

## Posters Utilizing VPS Data

Tripathi, S. Description of current practice of tracheostomy after respiratory ECMO in children and review of outcomes benefit for early tracheostomy. Presented at Society of Critical Care Medicine. February 16, 2020. Orlando, FL.

Negative Pressure Ventilation in Pediatric Critical Care: Historical and Current Role and Implications for Future Study  
Abstract presentation at SCCM 2/17/20 EPIDEMIOLOGY AND OUTCOMES OF NEGATIVE-PRESSURE VENTILATION USE IN A MULTICENTER PICU DATASET  
Moffitt, Cynthia<sup>1,2</sup>; Slain, Katherine<sup>3</sup>; Deakins, Kathleen<sup>4</sup>; Speicher, Richard<sup>5</sup>; Shein, Steven<sup>2</sup> Author Information  
Critical Care Medicine: January 2020 - Volume 48 - Issue 1 - p 566  
doi: 10.1097/01.ccm.0000643632.21028.4a

Lindell RB, Nishisaki A, Weiss SL, Traynor DM, Fitzgerald JC. Risk of mortality in immunocompromised children with severe sepsis and septic shock. Society of Critical Care Medicine Annual Congress, San Diego, CA. February 18, 2019. [received Silver Snapshot Award]

Lindell RB, Fitzgerald JC, Nishisaki A, Traynor DM, Weiss SL. Predictive Validity of Mortality Prediction Scores in Pediatric Severe Sepsis and Septic Shock. Society of Critical Care Medicine Annual Congress, San Diego, CA. February 18, 2019.

An abstract was presented at PAS in Baltimore April 27-28th, 2019. A third complete draft of the manuscript is being circulated to all co-authors, and will be submitted to VPS for internal review within the ~1 mth, & we anticipate submitting to Pediatric Critical Care Medicine.

SCCM. 2019 titled "The Burden of Gun Violence in Pediatric Intensive Care Units in the United States," is #392

McCluskey C, Slain K, Shein S, and Rotta A. Characterization of Critical Self-Harm Among Children in the United States. Presentation at the 2019 Society of Critical Care Medicine Annual Congress; San Diego, California

Presented at PCICS November 2019, London, England.

Shein SL. Treatment and Outcomes of PICU Bronchiolitis. SCCM Conference. February 2018.

1. PAS in Toronto 2. WFPICCS in Singapore. Pediatric Academic Societies Meeting, Toronto, Canada. May 6, 2018

9th Congress of the World Federation of Pediatric Intensive & Critical Care Societies, Singapore. June 12, 2018  
Oral Presentation

Soto-Campos G, Kim F. Timing of Extubation Failure in Pediatric Intensive Care Units. SMMC. February 2018.

Shein S. Validation and Refining of the Critical Bronchiolitis Score. PALISI. September 5-8, 2018. Boston, MA.



Soto-Campos G, Palumbo J. Recalibration of the Pediatric Logistic Organ Dysfunction (PELOD) Model Using the VPS Dataset. SMMC. February 2018.

Heat Map, a Visual Tool for Comparative Analytics,  
by Jamie Palumbo, Randall Wetzel, and Gerardo Soto-Campos, at the American Medical Informatics Association (AMIA). San Francisco, CA.  
November 3-7, 2018

Zinter MS, Logan B, Zhu X, Sapru A. Improved Mortality Prognostication for Critically Ill Pediatric Hematopoietic Cell Transplant Patients: Results from a Virtual Pediatric Systems (VPS) and Center for International Blood and Marrow Transplant Research (CIBMTR) Database Merger. ASBMT/CIBMTR Tandem Meeting. February 2017. Oral Platform under the category "Best Pediatric Abstracts" at the ASBMT/CIBMTR Tandem Meeting on 2/22/2017.

Peters C, Gorges M, Murthy S, Kissoon N. Systemic Inflammatory Response Syndrome Criteria and Mortality in Children: Time for a New Definition? Pediatric Cardiovascular Disease and Critical Care. 2017.

Peters C, Gorges M, Murthy S, Kissoon N. Sepsis in Children: Time for a New Definition? . Anesthesiology, Pharmacology and Therapeutics Research Day. May 2017.

Peters C, Gorges M, Murthy S, Kissoon N. Sepsis in Children: Time for a New Definition? . The American Thoracic Society International Conference. May 2017.

Peters C, Gorges M, Murthy S, Kissoon N. Sepsis in Children: Time for a New Definition? . Annual Trainee Research Forum Poster Presentation. June 2017.

Balakrishnan B, Zhang L, Simpson PM, Hanson SJ. Impact of Timing of Placement of Intracranial Pressure Monitor on Outcomes in Children with Severe Traumatic Brain Injury. PTS 2017 Conference. 2017.

Faustino EV, Shabanova V. Phenotypic Clusters of Organ Failure in Critically Ill Children. SCCM Annual Meeting. January 2017.

Tjoeng Y. Association Between Race and Illness Severity in Children undergoing Cardiac Surgery. World Congress for Pediatric Cardiology and Cardiothoracic Surgery (WCPCCS). July 2017.

Flynn-O'Brien K, Fallat M, Rice T, et al. Pediatric Trauma Assessment and Management Database: Leveraging Existing Data Systems to Predict Mortality and Functional Status after Pediatric Injury. October 2016.

Ross PA, Newth CJ, Leung D, et al. Association Of Body Habitus On Outcome For Mechanically Ventilated Children With Respiratory Failure. Pediatrics. 2016;137(3). Publication Number: A2609, e20152035, Poster Board # 314

Zinter MS, Logan B, Zhu X, Sapru A. Improved Mortality Prognostication for Critically Ill Pediatric Hematopoietic Cell Transplant Patients: Results from a Virtual Pediatric Systems (VPS) and Center for International Blood and Marrow Transplant Research (CIBMTR) Database Merger. VPS User Conference. September 2016.

Heneghan JA, Lansell A, Domowicz DL, Shein SL. Intensive Care Unit Readmissions Among Children with Tracheostomies Placed Following Cardiac Arrest. Pediatrics. 2016;137:258A-258A. doi:10.1542/peds.137.Supplement\_3.258A.  
For presentation at ASH national meeting



Halvorson EE, Case D, Skelton JA, McCrory MC. Vascular Access in Critically Ill Pediatric Patients With Obesity. 2016 May; PAS Poster Presentation.

Gupta P, Rettiganti M, Jeffries H, et al. Association of 24/7 In-House Intensive Care Unit Attending Physician Coverage with Outcomes in Children Undergoing Heart Operations. Presented at the Fifty-second Annual Meeting of the Society of Thoracic Surgeons, Phoenix, Arizona, January 23-27, 2016.

Gupta P, Rettiganti M, Jeffries HE, Brundage N, Markovitz BP, Scanlon MC, Simsic JM. Association of 24/7 In-house ICU Attending Coverage with Outcomes in Children Undergoing Heart Operations. *Ann Thorac Surg*. (Accepted for Publication, In Press).

*Ann Thorac Surg*. 2016 Jun 18. pii: S0003-4975(16)30372-1. doi: 10.1016/j.athoracsur.2016.04.042. [Epub ahead of print] 10.1016/j.athoracsur.2016.04.042. Presented At STS(2016)Jan. Phoenix, AZ.

Bagdure D. The impact of dedicated CICU's on Outcomes in Pediatric Cardiac Surgery: A VPS Database Analysis. PCICS. December 2016.

Markovitz B, Soto-Campos G, Khemani R., The Relationship Between PICU Volume And Outcome: An Updated Analysis. Poster Presentation at SCCM 43rd Crit Care Congress

Flynn-O'Brien K. Pediatric Trauma Assessment and Management Database: Leveraging Existing Data Systems to Predict Mortality and Functional Status after Pediatric Injury. October 2015. The Organization of Children's Hospitals Surgeons in Chief Meeting.

Flynn-O'Brien K, Fallat M, Rice T, et al. Pediatric Trauma Assessment and Management Database: Leveraging Existing Data Systems to Predict Mortality and Functional Status after Pediatric Injury. November 2015.

Flynn-O'Brien KT, Fallat ME, Rice TB. Improving Risk-Adjusted Mortality Modeling in Pediatric Trauma with a Novel Dataset. October 2015.

Gupta P, Tang X, Gossett JM, Gall C, Lauer C, Rice T, Wetzel RC. Variation of Ventilation Practices with Center Volume after Pediatric Heart Surgery. Society of Critical Care Meeting, Phoenix, Arizona (January 17-21, 2015).

Field-Ridley A, Dharmar M, Steinhorn D, McDonald C. ICU-Acquired Weakness Is Associated With Differences in Clinical Outcomes in Critically Ill Children. 2015. Abstract presented

Gupta P, Tang X, Gall CM, Lauer C, Rice TB, Wetzel RC. Epidemiology and Outcomes of In-Hospital Cardiac Arrest in Critically Ill Children across Hospitals of Varied Center Volume. Presented at Society of Critical Care Meeting, January 17-21, 2015 in Phoenix, Arizona. Awarded 2015 CPR/Resuscitation Specialty Award.

Russell RA, Boucher L, Panchal AK, Mikhailov TA. Validation of Vasoactive Inotropic Score in Pediatric Patients after Cardiopulmonary Bypass. Pediatric Academic Societies Conference. April 2015.

Munoz, D, Bastian, N, & Ventura, M A Workflow Assessment for a Pediatric Intensive Care Unit: A Mixed-Methods Approach. Proceedings of the 2014 Industrial and Systems Engineering Research Conference Y. Guan and H. Liao, eds.

Toltzis P, Soto-Campos G, Kuhn E, Wetzel R. A Pediatric Triage Scheme to Guide Resource Allocation in a Mass Casualty. Poster Presentation, SCCM 43rd Crit Care Congress, 2014



Jeffries H, Russell R, Rice T, Soto-Campos G, Wetzel R, The Development of the Pediatric Index of Cardiac Surgical Intensive Care Mortality (PICSIM) Score. Oral Presentation at SCCM 43rd Crit Care Congress 2014

Gupta P, Tang X, Gossett JM, Gall CM, Lauer C, Rice TB, Carroll CL, Kacmarek RM, Wetzel RC. Association of Center Volume with Outcomes in Critically Ill Children with Acute Asthma. American Thoracic Society Meeting, San Diego, California. (May 16-21, 2014).

Coro M, Spaeder M, Futterman C. Unplanned pediatric admissions to cardiac intensive care Clinical features and outcomes. Critical Care Medicine. December 2013. doi:10.1097/01.ccm.0000439913.67688.c4. Poster Session: Epidemiology/Outcomes 14: PDF Only

Wakeman M, Kuhn E, Lee J, McCrory M, Scanlon M. Use of Tracheostomy in the Pediatric Intensive Care Unit Among Patients Requiring Long Term Mechanical Ventilation. SCCM Poster Presentation January 2013

Edwards J, Houtrow A, Vasilevskis E, Dudley R, Okumura M. Children Initiated on Chronic Respiratory Technologies and an Analysis of Their Risk Factors. Oral Platform presentation at Pediatric Academic Societies, 4/28/2012. E-PAS2012:3470.6.

Khandhar P, Kuhn E, Murkowski K, Scanlon M. 24/7 PICU Attending Coverage Not Associated With Improved outcomes. SMMC. 2012. Poster Presentation

Gaies, M., Gurney, J., Charpie, J., Hirsh, J., Thiagarjan, R., Niebler, R., Ghanayem, N., Jeffries, H., Validation of the Vasoactive-Inotropic Score as a Predictor of Morbidity and Mortality in Children after Cardiopulmonary Bypass, VIS – CTSA Consortium, 8/2012

Keller SR, Totapally B, Huddleston K, et al. Effects of Rapid Response system on Pediatric Cardiopulmonary Arrests OUTside Intensive Care Units: A Multi-Institutional Study. NACHRI PICU Focus Group. 2012.

Ghuman, A, Newth, C, Khemani, R. Gender Differences in Septic Shock in Pre-pubertal and Post-pubertal Children: Society of Critical Care Annual Conference Presentation Jan 2011

Markovitz B, Khemani R. PICU Volume and Outcome: A Complex Relationship. World Congress of Pediatric Critical Care, Sydney, Australia, March 7-10, 2011

Faustino EV, Hanson SJ, Lawson KA, Higgerson RA. Duration of Central Venous Line is Not Associated with Increased Deep Venous Thrombosis in Critically Ill Childre. PAS. 2011. Poster Presentation

Niedner, M., Huskins, C., Colantuoni, E., Muschelli, J., Harris II, M., Rice, T., Brilli, R., & Miller, M. (2011). Epidemiology of central line-associated bloodstream infections in the pediatric intensive care unit. The University of Chicago Press on behalf of The Society for Healthcare Epidemiology of America, 32(12), 1200-1208. doi: 10.1086/662621

Edwards J, Houtrow A, Rehm R, Markovitz B, Graham R, Dudley RA. The Impace of Complex Chronic conditions on Children Admitted to a National Sample of U.S. PICUs. 2010. Poster Presentation

Carroll C, Karamessinis L, Sala K, Tang Y, Spinella P, Zucker A; Respiratory Failure in Children with Status Asthmaticus: A Review of the Virtual PICU Database, ATS 2011



Gall CM, Jeffries HE, Lee JY, Kuhn EM, Wetzel RC, Rice TB. Development of a new method to risk adjust outcomes for cardiac critical care patients. SCCM. 2010. Poster Presentation

Epstein, D., Wong, C., Khemani R., et al. Health Insurance, Not Race/Ethnicity, is Associated with Mortality in the Pediatric Intensive Care Unit (PICU) SCCM Oral Presentation at the 39th Critical Care Congress (Jan 2010)

Meyer MT, Kuhn EM, Collins MM, Scanlon MC. Assessing Pediatric Outcomes for Interfacility Transport Into the Pediatric Intensive Care Unit by Team Type and Mode of Transport. SMMC. 2010. Poster Presentation

Scanlon M, Rice T, Sedehi L, Wetzel R. The VPS Database - A Multi-Institutional Pediatric Critical Care Registry. (2009) The 20th ESPNIC Medical & Nursing Annual Congress, of the European Society of Paediatric and Neonatal Intensive Care. Verona, Italy

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Sachdeva, R, Rice, T, Mikhailov, T, Gall, C. Enhancing Efficiency and Effectiveness Through Quality and Performance Improvement Initiatives. NACHRI 2009 Annual Meeting, Orlando, Florida, October 2009.

Sachdeva, R, Rice, T, Wetzel, R, Gorman, M. Comparative Effectiveness: Embracing Bold Actions to Improve Outcomes for Children. NACHRI 2009 Annual Meeting, Orlando, Florida, October 2009.

Markovitz B, Khemani R. Severity-Adjusted Mortality and PICU Volume: Role of Reason for Admission. American Academy of Pediatrics National Conference, San Francisco October 2010.

Goday P, Kuhn E, Sachdeva R Mikhailov T. Does admission weight influence mortality and morbidity in the Pediatric Intensive Care Unit (PICU)? Oral presentation at Clinical Nutrition Week 2008. *JPEN J Parenter Enteral Nutr* 32:316-7, 2008

Gorman, MK, Rice, TB, Christie, LM. Becoming a Champion of Children's Health Through NACHRI Analytics. NACHRI 2008 Annual Meeting, Salt Lake City, Utah, October 2008.

Lee K, Tieves K, Scanlon M, Alterations in Support at the End of Life in the Pediatric Intensive Care Unit: A Multi-Institutional Descriptive Study. Critical Care Congress, Society of Critical Care Medicine, Honolulu, HI – 02/2008

Markovitz B, Bratton S, Randolph A. Epidemiology of Status Asthmaticus in the PICU. Society of Critical Care Medicine's 35th Critical Care Congress, San Francisco, CA, January 9, 2006.

Matchey J, Scanlon MC, Tieves KS, Rice TB., Organ and Tissue Consent and Donation Patterns in Pediatric ICUs. Society of Critical Care Medicine Annual Meeting. San Francisco, CA, February 2006. Awarded the Society of Critical Care Medicine's 2006 Educational Scholarship Award.

Sachdeva R; Wetzel R; Gorman M; Rice, T. Public Reporting of Outcomes, Medical Malpractice Trends, and Pediatric Intensive Care in the U.S. [abstract]. *Pediatr Crit Care Med*. 2006;7(5):515.



Sachdeva RC., Rice TB., Enhancing Transparency and Communication to Improve Quality. NACHRI 2006 Annual Meeting, Boston, MA, October 2006.

McArthur JA, Scanlon MC, Tieves KS. Outcomes of Pediatric Oncology and Hematopoietic Stem Cell Transplant Patients Admitted to Pediatric Intensive Care Units . 2006. Poster Presentation

Tieves, K, Scanlon, M, Rice, T, Havens, P, Outcome of Pediatric Patients with Head Injury: Center differences in mortality and functional outcome at PICU Discharge. Pediatric Critical Care Colloquium, New York, New York, September 2004. Pediatric Critical Care Medicine 2005; 6(1) p.118.

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Ventilator-Associated Pneumonia Registry-Phase 2: a multi-site study. 2013, the Annual Congress of the Society of Critical Care Medicine from January 19-23 in San Juan, Puerto Rico

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