Emergency Medicine Research Projects

The LIPid Intensive Drug therapy for Sepsis ¬Pilot (LIPIDS-P) Phase I/II Trial – Faheem Guirgis, MD

Rapid Administration of Camitine in Sepsis (RACE) – Faheem Guirgis, MD

Sonographic Measurements of the Inferior Vena Cava and Aorta diameters in Children from 4 Months to 8 years of Age Presenting to the Pediatric Emergency Department – Petra Duran, MD

Standardized Video Interview Local Validity Study – David Caro, MD

The Role of Dysfunctional HDL in Sepsis - K23 – Faheem Guirgis, MD

Translating Simulation-Based Team Leadership Training into Patient-Level Outcomes (AHRQ) – Rosemarie Fernandez, MD

Longitudinal Assessment of Post-traumatic Syndromes (AURORA) – Phyllis Hendry, MD

A multi-center, randomized, placebo-controlled, double-blind, adaptive clinical trial of vitamin C, thiamine and steroids as combination therapy in patients with sepsis (VICTAS) – Faheem Guirgis, MD

Development and Validation of a novel TEam Adaptation Measurement System: TEAMS – Rosemarie Fernandez, MD

Bacteremia, Bacterial Meningitis, and Development of Adverse Events in Afebrile Infants Aged 90 Days and Younger with Clinically-Diagnosed Acute Otitis Media – Ankita Taneja, MD

A Review of Whole-Body CT Scan ("Pan-Scan") Use In Pediatric Blunt Trauma – Stephanie Ashby, MD

Aminoglycoside Dosing Impact on Renal Dysfunction in Patients with Sepsis Induced Acute Kidney Injury – Patrick Aaronson, PharmD, Faheem Guirgis, MD

Success of our blunt abdominal trauma (BAT) algorithm in reducing CT scan rates for evaluation of hemodynamically stable children with blunt abdominal trauma – Osayi Odia, MD

The Pediatric Submersion Score – Andrew Schmidt, DO
Implementation of a Protocol for Early Identification and Management of Sepsis, severe Sepsis, and Septic Shock Patients: An Institution Wide Multidisciplinary Collaborative – Faheem Guirgis, MD

Pediatric Cervical Spine Injury (CSI) Protocol – Jennifer Fishe, MD

Pain and its Impact on Emergency Department Revisits Within 30 days of an Index-ED visit or Hospital Discharge – Ashley Norse, MD

Measuring prehospital analgesia’s effectiveness for pediatric trauma patients – Denisse Fernandez Goytizolo, MD

System Dynamics Modeling of Multi-level Coping Responses – DJ Williams, MD

Understanding Patient Factors Associated with Readmission for Sepsis – Elizabeth DeVos, MD

Development of a Risk Prediction Screening Tool for Opioid-Prescription Injury (STOP Injury) in Older Adults Initiated on Opioids from the Emergency Department – Sophia Sheikh, MD

An Emergency Department-to Home Intervention to Improve Quality of Life and Reduce Hospital Use (PCORI) – Donna Carden, MD/Phyllis Hendry, MD

Clinical Predictors of Need for Endotracheal Intubation in Patients Presenting to the Emergency Department with Angioedema – David Caro, MD

Impact of a Flipped Classroom Wellness Curriculum on Emergency Medicine Resident Burnout Rates: A Pilot Study – Melissa Parsons, MD

Correlation between Volume Resuscitation and Alveolar Interstitial Syndrome by POCUS – Christopher Kumetz, MD

Value in Inpatient Pediatrics (VIP) Network PIPA Project: Pathways for Improving Pediatric Asthma Care – Jennifer Fishe, MD

The Role of Dysfunctional HDL in Sepsis – Faheem Guirgis, MD

Emergency Medicine Research Data and Tissue Bank – Faheem Guirgis, MD

Collection of Nasopharyngeal and Nasal Swabs for use in the Development of Rapid Diagnostic Tests for Influenza A&B and RSV – Phyllis Hendry, MD

Impact of Patient Complexity on Hospital-Based Care – Phyllis Hendry, MD
A multi-institutional online database for implementation and validation of the NCAT-EM: a consensus-derived tool for clinical assessment of medical students in Emergency Medicine – Thomas Morrissey, MD

“Medication Map”: Using Geographic Information Systems to Create Custom Protocols for EMS Agencies – Jennifer Fishe, MD

Use of an Online Immunization Registry in the Pediatric Emergency Department to Confirm Tetanus Vaccination as up to date with Injuries requiring tetanus vaccination in children who present to the Emergency Department – Phyllis Hendry, MD

Validation of a Screening Tool to Identify Elder Abuse in United States Emergency Departments (pending IRB approval) – Ashely Norse, MD

Barriers and facilitators to Child abuse recognition and reporting among Pediatric Emergency Providers – Akhila Mandadi, MD

Translating Military Simulation-Based Trauma Team Research Into Outcomes: LEADing Effective Resuscitations (LEADER) – Rosemarie Fernandez, MD

Fertility and Childbearing Trends Among Female Emergency Medicine Physicians – Melissa Parsons, MD

Development of an Integrated Team Training Design and Assessment Architecture to Support Adaptability in Healthcare Teams (DOD NCE) – Rosemarie Fernandez, MD

Utilization of Social Media Platforms in Emergency Medicine Residency Programs – Jay Khadpe, MD