

Emergency Medicine Research Projects

Aminoglycoside Dosing Impact on Renal Dysfunction in Patients with Sepsis Induced Acute Kidney Injury – Patrick Aaronson, PharmD (PI) / Faheem Guirgis, MD (Co-PI)

A comparative assessment of hypotension-time metrics and risk of adverse outcomes in septic shock – Lauren Black, MD (PI)

Standardized Video Interview Local Validity Study – David Caro, MD (Site PI)

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

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

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 (PI)

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

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

Researching Precision Emergency Asthma Treatment (RePEAT): Pharmacogenomics of Bronchodilator Response – Jennifer Fishe, MD (PI)

RePEAT Tissue/DNA/Saliva Sample/Data Bank – Jennifer Fishe, MD (PI)

Early Administration of Steroids in the Ambulance Setting: An Observational Design Trial “EASI-AS-ODT” – Jennifer Fishe, MD (PI)

National Trends in Psychiatric Emergency Department Boarding, 2011-2015 – Jennifer Fishe, MD (PI)

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

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

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

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 (Site PI)

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 (PI)

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

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

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

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

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

Impact of Patient Complexity on Hospital-Based Care – Phyllis Hendry, MD (PI)

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 – Cristina Zeretzke-Bien / Phyllis Hendry, MD (PI)

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

What is the epidemiology of monoarticular joint pain in a large, urban emergency department and affiliated community emergency department? – John Kiel, DO (PI)

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

Gender Distribution of Chief Resident in Emergency Medicine Residency Programs in the United States – Alexandra Mannix, MD (PI)

Simulation-based Electronic Health Record optimization in Emergency Medicine Residency training – Alexandra Mannix, MD (PI)

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 (Site PI)

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

Validation of a Screening Tool to Identify Elder Abuse in United States Emergency Departments – Ashley Norse, MD (Site PI)

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 (PI)

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

Wellness Interventions by Emergency Medicine Residency Programs in the United States – Melissa Parsons, MD (PI)

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

The Pediatric Submersion Score – Andrew Schmidt, DO (Site PI)

The Aquatic Feasibility of Lower Extremity Application of Tourniquets (AFLOAT) Trial (pending IRB approval) – Andrew Schmidt, DO (PI)

Correlation between Volume Resuscitation and Alveolar Interstitial Syndrome by POCUS – Andrew Shannon, MD (PI)

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 (PI)

The Role of Epigenomics in High Impact Chronic Musculoskeletal Pain and Prescription Opioid Abuse (LEAP) – Sophia Sheikh, MD (PI)

Neighborhood of Pain- Health Disparity Influence on level of Chronic Pain Interference (HELP) – Monika Patel, MD / Sophia Sheikh, MD (PI)

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 (PI)

System Dynamics Modeling of Multi-level Coping Responses – DJ Williams, MD (Site PI)