

2019 NIF Grant Award Recipients

Principal Investigator	Designation	Site	Program/Theme	Project Title/Summary	Awarded	Term
March 2019						
Dr. Michelle Bathish	MD	MCH	McMaster Children's Hospital	Rheum 4 Kids @MAC: A Novel Transition Approach to Adult Care. This project will study the use of a simple app called My Transition which should help teenagers get ready for transition to adult care and manage their disease.	\$47,000.00	18 months
Dr. Briano Di Rezze	PhD	MUMC	McMaster Children's Hospital - Mental Health	Construct Validity Testing of the Autism Classification System of Functioning: Social Communication across Children with Autism Spectrum Disorder. The ACSF:SC is a validated strengths-based tool developed for preschool children with ASD to provide a common language between parents and clinicians, and can identify groups of children with similar abilities for clinical practice and intervention research. The proposed project will be focused on validity testing of the ACSF:SC across all age groups (ages 2-18).	\$50,000.00	18 months
Dr. Mohamed Eltorki	MD	MCH	McMaster Children's Hospital - Acute Care	Quality Improvement Study Of An Emergency Department Advanced Nursing Directive For Appendicitis (And-App). A Quality Improvement study to facilitate and expedite the care of children with suspected appendicitis using an advanced nursing directive that will assist nurses in initiating all the investigations including abdominal ultrasound, pain control and intravenous fluids prior to physician initial assessment.	\$50,000.00	18 months
Jillian Halladay	RN	MCH	McMaster Children's Hospital - Mental Health	The CAMP Study: Exploring Cannabis and Alcohol Use Among An Acute Clinical Sample of Youth. The CAMP study seeks to determine if cannabis and alcohol use among youth who come to the hospital for mental health concerns are related to: (1) how severe and complicated their symptoms are, and (2) their treatment outcomes.	\$37,000.00	18 months
Dr. Matthew Lanktree	MD, PhD	HGH	Adult Specialty Services	Discovery of Inherited Contributors to Diabetic Kidney Disease. This study will collect a sample of patients with diabetic kidney disease, but with short duration of diabetes and utilize a collaborative, multidisciplinary approach to apply the latest genetic and computational methods to improve diagnostic and prognostic precision in patients with diabetic kidney disease.	\$50,000.00	18 months
Dr. Kanjana Perera	MD	HGH	Cardiac & Vascular	Combination Antithrombotic Treatment For Prevention Of Stroke Due to Intracranial Atherosclerotic Disease. Stroke is a large and growing burden causing death and functional impairment. Narrowing of the blood vessels, that take blood to the brain by plaque is a very common cause of stroke. When parts of the brain does not get enough blood, brain cells die. This study will seek to pioneer a new treatment for prevention of stroke that occur from narrowing of brain arteries.	\$41,000.00	18 months
October 2019						
Dr. Alexander Benz	MD	HGH	Cardiac & Vascular	Impact of Short-Course Colchicine Versus Placebo After Pulmonary Vein Isolation (IMPROVE-PVI). Atrial fibrillation is the most common heart rhythm disorder worldwide. Catheter ablation is a widely used method to restore normal heartrhythm. However, the procedure fails in about one out of three patients. Inflammation is associated with failure of the procedure. This is why drugs that target inflammation, such as colchicine, may improve the success rate of catheter ablation. This pilot study will show whether a large trial testing a 10-day treatment with colchicine in order to improve the success rate of catheter ablation for atrial fibrillation is feasible.	\$40,000.00	18 months
Dr. Sarah Khan	MD	MCH	McMaster Children's Hospital - Acute Care	APPrUV: Antibiotic Prophylaxis to Prevent post-procedure UTI after VCUG. Voiding cystourethrogram (VCUG) is a test used to diagnose pediatric urologic conditions, including vesicoureteral reflux. The purpose of this project is to conduct a blinded, placebo, controlled randomized pilot trial to assess the feasibility of a full-scale trial to determine if pre-procedure antibiotic prophylaxis reduces the risk of UTI in children undergoing VCUG.	\$40,000.00	18 months
Dr. Hira Mian	MD	JCC	Oncology	Pilot Study of an Oral Chemotherapy Teaching Tool to Improve Adherence in Patients with Multiple Myeloma. Oral chemotherapy is increasingly being used to treat myeloma; however, adherence to oral chemotherapy in myeloma is suboptimal. This pilot study will aim to test the feasibility, acceptability and preliminary efficacy of a structured chemotherapy teaching tool (MOATT) in patients with myeloma starting oral chemotherapy pills at the Juravinski Cancer Center. They will also aim to understand the adherence rate and factors associated with poor adherence to oral myeloma chemotherapy.	\$50,000.00	18 months
Dr. Joyce Obeid	PhD	MCH/MUMC	McMaster Children's Hospital - Acute Care	Rheum 2 Play: Design, Implementation, And Evaluation Of A Toolkit To Improve Fundamental Movement Skills In Juvenile Idiopathic Arthritis. Children with arthritis are diagnosed in the early years, at a time when they are learning fundamental movement skills like running, throwing, or catching a ball. These skills are essential for optimal growth and development, but the pain and swelling that comes with arthritis often makes it impossible for young kids to practice and get better at these skills. To help make sure that children with arthritis develop the right skills at the right times, a research study was developed called Rheum 2 Play, where working with parents and physiotherapists to create a similar toolkit but one that is tailored to young kids with JIA to help them develop these important movement skills.	\$45,000.00	18 months
Dr. Samira Samiee-Zafarghandy	MD	MCH/MUMC	McMaster Children's Hospital - Neonatal ICU	Pharmacokinetics, Pharmacodynamics and Pharmacogenomics of Inhaled Budesonide in Premature Infants at Risk for Development of bronchopulmonary Dysplasia, a Feasibility Study. Bronchopulmonary dysplasia (BPD) is a serious lung condition that can affect up to 80% of extremely premature infants and is linked to long-term problems. Studies have shown inhaled budesonide can bring down the risk for development of BPD. However, it can also cause serious side effects if used in high doses. This studies aim is to discover how premature infants metabolize inhaled budesonide and if the current dosing standards create high levels of steroids in the blood.	\$35,000.00	18 months
Dr. Jorge Wong	MD	HGH	Cardiac & Vascular	Bariatric surgery for the Reduction of Cardiovascular Events pilot randomized trial (BRAVE). Obesity is a big risk factor for cardiovascular disease (CVD). It is very common in patients with CVD, and it may worsen health outcomes in patients with CVD. This study is to carry out a small pilot study to show that it is possible to carry out a study of bariatric surgery in obese patients with high-risk CVD. If shown that the pilot is feasible, then the next step is a large randomized study to prove that bariatric surgery can reduce deaths in patients with obesity and CVD.	\$40,000.00	18 months
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