Luchette FA, Marcolini EG, Mayglothling JA. Surgical Critical Care Training for Emergency Physicians: Curriculum Recommendations. *Journal of the American College of Surgeons*. November, 2013; 217 (5): 954-959.e3.
55. Wu J, Renn CL, Faden AI, Dorsey SG. TrkB.T1 contributes to neuropathic pain following spinal cord injury through regulation of cell cycle pathways. *Journal of Neuroscience*, 24 July 2013, 33(30):12447-12463; doi:10.1523/JNEUROSCI.0846-13.2013
56. Wu J, Raver C, Piao C, Keller A, Faden AI. Cell Cycle Activation Contributes to Increased Neuronal Activity in the Posterior Thalamic Nucleus and Associated Chronic Hyperesthesia after Rat Spinal Cord Contusion. *Neurotherapeutics*. 2013 Jul;10(3):520-38. doi: 10.1007/s13311-013-0198-1.
57. Wu, J., Stoica, BA., Luo, T., Sabirzhanova, B., Zhao, Z., Guanciale, K., Nayar, S,K, Foss, C.A., Pomper, M.G., Faden, A.I. Isolated spinal cord contusion in rats induces chronic brain neuroinflammation, neurodegeneration and cognitive impairment: involvement of cell cycle activation. *Journal of Neuroscience* (in press).
58. Walcott BP, Kamel H, Castro B, Kimberly WT, Sheth KN. Tracheostomy following severe ischemic stroke: a population based study. *J Stroke Cerebrovasc Dis*, Epub ahead of print, 2013.
59. Walcott BP, Miller JC, Kwon CS, Sheth SA, Hiller M, Cronin CA, Schwamm LH, Simard JM, Kahle KT, Kimberly WT, Sheth KN. Outcomes in Severe Middle Cerebral Artery Stroke. *Neurocrit Care*. Epub ahead of print, 2013.
60. Xu Y., Yuan J. and Lipinski M. M.* (2013) Live imaging and single cell analysis reveal differential dynamics of autophagy and apoptosis. *Autophagy*, 9:1418-30
61. Yeatts DJ, Dutton RP, Hu PF, Chang Y, Brown CH, Chen H, Grissom TE, Kufera JA, Scalea TM. Effect of video laryngoscopy on trauma patient survival: A randomized controlled trial. *J Trauma Acute Care Surg*. 75:212-219, 2013.
62. Zhao, Z., Faden, A., Loane, D., Lipinski, M., Sabirzhanov, B. and Stoica, B. (2013) Neuroprotective effects of geranylgeranylacetone in experimental traumatic brain injury. *J Cereb Blood Flow Metab*, 33:1897-908
63. Afshar M, Smith GS, Terrin ML, Barret M, Lissauer ME, Mansoor S, Jeudy J, Netzer G. "Blood Alcohol Content, Injury Severity and Acute Respiratory Distress Syndrome" *J of Trauma* 2014 accepted

64. Albrecht JS, Gruber-Baldini AL, Hirshon JM, Brown CH, Goldberg R, Rosenberg JH, Comer AC, Furuno JP. Depressive Symptoms and Hospital Readmission in Older Adults. *J Am Geriatr Soc*. 2014 Mar;62(3):495-9.
65. Anders MG, Bansal V, Rock P. Provider Knowledge And Comfort Regarding Emergency Airway Management For Patients With Surgically Altered Airways. *Am J Respir Crit Care Med* 189;2014:A2811.
66. Afshar M, Smith GS, Terrin ML, Lissauer ME, Anders MG, Netzer G. Trauma Indices And Patient Characteristics To Predict Acute Respiratory Distress Syndrome In Trauma Patients. *Am J Respir Crit Care Med* 189;2014:A3071
67. Arch AE, Sheth KN. Malignant cerebral edema after larger anterior circulation infarction: a review. Malignant cerebral edema after large anterior circulation infarction: a review. *Curr Treat Options Cardiovasc Med*. 16(1): 275, 2014.
68. Aungst, S., Kabadi, S.V., Thompson, S., Stoica, B., and Faden, AI. Repeated Mild Traumatic Brain Injury Causes Chronic Neuroinflammation, Changes in Hippocampal Synaptic Plasticity, and Associated Cognitive Deficits. *Journal of Cerebral Blood Flow & Metabolism* 2014 April [Epub ahead of print]
69. Burch C, Cook L, Dischinger, P. A comparison of KABCO and AIS severity metrics using CODES linked data. *Traf Inj Prev*. 2014; 15:1-4.
70. Clerc, P. Ge, S.X., Hwang, H., Waddell, J., Roelofs, B.A., Karbowski, M., Sesaki, H., and Polster, B.M. (2014) Drp1 is dispensable for apoptotic cytochrome c release in primed MCF10A and fibroblast cells but affects Bcl-2 antagonist-induced respiratory changes. *Br J Pharmacol* 171:1988-1999 (Invited contribution to a special issue entitled "Mitochondrial Pharmacology - Energy, Injury & Beyond")
71. Colton, K., S Yang, PF Hu, HH Chen, B Bonds, TM Scalea, DM Stein. Intracranial pressure response after pharmacologic treatment of intracranial hypertension. *J Trauma Acute Care Surg* (Accepted Feb,7, 2014)
72. Colton, K., T Dinardo, PF Hu, W Xiong, EZ Hu; G Reeds, JJ DuBose, LG Stansbury, CF Mackenzie, W Chiu, C Miller, R Fang, DM Stein, TM Scalea and the ONPOINT Study Group. Full Of Sound and Fury, Signifying Nothing:" The Burden of Transient Non-Critical Monitor Alarms In A Trauma Resuscitation Unit. *J Trauma Nurs*. 20; 184-188, Oct – Nov 2013
73. Furuno JP, Comer AC, Johnson JK, Rosenberg JH, Moore SL, MacKenzie TD, Hall KK, Hirshon JM. Using Antibiograms to Improve Antibiotic Prescribing in Skilled Nursing Facilities. *Infect Control Hosp Epidemiol*. (in press)
74. Grissom T, Sappenfield J, Galvagno S, Cherry S, Chang C, Hu, P. Performance Assessment in Airway Management Training for Nonanesthesiology Trainees: An Analysis of 4,282 Airway Procedures Performed at a Level 1 Trauma Center. *J of Anesthesiology*. 2014 Jan;120(1):185-95. PMID: 24201030
75. Galvagno SM, Dubose JJ, Grissom TE, Fang R, Smith R, Bebarta VS, Shackelford S, Scalea TM. The epidemiology of critical care air transport teams in contemporary warfare. *Military Medicine*, 2014; Accepted for publication on 3 January 2014.
76. Hirshon JM, Alson RL, Blunk D, Brosnan DP, Epstein SK, Gardner AF, Lum DL, Moskovitz JB, Richardson LD, Stankus JL, Kivela PD, Wilkerson D, Price C, Bromley M, Calaway N, Geist M, Gore L, Singh C, Wheeler G. America's

- Emergency Care Environment, A State-by-State Report Card: 2014 Edition. *Ann Emerg Med.* 2014 Feb;63(2):100-243.
77. Hu P, Galvagno SM, Sen A, Dutton RP, Handley C, Shackelford S, Pasley JD, Mackenzie CF, and the ONPOINT Study Group. Identification of dynamic pre-hospital changes with continuous vital signs acquisition. *Air Med J* 2014; 33(1): 27-33.
 78. Han K, MacDonald CL, Johnson AM, Barnes Y, Wierzechowski L, Zonies D, Oh J, Flaherty S, Fang R, Raichle ME, Brody DL. Disrupted modular organization of resting-state cortical functional connectivity in U.S. military personnel following concussive 'mild' blast-related traumatic brain injury. *Neuroimage.* 2014 Jan;84(1):76-96.
 79. Kabadi SV, Stoica BA, Loane DJ, Luo T, Faden AI. Cell cycle inhibition limits microglial activation, astrocytosis, neuronal loss and neurological dysfunction after experimental traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism.* (in press).
 80. Kabadi, S.V., Faden, A.I. Review: Neuroprotective Strategies for Traumatic Brain Injury: Improving Clinical Translation. *International Journal of Molecular Sciences.* (in press).
 81. Knudson MM, Evans TW, Fang R, Martin KD, Dorlac WC, Gillespie DL, Cherry KJ, Rasmussen TE; American Association for the Surgery of Trauma, Military Liaison Committee; Society for Vascular Surgery; American College of Surgeon, Committee on Trauma. A concluding after-action report of the Senior Visiting Surgeon Program with the United States Military at Landstuhl Regional Medical Center, Germany. *J Trauma Acute Care Surg.* 2014 Mar;76(3):878-83.
 82. Loane DJ, Kumar A, Stoica BA, Cabatbat R, Faden AI. Progressive neurodegeneration after experimental brain trauma; association with chronic microglial activation. *Journal of Neuropathology and Experimental Neurology.* (in press).
 83. Liu, S., Sarkar, C., Koh, E.Y., Lipinski, M.M.* and Wu, J. Disrupted autophagy after spinal cord injury is associated with lysosomal dysfunction and neuronal cell death. – in preparation
 84. Lissauer ME, Galvagno SM, Rock P, Narayan M, Shah P, Spencer H, Hong C, Diaz JJ. Increased intensive care unit resource needs for an academic emergency general surgery service. *Crit Care Med.* Dec 11 2013 [Epub ahead of print].
 85. MacDonald CL, Johnson AM, Wierzechowski L, Kassner E, Stewart T, Nelson EC, Werner NJ, Zonies D, Oh JS, Fang R, Brody DL. Prospectively assessed clinical outcomes in concussive blast vs. non-blast traumatic brain injury in evacuated US military personnel. *JAMA Neurol.* Forthcoming 2014.
 86. MacDonald CL, Johnson AM, Nelson EC, Werner NJ, Fang R, Flaherty SF, Brody DL. Functional status following blast-plus-impact complex concussive traumatic brain injury in evacuated United States military personnel. *J Neurotrauma.* Forthcoming 2014.
 87. Mackenzie, C., Wang, Y., Hu, PF, Chen, SY., Hagegeorge, G., Stansbury, LY, Shackelford, S. ONPOINT Study Group. Automated prediction of early blood transfusion in trauma patients. *J Trauma Acute Care Surg* JT-D-13-02260R1 (Accepted Jan, 17, 2014)

88. Mackenzie CF, Pitman A, Hodgson RE, Sussman, MJ, Levien LJ, Jahr, JS, Greenburg AG, Are Hemoglobin-based Oxygen Carriers Being Withheld Because of Regulatory Requirement for Equivalence to Packed Red Blood Cells? *Am J Therapeutics* IN Press
89. Pajooohesh-Ganji A., Burns MP, Pal-Ghosh S, Tadvalkar G, Hokenbury NG, Ann Stepp M, Faden AI. Inhibition of amyloid precursor protein secretases reduces recovery after spinal cord injury. *Brain Res.* 2014 Mar 11. pii: S0006-8993(14)00326-6. doi: 10.1016/j.brainres.2014.02.049. [Epub ahead of print]
90. Prabhakaran S, Jovin TG, Tayal AH, Hussain MS, Nguyen TN, Sheth KN, Terry JB, Nogueira RG, Horev A, Gandhi D, Wisco D, Glenn BA, Ludwig B, Clemons PF, Cronin CA, Tian M, Liebeskind D, Zaidat OO, Castonguay AC, Martin C, Mueller-Kronast N, English JD, Linfante I, Malisch TW, Gupta R. Poststroke Treatment Variables Improve Outcome Prediction after Intra-Arterial Therapy for Acute Ischemic Stroke. *Cerebrovasc Dis.* 37(5): 356-63, 2014.
91. Py, B.F., Desai, B.N., Jin, M., Penumaka, A., Zhu, H., Kober, M., Dietrich, A., Lipinski, M.M., Henry, T., Clapham, D.E. and Yuan, J. (2014) Caspase-11 controls interleukin-1 β release through degradation of TRPC1. *Cell Reports*, accepted
92. Proctor, J.L., Journey, W.L., Leiste, U.H., and Fiskum, G., Rat model of brain injury caused by under-vehicle blast-induced hyperacceleration. *J. Trauma Acute Care Surgery* (2014, in press)
93. Risko N, Anderson D, Golden B, Wasil E, Barrueto F, Pimentel L, Hirshon JM. The Impact of Electronic Health Record Implementation on Emergency Physician Efficiency and Patient Throughput Health Care: The Journal of Delivery Science and Innovation. *Health Care: The Journal of Delivery Science and Innovation*. (in press)
94. Ryb GE, Dischsinger P, Auman KM, Kufera JA, Cooper C, Mackenzie C, and Kane RL. S-100B doesn't predict outcome after mild traumatic brain injury. *Brain Injury* (in press).
95. Stewart IJ, Fang R, Cannon JW, Zonies DH, Morrow BD, Orman JA, Oliver JD, Abbott KC, Jones JA, Chung KK. Derivation of candidates for the Combat Casualty Critical Care (C4) Database. *Mil Med.* 2014 Apr;179(4):370-4.
96. Sheth KN, Taylor Kimberly W, Elm JJ, Kent TA, Yoo AJ, Thomalla G, Campbell B, Donnan GA, Davis SM, Albers GW, Jacobson S, Del Zoppo G, Marc Simard J, Stern BJ, Mandava P. Exploratory Analysis of Glyburide as a Novel Therapy for Preventing Brain Swelling. *Neurocrit Care*, Epub ahead of print
97. Sarkar, C., Zhao, Z., Aungst, S., Sabirzhanov, B., Faden, A.I. and Lipinski, M.M.* (2014) Impaired autophagy due to lysosomal dysfunction may contribute to neuronal cell death after TBI. - in revision (*Autophagy*)
98. Stoica BA, Loane DJ, Zhao Z, Kabadi SV, Hanscom M, Byrnes KR, Faden AI. PARP-1 inhibition attenuates neuronal loss, microglia activation and neurological deficits after traumatic brain injury. *Journal of Neurotrauma*. 2014 Apr 15;31(8):758-72. doi: 10.1089/neu.2013.3194. Epub 2014 Jan 29.
99. Sun, X., Rai, R., Deschamps, J.R., MacKerell, A.D., Faden, A.I, Xue, F. Boc-protected 1-(3-oxocycloalkyl)ureas via a one-step Curtius rearrangement: mechanism and scope. *Tetrahedron Letters*. (in press).

100. Sun, X. C., Raia, R., MacKerell, A. D., Faden, A.I, Xue, F. Facile one-step synthesis of 2,5-diketopiperazines. *Tetrahedron Letters*, (in press). 2014.
101. Shackelford S, Colton K, Hess JR, Anazodo A, Dubose JJ, Stansbury L, Galvagno SM, Mackenzie CF. Early identification of uncontrolled hemorrhage after trauma: current status and future direction. *J Trauma Acute Care Surg* 2014; Accepted for publication on 26 December 2013.
102. Verster JC, Alford C, Bervoets AC, de Clerk S, Grange JA, Hogewoning A, Jones K, Kruisselbrink DL, Owen L, Piasecki TM, Raasveld SJ, Royle S, Slutsker WS, Smith GS, Stephens R, Hangover Research Group TA. Hangover Research Needs: Proceedings of the 5th Alcohol Hangover Research Group Meeting. *Curr Drug Abuse Rev*. 2014. [Epub ahead of print]
103. Wijdicks EFM, Sheth KN*, Carter BS, Greer DM, Kasner SE, Kimberly WT, Schwab S, Smith EE, Tamargo RJ, Wintermark M; on behalf of the American Heart Association Stroke Council. Recommendations for the management of cerebral and cerebellar infarction with swelling: a statement for healthcare professionals from the American Heart Association/American Stroke Association. *Stroke*, Epub ahead of print (Co-Chair) 2014.
104. Wu, J., Stoica, BA., Luo, T., Sabirzhanova, B., Zhao, Z., Guanciale, K., Nayar, S.K., Foss, C.A., Pomper, M.G., Faden, A.I. Isolated spinal cord contusion in rats induces chronic brain neuroinflammation, neurodegeneration and cognitive impairment: involvement of cell cycle activation. *Cell Cycle*. 2014 Jun 25;13(15). [Epub ahead of print]
105. Zhu M, Cummings P, Zhao S, Coben JH, Smith GS. The association of graduated driver licensing with miles driven and fatal crash rates per miles driven among adolescents. *Inj Prev*. 2014 Feb 13;
106. Zarour A, El-Menyar A, Khattabi M, Tayyem R, Hamed O, Mahmood I, Abdelrahman H, Chiu W, Al-Thani H. A Novel Practical Scoring for Early Diagnosis of Traumatic Bowel Injury Without Obvious Solid Organ Injury in Hemodynamically Stable Patients. *International Journal of Surgery*. January, 2014; 12 (4): 340-345.