

NASPGHAN Foundation
for Children's Digestive Health & Nutrition

ANNUAL REPORT

2017



NASPGHAN
FOUNDATION
For Children's Digestive Health & Nutrition

NASPGHAN Foundation for Children's Digestive Health & Nutrition Mission Statement

The NASPGHAN Foundation
funds and supports
the research and education
missions of NASPGHAN
in order to enhance
the health and well-being of
children with gastrointestinal,
liver, pancreas and
nutritional disorders.

The NASPGHAN Foundation is organized exclusively for charitable, scientific, and educational purposes as defined in section 501(c)(3) of the Internal Revenue Code of 1986 and receives an annual audit. Copies of the Federal Form 990 Tax Return for organizations exempt from tax are open for public inspection and can be obtained by contacting the National Office.

MESSAGE FROM THE PRESIDENT

Dear Colleagues and Friends:

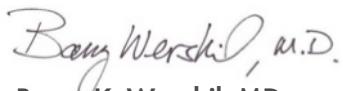
It is my pleasure to present this biennial report of the NASPGHAN Foundation, your Foundation. The Foundation exists to support the research and educational missions of NASPGHAN and in doing so, advance the field and the health and well-being of the children and families we serve.

While the report details the many activities of the Foundation, I would like to highlight the breadth of these activities. The research awards funded by the Foundation offer opportunities to those just starting their career, the investigator in the middle of their career, the established investigator with an innovative proposal, the practicing clinician, and the nurses in our sister society APGNN. We look to support research in all that encompasses gastroenterology, hepatology, and nutrition. Is it enough? The answer is obvious, but maybe more important is the impact. The success rate of our grant recipient's going on to extramural funding is outstanding and clearly sends a message that Foundation support for research makes a difference in the careers of our members and ultimately our profession.

The educational initiatives supported by the Foundation are also detailed in this report and demonstrate the diverse and the robust nature of our commitment to education, both professional and patient-oriented.

There are many people to thank for their support of the Foundation. Our Corporate Partners are listed in the report. Our Partners Program as well as other interactions with companies focuses on issues that impact our patients, creates a rich pipeline of new ideas and funding opportunities for our Society. Their intellectual and financial support is invaluable. Individual directed support like that of Katharine Odell PhD helped to develop the Dr. Gerard Odell Award to recognize outstanding liver research.

But the biggest thanks goes to the membership and our associated friends. Your donations are the life-blood and the driving force of the Foundation. I want to express the deepest appreciation for your generous giving, and with your continued support, we will work diligently to carry on the missions of the Foundation for you and our patients.



Barry K. Wershil, MD

President, NASPGHAN Foundation
Ann & Robert H. Lurie Children's Hospital of Chicago
Feinberg School of Medicine at Northwestern University



Barry K. Wershil MD

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**NASPGHAN
FOUNDATION**
For Children's Digestive Health & Nutrition



Financial Health

INDEPENDENT AUDITOR'S REPORT

We have audited the accompanying financial statements of The NASPGHAN Foundation (a nonprofit organization and subsidiary of North American Society for Pediatric Gastroenterology, Hepatology and Nutrition), which comprise the statement of financial position as of December 31, 2016, and the related statements of activities, functional expenses, and cash flows for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of The NASPGHAN Foundation as of December 31, 2016, and the changes in its net assets and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Report on Summarized Comparative Information

We have previously audited The NASPGHAN Foundation's 2015 financial statements, and we expressed an unmodified audit opinion on those audited financial statements in our report dated June 17, 2016. In our opinion, the summarized comparative information presented herein as of and for the year ended December 31, 2015 is consistent, in all material respects, with the audited financial statements from which it has been derived.

*BBDO LLP
Philadelphia, Pennsylvania
September 7, 2017*

A full copy of the audit report may be obtained through the National Office.



Making a Difference through Research

RESEARCH AGENDA

NASPGHAN has developed a Research Agenda to guide the Foundation's research efforts. The Research Agenda provides a priority list for foundations, charitable organizations, and appropriate governmental agencies to support increased research in pediatric gastroenterology, hepatology and nutrition. The intent is to provide increased information with respect to burden of illness, gaps in current knowledge, and opportunities for productive research in the immediate future. Although spectacular advances have been made, there remains much to be done to promote the health and well-being of the most vulnerable members of our society.

The Research Agenda available on the Foundation website and from the National Office, is written to cover the following topics:

- Inflammatory Bowel Disease
- Functional and motility disorders of the GI tract
- Liver disorders
- Pancreatic disorders
- Allergy, intestinal failure, and infection
- Nutritional disorders

Experts in each discipline identified key scientific issues to be emphasized as priorities in future research programs. The Pediatric GI Research Agenda is by no means an exhaustive list of all the problems associated with gastrointestinal disease in children. Rather, it is

intended to serve as a focused overview of key areas for further research in the field of pediatric gastroenterology, hepatology, and nutrition.

Grants and Awards

The future of our subspecialty rests with its trainees and young professionals. A pipeline of research talent into NASPGHAN will ensure the long-term vitality of our profession as practitioners of state-of-the-art, evidence-based medicine.

The Foundation has awarded more than 65 investigator-initiated grants to NASPGHAN members. Our track record of converting these awards into NIH and CIHR funded grants is outstanding.

In addition, thanks largely to two generous endowments by Takeda Pharmaceuticals, Inc. and AstraZeneca, the NASPGHAN Foundation has been able to expand its grant portfolio to include awards to more senior investigators.

NASPGHAN Foundation/AstraZeneca Research Award for Disorders of the Upper Gastrointestinal Tract

This award is granted to an investigator to study the epidemiology, pathogenesis, natural history, genetics, diagnosis and management of peptic diseases affecting children.

2016

Nicola Jones MD, PhD

Hospital for Sick Children, Toronto, ON

Novel, Non-antibiotic, Mechanism-based Therapy to Treat Helicobacter Pylori Infections

NASPGHAN/NASPGHAN Foundation George Ferry Young Investigator Development Award

This two-year grant is available to junior faculty and supports research activities that have the potential for evolution to an independent research career in pediatric gastroenterology, hepatology and nutrition. Monies are awarded in support of a meritorious research project in the clinical or basic sciences to study the gastrointestinal tract, liver or pancreas in children.

2016

Akihiro Asai MD, PhD

Cincinnati Children's Hospital and Medical Center, Cincinnati, OH
Engineering Human Liver Organoids for Modeling of Inherited Cholestasis

2017

Valentina Shakhnovich MD

Children's Mercy Hospital, Kansas City, MO
Impact of Obesity in Changes in Physiology and Systemic Drug Exposure to Proton Pump Inhibitors

NASPGHAN Foundation/Nestlé Nutrition Research Young Investigator Development Award

This two-year grant is available to junior faculty and supports research activities that have the potential for evolution to an independent research career in pediatric gastroenterology, hepatology and nutrition. Made possible by a long standing, generous contribution from Nestlé Nutrition, this grant is awarded to a junior investigator in support of a meritorious basic or clinical proposal relating to nutrition in infancy, childhood or adolescence.

2016

Samar Ibrahim MBChB

Mayo Clinic, Rochester, MN
Lipotoxicity and Hepatic Inflammation

2017

Nina Gluchowski MD

Children's Hospital, Boston, MA
The Functions of Initial and Expanding Lipid Droplets in NAFLD

NASPGHAN Foundation/Mid-Level Career Development Award

This mid-level career development award is for NASPGHAN members pursuing research related to pediatric gastroenterology, hepatology and nutrition and are at a mid-level in their career. This award provides

direct funding for the advancement of research careers for applicants with significant promise in their mid-years as faculty.

Supported by a grant from Takeda Pharmaceuticals U.S.A., Inc.

2016

Edwin de Zoeten MD, PhD

Children's Hospital Colorado, Aurora, CO
The Impact of the Unfolded Protein Response on Regulatory Cells

2017

Nitika Gupta MBBS, DCH, DNB, MRCP

Emory University School of Medicine, Atlanta, GA
TNF Signaling in Steatotic Liver Injury

NASPGHAN Foundation/Fellow to Faculty Transition Award in Inflammatory Bowel Diseases

This award provides support to enable promising senior pediatric gastroenterology fellows to spend an additional year upon completion of their fellowship training, to be engaged in full-time research and patient care related to pediatric inflammatory bowel diseases (IBD). The intent of this research award program is to develop additional clinical and research expertise in pediatric IBD.

Supported in 2016 by a grant from AbbVie

2016

Ross Maltz MD

Nationwide Children's Hospital, Columbus, OH
The Effect of Social Stressors on Inflammation in a Murine Model of Colitis

2017

Amanda Ricciuto, MD

The Hospital for Sick Children, Toronto, Ontario, Canada
Pediatric PSC-IBD: Elucidating the Phenotype, Optimizing Monitoring Strategies and Validating Novel Endoscopic Tools

NASPGHAN Foundation/Abbott Nutrition Advanced Fellowship Training in Pediatric Nutrition

Pediatric nutrition is one of the fastest growing areas of scientific and clinical importance to child and population health. To address this growing interest and to accelerate the training of pediatric experts, the NASPGHAN Foundation has partnered with Abbott Nutrition to develop a pathway for advanced fellowship training in pediatric nutrition.

The NASPGHAN Foundation/Abbott Nutrition Advanced Fellowship in Nutrition supports a year of advanced training in pediatric nutrition for a NASPGHAN member. The fellowship must include a well-defined clinical experience as well as a focused research project. The primary objective of the fellowship is to catalyze and increase the number of highly-trained, expert nutrition clinicians, educators and scientists among the membership of NASPGHAN, as a means to improve service to our patients and the public.

2016

Nina Sainath MD

Children's Hospital of Philadelphia, Philadelphia, PA
Use of Pancreatic Enzymes in Short Bowel Syndrome

2017

Hillary Bashaw, MD

Children's Hospital of Philadelphia, Philadelphia, PA
Comparison of Multiple Indices of Fat and Energy Absorption in People with Chronic Pancreatitis with a Healthy Comparison Group

NASPGHAN Foundation/APGNN/Susan Moyer Nursing Research Grant

This one-year grant is available to pediatric gastroenterology, nutrition and hepatology nurses to support research activities that have the potential to advance nursing care of patients and families of children with gastrointestinal, hepatobiliary, pancreatic or nutritional disorders. Monies are awarded in support of a meritorious research projects to study the nursing care of families and

children with pediatric gastrointestinal, hepatobiliary, pancreatic or nutritional disorders.

2016

JoAnne Newton RN

Children's Hospital of Colorado, Aurora, CO
Reducing Complications Related to Eosinophilic Esophagitis through Nursing Education

Kim Osborne MSN

Nationwide Children's Hospital, Columbus, OH
Laxative Treatment for Pediatric Constipation: A Randomized Controlled Trial Comparing Stimulant Laxatives Alone

Fiona Paul DNP, NP

Boston Children's Hospital, Boston, MA
Impact of Transanal Irrigations on Quality of Life on Pediatric Patients with Organic Defecatory Disorders

2017

Whitney Gray MSN, CRNP

Children's Hospital of Pittsburgh, Pittsburgh, PA
Impact of a Nurse Practitioner Led Teaching Program on Patient and Caregiver Knowledge on Pediatric IBD

NASPGHAN Foundation/ Takeda Pharmaceuticals U.S.A., Inc. Research Innovation Award

This award supports innovative, high-impact research in pediatric gastroenterology, hepatology and nutrition. The intent of this research award is to stimulate scientific inquiry



in an area that is exceptionally innovative and has the potential to impact the field in a highly novel manner.

2017

Cara Mack MD

Children's Hospital Colorado, Aurora, CO

Regulatory T cell Dysfunction in Biliary Atresia

NASPGHAN Foundation Innovations in Clinical Care Grant

The aim of this grant is to encourage and support the development of innovative approaches to optimize the quality of care and health care delivery to children with

digestive diseases by the clinically focused pediatric gastroenterologist.

2017

Amer Al-Nimr MD

Dartmouth Hitchcock Medical Center, Lebanon, NH

Creating Animated Nutrition Educational Video Resources on GIKids.org

Alexander Koral MD

Yale School of Medicine, New Haven, CT

Unsedated Transnasal Endoscopy in Monitoring of Eosinophilic Esophagitis and Diagnosis of Helicobacter Pylori



2017 Supporters

Abbott Nutrition

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Alexion Pharmaceuticals, Inc.

The Allergan Foundation

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Christine and John Browner

Crohn's and Colitis Foundation

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Retrophin

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Takeda Pharmaceuticals U.S.A., Inc.

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Legacy Program

William F. Balistreri Prize

The Legacy Program honors exceptional NASPGHAN members and acknowledges their contribution to our field and our Society. The first campaign, honoring William F. Balistreri, was a tremendous success. The William Balistreri Prize celebrates Dr. Balistreri's career-long commitment to excellence in clinical care, education, research and advocacy. The Balistreri Prize is presented at the NASPGHAN Annual Meeting to the author of a highly ranked scientific abstract.

2016

Joanne Masterson PhD

University of Colorado Denver, Aurora, CO

Epithelial Barrier Function in Eosinophilic Esophagitis is Regulated by a HIF-1 α -Claudin-1 Axis

2017

Katja Kovacic MD

Medical College of Wisconsin, Milwaukee, WI

Neurostimulation for Functional Abdominal Pain Disorders in Children: A Randomized, Double Blind, Sham-Controlled Trial

Richard J. Grand and John B. Watkins Prize

Drs. Grand and Watkins were pioneers in the field of pediatric gastroenterology and helped define our field as we know it today. Dr. Grand is probably best known for his pivotal contributions to the field of pediatric inflammatory bowel diseases, but he was also incredibly active in such diverse areas as studying the developmental biology of the GI tract, defining the molecular regulation of disaccharidase production, and numerous aspects of pediatric nutrition. Like Dr. Grand, Dr. Watkins was a pioneer in broad areas of pediatric GI/hepatology and nutrition; from understanding lipid digestion and absorption, examining the pathogenesis of neonatal cholestasis, to defining and optimizing the nutritional needs of premature infants. Drs. Grand and Watkins worked together to build one of the earliest "full service" GI Divisions in the country. They have been extensively involved in the formative days of NASPGHAN, are both past Presidents of the Society, and both are recipients of the Shwachman Award. It is in the spirit of the work they did together, that this Legacy Award bears both their names.

2016

Ivan Fuss MD

National Institutes of Health, Bethesda, MD

The Role of a Novel IL-10 Producing Regulatory T Cell (TR2) in Immune Homeostasis

2017

Mark Deneau MD

University of Utah, Salt Lake City, UT

Improvement In GGT Predicts Event-Free Survival in Primary Sclerosing Cholangitis Regardless of Ursodeoxycholic Acid Treatment: Data from Pediatric PSC Consortium



Joanne Masterson PhD



Ivan Fuss MD

Named Awards

The NASPGHAN Foundation is fortunate to be the beneficiary of donations to acknowledge, honor and commemorate two individuals' lives and work.

Gerard B. Odell Award

Dr. Odell, a professor of pediatrics at the Johns Hopkins School of Medicine, was a pediatric liver specialist. Later in his career, he established the pediatric gastroenterology division at the University of Wisconsin. He was a passionate scientist and his research on bilirubin metabolism and hepatobiliary disorders was a point of immense career pride.

2016

Sarah Taylor MD

Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL

Gestational Alloimmune Liver Disease: Fate of Untreated Pregnancy in 152 Women and Outcome of Affected Infants



Sarah Taylor MD

2017

Samar Ibrahim, MBChB

Mayo Clinic, Rochester, MN, USA

Mixed-lineage Kinase 3 Pharmacological Inhibition Attenuates Murine Nonalcoholic Steatohepatitis



Bram Raphael MD

Teri Li Award in Education

The Teri Li Award recognizes novel or extensive education efforts by junior faculty in NASPGHAN. The award is named in honor of Dr. B Li's spouse, Teri, who was passionately dedicated to quality education all of her life. Awardees are recognized at the annual NASPGHAN meeting.

2016

Bram Raphael MD

Children's Hospital Boston

Aliza Solomon DO

New York Presbyterian/Weill Cornell Medicine



Aliza Solomon DO

2017

To be announced during the 2017 Awards Ceremony at the NASPGHAN Annual Meeting

Thank You to our 2016 – 2017 Volunteers

Ruba Abdelhadi MD	Simon Horslen MD	Brent Polk MD
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Grace Gathungu MD	Marialena Mouzaki MD, MSc	Preeti Viswanathan MD
Praveen S Goday, MBBS	Amanda Muir MD	Miriam Vos MD, MSPH
Benjamin Gold MD	Alisa Muniz Crim MD	Mei-Lun Wang MD
Lauren Gruber MBA, RD, CD, CNSC	JoAnne Newton RN, NP	Joshua Wechsler MD
Anne Griffiths MD	Maria Oliva-Hemker MD	Renee Wieman RD, LD, CNSC
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Neera Gupta MD, MAS	Emily Perito MD, MAS	Dong Xi MD
James Heubi MD	Rebecca Pipkorn RD, CD, CNSD	Elizabeth Yu MD
Ivor Hill MB, ChB, MD	John Pohl MD	



Education

The Foundation supports the educational mission of NASPGHAN through a large number and diverse portfolio of professional and public education initiatives. Topic areas are reflux and GERD, inflammatory bowel disease, celiac disease and gluten-related disorders, eosinophilic esophagitis, nutrition, pancreatic disease, liver disease, functional disorders, endoscopy, and nonalcoholic fatty liver disease in children, adolescents and young adults. The Foundation's goal is to provide up-to-date information to medical professionals and an educational resource for the public. The intended outcome is a robust dialogue on current medical topics and the development of new research in these areas. The primary objectives are to improve the quality of life and to change pediatric and adult health outcomes by early detection and evidence-based intervention.

Pediatric Reflux and GERD Education

Campaign Chair: **Benjamin D. Gold MD**

Past Chair: **Harland Winter MD**

The Foundation's pediatric Reflux and GERD Campaign launched our inaugural educational initiative in the fall of 2002. This campaign targeted gaps in knowledge, practice and behavior. Working closely with the American Academy of Pediatrics (AAP), the Foundation developed five sequential phases of pediatric GERD campaigns over the ensuing years. The campaign raises awareness, changes practice and behavior, educates targeted audiences and reinforces the role of the pediatric gastroenterologist as thought leaders and caregivers of children with gastroesophageal reflux. Campaign materials continue to be referenced based on published NASPGHAN guidelines and used today by our members, their patients and families.

Support provided by Takeda Pharmaceuticals U.S.A., Inc.
and AstraZeneca

Education in Quality Improvement for Pediatric Practice – EQIPP

Accurately distinguishing between uncomplicated physiologic reflux (GER) and gastroesophageal reflux disease (GERD) is crucial to ensuring children receive the right care. Yet, differentiating between the two can be complicated. It's a practice gap the AAP/NASPGHAN Foundation online quality improvement (QI) course: EQIPP: GER or GERD? Diagnosis and Management helps eliminate. The course offers generalists and specialists separate tracks and helps satisfy MOC Part 4 requirements.

The Foundation also introduced a webinar in 2017; Proton Pump Inhibitors: To use or not to use...That is the Question, followed by a Grand Rounds Program.

Support provided by AstraZeneca

Nutrition Education Campaign

Chair: **Justine Turner MD, PhD**

Past Chair: **Praveen Goday MBBS**

There has been an explosion of interest and need for education in nutrition for our members, primary care providers and patients and families. To meet these needs, the Foundation has worked closely with NASPGHAN's Nutrition Committee currently led by Justine Turner MD to develop a series of activities and resources for medical professionals and the public. The Foundation created a groundbreaking nutrition course, NASPGHAN Nutrition University, focusing on areas of nutrition science and clinical care associated with the practice of pediatric gastroenterology, hepatology and nutrition. This annual course has been highly rated and well attended since its inception in 2012 and in 2017 welcomed dietitians as participants. The Nutrition Campaign has also developed

a series of educational resources focusing on carbohydrate malabsorption, enteral and parenteral nutrition, and fiber. Methods include CME case-based newsletters and slide sets, grand rounds, webinars and information for patients and families on GIKids.org. The Foundation also presented a webinar; "The New Design for EnFit Connectors: New ISO Standards for Enteral Connectors in 2016 in collaboration with The American Society for Parenteral and Enteral Nutrition.

Support provided by Abbott Nutrition, Boston Scientific, Halyard Health, Nestlé Nutrition, Nutricia North America, and QOL Medical

Pediatric IBD Education

Campaign Co-Chairs: **Robert Baldassano MD** and **Maria Oliva-Hemker MD**

Launched in 2005, the IBD Campaign focuses on the development of evidence-based resources in this rapidly changing field for medical professionals, patients and families. Working closely with NASPGHAN's IBD Committee, educational resources include webinars, CME case-based newsletters, a CME slide set, a podcast series on transition, a website focusing on transition for college students and young adults living and working on their own while navigating the disease, an IBD Self-Management Handbook, and a new interactive web-based program on self-management for IBD patients. The Foundation collaborated with the Crohn's and Colitis Foundation to develop and launch a teen IBD website www.justlikemeibd.org. In 2016 the Foundation launched a new decision aid tool on the Risks vs. Benefits of Treatments for Crohn's Disease. Most recently, the Foundation introduced Doc4Me, a mobile application, to assist pediatric patients in transitioning to adult care.

Support provided by AbbVie, Janssen Biotech, Inc., Shire, Takeda Pharmaceuticals U.S.A., Inc. and Crohn's and Colitis Foundation.

Liver Disease Education

Chair: **Rohit Kohli MBBS, MS** and **Miriam Vos MSPH**

Nonalcoholic Fatty Liver Disease (NAFLD)

Nonalcoholic fatty liver disease is the most common chronic liver disease, affecting an estimated 10% of the US pediatric population. The latest studies on prevalence suggest that the incidence of NAFLD is still rising despite the slowing of the obesity epidemic. Children and adults with NAFLD are at high risk of progressing to end stage liver disease and the pathophysiology of NAFLD appears to dramatically increase the risk of

diabetes and cardiovascular disease. NAFLD research is multidisciplinary and involves collaborations between pediatric hepatologists, endocrinologists, cardiologists, metabolism experts, nutrition scientists, experts in insulin resistance, liver development, and adipocyte effects to name just a few.

The NAFLD Campaign focuses on research and education, clinical practice guidelines, and endpoints to help medical professionals implement optimal strategies in their clinical practice. To address these issues, NASPGHAN hosted an NIH supported single topic symposium in 2015, "STOPNASH: Symposium on The Origins and Pathways of NASH: Is it Preventable?" The symposium brought together experts from diverse fields to move NAFLD research forward, to develop consensus regarding priorities in NAFLD. Ongoing educational activities include a webinar, CME case based newsletter, patient brochure in English and Spanish and a webpage on GIKids.org. A slide set based on the recently published NAFLD guidelines; NASPGHAN Clinical Practice Guideline for the Diagnosis and Treatment of Nonalcoholic Fatty Liver Disease in Children, has recently been completed focusing on NAFLD with a 30 city Grand Rounds program.

Support provided by Alexion Pharmaceuticals, Inc.
In-kind support was provided by Emory Children's Center, Cincinnati Children's Hospital Medical Center and Rady Children's Hospital.

Neonatal Cholestasis

In 2016, the Foundation developed an educational program on Neonatal Cholestasis targeting: primary care physicians, pediatric gastroenterologists, transplant hepatologists, pediatric GI nurses and pediatric nutrition professionals. This consisted of the development comprehensive CME slide set led by Dr. William F. Balistreri and a Grand Rounds program.

The objectives are to:

- Understand the differential of neonates presenting with conjugated hyperbilirubinemia
- Know the importance of early diagnosis on outcome
- Describe the signs and symptoms associated with neonatal cholestasis
- Perform appropriate testing for rapid identification
- Review screening efforts and describe the appropriate tailored, disease specific treatment methods

Support provided by Retropin

Capsule Endoscopy Education

Campaign Chair: **Douglas S. Fishman MD**

Working with NASPGHAN's Endoscopy Committee, the Foundation created a variety of educational resources on capsule endoscopy for members, their patients and families. An innovative comic book for patients was developed depicting a capsule's journey inside the body through a character named "Cappy." A more in-depth parent brochure explaining the procedure also was developed and combined with the comic book as an in-office handout. An animated video of the Cappy Journey was released at the end of 2015. A live and archived CME webinar as well as a CME case-based newsletter were developed for the medical professional.

Support provided by Medtronic, Inc.



Eosinophilic Esophagitis Campaign

Campaign Co-Chairs: **Glenn T. Furuta MD** and

Chris Liacouras MD

NASPGHAN hosted the First International Gastrointestinal Eosinophilic Research Symposium (FIGERS) in 2006, where worldwide experts came together to discuss an increasingly recognized disease, Eosinophilic Esophagitis (EoE). The Foundation partnered with the NIH to support this symposium, which was attended by an international audience of 300 physicians and scientists. The outcome of the symposium was a landmark Consensus statement published in 2007 in *Gastroenterology* on the diagnosis and treatment of EoE. In addition, the symposium began

the development of a research agenda involving multiple subspecialists and centers around the country and world that is still active today.

With the launch of The Eosinophilic Esophagitis Campaign in 2014, there has been a wide ranging set of educational activities developed. Slide sets including, Eosinophilic Esophagitis: Diagnosis and Management Set, a webinar: Eosinophilic Esophagitis Diagnosis and Management, and patient education materials were produced to support this initiative.

Support provided by Abbott Nutrition, AstraZeneca, Takeda Pharmaceuticals U.S.A., Inc., Cephalon and Meritage Pharma, Inc.

Pancreas Education

Campaign Chair: **Véronique Morinville MD, FRCP**

The purpose of the Pancreas Committee and its educational initiatives is to promote the field of pediatric pancreatology. Its goals involve the expansion and dissemination of knowledge about pancreatic disorders, improvement of care for children suffering from pancreatic problems, advocacy for these children and their families, as well as promoting and supporting research within the realm of pancreatology. Through the development of educational materials for the public and physicians, involvement in continuing medical education endeavors, and support of basic/ translational/ and clinical research, it is hoped that the overall care and quality of life of children with pancreatic disorders will improve. In June of 2016, NASPGHAN and the Foundation hosted a webinar on Exocrine Pancreatic Insufficiency: Diagnosis and Management. The goal was to illustrate symptoms, presentations, differential diagnoses, and testing of children with possible EPI, review digestion of carbohydrates, proteins, and fats to understand the rationale for EPI therapy, describe pancreatic enzyme replacement therapy (PERT) and other treatments – and their monitoring and review trouble-shooting PERT in special patient populations. In 2017, NASPGHAN will present a single topic symposium during the Annual Meeting, *Frontiers in Pediatric Pancreatology*, to provide the most influential and current clinical and basic research in pediatric pancreatitis and update attendees on the numerous and exciting advancements in pediatric pancreatic research.

Support provided by: AbbVie, ChiRhoClin, National Institutes of Health

Patient Education & Resources **GiKids.org**

Through our partnerships with industry supporters, The Association of Pediatric Gastroenterology and Nutrition Nurses (APGNN) and Council for Pediatric Nutrition Professionals (CPNP), the Foundation strives to reach out directly to families, kids and teens who live with digestive conditions to provide them with the information they need to:

- Understand and improve their digestive health
- Work with their health care providers
- Live a more independent life
- Manage and understand treatment options

In 2016, the Foundation announced a one stop resource guide focusing on new and existing constipation resources developed by NASPGHAN and APGNN. The purpose of the guide is to improve the quality of life and avoid complications in constipated children through early diagnosis and prompt, effective multidisciplinary treatment. In 2017, in collaboration with CPNP, this Constipation Care Package will be updated to include nutrition information for practitioners and patients.

Support provided by The Allergan Foundation and Shire



Help & Hope for Children
with Digestive Disorders

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