

Children's Education and Research Committee  
Internal Research Grant Program Awardees 2008-2016

Study Title	Principal	Co- Investigator	Department	Award
Trends in point-of-care ultrasound use, billing, reimbursement in the emergency department	Kelly Bergmann		Emergency Dept.	9/15/2016
Transformation of single ventricle diagnostics	B. Kelly Han			9/15/2016
Neurally adjusted ventilary assist (NAVA) vs conventional biphasic positive end expiratory pressure (BiPAP) non-invasive respiratory support in infants, postoperative congenital heart surgery	Gretchen McGuire		CVCC	9/15/2016
Pleuropulmonary blastoma treatment and biology protocol	Kris Ann Schultz		Hem/Onc	9/15/2016
Novel therapeutics of DICER1-realted tumors	Kris Ann Schultz		Hem/Onc	9/15/2016
Preventing procedural distress during facial laceration repair: which procedural support practices are a cut above the rest?	Michael Scribner-O'Pray		Emergency Dept.	9/15/2016
The use of magnetoencephalography and magnetic resonance spectroscopy to investigate potential biomarkers for pediatric concussion: a multi-modal imaging pilot	Robert Doss		Epilepsy	4/1/2015
High-Frequency Chest Wall Oscillation Therapy Adherence: Utilization of Novel Data Reporting Technology to Measure Adherence among Children and Adolescents with Chronic Illness	Robert McNamara		CVCC	4/1/2015
Measuring Health Utilization, Cost, and Burden of Illness in Caring for a Child with a Complex Chronic Condition at Home	Andrea Postier	Kaci Osenga	Pain and Palliative Care	4/1/2015
Improving outcomes for youth visiting the Emergency Department with mental health issues	Gretchen Cutler		Emergency Dept.	4/1/2015
Impact of solid ankle foot orthoses on physical function in children with chemotherapy-induced peripheral neuropathy	Lynn Tanner		Physical Therapy	4/1/2015
Use of text messages to improve care for children following an ED visit for asthma	Heidi VanderVelden	Anupam Kharband	Emergency Dept.	4/1/2015
Use of text messages to improve care for children following an ED visit for asthma	Anupam Kharbanda		ED	10/1/2014
Randomized controlled trial of nebulized N-acetylcysteine for treatment of meconium aspiration syndrome	Andrea Lampland		Neonatology	9/1/2014
The use of magnetoencephalography and magnetic resonance spectroscopy to investigate potential biomarkers for pediatric concussion: a multi-modal imaging pilot	Robert Doss		Epilepsy	9/1/2014
Implication of a specialized speech interpreter training on assessment times and speech therapy outcomes for spanish speaking children	Melanie Gylling		Interpreter Services	9/1/2014
Benign lactic acidosis, its incidence and impact on children and adolescents following surgery for congenital heart disease	Robert Horvath		CVCC	9/1/2014
Integrated newborn screening approach for congenital CMV infection in hearing-impaired newborns	Timothy Lander		ENT	9/1/2014
Prediction of pediatric concussion patients at increased risk for prolonged post-concussive syndrome using a Wii balance board	Henry Ortega		ED	9/1/2014

Improving functional mobility in children with neurological impairments: A pilot study on the effect of inclusion of hippotherapy into the rehabilitation plan of care	Kathryn Greaves		Physical Therapy	5/1/2014
Does the congenital pulmonary airway malformation volume ratio (CVR) correlate with lesion progression and pulmonary outcome in fetuses with congenital pulmonary airway malformations?	Brad Feltis		Surgery	3/1/2014
A Comparison of Postoperative Tramadol Versus Acetaminophen/Codeine in Children Undergoing Tonsillectomy	Stefan Friedrichsdorf	James Sidman	Pain and Palliative Care	2/1/2014
RAM cannula versus conventional Binasal prong CPAP to treat respiratory distress in low birth weight neonates	Neil Mulrooney	Andrea Lampland	Neonatology	1/1/2014
Physiological effects of inspiratory vs expiratory tidal volume targeting in a newborn animal model	Andrea Lampland		NICU	1/1/2014
Are lung-to head ratios in patients with congenital diaphragmatic hernia predictive of the need for ECMO or neurodevelopmental outcomes in follow-up beyond 18 months of age?	Ellen Bendel-Stenel		NICU	1/1/2014
Training providers on issues of race and racism to improve health care equity	Stephen Nelson		Hem/Onc	1/1/2014
Pro-Calcitonin for early detection of septic arthritis	Anupam Kharbanda		Emergency	12/1/2013
Parasternal nerve block using Ropivacaine for postoperative analgesia in children undergoing cardiac surgery: a prospective double-blind, randomized, controlled trial	Frank Moga	Stefan Friedrichsdorf	Heart Clinic	11/1/2013
Clinical outcomes in pediatric patients with CFTR-related Metabolic Syndrome	Renee Temme		Genetics	11/1/2013
Center for the Treatment of Eating Disorders Outcomes Study	Beth Brandenburg		Eating Disorders Clinic	4/1/2013
Utility of Serum D-Dimer for Predicting Clinically Important Traumatic Brain Injury in	Sam Reid	Heidi Vander	Emergency	8/1/2012
Decreasing Propofol Injection Pain by Pre-Treatment with Lidocaine in Pediatric Procedural Sedation	Didima Mon-Sprehe	Patricia Scherrer		8/1/2012
Deletion and Frequency of Renal Anomalies in 22Q.11.2 Deletion Syndrome	Sarah Dugan	Renee Temme	Genetics	8/1/2012
A Clinical Decision Rule for the Use of Radiography in the Evaluation of Suspected Clavicle Fractures	Sam Reid	Heidi Vander Velden	Emergency	8/1/2012
Two-Pull Carbon Fiber Solid Ankle Foot Orthotics Versus Serial Casting in the Treatment	Nicole Brown		Physical	8/1/2012
Gang Raped Versus Sexually Exploited Girls' Experiences of Victimization Risk Behaviors, Resiliency Attributes and Legal Outcomes	Laurel Edinburgh	Julie Pape Blabolil	MCRC	8/1/2012
Probiotics in the Treatment of Iron Deficiency in Children with Restless Leg	Gerald Rosen		Sleep	12/1/2011
Cytokines and the Effect of Sleep in Children with Acute Lymphoblastic Leukemia	Yoav Messinger	Gerald Rosen	Hem/Onc	12/1/2011
Adequacy of Pain Management in Children Discharged from the Emergency Dept After	Henry Ortega	Sam Reid	Emergency	12/1/2011
Animated Picture to Improve Provider Adherence to CT Scan for Head Injury Rule	Olufinmilayo Salami		Emergency Dept.	11/1/2011
Pediatric Palliative Care Service Underutilization: A Mixed Methods Study Exploring Accessibility of Caregiver Coping	Andrea Nugent	Kaci Osenga, Stacy Remke, Stefan Friedrichsdorf	Pain and Palliative Care	11/1/2011

Evaluation of Sleep in Children and Adolescents with Cystic Fibrosis	Keith Cavanaugh	John McNamara	Pulmonary	11/1/2011
Implementation of a Clinical Decision Rule for Children with Acute Abdominal Pain	Manu Madhok	Anupam Kharbanda	Emergency Dept.	11/1/2011
Development of a Cough Reflex Sensitivity Test for Children with Motor and/or Cognitive Delay	Stephen Kuracheck	Brooke Moore		11/1/2011
A Comparison of Postoperative Tramadol Versus Acetaminophen/Codeine in Children Undergoing Tonsillectomy	Stefan Friedrichsdorf	James Sidman	Pain and Palliative Care	11/3/2010
A homebased computerized working memory intervention (CogmedRM) for childhood	Bonnie Carlson-Green			10/1/2010
Nitrous Oxide for Acute Pediatric Migraine Pain Management in the Emergency Room	Anna Karpas		Emergency Dept.	10/1/2010
Effects of Inspiratory vs Expiratory Tidal Volume Targeting in an Animal Model of Surfactant Deficiency	Andrea Lampland		Neonatology	10/1/2010
Immunoreactive Trypsinogen in Infants with Intestinal Perforation	Nicole Birge	Nina Perdue	Neonatology	9/1/2010
The Effectiveness of Animal Assisted Therapy for Children Hospitalized in a Pediatric Setting	Nicole Iammatteo			9/1/2010
End of Life Care of Children with Cancer: Bereaved Parent's Perspectives	Stefan Friedrichsdorf		Pain and Palliative Care	1/1/2009
Epilepsy Surgery Outcome data base Project	Jason Doescher, MD		Epilepsy	8/1/2008
Cystic Fibrosis Core Strengthening and Respiratory Exercise Program (CSREP)	Katie Fenlon			7/1/2008