



Recent Publications — Division of Critical Care Medicine

1. Atreya MR, Cvijanovich NZ, Fitzgerald JC, **Weiss SL**, Bigham MT, Jain PN, Abulebda K, Lutfi R, Nowak J, Thomas NJ, Baines T, Quasney M, Haileselassie B, Sahay R, Zhang B, Alder MN, Stanski NL, Goldstein SL. Revisiting Post-ICU Admission Fluid Balance Across Pediatric Sepsis Mortality Risk Strata: A Secondary Analysis of a Prospective Observational Cohort Study. *Crit Care Explor*. 2024 Jan 16;6(1):e1027. doi: 10.1097/CCE.0000000000001027. eCollection 2024 Jan.
2. Federman M, Sutton RM, Reeder RW, Ahmed T, Bell MJ, Berg RA, Bishop R, Bochkoris M, Burns C, Carcillo JA, Carpenter TC, Dean JM, Diddle JW, Fernandez R, Fink EL, Franzon D, Frazier AH, Friess SH, Graham K, Hall M, Hehir DA, Horvat CM, Huard LL, Kirkpatrick T, Maa T, Maitoza LA, Manga A, McQuillen PS, Meert KL, Morgan RW, Mourani PM, Nadkarni VM, Notterman D, Palmer CA, Pollack MM, Sapru A, Schneider C, Sharron MP, Srivastava N, Tilford B, **Viteri S**, Wessel D, Wolfe HA, Yates AR, Zuppa AF, Naim MY. Survival With Favorable Neurologic Outcome and Quality of Cardiopulmonary Resuscitation Following In-Hospital Cardiac Arrest in Children with Cardiac Disease Compared With Noncardiac Disease. *Pediatr Crit Care Med*. 2024 Jan 1;25(1):4-14. Epub 2023 Sep 7. Clinical Trial.
3. Frazier AH, Topjian AA, Reeder RW, Morgan RW, Fink EL, Franzon D, Graham K, Harding ML, Mourani PM, Nadkarni VM, Wolfe HA, Ahmed T, Bell MJ, Curns C, Carcillo JA, Carpenter TC, Diddle JW, Federman M, Friess SH, Hall M, Hehir DA, Horvat CM, Huard LL MD, Maa T, Meert KL, Naim MY, Notterman D, Pollack MM, Schneider C, Sharron MP, Srivastava N, **Viteri S**, Wessel D, Yates AR, Sutton RM, Berg RA. Association of Pediatric Post-Cardiac Arrest Ventilation and Oxygenation with Survival Outcomes. *Ann Am Thorac Soc*. 2024 Mar 20. Doi: 10.1513/AnnalsATS.202311-948OC. Online ahead of print.
4. Long E, Borland ML, George S, Jani S, Tan E, Neutze J, Phillips N, Kochar A, Craig S, Lithgow A, Rao A, Dalziel S, Oakley E, Hearps S, Singh S, Gelbart B, McNab S, Balamuth F, **Weiss SL**, Kuppermann N, Williams A, Babl FE; Paediatric Research In Emergency Departments International Collaborative (PREDICT); Children's Inpatient Research Collaborative of Australia and New Zealand (CIRCAN). Sepsis epidemiology in Australian and New Zealand children (SENTINEL): protocol for a multi-country prospective observational study. *BMJ Open* 2024;14(1):e077471.
5. L Nelson Sanchez-Pinto, Tellen D Bennett, Peter E DeWitt, Seth Russell, Margaret N Rebull, Blake Martin, Samuel Akech, David J Albers, Elizabeth R Alpern, Fran Balamuth, Melania Bembea, Mohammad Jobayer Chisti, Idris Evans, Christopher M Horvat, Juan Camilo Jaramillo-Bustamante, Niranjana Kissoon, Kusum Menon, Halden F

Scott, **Scott L Weiss**, Matthew O Wiens, Jerry J Zimmerman, Andrew C Argent, Lauren R Sorce, Luregn J Schlapbach, R Scott Watson; Society of Critical Care Medicine Pediatric Sepsis Definition Task Force; Paolo Biban, Enitan Carrol, Kathleen Chiotos, Claudio Flauzino De Oliveira, Mark W Hall, David Inwald, Paul Ishimine, Michael Levin, Rakesh Lodha, Simon Nadel, Satoshi Nakagawa, Mark J Peters, Adrienne G Randolph, Suchitra Ranjit, Daniela Carla Souza, Pierre Tissieres, James L Wynn. Development and Validation of the Phoenix Criteria for Pediatric Sepsis and Septic Shock. *JAMA*. 2024 Jan 21. doi: 10.1001/jama.2024.0196. Online ahead of print.

6. McCann S, Heller VE, Balevic SJ, Hornik CD, Goldstein SL, Autmizguine J, **Meyer M**, Al-Uzri A, Anderson SG, Payne EH, Turdalieva S, Gonzalez D; Best Pharmaceuticals for Children Act – Pediatric Trials Network Steering Committee. Using Real-World Data to Externally Evaluate Population Pharmacokinetic Models of Dexmedetomidine in Children and Infants. *J Clin Pharmacol*. 2024 Mar 28. Doi: 10.1002/jcph.2434. Online ahead of print.
7. Schlapbach LJ, Watson RS, Sorce LR, Argent AC, Menon K, Hall MW, Akech S, Albers DJ, Alpern ER, Balamuth F, Bembea M, Biban P, Carrol ED, Chiotos K, Chisti MJ, DeWitt PE, Evans I, Flauzino de Oliveira C, Horvat CM, Inwald D, Ishimine P, Jaramillo-Bustamante JC, Levin M, Lodha R, Martin B, Nadel S, Nakagawa S, Peters MJ, Randolph AG, Ranjit S, Rebull MN, Russell S, Scott HF, de Souza DC, Tissieres P, **Weiss SL**, Wiens MO, Wynn JL, Kissoon N, Zimmerman JJ, Sanchez-Pinto LN, Bennett TD; Society of Critical Care Medicine Pediatric Sepsis Definition Task Force. International Consensus Criteria for Pediatric Sepsis and Septic Shock. *JAMA*. 2024 Jan 21. doi: 10.1001/jama.2024.0179. Online ahead of print.
8. Vella LA, Berna AZ, **Blatz AM**, Logan J, Sharma P, Liu Y, Tedesco J, Toland C, Babiker L, Hafertepe K, Kammerman S, Novacek J, Akaho E, Gonzalez AK, Taylor D, Diorio C, Balamuth F, Bassiri H, Odom John AR. Metabolomic and Immunologic Discriminators of MIS-C at Emergency Room Presentation. *medRxiv*. 2024 Jan 15:2024.01.11.24301110. doi: 10.1101/2024.01.11.24301110. Preprint.
9. **Weiss SL**, Fitzgerald JC. Pediatric Sepsis Diagnosis, Management, and Sub-phenotypes. *Pediatrics*. 2024 Jan 1;153(1):e2023062967.
10. Zinna SS, Morgan RW, Ahmed T, Bell MJ, Bishop R, Bochkoris M, Burns C, Carcillo JA, Carpenter TC, Cooper KK, Michael Dean J, Wesley Diddle J, Federman M, Fernandez R, Fink EL, Franzon D, Manga A, McQuillen PS, Meert KL, Mourani PM, Nadkarni VM, Naim MY, Notterman D, Pollack MM, Sapru A, Schneiter C, Sharron MP, Srivastava N, Tilford B, **Viteri S**, Wessel D, Wolfe HA, Yates AR, Zuppa AF, Berg RA, Sutton RM. Chest Compressions for Pediatric Organized Rhythms: A Hemodynamic and Outcomes Analysis. *Resuscitation*. 2024 Jan;194:11068. Doi: 10.1016/j.resuscitation.2023.110068.