

PUBLICATIONS:

Lindell RB, Gertz SJ, Rowan CM, McArthur J, Beske F, Plunkett A, Weiss SL, Thomas NJ, Nadkarni VM, Fitzgerald JC; Sepsis Prevalence, Outcomes, and Therapies Study Investigators and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. High Levels of Morbidity and Mortality Among Pediatric Hematopoietic Cell Transplant Recipients With Severe Sepsis: Insights From the Sepsis Prevalence, Outcomes, and Therapies International Point Prevalence Study. *Pediatr Crit Care Med*. 2017 Sep 16.

Miller Ferguson N, Sarnaik A, Miles D, Shafi N, Peters MJ, Truemper E, Vavilala MS, Bell MJ, Wisniewski SR, Luther JF, Hartman AL, Kochanek PM; Investigators of the Approaches and Decisions in Acute Pediatric Traumatic Brain Injury (ADAPT) Trial. Abusive Head Trauma and Mortality-An Analysis From an International Comparative Effectiveness Study of Children With Severe Traumatic Brain Injury. *Crit Care Med*. 2017 Aug;45(8):1398-1407.

Camazine MN, Karam O, Colvin R, Leteurtre S, Demaret P, Tucci M, Muszynski JA, Stanworth S, Spinella PC; PlasmaTV Investigators. Outcomes Related to the Use of Frozen Plasma or Pooled Solvent/Detergent-Treated Plasma in Critically Ill Children. *Pediatr Crit Care Med*. 2017 May;18(5):e215-e223

Wong HR, Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald JC, Checchia PA, Meyer K, Quasney M, Hall M, Gedeit R, Freishtat RJ, Nowak J, Raj SS, Gertz S, Grunwell JR, Lindsell CJ. Improved Risk Stratification in Pediatric Septic Shock Using Both Protein and mRNA Biomarkers: PERSEVERE-XP. *Am J Respir Crit Care Med*. 2017 Mar 21

Rowan CM, Smith LS, Loomis A, McArthur J, Gertz SJ, Fitzgerald JC, Nitu ME, Moser EA, Hsing DD, Duncan CN, Mahadeo KM, Moffet J, Hall MW, Pinos EL, Tamburro RF, Cheifetz IM; Investigators of the Pediatric Acute Lung Injury and Sepsis Network.. Pediatric Acute Respiratory Distress Syndrome in Pediatric Allogeneic Hematopoietic Stem Cell Transplants-A Multicenter Study. *Pediatr Crit Care Med*. 2017 Apr;18(4):304-309

Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald J, Checchia PA, Meyer K, Quasney M, Gedeit R, Freishtat RJ, Nowak J, Raj SS, Gertz S, Grunwell JR, Opoka A, Wong HR. Glucocorticoid Receptor Polymorphisms and Outcomes in Pediatric Septic Shock. *Pediatr Crit Care Med*. 2017 Apr;18(4):299-303

Karam O, Demaret P, Duhamel A, Shefler A, Spinella PC, Tucci M, Leteurtre S, Stanworth SJ; PlasmaTV investigators.. Factors influencing plasma transfusion practices in paediatric intensive care units around the world. *Vox Sang*. 2017 Feb

Lin JC, Spinella PC, Fitzgerald JC, Tucci M, Bush JL, Nadkarni VM, Thomas NJ, Weiss SL; Sepsis Prevalence, Outcomes, and Therapy Study Investigators. New or Progressive Multiple Organ Dysfunction Syndrome in Pediatric Severe Sepsis: A Sepsis Phenotype With Higher Morbidity and Mortality. *Pediatr Crit Care Med*. 2017 Jan;18(1):8-16

Murphy S, Thomas NJ, Gertz S, Beca J, Luther JF, Bell MJ, Wisniewski SR, Hartman A, Tasker R. Tripartite Stratification of the Glasgow Coma Scale in Children with Severe Traumatic Brain Injury and Mortality: An Analysis from a Multicenter, Comparative Effectiveness Study. *J Neurotrauma*. 2017 Feb 27

Willson DF, Hoot M, Khemani R, Carrol C, Kirby A, Schwarz A, Gedeit R, Nett ST, Erickson S, Flori H, Hays S, Hall M; Ventilator-Associated INfection (VAIN) Investigators and the Pediatric Acute Lung Injury and Sepsis Investigator's (PALISI) Network. Pediatric Ventilator-Associated Infections: The Ventilator-Associated INfection Study. *Pediatr Crit Care Med*. 2017 Jan;18(1):e24-e34

Karam O, Demaret P, Duhamel A, Shefler A, Spinella PC, Stanworth SJ, Tucci M, Leteurtre S; PlasmaTV investigators. Performance of the PEdiatric Logistic Organ Dysfunction-2 score in critically ill children requiring plasma transfusions. *Ann Intensive Care*. 2016 Dec;6(1):98

Fitzgerald JC, Basu R, Akcan-Arikan A, Izquierdo LM, Pineres Olave BE, Hassinger AB, Szczepanski M, Deep A, Williams D, Sapru A, Roy JA, Nadkarni VM, Thomas NJ, Weiss SL, Furth S for the SPROUT Study Investigators and Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. Acute kidney injury in pediatric severe sepsis, an independent risk for death and new disability. *Crit Care Med* 2016 Dec;44(12):2241-2250.

Wong HR, Atkinson SJ, Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald JC, Checchia PA, Meyer K, Quasney M, Hall M, Gedeit R, Freishtat RJ, Nowak J, Raj SS, Gertz S, Lindsell CJ. Combining Prognostic and Predictive Enrichment Strategies to Identify Children With Septic Shock Responsive to Corticosteroids. *Crit Care Med*. 2016 Oct;44(10)

Wong HR, Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald J, Checchia PA, Meyer K, Quasney M, Hall M, Gedeit R, Freishtat RJ, Nowak J, Raj SS, Gertz S, Howard K, Harmon K, Lahni P, Frank E, Hart KW, Nguyen TC, Lindsell CJ. Pediatric Sepsis Biomarker Risk Model-II: Redefining the Pediatric Sepsis Biomarker Risk Model With Septic Shock Phenotype. *Crit Care Med*. 2016 Aug 4.

Kurz JE, Poloyac SM, Abend NS, Fabio A, Bell MJ, Wainwright MS; Investigators for the Approaches and Decisions in Acute Pediatric TBI Trial. Variation in Anticonvulsant Selection and Electroencephalographic Monitoring Following Severe Traumatic Brain Injury in Children-Understanding Resource Availability in Sites Participating in a Comparative Effectiveness Study. *Pediatr Crit Care Med*. 2016 Jul;17(7):649-657.

Wong HR, Atkinson SJ, Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald JC, Checchia PA, Meyer K, Quasney M, Hall M, Gedeit R, Freishtat RJ, Nowak J, Raj SS, Gertz S, Lindsell CJ. Combining Prognostic and Predictive Enrichment Strategies to Identify Children With Septic Shock Responsive to Corticosteroids. *Crit Care Med*. 2016 May 31.

Tylka JC, McCrory MC, Gertz SJ, Custer JW, Spaeder MC. Immunocompromised Children with Severe Adenoviral Respiratory Infection. *Critical Care Research and Practice* Volume 2016, Article ID 9458230, 8 pages <http://dx.doi.org/10.1155/2016/9458230>

Giuliano JS, Jr, Markovitz BP, Brierley J, Levin R, Williams G, Lum LC, Dorofaeff T, Cruces P, Bush JL, Keele L, Nadkarni VM, Thomas NJ, Fitzgerald JC, Weiss SL for the SPROUT Study Investigators and Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. Variability in pediatric severe sepsis managed in USA and European intensive care units. *Pediatric Critical Care Medicine* 2016;17(6):522-30.

Rowan CM, Gertz SJ, McArthur J, Fitzgerald JC, Nitu ME, Loomis A, Hsing DD, Duncan CN, Mahadeo KM, Smith LS, Moffet J, Hall MW, Pinos EL, Cheifetz IM, Tamburro RF; Investigators of the Pediatric Acute Lung Injury and Sepsis Network. Invasive Mechanical Ventilation and Mortality in Pediatric Hematopoietic Stem Cell Transplantation: A Multicenter Study. *Pediatr Crit Care Med*. 2016 Apr;17(4):294-302.

Wong HR, Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald J, Checchia PA, Meyer K, Quasney M, Hall M, Gedeit R, Freishtat RJ, Nowak J, Raj SS, Gertz S, Howard K, Harmon K, Lahni P, Frank E, Hart KW, Lindsell CJ. Prospective Testing and Redesign of a Temporal Biomarker Based Risk Model for Patients With Septic Shock: Implications for Septic Shock Biology. *EBioMedicine*. 2015 Nov 22;2(12):2087-93. doi: 10.1016/j.ebiom.2015.11.035.

Weiss SL, Fitzgerald JC, Maffei FA, Kane JM, Rodriguez-Nunez A, Hsing DD, Franzon D, Kee SY, Bush JL, Roy JA, Thomas NJ, Nadkarni VM; SPROUT Study Investigators and Pediatric Acute Lung Injury and Sepsis Investigators . Discordant identification of pediatric severe sepsis by research and clinical definitions in the SPROUT international point prevalence study. *Crit Care*. 2015 Sep 16;19:325. Fitzgerald RK, Davis AT, Hanson SJ; National Association of Children's Hospitals and Related Institution PICU Focus Group Investigators. Multicenter Analysis of the Factors Associated With Unplanned Extubation in the PICU. *Pediatr Crit Care Med*. 2015 Sep;16(7):e217-23.

Wong HR, Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald J, Checchia PA, Meyer K, Shanley TP, Quasney M, Hall M, Gedeit R, Freishtat RJ, Nowak J, Raj SS, Gertz S, Dawson E, Howard K, Harmon K, Lahni P, Frank E, Hart KW, Lindsell CJ. A Multibiomarker-Based Model for Estimating the Risk of Septic Acute Kidney Injury. *Crit Care Med*. 2015 Aug;43(8):1646-53.

Karam O, Demaret P, Shefler A, Leteurtre S, Spinella PC, Stanworth SJ, Tucci M; Canadian Critical Care Trials Group (CCCTG); Pediatric Acute Lung Injury and Sepsis Investigators (PALISI); BloodNet; PlasmaTV Investigators. Indications and Effects of Plasma Transfusions in Critically Ill Children. *Am J Respir Crit Care Med*. 2015 Jun 15;191(12):1395-402.

Weiss SL, Fitzgerald JC, Pappachan J, Wheeler D, Jaramillo-Bustamante JC, Salloo A, Singhi SC, Erickson S, Roy JA, Bush JL, Nadkarni VM, Thomas NJ; Sepsis Prevalence, Outcomes, and Therapies (SPROUT) Study Investigators and Pediatric Acute Lung Injury and Sepsis

Investigators (PALISI) Network. Global epidemiology of pediatric severe sepsis: the sepsis prevalence, outcomes, and therapies study. *Am J Respir Crit Care Med*. 2015 May 15;191(10):1147-57.

Wong HR, Cvijanovich NZ, Anas N, Allen GL, Thomas NJ, Bigham MT, Weiss SL, Fitzgerald J, Checchia PA, Meyer K, Shanley TP, Quasney M, Hall M, Gedeit R, Freishtat RJ, Nowak J, Shekhar RS, Gertz S, Dawson E, Howard K, Harmon K, Beckman E, Frank E, Lindsell CJ. Developing a clinically feasible personalized medicine approach to pediatric septic shock. *Am J Respir Crit Care Med*. 2015 Feb 1;191(3):309-15.

Zinter MS, Levy ER, Gertz SJ. A review of pathogens causing lower respiratory tract infection in the pediatric hematopoietic stem cell transplant recipient. *Journal of Pediatric Intensive Care*. 3 (2014) 115–132.

Faustino EV, Hanson S, Spinella PC, Tucci M, O'Brien SH, Nunez AR, Yung M, Truemper E, Qin L, Li S, Marohn K, Randolph AG; PROphylaxis against ThRombosis prACTice (PROTRACT) Study Investigators of the PALISI BloodNet. A multinational study of thromboprophylaxis practice in critically ill children. *Crit Care Med*. 2014 May;42(5):1232-40.

Rosenberg R, Ardalan K, Wong W, Patel S, Gold-VonSimson G, Lonner B, Petrizzo A, Poitevien P, Gertz S, Dreyer B. Postoperative Spinal Fusion Care in Pediatric Patients: Pediatric Comanagement Decreases Length of Stay. *Bull Hosp Jt Dis* (2013). 2014;72(3):197-203.

Shenoi AN, Gertz SJ, Mikkilineni S, Kalyanaraman M. Refractory hypotension from massive bupropion overdose successfully treated with extracorporeal membrane oxygenation. *Pediatr Emerg Care*. 2011 Jan;27(1):43-5.

Barnwell LF, Lugo JN, Lee WL, Willis SE, Gertz SJ, Hrachovy RA, Anderson AE. Kv4.2 knockout mice demonstrate increased susceptibility to convulsant stimulation. *Epilepsia*. 2009 Jul;50(7):1741-51.

Gertz, S. Critical appraisal of: Marik, PE. Low-dose dopamine: a systematic review. *Intensive Care Med*. 2002 Jul;28(7):877-83.

In the PedsCCM Evidence-based Journal Club, June 20, 2007. Available from: www.pedsccm.org Gertz, Shira. Critical appraisal of: Wintergerst KA, Buckingham B, Gandrud L, et al. Association of hypoglycemia, hyperglycemia, and glucose variability with morbidity and death in the pediatric intensive care unit. *Pediatrics*. 2006 118(1):173-9.

In the PedsCCM Evidence-based Journal Club, May 15, 2007. Available from: www.pedsccm.org Gertz, S. Critical appraisal of: Shah MR, Hasselblad V, Stevenson LW, Binanay C, O'Connor CM, Sopko G, Califf RM. Impact of the pulmonary artery catheter in critically ill patients: meta-analysis of randomized clinical trials. *JAMA*. 2005 Oct 5;294(13):1664-70.

In the PedsCCM Evidence-based Journal Club, January 27, 2006. Available from: www.pedsccm.org Fulton JA, Bouchard NC, Becker ML, Gertz S, Hoffman RS. FFP in organophosphate poisoning: what's the secret ingredient? *Clin Toxicol*. 2005;43:215

Boloker J, Gertz SJ, Simmons RA. Gestational diabetes leads to the development of diabetes in adulthood in the rat. *Diabetes*. 2002 May;51(5):1499-506.

Simmons RA, Templeton LJ, Gertz SJ. Intrauterine growth retardation leads to the development of type 2 diabetes in the rat. *Diabetes*. 2001 Oct;50(10):2279-86.

Schauber EM, Gertz SJ, Maple WT, Ostfeld RS. Coinfection of blacklegged ticks (Acari: Ixodidae) in Dutchess County, New York, with the agents of Lyme disease and human granulocytic ehrlichiosis. *J Med Entomol*. 1998 Sep;35(5):901-3.

Review Articles Matteo Vatta, Shira J. Gertz, Anne E. Anderson. "Epilepsy – Getting to the Heart of the Matter." *European Paediatrics Review: Touch Briefings*. 2007: 49 – 50

Articles in which I was the site principal investigator Gupta S, Boville BM, Blanton R, Lukasiwicz G, Wincek J, Bai C, Forbes ML. A multicentered prospective analysis of diagnosis, risk factors, and outcomes associated with pediatric ventilator-associated pneumonia. *Pediatr Crit Care Med*. 2015 Mar;16(3):e65-73.

Mikhailov TA, Kuhn EM, Manzi J, Christensen M, Collins M, Brown AM, Dechert R, Scanlon MC, Wakeham MK, Goday PS. Early enteral nutrition is associated with lower mortality in critically ill children. *JPEN J Parenter Enteral Nutr*. 2014 May;38(4):459-66. doi: 10.1177/0148607113517903.

Books

Rowan CM, Gertz SJ, Tamburro RF, Schmidt GA. "The Role of Rescue Treatments for ARDS" Chapter 10 in: *Mechanical Ventilation: Essentials for Current Adult and Pediatric Practice*, 1st edition; I. Cheifetz, N Macintyre, J. Marini; 165-198; Society for Critical Care Medicine, Mount Prospect, IL: 2017 For an up to date publication list please see: <https://www.ncbi.nlm.nih.gov/sites/myncbi/shira.gertz.1/bibliography/51970965/public/?sort=date&direction=descending>