

In 2020 the Division of Pediatric Gastroenterology at UT Southwestern Medical Center, in partnership with the Children’s Health System of Texas, excelled in its role as the leader in North Texas caring for children with gastrointestinal (GI), pancreatic, and liver disorders. The Division’s ongoing mission is to promote health and a healthy society that enables achievement of every child’s full potential. We fulfill this mission by providing the highest standard of care, advanced clinical programs, innovative training of future healthcare providers, and performing state-of-the-art clinical and translational research.

Under the leadership of Division Chief Bradley Barth, M.D., M.P.H., this nationally recognized division includes distinguished faculty who focus clinical and research efforts on diverse areas of pediatric digestive health. This growing and dynamic group is comprised of 19 faculty members offering inpatient, outpatient, and procedural services. In addition, the Division’s physicians provide supervision to 15 Advance Practice Providers and specialty training to 9 clinical and research fellows.



Bradley Barth, M.D., M.P.H.
Division Chief

Gastroenterology at Children’s Health ranked number 7 in the nation by US News and World Report in 2020 and currently provides clinical services and medical leadership at four practice sites:

1. Children’s Medical Center Dallas
2. Children’s Health™ Specialty Center Plano
3. Texas Health Presbyterian Hospital
4. UT Southwestern/Texas Health Frisco

Clinical activities of the Division include a high volume, high acuity service, with more than 16,000 outpatient visits, 2,000 inpatient admissions and 2,500 procedures per year.

All of these functions are organized in a programmatic fashion into 18 distinct clinical programs:

- Aerodigestive Program
- Anorectal Anomalies
- Celiac Disease
- Childhood Obesity
- Chronic Abdominal Pain
- Cystic Fibrosis Center
- Eosinophilic/Allergic disorders
- Feeding Disorders
- General Gastroenterology
- Hepatology/Liver Transplant
- Non-alcoholic Fatty Liver Disease
- Inflammatory Bowel Disease
- Intestinal Immunology
- Intestinal Rehabilitation and Short Bowel Disease
- Neuro-Gastroenterology
- Pancreatic Disorders
- Polyposis
- Therapeutic Endoscopy/ Gastroenterology Laboratory

The mission of the Division of Pediatric Gastroenterology is to promote health and a healthy society that enables achievement of every child’s full potential. Faculty strive to fulfill this mission by providing the highest standard of care, advanced clinical programs, innovative training of future healthcare providers, and performing state-of-the-art research.

Faculty

Currently the Division is comprised of 19 faculty members, with one new faculty member, Lauren Lazar, joining the Division in 2020.

Lauren Lazar, M.D.

Assistant Professor



B.A. (Cum Laude with Honors),

Wake Forest University, Winston-Salem, NC (2004-2008)

M.D.

University of Tennessee Health Science Center College of Medicine, Memphis, TN (2010-2014)

Postdoctoral Training

Resident

UT Southwestern Medical Center, Dallas TX (2014-2017)

Fellowship

UT Southwestern Medical Center, Dallas TX (2017-2020)

Interests

Quality improvement, Cystic Fibrosis, General Gastroenterology

Honors / Awards

Best Pediatric Specialists in Dallas, *D Magazine*

- Michele Alkalay
- John Andersen
- Brad Barth
- Charina Ramirez
- Norberto Rodriguez-Baez
- Isabel Rojas Santamaria
- Rinarani Sanghavi
- Meghana Sathe
- Gaith Semrin
- David Troendle

Texas Super Doctors, *Texas Monthly Magazine*

- Meghana Sathe

Rina Sanghavi

- Fellow of NASPHGAN

Amal Aqul

- Promoted to Associate Professor

Aakash Goyal

- Promoted to Associate Professor

Bhaskar Gurram

- Promoted to Associate Professor

David Troendle

- Promoted to Associate Professor

Luis Sifuentes-Dominguez

- Cary Council Docstars

Invited Lectures

Sarah Barlow

- Alpha Omega Alpha invited speaker, Wake Forest School of Medicine, Winston-Salem, NC, March 2020
"Intervening in Childhood Obesity"

Gurram Bhaskar

- GI Department Grand Rounds, UT Southwestern, February 2020
"Gastrointestinal autoimmunity in immune deficiency disorders"

Norberto Rodriguez-Baez

- The Plan II Honors Program Society Meeting, University of Texas at Austin, Austin, TX, November 2020
"My Journey in Medicine"

Rinarani Sanghavi

- Bangkok International Neonatology Symposium, Bangkok Thailand, February 2020
"Advanced science to Nourish like Nature Microbiome, milk and gut immunity"
- Cohen Children's Medical Center New York- Women in Medicine, Oct 2020
"Delusions of Gender in 21st century medicine"

Meghana Sathe

- British Society of Pediatric Gastroenterology, Hepatology, and Nutrition Brighton, England, January 2020
"DIGEST: Developing Innovative GastroEnterology Specialty Training"
- Children's Hospital of Philadelphia Nutrition Conference, Virtual, October 2020
"The Twist and Turns of the Nutritional Management of Advanced Cystic Fibrosis Liver Disease"

David Troendle

- Pediatric Society of Greater Dallas, Dallas, TX, February 2020
"Foreign Body Ingestions"
- PENTalks, Dallas, TX, February 2020
"Foreign Body Ingestion: Practical Management Tips When Kids Eat More Than Food"

Conference Presentations

Digestive Disease Week Meeting

Chicago, IL (Virtual), May 2020

Lu D, Xue Y, **Goyal A**, Troendle D, Parrish C, Bird A, **Medina A**, Montoya-Melo D, **Barth B**, Patel A, **Rodriguez-Baez N**, **Rojas I**, **Sathe M**, Spechler S, Souza R, Gill M, and Cheng E.
"CD252 (OX40L)+ Antigen Presenting Cells Are Present in the Active EoE Esophageal Epithelium"

Sanghavi R

Oral Presentation, *"Combating gender inequality: implicit bias and call for action"*

North American Society for Pediatric Gastroenterology, Hepatology and Nutrition Fellows Conference

Virtual, July 2020

Rodriguez-Baez N

Oral Presentation, *"Work-Life Balance"*

Oral Presentation, *"Clinical Research Exercise"*

Oral Presentation, *"Make Friends No Enemas – GI Quiz Show"*

Sanghavi R

Oral Presentation, *"The Color of Glass: Diversity, Equity and Inclusion in Medicine"*

Other Conferences

Rodriguez-Baez N

Pakistan Pediatric Association's Biennial Conference 2020, Quetta, Pakistan (Virtual), November 2020

Oral Presentation, *"Acute Liver Failure in Children"*

Rodriguez-Baez N

North American Society for Pediatric Gastroenterology, Hepatology and Nutrition - Abbott 2nd Year Fellows Conference, Orlando, FL, January 2020

Oral Presentation, *"How to Develop a Career as Clinician Educator"*

Rodriguez-Baez N

North American Society for Pediatric Gastroenterology, Hepatology and Nutrition - Johnson 3rd Year Fellows Conference, St. Petersburg, FL (Virtual), September 2020

Oral Presentation, *"Gastroenterology Trivia"*

Panel Moderator, *"Interviewing/Getting a Job"*

Sathe M, Moshiree B, Vu P, Khan U, Heltshe S, Freedman S, Schwarzenberg SJ, Freeman AJ,

North American Cystic Fibrosis Foundation (Virtual) October 2020

"Utilization of ePROMs in Cystic Fibrosis Research: Application of the GALAXY study"

Troendle D

North American Society for Pediatric Gastroenterology, Hepatology and Nutrition - Annual Meeting, San Diego, CA (Virtual), November 2020

Oral Presentation, *"The Role of EUS and ERCP in Pancreatitis"*

Education and Training

The Division promotes new and innovative training strategies for students, residents, fellows, and junior faculty, as well as educational programs to the local and national community.

Our three-year, ACGME-accredited fellowship program, directed by Dr. Norberto Rodriguez-Baez and Dr. Meghana Sathe, provides comprehensive training for nine gastroenterology fellows (three per year). In the first year of fellowship, emphasis is on acquiring knowledge and clinical skills in gastroenterology, hepatology, and nutrition. Second- and third-year of training focus on a basic science or clinical project that meets the ACGME requirements for scholarly activity. Both areas emphasize



Pediatric Gastroenterology Fellows

acquiring skills in scientific presentation, writing abstracts and manuscripts, and grant development. Our training program is dynamic and innovative, offering individualized training tracks in motility, therapeutic endoscopy, and cystic fibrosis.

The first-time passing rate for the ABP-certified Pediatric Gastroenterology board exam for our graduating fellows is 100%, and the majority of graduates go on to hold faculty appointments.

There are several training tracks within our program. The Cystic Fibrosis track is designed to provide an environment enriched in opportunities to develop CF-related research for a fellow interested in CF care and research. Drs. David Willcutts and Joseph Woolley received the Cystic Fibrosis Foundation Clinical fellowship award given by the Cystic Fibrosis Foundation. The basic science track focuses on a specific area of basic research under the guidance of an established UTSW faculty researcher. Dr. Jacobo Santolaya is the recipient of the Ruth L. Kirschtein Institutional National Research Service Award (T32 grant).

The focused areas of research by our current fellows include:

- Optimizing Precision Probiotic therapy for Graft vs Host Disease by High-Throughput Sequencing of the Gut Microbiota – Dr. Nonyelum Ebigbo and Dr. Andrew Koh (mentor)
- Examining Lamina Propria Procurement with Various Sampling Techniques in Pediatric Eosinophilic Esophagitis Patients – Dr. Annette Medina and Dr. Edaire Cheng (mentor)
- Evaluation of PNPLA3 gene variant and fatty liver disease in children with cystic fibrosis – Dr. Claudia Phen and Dr. Charina Ramirez (mentor)
- Nutrition algorithm and gastrointestinal bleeding in children on ventricular assist devices – Dr. Derek Ngai and Dr. David Sutcliffe (mentor)
- Role of colonic enteroendocrine cells in weight alterations and glycemic control – Dr. Jacobo Santolaya and Dr. Ezra Burstein (mentor)
- Patient Attitudes Regarding Medical Provider Communication in Adolescents with Cystic Fibrosis – Dr. Joseph Woolley and Dr. Jenny Rodriguez Francis (mentor)

As a program, we continue our commitment and support to NASPGHAN and its educational activities including the Fellows Conferences. We are proud that many of our faculty members have participated, organized, and lead these national conferences for NASPGHAN. In 2020, Dr. Norberto Rodríguez-Báez was the co-chair for the 3rd year Fellows Conference and participated as faculty in the 1st and 2nd year Fellows Conferences. Dr. Rinarani Sanghavi served as faculty in the second year Fellows Conference.

In addition, on a national level, Dr. David Troendle co-directs a small group of therapeutic endoscopists that has created a virtual, web-based lecture series to discuss difficult cases and challenging issues facing pediatric gastroenterologists with a career focus on therapeutic endoscopy.

Research Activities

Funded research spans a wide range of important areas in both basic science and clinical investigation. The Division has many active ongoing research studies including several National Institutes of Health (NIH)-sponsored studies to understand the origins of childhood liver, esophageal, and intestinal diseases. The Division is participating in more than 40 ongoing IRB-approved clinical trials, including several national, multicenter studies evaluating treatments for pancreatic disease, Cystic Fibrosis, chronic constipation, inflammatory bowel disease, hepatitis, and liver failure.

Liver Research

- Dr. Norberto Rodriguez-Baez is the principal site investigator for a national, multicenter, NIH-supported study examining the causes for fulminant hepatic failure in children, as well as studies evaluating the best treatment strategies for children with hepatitis B and C.
- Dr. Charina Ramirez's research focuses on non-alcoholic fatty liver disease (NAFLD). She is conducting a novel trial evaluating the effects of specialized diets in the treatment of childhood fatty liver disease. She also participates in research involving Niemann-Pick type C disease and lysosomal acid lipase deficiency. Moreover, she is collaborating with Dr. Meghana Sathe to explore contributing factors to the progression of cystic fibrosis associated liver disease.
- Dr. Sarah Barlow is site investigator for an industry-sponsored observational study of children with NAFLD.
- Dr. Lauren Lazar is completing work on a five year review of biochemical markers and ultrasound findings in Dallas pediatric cystic fibrosis (CF) patients, working to establish a new diagnostic algorithm for CF liver disease.

Gastroenterology Research

- Dr. Luis Sifuentes is studying basic mechanisms of intestinal inflammation. He is supported by a departmental, NIH-sponsored, Child Health Research Career Development Award and is working closely with Dr. Ezra Burstein in the Department of Internal Medicine's Division of Gastroenterology at UT Southwestern to understand the molecular basis of early-onset IBD. Using cutting edge genomic and proteomic approaches, they have identified novel genes that play a role in early-onset IBD.
- Dr. Rina Sanghavi focuses on research related to diversity and equity in pediatric GI. She also works with the neonatology group to assess for GI tract motility maturation in newborns in basic and translational research as well as microbiome research.
- Dr. Bhaskar Gurram has assumed the role of site leader for the multicenter IBD collaborative Improve Care Now. His clinical and research interests include inflammatory bowel diseases, immune deficiency states manifesting with gastrointestinal symptoms and *Clostridioides difficile* infection. He is the site principal investigator for several clinical trials looking at therapeutics for management of inflammatory bowel diseases. He also is co-investigator for the multicenter growth study in pediatric Crohn's disease patients.
- Dr. Brad Barth studies therapeutic interventions for complex childhood hepatobiliary and pancreatic disorders. His clinical and research interests include therapeutic endoscopy, ERCP, endoscopic treatment of gastrointestinal bleeding, and pancreatic disease in children.



Drs. Rinarani Sanghavi and Ricardo Medina-Centeno

- Dr. David Troendle’s research focuses on interventional endoscopic approaches for the treatment of GI bleeding and pancreatic disease, as well as the prevention of post-ERCP pancreatitis. He is also investigating the epidemiology and severity of acute, recurrent and chronic pancreatitis in children.
- Dr. Sarah Barlow is actively involved in the study childhood obesity and nonalcoholic fatty liver disease, working toward effective interventions. Projects include: 1) evaluating telehealth in multidisciplinary weight management program, 2) development and implementation of a web-based program in English and Spanish for primary care providers to offer to parents; the website provides practical guidance on healthy lifestyle, 3) validation of a questionnaire to assess knowledge of MyPlate healthy eating concepts, and 4) implementation of a community-based healthy weight program.
- Dr. Meghana Sathe is involved in multiple projects studying care of children with Cystic Fibrosis, including a multicenter study for which she was a co-PI, evaluating the landscape of GI symptomatology in persons with CF (GALAXY Study). She has also focused on infant nutrition in CF and participates as a site investigator for GI and nutrition studies in persons with CF through the Therapeutic Drug Network, qualitative research through the Strategies in Therapeutics, and quality improvement through the CF Learning Network.
- Dr. Aakash Goyal is the primary investigator on a study to evaluate the pharmacokinetics of IV proton pump inhibitors in children. He is also involved as a co-investigator on projects working to establish a biorepository for samples of patients with suspected EoE, and to evaluate esophageal biopsy techniques in children. He is also studying newer therapeutic agents for treatment of EoE and is coinvestigator for a phase 3 study to investigate efficacy and safety of Dupilumab in adult and adolescent patients with EoE. He will be a co-investigator for an upcoming phase 3, multicenter, multinational study to evaluate efficacy and safety of CC-93538 in adult and adolescent subjects with EoE. Lastly, Dr. Goyal is involved in a project evaluating efficacy and safety of dose escalation in children with IBD on infliximab.
- Dr. Michele Alkalay focuses on the quality of life in children with celiac disease, and collaborates on research examining the microbiome in various celiac populations. She is currently working on examining ethnic differences in the clinical presentation of celiac disease in a pediatric population.
- Dr. Isabel Rojas has initiated a multicenter, international project studying polyposis in children, and the effects of treatment using sirolimus in this population.

Clinical Activities

The nationally recognized clinical programs of the Division of Gastroenterology are housed at Children’s Medical Center Dallas with satellite activity at Children’s Plano and Texas Health Resources Dallas and Frisco. In the patient-centered environment, physicians are joined by nurse practitioners, physician assistants, child psychologists, dietitians, speech therapists, child life specialists, social workers, an enterostomal therapist/educator, and a care coordinator to provide multidisciplinary, comprehensive, state-of-the-art care for children with virtually any gastrointestinal, pancreatic or liver problem.

Gastroenterology Endoscopy Lab

The gastroenterology lab staff of specially trained endoscopy nurses and technicians supports not only routine endoscopic procedures, but also advanced and therapeutic endoscopy, including ERCP, cholangioscopy, EUS, balloon enteroscopy and capsule endoscopy. We also perform a full array of motility procedures, including anorectal, esophageal, antroduodenal, small bowel, and colonic manometry, as well as EndoFlip. The unit performed approximately 59 pediatric ERCPs and 21 pediatric EUS cases in 2020. We were also one of the first Pediatric centers in the world to successfully pilot the use of a disposable duodenoscope in Pediatric patients.

Specialized Programs

The Division supports multiple specialized clinical programs. Faculty accept referrals for all of the following programs and a Gastroenterology physician is on call daily to consult with referring physicians.

Neurogastroenterology Program

Under the direction of Dr. Rina Sanghavi, this program provides comprehensive care for children with complex GI dysmotility, including intestinal pseudo-obstruction, dysmotility following infection or surgery, and neuromyopathies. It is home to one of the few ANMS-certified pediatric motility labs in the country performing esophageal manometry, antroduodenal and colonic motility, and esophageal impedance studies. It is the only bowel management program in North Texas for children with simple and complex anorectal malformations, the only multidisciplinary abdominal pain program, and the only aerodigestive disorders management program in the area. In 2017, the Biofeedback program directed by Dr. Ricardo-Medina was introduced, providing life changing treatment to children with disordered defecation.

Aerodigestive Program

Directed by Dr. Ricky Medina, Dr. Romaine Johnson (ENT), and Dr. Yadira Rivera-Sanchez (Pulmonology), the multidisciplinary aerodigestive program combines the services of gastroenterology, pulmonology, and ear, nose and throat (ENT) specialists. Pediatric patients are referred from all over the nation for comprehensive evaluation of swallowing, breathing, and feeding disorders. This specialized program includes procedural services such as esophageal impedance, BRAVO pH monitoring, endoscopy, bronchoscopy and laryngoscopy.

Chronic Abdominal Pain Program

Directed by Dr. Rinarani Sanghavi and Dr. Thomas Spain (Pain Specialist), the chronic abdominal pain program (CAPP) provides comprehensive evaluation and treatment to children with chronic abdominal pain. This multidisciplinary program includes a skilled team consisting of gastroenterologists, pain management specialists, psychologists, and nurses. It is the only comprehensive pain management program in North Texas for children with abdominal pain.

Hepatology & Liver Transplantation Program

This program is an internationally recognized active Pediatric Liver Transplantation program with some of the best outcomes in the nation. Led by Dr. Amal Aqul (Transplant Hepatology) and Dr. Dev Desai (Transplant Surgery), the liver transplant program performs whole and split liver transplants in a multidisciplinary setting. Living-related donor liver transplantation is available, as well, in appropriate cases.

Intestinal Rehabilitation Program

Under the direction of Dr. Nandini Channabasappa, this is the only program of its type in North Texas and the surrounding states, and is one of the largest in the country. Located in a geographic region with a rapidly growing pediatric population, and serving as a referral center for multiple NICUs, the program provides a much-needed comprehensive approach to nutritional support, including parenteral and enteral feeding programs for children with short bowel syndrome, pseudo-obstruction and other disorders resulting in intestinal failure, as well as for those who have undergone intestinal transplantation.

Pediatric Inflammatory Bowel Disease (IBD) Program

Directed by Dr. Bhaskar Gurram, this program provides specialized care for children with inflammatory bowel disease, conducts research into new treatments, genetics and epidemiology, and is a founding member of the extremely successful international collaboration, the Improve Care Now network, establishing quality improvement indicators and benchmarks in order to rapidly advance patient care and optimize outcomes. The Center is one of the largest IBD centers in the nation caring for more than 500 children with Crohn's disease or ulcerative colitis and providing consultations to patients from throughout the U.S. and internationally.

Pediatric Intestinal Immunology Clinic (PIIC)

Also directed by Dr. Gurram, the Pediatric Intestinal Immunology Clinic provides comprehensive evaluation and care to children with immunodeficiency and/or immune dysregulation with corresponding intestinal inflammation. It combines the skills of gastroenterologists, immunologists, geneticists and pathologists, and it is the only one of its kind in North Texas.

Childhood Obesity Program

Directed by Dr. Sarah Barlow, the Childhood Obesity program uses a cross-disciplinary, cross-site approach to care for children. The program provides resources for primary care providers, including electronic health record clinical decision support, connections to community-based weight management programs, and nutritional education.

Non-Alcoholic Fatty Liver Disease Program

This growing program is directed by Dr. Charina Ramirez. Focus is placed on personalized treatment plans developed based on the readiness level of the patient to make lifestyle and dietary modifications. A comprehensive evaluation for co-existing liver conditions as well as co-morbidities associated with NAFLD is provided. Progression of liver disease is monitored using different imaging modalities, when indicated (such as MRI Liver with Elastography, US with elastography, and/or Fibroscan). Clinical resources such as Nutrition Clinic and GI Psychology, as well as referrals to the Bariatric Program and community based Get Up and Go Program are available.

Therapeutic Endoscopy Program

Directed by Dr. David Troendle, the Therapeutic Endoscopy Program is one of the few programs in the United States performing specialized, cutting-edge endoscopic procedures, including endoscopic retrograde cholangiopancreatography (ERCP) in children of all ages, and leads the nation in endoscopic innovation, research, and training. More than 3,000 endoscopic procedures are performed per year, including specialized procedures such as ERCP and endoscopic ultrasound. The program, which houses a state-of-the-art training program with a simulation lab, has won the North American Society of Pediatric GI endoscopy prize multiple times, and is the founding site for the Pediatric ERCP Database Initiative. This project, started by Dr. Troendle, collects data from national and international centers related to ERCP indications, complications and outcomes.

Cystic Fibrosis Program

The childhood Cystic Fibrosis program, co-directed by Drs. Meg Sathe from Pediatric Gastroenterology and Preeti Sharma from Pediatric Respiratory Medicine, provides a comprehensive team approach to this complex and chronic disease. It is actively involved in many national multicenter trials, including clinical trials of new and innovative treatments. It also focuses on qualitative improvement, a mainstay in the improvement of the lives of persons with CF.

Eosinophilic Esophagitis and Esophageal Disorders Program

Directed on the GI side by Dr. Aakash Goyal, this program, known as the Dallas Eosinophilic Esophagitis Program (DEEP), treats children with eosinophilic esophagitis using a multidisciplinary clinical approach with involvement of an allergist, dietitian, psychologist, and pathologist on the team. Children's Health gastroenterologists (GI) and community GI have recognized DEEP as center of excellence for treatment of eosinophilic diseases in children, and we have been getting referrals in increasing numbers. In addition to clinical work, the program supports ongoing basic research into the mechanisms underlying disease pathogenesis.

Celiac Disease Program

Directed by Dr. Michele Alkalay and located at the satellite campus in Plano, this is a multidisciplinary program involving intense nutritional and family support for children with celiac disease and gluten sensitivity. It is the only program of its kind in the DFW area.

Pancreatic Disorders Program

Drs. David Troendle and Megha Mehta staff a comprehensive program spanning inpatient, outpatient, and procedural care that brings the latest in minimally-invasive surgical techniques to the treatment of children with disorders of the pancreas. Patients are referred from all over the nation for evaluation and for advanced therapeutic techniques offered at few other Pediatric centers in the United States.

Feeding Disorders Program

Directed by Dr. Gaith Semrin, the Feeding Disorders program at Children’s Health consists of a multidisciplinary team dedicated to the care of patients with disorders of oral feeding. The mission of the program is to formulate individual therapy, foster feeding independence, and improve the quality of life for patients with feeding problems.

Fecal Microbial Transplant Program

In 2018, Dr. Bhaskar Gurram and Dr. Paul Sue co-founded this program, which is the first of its kind in North Texas, aimed at treating children with recurrent or refractory *C. difficile* infection.

Patient Statistics

Gastroenterology Patient Visits by Type per Location by Year.

Dallas	2017	2018	2019	2020
Ambulatory Visits	14,861	15,110	15,437	12,649
New	4,161	4,077	4,322	3,285
Follow-up	10,700	11,033	11,115	9,364

Plano	2017	2018	2019	2020
Ambulatory Visits	6,844	6,652	6,387	3,584
New	2,190	1,980	2,172	1,179
Follow-up	4,654	4,672	4,216	2,405

THD	2017	2018	2019	2020
Ambulatory Visits	717	711	779	439
New	272	264	358	174
Follow-up	445	447	421	265

Totals	2017	2018	2019	2020
Ambulatory Visits	22,422	22,473	22,603	16,672
New	6,623	6,321	6,852	4,638
Follow-up	15,799	16,152	15,751	12,034
Procedures	3,304	3,663	3,589	2,513

Current Grant Support

Sarah Barlow

Grantor: NIDDK

Title of Project: Building Evidence for High-quality Pediatric Primary Care Weight and Comorbidity Management

Role: Co- Principal Investigator

Dates: 2018 – 2020

Grantor: NHLBI

Title of Project: Development of Single-screen Clinical Decision Support to Increase Guideline-based Weight Management and Co-Morbidity Care

Role: Co- Principal Investigator

Dates: 2018 – 2020

Norberto Rodriguez-Baez

Grantor: NIH / Johns Hopkins University (Grant No. U01-DK082872002)

Title: Hepatitis B Research Network – Effect of HBV DNA Methylation and the Mutant 1762T/1764A on Viral Load and HCC

Role: Co-Investigator

Dates: 2008 – 2021

Meghana Sathe

Grantor: Cystic Fibrosis Foundation

Title: STRC

Role: Co-Principal Investigator

Dates: 2018 – 2020

Grantor: Cystic Fibrosis Therapeutics

Title: ARC “Additional Research Coordinator”

Role: Principal Investigator

Dates: 2015 – 2021

Grantor: Cystic Fibrosis Foundation

Title: CRSP (Clinical Research Scholars Program)

Role: Principal Investigator

Dates: 2018 – 2021

Grantor: Cystic Fibrosis Foundation

Title: WOOLLEE19B0 1st and 2nd Year Fellowship Grant

Role: Sponsor

Dates: 2019 – 2021

Grantor: Cystic Fibrosis Foundation

Title: WILLCU20B0 1st and 2nd Year Fellowship Grant

Role: Sponsor

Dates: 2020-2022

Grantor: Cystic Fibrosis Foundation

Title: CNCF3 – Pilot Learning Network

Role: Co-Principal Investigator

Dates: 2016 – 2020

Grantor: GALAXY-OB-18

Title: GALAXY (Multicenter study of patient-reported gastrointestinal symptoms in people with Cystic Fibrosis)

Role: Co-Principal Investigator

Dates: 2019 – 2021

Grantor: Cystic Fibrosis Foundation

Title: CC034-34 TX-34/34 Children's Medical

Role: Co-Principal Investigator

Dates: 2013 – 2020

Grantor: DesignCF16PEO

Title: STRC DesignCF – Be In Charge Program

Role: Principal Investigator

Dates: 2019 – 2020

Grantor: Cystic Fibrosis Therapeutics

Title: SATHE14YO Therapeutic Drug Center

Role: Co-Principal Investigator

Dates: 2015 – 2020

Charina Ramirez

Grantor: NIDDK

Title of Project: Building Evidence for High-quality Pediatric Primary Care Weight and Comorbidity Management

Role: Co- Investigator

Dates: 2018 – 2020

Grantor: NHLBI

Title of Project: Development of Single-screen Clinical Decision Support to Increase Guideline-based Weight Management and Co-Morbidity Care

Role: Co-Investigator

Dates: 2018 – 2020

David Troendle

Grantor: NIH-NIDDK U01 DK108328-02S1

Title: Consortium for the Study of Chronic Pancreatitis, Diabetes and Pancreatic Cancer: Coordinating and Data Management Center (CSCPDPCC-CDMC)

Role: Principal Investigator

Dates: 2015 – 2025

Grantor: NIH-National Institute of DDK Diseases

Title: A Randomized Trial of a Web-based Non-Pharmacological Pain Intervention for Pediatric Chronic Pancreatitis

Role: Principal Investigator

Dates: 2015 – 2021

Peer-Reviewed Publications

1. Alkalay MJ. [Update on celiac disease](#). *Curr Opin Pediatr*. 2020 Oct;32(5):654-660. PMID:32833796
2. Abu-El-Haija M, Lowe M, Barth B, Bellin MD, Freedman S, Garipey C, Giefer MJ, Gonska T, Heyman MB, Himes R, Husain S, Lin TK, Liu Q, Mascarenhas MR, Maqbool A, McFerron B, Morinville V, Nathan J, Ooi CY, Perito E, Pohl JF, Schwarzenberg SJ, Shah U, Troendle DM, Werlin S, Wilschanski M, Zimmerman B, Uc A. [Pediatric chronic pancreatitis without prior acute or acute recurrent pancreatitis: A report from the INSPPIRE consortium](#). *Pancreatology*. 2020 Jun; 20(4):781-784. PMID: 32332002
3. Ambartsumyan L, Khlevner J, Nurko S, Rosen R, Kaul A, Pandolfino JE, Ratcliffe E, Yacob D, Li BUK, Punati J, Sood M, Rao SSC, Levitt MA, Cocjin JT, Rodriguez L, Flores A, Rosen JM, Belkind-Gerson J, Saps M, Garza JM, Fortunato JE, Schroedl RL, Keefer LA, Friedlander J, Heuckeroth RO, Rao M, El-Chammas K, Vaz K, Chumpitazi BP, Sanghavi R, Matta SKR, Danialifar T, Di Lorenzo C, Darbari A. [Proceedings of the 2018 Advances In Motility and In NeuroGastroenterology: AIMING for the Future Single Topic Symposium](#). *J Pediatr Gastroenterol Nutr*. 2020 Aug;71(2):e59-e67. PMID:32287151
4. Barlow S, De La Cruz-Munoz N, Hoelscher D, Messiah S, Ofori A, Qureshi F, Sacher P, Schneider B, Yudkin J. [Application and effectiveness of eHealth strategies for metabolic and bariatric surgery patients: a systematic review](#). *Digital Health* Jan 2020;6:1-21. PMID 32030193
5. Barlow SE, Durand C, Salahuddin M, Pont SJ, Butte NF, Hoelscher DM. [Who benefits from the intervention? Correlates of successful BMI reduction in the Texas Childhood Obesity Demonstration Project \(TX-CORD\)](#). *Pediatr Obes*. 2020 May;15(5):e12609. PMID:31944617
6. Barlow SE, Salahuddin M, Durand C, Pont SJ, Hoelscher DM, Butte NF. [Evaluation of BMI Metrics to Assess Change in Adiposity in Children with Overweight and Moderate and Severe Obesity](#). *Obesity (Silver Spring)*. 2020 Aug;28(8):1512-1518. PMID:32935936
7. Bismar N, Barlow SE, Brady TM, Turer CB. [Pediatrician Communication About High Blood Pressure in Children With Overweight/Obesity During Well-Child Visits](#). *Acad Pediatr*. 2020 Aug;20(6):776-783. PMID:31783183
8. Casson C, Nguyen V, Nayak P, Channabasappa N, Berris K, Panczuk J, Bhiladvala C, Dasgupta T, Piper HG. [A Comparison of Smoflipid® and Intralipid® in the Early Management of Infants with Intestinal Failure](#). *J Pediatr Surg*. 2020 Jan;55(1):153-157. PMID:31672409
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