

Our past research projects include the following:

- Deliberate practice to improve interdisciplinary communication
- Reducing Adverse Delivery Outcomes through Teleneonatology
- Confidence and Performance in care of transgender patients
- Improving resident newborn knowledge through simulation in the pediatric emergency department
- Code Cart Quality Improvement
- Global Health History training for Medical Students and Interns
- Rapid Cycle Deliberate Practice for the Neonatal Resuscitation Program
- Education and Training on the use of the Epi-Pen
- Use of Simulation to Improve Orthopedic Resident's Knowledge of Medical Complications
- Use of Simulation to Teach Residents Processing of Evidence in Child Abuse
- Assessing & Improving CPR using a Novel CPR Feedback Device EXPRESS (Examining Pediatric Resuscitation Education with Simulation and Scripting) - multicenter project
- Prospective Description Pediatric Intubation Experiences (POISE) Multicenter Lumbar Puncture project
- Assessment of Pediatric Medical and Trauma Resuscitations
- Simulation to Enhance Medical & Nursing Student Learning
- Medical Education Regarding Grandparent Caregivers and Pediatric Care
- Pediatric Cardiopulmonary Arrest in the OR
- Responses of Participants in a Teen Trauma Prevention Program Observing a Simulated Trauma Experience
- Disaster Medical Assistance Team Training Using High Fidelity Medical Simulation (DMAT)
- Hyperventilation in Pediatric Resuscitation: Performance of Code Team Members at Simulated Pediatric Emergencies
- Teaching Fellows to Teach through the Use of Simulation
- Teaching Parents of Home Vent Children with Simulation
- Pediatric Medical and Trauma Resuscitation Survey
- Case Selection in Simulation Education
- The Impact of ACGME 2011 Resident Work Hour Rules
- Medical Decision-Making Among Residents During Simulated Patient Experience
- The Use of High Fidelity Simulation in Genetic Counseling and Genetic Medical Education
- Treatment of Hyperkalemia in Patients with Renal Failure
- Teaching Residents How to Diagnose, Treat, and Manage Pediatric Patients with Diabetic Ketoacidosis using Simulation-based Education
- Delivery of Bad News: A Simulation Enhanced Curriculum
- Cervical Spine Immobilization Methods
- Pediatric Resident Survey of their Self-Perceived Competency and Knowledge Regarding Anaphylaxis and Epinephrine Auto-Injectors
- The Use of Simulation for Parent Tracheostomy Education