The **Division of Pediatric Cardiology** provides comprehensive care for children with heart disease, conducts seminal research, and oversees a nationally recognized training program.

Under the direction of Gerald Greil, M.D., Ph.D., the Division provides services at Children’s Medical Center Dallas and Children’s Medical Center Plano in:

- Outpatient clinics (~12,000 visits/year).
- A 22-bed inpatient telemetry floor dedicated to cardiac patients.
- A 28-bed dedicated Cardiac Intensive Care Unit.
- Two catheterization laboratories for diagnostic and interventional procedures, including catheter ablation.
- A 1.5T cardiac MRI scanner fully dedicated to Pediatric Cardiac Imaging with and without general anesthesia. The close proximity of this scanner to the cardiac catheterization laboratory allows combined MRI – cardiac catheterization procedures (XMRI).
- All imaging facilities are in close proximity to the OR allowing intra- and perioperative assessment of surgical and cardiac catheterization procedures.
- An echocardiography suite, including special areas for fetal echocardiography, as well as a complete non-invasive monitoring laboratory.

### Division Faculty

The Division has 24 pediatric cardiologists, each with a special area of expertise, including critical care medicine, interventional catheterization, electrophysiology, advanced imaging including echocardiography and fetal echocardiography, cardiac Magnetic Resonance Imaging (MRI) and Computed Tomography (CT), cardiac transplantation, heart failure, prevention, and adults with congenital heart disease. Five faculty joined the Division in 2020. The Division also now has two Full-time Research Faculty.

**Melinda Cory, M.D.**

**Assistant Professor**

- **B.A.** Business Administration, *summa cum laude*
  Baylor University, Waco, TX, 2008
- **M.D.**
  UT Southwestern Medical Center, Dallas, TX, 2012

**Postdoctoral Training**

- Residencies, Pediatrics
  UT Southwestern, 2012 – 2015
- Fellowship, Pediatric Cardiology
  Emory University, Atlanta, GA, 2015-2018
- Fellowship, Critical Care
  Emory University, Atlanta, GA, 2018-2020

**Interests:** Cardiac critical care, medical education, using simulation for education and process improvement
Chioma Duru, M.D.
Assistant Professor

B.S., Biology;  
The City College of New York (CUNY), New York City, NY, 2009
M.D.  
State University of New York Downstate Medical Center, Brooklyn NY, 2013

Postdoctoral Training  
Residency, Pediatrics  
Hofstra University, Hempstead, NY 2013 – 2016  
Fellowship, Pediatric Cardiology  
Western Reserve University School of Medicine, Cleveland, OH, 2016 – 2019  
Fellowship, Pediatric Interventional Cardiology  
Nicklaus Children’s Hospital, Miami, FL, 2019 – 2020

Interests:

Joshua Greer, Ph.D.
Instructor

B.S. Biomedical Engineering;  
Texas A&M, College Station, TX, 2013
Ph.D. Biomedical Engineering  
UT Southwestern, Dallas, TX, 2018

Postdoctoral Training  
Postdoctoral Researcher, Cardiac MRI  
UT Southwestern, Dallas, TX, 2018 – 2020

Interests: MRI sequence development, non-contrast lung perfusion imaging using arterial spin labeling, blood oxygen saturation mapping, iCMR real-time catheter guidance

Hoang Nguyen, M.D.
Assistant Professor

B.S., Biology; B.A., Music, magna cum laude  
D’Youville College, Buffalo, NY, 2005
M.D.  
Saint Louis University School of Medicine, St. Louis, MO, 2009

Postdoctoral Training  
Residency, Pediatrics  
Washington University in St. Louis School of Medicine, St. Louis, MO, 2012  
Fellowship, Pediatric Cardiology  
Washington University in St. Louis School of Medicine, St. Louis, MO, 2015  
Fellowship, Pediatric Electrophysiology  
Washington University in St. Louis School of Medicine, St. Louis, MO, 2016

M.S.  
Clinical Research, Rush University, Chicago, Chicago, IL, 2019  
Analytics, University of Chicago, Chicago, IL, 2020

Interests: arrhythmias; catheter ablation; cardiac rhythm device implantation; machine learning, deep learning, and artificial intelligence; out of hospital cardiac arrest; inherited cardiac channelopathies; cardiac involvement in Rett syndrome; genetics of congenital heart disease
Alyssa Power, M.D.
Assistant Professor

M.D.
McGill University, Montreal, QC, 2013

Postdoctoral Training
Residency, Pediatrics
University of Calgary, Calgary, AB, 2013 – 2016
Fellowship, Pediatric Cardiology
University of Toronto, Toronto, ON, 2018 – 2019
Fellowship, Pediatric Advanced Heart Failure and Transplantation
Stanford University, Stanford, CA, 2019 – 2020

Interests: hypertrophic cardiomyopathy, pediatric heart transplant allocation, and medical education

Honors / Awards

Best Pediatric Specialists in Dallas, *D Magazine*
- Ryan Butts
- Catherine Ikemba
- Matthew Lemler
- Claudio Ramaciotti
- Thomas Zellers

*Texas Super Doctors, Texas Monthly*
- Catherine Ikemba
- Matthew Lemler
- Claudio Ramaciotti
- William Scott
- Animesh Tandon (Texas Rising Star)
- Surendranath Veeram Reddy

*Joshua Greer Ph.D.*:
- ISMRM Summa Cum Laude Merit Award - International Society for Magnetic Resonance in Medicine Pediatrics
- Best Pediatrics abstract finalist - International Society for Magnetic Resonance in Medicine Pediatrics

*Catherine Ikemba, M.D.*:
- UT Southwestern Leaders in Clinical Excellence Awards - Patient and Family Recognition Award

*Surendranath Reddy*:
- Distinguished Alumni Award - Hurley Medical Center/Michigan State University
Conference Presentations

SCMR (Society for Cardiovascular Magnetic Resonance) 23rd Annual Scientific Sessions
Orlando, FL, February 2020

Blair Z, Mittelstaedt E, Castellanos DA, Greer JS, Philips S, Postersnak A, Reddy SRV, Hussain T
Poster Presentation, “Clinical utility of T2-weighted lymphangiography and 3D whole-heart bSSFP in a child with plastic bronchitis treated with thoracic duct occlusion”

Gooty V, Greer JS, Arar Y, Blair Z, Castellanos DA, Hussain T.
Oral Presentation, “Evaluation of the lymphatic pathway in congenital heart disease using T2-weighted and 3D wholeheart bSSFP MRI”

Oral Presentation, “Overlay Visualization to Improve Diagnostic iCMR Guidance in Congenital Heart Disease.”

Oral Presentation, “iCMR Selective Angiography in Congenital Heart Disease.”

Greil GF.
Moderator: “Session: Live Case: iCMR Live Case”

Greil GF.
Presentation, “CMR in Systemic Inflammatory Disorders: Don’t forget the Heart: Kawasaki Disease and Other Vasculitides: Current Role of CMR and New Developments”

Hussain T.
Case Review Presentation, “Interventional Cardiac MRI”
Oral Presentation, “Ventricular Shape: How do I Describe it and Does it Matter?”

Reddy SRV.
Case Review Presentation, “Live Case Presenter Balloon Pulmonary Valvuloplasty Intervention with MRI guidance. (First in Human in the United States)”
Oral Presentation, “CMR Left Heart Catheterization”

ISHLT (International Society of Heart and Lung Transplantation) Annual Meeting
Montreal, Canada, April 2020

Sutcliffe D.
Oral Presentation, “Carvedilol does not improve exercise performance in Fontan patients: Results of a cross over trial”
**ISMRM (International Society for Magnetic Resonance in Medicine) 28th Annual Meeting**

Virtual, August 2020

**Greer JS**, Castellanos DA, Arar A, **Reddy SRV**, Greil GF, Xi Y, Madhuranthakam AJ, **Hussain T**


**Greer JS**, Wang Y, Zhou L, **Hussain T**, Madhuranthakam AJ.

Poster Presentation, “Robust non-contrast pulmonary perfusion imaging using pseudo-continuous arterial spin labeling with background suppression”

Wang Y, Zhou L, **Greer JS**, Pinho M, Maldjian J, Madhuranthakam AJ.

Poster Presentation, “Optimization of k-space Filtering for Compensating T2 Blurring in 3D ASL-MRI: Application to GBM”

Wang Y, Zhou L, **Greer JS**, Pinho M, Maldjian J, Madhuranthakam AJ.

Poster Presentation, “Variable Density Sampling of 3D TSE Cartesian Acquisition for Improved Robustness and SNR of ASL-MRI”

**SCAI (The Society of Cardiac Angiography and Interventions) Sessions (Virtual)**

Atlanta, GA May 2020

Arar Y, Dimas V, Mittelstaedt E, Nugent AW, **Veeram Reddy SR**, Zellers TM, Herbert C


Mittelstaedt E, Herbert C, Arar Y, **Veeram Reddy SR**, Zellers TM, Dimas V


**International Society for Optics and Photonics – Medical Imaging**

Houston, TX, February 2020


Presentation “How well do U-Net-based segmentation trained on adult cardiac magnetic resonance imaging data generalize to rare congenital heart diseases for surgical planning?”

Tran C, Halicek M, Dormer J, **Tandon A**, Hussain T, Fei B.

Presentation “Fully automated segmentation of the right ventricle in patients with repaired Tetralogy of Fallot using U-Net”

**Other Conferences**

Bano M.

American Heart Association Scientific Sessions, Virtual, November, 2020

Oral Presentation, “Annual Transplant Volume Does Not Affect Center Specific Mortality- A PHTS Database Study”
Annual Update on Pediatric and Congenital Cardiovascular Disease, Orlando, FL, February, 2020

Chabiniok R, Greer JS, Castellanos DA, Dillenbeck J, Greil GF, Reddy SRV, Hussain T.
Virtual Physiological Human, Paris, France (Virtual), August, 2020
Poster Presentation “Volume administration challenge in single-ventricle patients combined with biomechanical modeling.”

Zellers TM, Daneman S, Butts R.
CareDX Virtual Events. ATC Abstract sessions, June 2, 2020
“Allomap testing in a Pediatric Heart Transplant Program.”

Education and Training

The Division is dedicated to the training of medical students, residents, and fellows.

Medical Students

- Third-Year Pediatric Rotations:
  - Cardiology inpatient rotations with three medical students throughout the year
  - Pediatric Cardiology Clinic Days
- Fourth-Year Electives in Pediatric Cardiology:
  - Cardiac Outpatient Clinic Rotation
  - Cardiac Intensive Care Unit Rotation
  - Cardiac Imaging Rotation (MRI, CT, echocardiography)

Residents

The Division of Pediatric Cardiology plays a major role in the training of pediatric residents. Training occurs at many levels.

- Inpatient Training:
  - Three interns and one senior resident typically participate on the cardiology inpatient service, caring for patients on a 22-bed cardiology floor with the supervision of the attending cardiologist
  - An elective is available for residents to rotate in the Cardiac Intensive Care Unit
- Outpatient Training:
  - One or two second- or third-year residents are typically training in the Cardiology Outpatient Clinic under the supervision of the attending cardiologists
Fellows

The Pediatric Cardiology fellowship currently accepts three trainees per year in the categorical program. Many fellows choose to complete a fourth year to pursue a specialized clinical interest. All pediatric cardiology faculty are actively involved in the fellows' training. In addition to the standard three-year Fellowship Program, we offer up to six qualified fellows additional fourth-year training programs in cardiac critical care, interventional cardiology, advanced cardiac imaging, electrophysiology, heart transplantation, preventive cardiology, prospective clinical research, and basic research. The structure of these experiences depends on the interests and skills of the individual fellow. Categorical fellows rotate through cardiac outpatient, inpatient, critical care, preventive cardiology, adult congenital heart disease, cardic catheterization, electrophysiology, echocardiography, MRI and cardiac transplantation. They also spend up to one year participating in clinical, translational, or basic science research. The program provides fellows the training, tools, and philosophy necessary for advancing the field of pediatric cardiology within their areas of choice. All pediatric cardiology faculty members are actively involved in the fellows' training.

Research Activities

Members of the Division of Pediatric Cardiology are engaged in multiple research projects to advance the care of children with heart disease.

Basic Science

An exciting new area of investigation is the development of biodegradable stents for use in the cardiovascular system. Current research is directed at an evaluation of the tissue response to these materials in animals. Cardiopulmonary bypass is known to have adverse effects on neurologic development, but a clear understanding of the mechanisms is lacking. Using a mouse model of bypass, investigation is underway to evaluate biomarkers of injury.

Another new area of investigation is to optimize cardiovascular support therapy for pediatric patients with end stage heart failure. Currently the only ventricular assist devices available require surgical placement. Researchers are investigating in an animal model the feasibility of a catheter delivered devise. One additional animal research area is the optimization of technologies for fetal intervention.

In close cooperation with the Department of Radiology faculty have access to the Advanced Imaging Research Center at UT Southwestern. This gives staff members access to novel cardiovascular research technology to contribute to existing research as well as opportunity to design their individual research projects.

Clinical Sciences

The Pediatric Cardiology Division participates in multiple multicenter trials. In interventional catheterization, current trials are assessing various devices, and management of coarctation, including the placement of stents. It is anticipated that a recently completed multicenter trial of athletic screening processes will be used for a broader national evaluation.

The Division is contributing to a quality initiative to assess the care of patients with hypoplastic left heart syndrome. A multicenter effort is also underway to evaluate the use of ventricular assist devices in the pediatric population.

Collaborative studies within the Department of Pediatrics include protocols to evaluate stroke, migraine, and complications of sickle cell disease and childhood cancer.

Ongoing areas of research interest include epidemiologic studies of congenital heart disease, particularly within the state of Texas, natural history studies of patent ductus arteriosus in pre term neonates; evaluation of renal function with heart catheterization, markers for cardiac transplant rejection, development of new techniques for pediatric cardiovascular MRI; 3D printing and modeling of congenital heart disease; and using cutting-edge wearable sensors, combined with innovative big data techniques, to improve monitoring of children with heart disease while at home.
**Clinical Activities**

The Pediatric Cardiology division offers a comprehensive program of specialized care at the Heart Center at Children’s Health℠ for children with congenital and acquired heart diseases, and children with congenital heart disease who have become adults. The Heart Center’s team of professionals includes cardiologists, cardiac surgeons, cardiac intensivists, neonatologists, and cardiac anesthesiologists. In addition to providing the highest quality clinical and surgical care, our faculty members are committed to improving the health of children everywhere by sharing innovations and research.

**Inpatient Services**

The inpatient service is divided between the cardiac intensive care unit and the cardiology inpatient floor, which has telemetry capability with central monitoring for all beds. The inpatient floor functions as a “step-down” unit with the capacity to manage higher acuity patients, including those with temporary pacemakers and vasoactive infusions. There are usually 25 patients in the cardiac intensive care unit and 22 patients on the cardiology floor. New consultations average three to five per day.

**Outpatient Services**

Approximately 12,000 cardiology outpatients are seen each year at the Heart Center and regional outreach clinics. Subspecialty cardiology clinics, including heart transplantation, heart failure, arrhythmia, pacemaker, preventive cardiology, Safe-at-Home for post-op single ventricle, aortopathy, coronary artery anomaly, and young adult congenital heart disease, are held on a weekly or monthly basis.

**Preventive Cardiology Clinic**

A preventive cardiology clinic serves children with hyperlipidemia and hypercholesterolemia and children with metabolic syndrome (i.e. obesity, insulin resistance, increased triglycerides, decreased high density lipoprotein, and hypertension). A team of physicians, dietitians, and nurses provides comprehensive physical assessments and dietary evaluations for patients and their families, with the development of individualized programs, including:

- Diet
- Life style modification
- Treatments, including natural as well as prescription medications

**Pediatric Echocardiography Laboratory**

The pediatric echocardiography laboratory at Children’s Health is Intersocietal Accreditation Commission (IAC) accredited for pediatric transthoracic, transesophageal, and fetal echocardiography. Four dedicated sub-specialty trained physicians staff the laboratory and provide coverage 24/7. The team consists of highly trained pediatric sonographers who perform approximately 13,000 studies a year and provides direct services for three primary hospitals and two outpatient sites. In addition, we provide support services for tele-echocardiography at three additional hospitals and four outreach clinics.

The laboratory offers the latest technology including fetal echocardiography, stress imaging, 3 dimensional and strain imaging and provides imaging support for the cardiac operating rooms, ECMO cannulation, and catheterization laboratory.

The laboratory has a strong track record of academic endeavors, including research on congenital coronary artery imaging, identification of rejection in transplanted hearts, strain imaging in postoperative patients and evaluation of single ventricle palliation. We have many successful research collaborations with other divisions in pediatrics including neonatology, hematology/oncology and neurology.
Fetal Heart Program

Our fetal echocardiography program is IAC (intersocietal accreditation commission) certified. Despite the challenges of the COVID 19 pandemic we performed more than three hundred fetal echocardiograms and consultations in 2020 with more than 100 of these patients identified as “Program Patients” or patients with significant congenital heart disease that typically requires intervention in the first year of life. The fetal heart program expertly coordinates prenatal cardiac evaluation and counseling, as well as, pre and post-natal cardiac care to ensure critical congenital heart conditions receive the care they need at precisely the right time. Comprehensive multidisciplinary consultations may include an imaging cardiologist, cardiac nurse, cardiothoracic surgeon, social work, intensive care cardiologist, electrophysiology nurse, neurodevelopmental psychologist, and introduction to our “safe at home” program for interstage single ventricle monitoring program. Thanks to this multidisciplinary team, Dr. Catherine Ikemba, the director of the fetal heart program was awarded the prestigious UTSW Clinical Excellence Award in 2020. Parental education and family support are our priorities. We support the Fetal Heart Society whose mission is to advance the field of fetal cardiovascular care and science through collaborative research, education, and mentorship, as well as, participate in the NPCQIC which is the National Pediatric Cardiology Quality Improvement Collaborative whose mission is to decrease mortality and improve quality of life for all infants with single ventricle congenital heart disease and their families. By supporting and engaging in multi-institutional research and quality improvement projects, we continually striving to improve the quality of our counseling and outcomes.

Patient Statistics

The following statistics include patient visits for Children’s Medical Center Dallas and Children’s Medical Center Plano, as well as our outreach clinics in Abilene, Odessa and Tyler, and Telemedicine which is handled through the Outreach Group.

Cardiology Patient Procedures by Specialization and By Type By Year.

<table>
<thead>
<tr>
<th>Surgical Procedures</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac Operations (Total)</td>
<td>519</td>
<td>730</td>
<td>845</td>
<td>618</td>
</tr>
<tr>
<td>ACHD Operations</td>
<td>30</td>
<td>46</td>
<td>48</td>
<td>31</td>
</tr>
<tr>
<td>Heart Transplant</td>
<td>18</td>
<td>26</td>
<td>20</td>
<td>24</td>
</tr>
</tbody>
</table>

Diagnostic Testing and Cardiac Imaging

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrocardiograms</td>
<td>16,684</td>
<td>12,584</td>
<td>18,511</td>
<td>19,957</td>
</tr>
<tr>
<td>Telemedicine EKGs</td>
<td></td>
<td></td>
<td></td>
<td>665</td>
</tr>
<tr>
<td>Echocardiograms (CMC, CUH, Pkld)</td>
<td>11,741</td>
<td>11,997</td>
<td>13,179</td>
<td></td>
</tr>
<tr>
<td>Telemedicine ECHOS</td>
<td></td>
<td></td>
<td></td>
<td>880</td>
</tr>
<tr>
<td>Fetal ECHO</td>
<td>514</td>
<td>466</td>
<td>472</td>
<td>308</td>
</tr>
<tr>
<td>Holters</td>
<td>867</td>
<td>866</td>
<td>935</td>
<td>825</td>
</tr>
<tr>
<td>Telemedicine Holters</td>
<td></td>
<td></td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Cardiac MRIs</td>
<td>497</td>
<td>757</td>
<td>897</td>
<td>841</td>
</tr>
<tr>
<td>Stress Tests</td>
<td>168</td>
<td>201</td>
<td>173</td>
<td>160</td>
</tr>
</tbody>
</table>

Cardiac Catheterization Procedures

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interventional Cardiac Caths</td>
<td>617</td>
<td>635</td>
<td>653</td>
<td>532</td>
</tr>
<tr>
<td>Biopsy Cardiac Caths</td>
<td>135</td>
<td>99</td>
<td>67</td>
<td>103</td>
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<tr>
<td>Diagnostic Cases</td>
<td>164</td>
<td>161</td>
<td>225</td>
<td>201</td>
</tr>
<tr>
<td>Cathy/MRI Hybrid Cases</td>
<td>5</td>
<td>26</td>
<td>25</td>
<td>15</td>
</tr>
<tr>
<td>EP Studies &amp; Ablation Procedures</td>
<td>84</td>
<td>80</td>
<td>98</td>
<td>141</td>
</tr>
<tr>
<td>Pacemaker, Event Recorder &amp; Defibrillators</td>
<td>26</td>
<td>25</td>
<td>29</td>
<td>24</td>
</tr>
</tbody>
</table>

Outpatient Clinic Patient Encounters

<table>
<thead>
<tr>
<th></th>
<th>Dallas</th>
<th>Plano</th>
<th>Presbyterian-Dallas</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9,108</td>
<td>9,260</td>
<td>8,268</td>
</tr>
<tr>
<td></td>
<td>2,462</td>
<td>2,806</td>
<td>2,379</td>
</tr>
<tr>
<td></td>
<td>106</td>
<td>173</td>
<td>186</td>
</tr>
</tbody>
</table>
Current Grant Support

**Ryan Butts**

**Grantor:** Duke University  
**Title of Project:** Steroids To Reduce Systemic Inflammation After Neonatal Heart Surgery  
**Role:** Principal Investigator  
**Dates:** 07/2017 – 06/2021

**Gerald Greil**

**Grantor:** Synergy  
**Title of Project:** Discovery of New Drugs to Treat Genetic Cardiomyopathy using Patient-Derived Stem Cells  
**Role:** Principal Investigator (Co-Investigators: Bassel-Duby R, Olson E.)  
**Dates:** 04/2020 – 03/2021

**Tarique Hussain**

**Grantor:** Siemens, USA  
**Title of Project:** Biplane Overlay of Cross-Sectional Imaging onto Cardiac Catheterization  
**Role:** Principal Investigator (Co-Investigators: G. Greil)  
**Dates:** 08/15/2018 – 08/14/2020

**Grantor:** UT Southwestern Health System  
**Title of Project:** MRI in Fontan Patients  
**Role:** Principal Investigator  
**Dates:** 11/15/2016 – 11/14/2021

**Grantor:** National Science Foundation  
**Title of Project:** Virtual Reality System to Plan Cardiovascular Interventions  
**Role:** Principal Investigator (Co-Investigators: A. Tandon, B. Lang)  
**Dates:** 09/15/2018 – 02/28/2021

**Grantor:** Novartis Corp  
**Title of Project:** An multicenter, open-label study on CZ696  
**Role:** Principal Investigator  
**Dates:** 07/28/2017 – 7/28/2022

**Grantor:** W. B. & Ellen Gordon Stuart Trust  
**Title of Project:** Improving Treatment and Outcomes for Childhood Survivors of Tetralogy of Fallot: Computational Modeling in Preventive Cardiology  
**Role:** Principal Investigator (Co-Investigators: G. Greil, A. Tandon, S. Reddy, R. Jaquiss)  
**Dates:** 09/2020 – 9/2020

**Grantor:** Communities Foundation of Texas  
**Title of Project:** Computational Modeling for Tetralogy of Fallot  
**Role:** Principal Investigator (Co-Investigators: G. Greil, A. Tandon, S. Reddy)  
**Dates:** 09/2020 – 9/2020

**Grantor:** Inria (French National Mathematics & Computer Science)  
**Title of Project:** International Associate Partners Team  
**Role:** Co-Investigator  
**Dates:** 01/2018 – 9/2021
Lynn Mahony
Grantor: New England Research Institutes
Title of Project: Pediatric Heart Network
Role: Principle Investigator
Dates: 07/01/2019 – 12/31/2020

Kavita Sharma
Grantor: University of California San Diego
Title of Project: Kawasaki Disease Comparative Effectiveness Trial
Role: Principal Investigator
Dates: 02/01/2017 – 01/31/2020

David Sutcliffe
Grantor: Boston Children’s Hospital
Title of Project: Multicenter Randomized Trial of Everolimus in Pediatric Heart Transplantation
Role: Principal Investigator
Dates: 09/15/2017 – 09/14/2020

Animesh Tandon
Grantor: Synergen Technology Labs
Title of Project: Synergen: Pediatric Biosensor Accuracy Testing Versus Inpatient Gold Standards
Role: Principal Investigator
Dates: 12/18/2018 – 06/30/2020

Grantor: National Heart, Lung, and Blood Institute (NHLBI)- EMORY UNIVERSITY SCHOOL OF MEDICINE
Title of Project: Long-term Outcomes after Interventions for Congenital Heart Disease
Role: Site Principal Investigator
Dates: 8/2019 – 08/2023

Grantor: UT Southwestern Center for Translational Medicine Swim with the Sharks Grant
Title of Project: Predictive Analytics to Prevent Adverse Events in The Interstage Period in Infants with Single Ventricle Heart Disease
Role: Principal Investigator
Dates: 09/2018 - 08/2020

Peer-Reviewed Publications


