

2017 NIF Grant Award Recipients

Principal Investigator	Designation	Site	Program/Theme	Project Title/Summary	Awarded	Term
March 2017						
Dr. Rahul Chanchlani	MD	McMaster Children's Hospital	Pediatric	Incidence And Outcomes Of Acute Kidney Injury Requiring Dialysis In Neonates And Children In Ontario- This study will demonstrate the risk of long-term complications such as chronic kidney disease, hypertension and death among children with Acute Kidney Injury (AKI) requiring dialysis in Ontario compared to children without AKI over a period of 20 years which will help in providing key information in counselling patients and families.	\$50,000.00	18 months
Dr. Briano Di Rezze	PHD	McMaster Children's Hospital	Pediatric	Autism Classification System of Functioning: Social Communication- Expansion and Testing for Toddlers- 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. This work will impact on ASD services across disciplines, and foster partnerships between families, clinicians and McMaster researchers (MacART).	\$35,000.00	18 months
Dr. Colin Kretz	PHD	General Hospital	Cardiac and Vascular	Mutational Landscape of Von Willebrand Disease- This research proposal seeks to fill the gap between genomics and Von Willebrand disease (VWD), in an effort to streamline diagnosis, and predict disease severity in patients before life-threatening bleeding events occur.	\$35,000.00	18 months
Dr. Pual Kruger	MD	Gernal Hospital	Cardiac and Vascular	Reversal Of The Antiplatelet Effects Of Ticagrelor In Combination With Aspirin, Using Normal Platelets (REVSTARTS)- This study builds on previous work undertaken at PHRI to investigate the reversal of aspirin and clopidogrel therapy. The results of this study will guide management of patients who take ticagrelor and who present with bleeding or who require urgent surgery.	\$35,000.00	18 months
Dr. Amit Mukerji	MD	MUMC	Pediatric	Non-Invasive Respiratory Support In Preterm Infants: A Pilot Randomized Controlled Trial- This study will pave the way for a larger and definitive trial that may revolutionize the way we give breathing support to some of the most vulnerable patients in our care at HHS.	\$45,000.00	18 months
Dr. Sameer Parpia	PHD	MUMC	Cardiac and Vascular	Improved Use Of D-Dimer In The Diagnosis Of Deep Vein Thrombosis; An International Collaboration Using Ipd- This study will build on many previous blood clot diagnostic studies that have been done at HHS and McMaster.	\$6,000.00	18 months
Dr. Deborah Siegal	MD	The David Braley (DBCYSRI)	Cardiac and Vascular	Small-Volume Tubes To Prevent Anemia And Reduce Transfusion (START): A Pilot Study- This pilot study will evaluate the feasibility of using blood sample tubes that collect less blood to see if we can reduce anemia and transfusion in ICU patients. Results of this pilot study will be used to plan a larger definitive study.	\$16,500.00	18 months
October 2017						
Dr. Anthony Bozzo	MD	Juravinski	Oncology	Prediction of Fracture Risk In Metastatic Bone Disease. The current tool to predict fracture risk was developed in 1989 and does not consider important variables like what type of cancer is involved. This study will use new machine learning technology, the same technology that powers driverless cars, to develop a model that can accurately predict fracture risk and help offer patients the best treatment possible.	\$38,000.00	18 months
Dr. Elysia Donovan	MD	Juravinski	Oncology	A Phase II Trial of Standard 3D Radiotherapy Plus Sterotactic Boost for Metastatic Spinal Cord Compression. This study aims to determine whether Sterotactic Boost (SBRT) is useful in improving the number of patients with Spinal Cord Compression (SCC) who are able to walk and function independently, and have controlled pain and improved quality of life as a result of their radiation treatments.	\$46,000.00	18 months
Dr. Saurabh Gupta	MD	General Hospital	Cardiac and Vascular	Appropriate Dual Antiplatelet Therapy Prescription for Patients Diagnosed with Acute Coronary Syndrome. This study is trying to show the trends in medications prescribed to heart attack patients over time. The aim is to see the impact of guidelines and new studies - over time - on prescribing practices. The idea is to determine how well guidelines are followed and what can be done to improve adherence. To demonstrate the barriers that physicians and surgeons feel deter them from prescribing appropriate medication to heart surgery patients, and work on plans to overcome these.	\$48,000.00	18 months
Michelle Kameda	MD	General Hospital	McMaster Children's Hospital /Oncology	National Multi-Centered Study of the Surgical and Imaging Features Associated with Cerebellar Mutism. This study will primarily aim to demonstrate that a relationship exists between brain scan finding and the development of cerebellar mutism, and specific decisions during the surgery and the development of cerebellar mutism. Also, to demonstrate that there are patient and tumour characteristics that is also associated with a higher risk of development of cerebellar mutism.	\$30,000.00	18 months
Dr. Joyce Obeid	PhD	MUMC	McMaster Children's Hospital	Motivated to Move: A Randomized Pilot Study to Determine the Feasibility of Self-Monitoring on Self-Perceptions towards Physical Activity in Youth. The aim is to learn more about the best ways to motivate kids with a medical condition to be more active. People set goals and then keep track of when they meet that goal. We think that we can help kids be more interested and motivated, and less likely to avoid being active, if they can set their own goals, and keep track of how often they meet their goals using a personal activity monitor.	\$44,500.00	18 months
Dr. Siavash Piran	MD	General Hospital	Cardiac and Vascular	Apixaban Versus Low-Molecular Weight Heparin for Thromboprophylaxis In Patients with Acute Spinal Cord Injury. There are no studies using apixaban in patients with spinal cord injury. The aim is to compare apixaban with low-molecular weight heparins in preventing blood clots in patients with spinal cord injury.	\$17,600.00	18 months
Dr. Jorge Wong	MD	General Hospital	Cardiac and Vascular	Role of Silent Atrial Fibrillation in Hospital Readmission for Heart Failure. This study has two main goals. The first is to determine how common silent atrial fibrillation is in patients who have just been discharged from hospital after an admission for heart failure. The second, to determine if silent atrial fibrillation increases the chances of a hospital re-admission for heart failure within 30 days of the first admission.	\$50,000.00	18 months
TOTAL AWARDED					\$496,600.00	