

Geoffrey Allen, MD

1. The SAFE Extrapolation to Pediatric Intensive Care (SAFE-EPIC) Study
2. Sedation Management in Pediatric Patients with Acute Respiratory Failure
3. Genomic Analysis of the Pediatric Systemic Inflammatory Response Syndrome

Andrew Ausmus, MD

1. Simulation for Pediatric Critical Care Medicine Fellows
2. Factors Influencing the Utilization of Cardiopulmonary and Pulse Oximetry Monitors in Inpatient Pediatric Units
3. Sedation and Withdrawal in Pediatric CICU Patients

Paul Bauer, MD

1. The Association of Hyperoxia on Admission to the PICU and Mortality, a Retrospective VPS Study.
2. The Relative Impact of High-Risk Unscheduled Transfers to the Pediatric Intensive Care Unit and Subsequent Mortality
3. Positioning of EDI Catheter in Premature Infants (PIPI trial), A Multi-Institutional Study with St. Michael's Hospital in Toronto.

Jennifer Flint, MD

1. A Feeding Protocol for Infants with Single Ventricle Anatomy May Decrease Morbidity and Mortality Associated with Feeding Complications (Including Necrotizing Enterocolitis)
2. Pilot Randomized Control Trial of Necrotizing Enterocolitis Screening using Abdominal Radiograph versus Bowel Ultrasound plus Abdominal Radiograph in Congenital Heart Disease Patients
3. Multicenter, Open-Label, Dose Escalation Study to Evaluate Safety, Tolerability, and Pharmacokinetics of RLX030 in Addition to Standard of Care in Pediatric Patients from Birth to <18 years of Age, Hospitalized with Acute Heart Failure
4. A Phase 3b, Multicenter, Open-label, Randomized Withdrawal Trial of Effects of Titrated oral SAMSCA (tolvaptan) on Serum Sodium, Pharmacokinetics, and Safety in Children and Adolescent Subjects Hospitalized with Euvolemic or Hypervolemic Hyponatremia
5. Developing Pediatric Residents' Knowledge and Skills in cardiopulmonary resuscitation through A Guided Mentoring Model
6. Analysis of a clinical protocol for the care of critically ill children with burns and/or inhalation injury.
7. Pediatric demographics in children presenting with acute neurological deficit concerning for stroke: An evaluation of the Stroke Alert process.
8. Low field and high field MRI on assessments on pediatric patients (evaluation of hyperfine mobile MRI)
9. VIPSII Study: Vascular Effects of Infection in Pediatric Stroke Study (multicenter)

10. IPSS: International Pediatric Stroke Study (multicenter)
11. Pediatric Stroke Care for critical care transport
12. Predictive Factors for Floor to ICU Transfer with in 24hours after Admission via Pediatric Critical Care Transport Team
13. HFNC Utilization During Pediatric Critical Care Transport
14. Changes in Pediatric Demographics and Diagnoses for Critical Care Transport During the Global COVID-19 Pandemic

Yong (Kato) Han, MD

1. CPCCRN study on Immunomodulation in Pediatric Sepsis-Induced MODS
2. The Relative Impact of High-Risk Unscheduled Transfers to the Pediatric Intensive Care Unit and Subsequent Mortality
3. Linking Endotypes and Outcomes in Pediatric Acute Respiratory Distress Syndrome – LEOPARD Study

Jenna Miller, MD

1. Pneumatosis Intestinalis and Intestinal Perforation in a case of Multisystem Inflammatory Syndrome in Children
2. Trimethoprim-Sulfamethoxazole Associated Fulminant Respiratory Failure in Children and Young Adults.
3. Variation in Acute Fluid Resuscitation Among Pediatric Burn Acute Fluid Resuscitation among Pediatric Burn Centers
4. Hemodynamic Metrics of Pediatric Patients with Severe Burn Injury
5. Extracorporeal Membrane Oxygenation as a Bridge to Chimeric Antigen Receptor T-cell Therapy for Severe Refractory Sepsis in the Setting of Relapsed Refractory Pediatric Acute Lymphoblastic Leukemia
6. Utilizing Extracorporeal Membrane Oxygenation Support as a Bridge to an Airway Foreign Body Removal
7. Utilization of enteral tranexamic acid to stabilize gastrointestinal hemorrhage in pediatric patients in ECMO
8. Rapid Transition of ECMO Simulation to Virtual Training in the COVID-19 Era
9. ECMO Therapy in Pediatric Hematology/Oncology Patients
10. ECMO IN A BAG” Successful Adaptation and Implementation of a Novel Conference Idea
11. Pulmonary Hemorrhage and Liver Failure: Does Ether Preclude ECMO Candidacy?
12. Pediatric Pulmonary Artery Aneurysms causing Pulmonary Hemorrhage: A Case of Transcatheter Intervention while on VA ECMO

Brian Olsen, MD

1. Identifying Predictive Factors for Patients Transferred to the PICU Within 24 Hours After Admission to the General Pediatric Floor by a Pediatric Critical Care Transport Team

Jay Rilinger, MD

1. CHA Sepsis Collaborative

Alyssa Stoner, DO

1. Expert Coaching: Enhancing Pediatric Residents' Resuscitation Skills

Kelly Tieves, DO

1. Assessing the Association between EPAS, Competencies and Milestones in the Pediatric Subspecialties
2. Implementation Trial of a Validated Clinical Decision Rule for Pediatric Abusive Head Trauma. CDR Implementation Trial
3. IV Amiodarone vs IV Sotalol for the use in postoperative junctional ectopic tachycardia (JET)
4. Early postoperative cardiac catheterization after congenital heart surgery

Marita Thompson, MD

1. Neurosedative Requirements Pre and Post Extubation for ARDS Patients on ECMO
2. Use of Delirium Score in Pediatric Critical Care
3. Development of a bronchoscopy score for ARDS patients on ECMO
4. CHA Sepsis Collaborative
5. Blood Product Usage Pre and Post Development of a Piggyback Circuit Change Protocol

Asdis Wagner, DO

1. Parental Perspectives in the PICU Regarding Limitations of Life-Sustaining Therapy, End-of-Life Care, and Do-Not-Resuscitate Orders
2. ECMO Therapy in Pediatric Hematology/Oncology Patients
3. Linking Endotypes and Outcomes in Pediatric Acute Respiratory Distress Syndrome – LEOPARD Study, Site PI
4. ARDS in Children and ECMO Initiation Strategies Impact on Neuro-Development

Jessica Wallisch, MD

1. Development of a Bedside Guide Engine in Severe Pediatric Traumatic Brain Injury, site PI
2. Low Field and High Field MRI Assessments on Pediatric Patients, co-investigator
3. Pediatric Neurocritical Care Research Group, Research Network Site PI