

North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN)

Association of Pediatric Gastroenterology and Nutrition Nurses (APGNN)

**Council of Pediatric Nutrition Professionals (CPNP)** 

# **PROGRAM BOOK**

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#### **GENERALINFORMATION**

## **Registration Hours**

Registration is located on Level 3 adjacent to hotel registration starting on Tuesday. Registration will be open during the following hours:

Tuesday, October 15	6:00pm - 3	L0:00pm
Wednesday, October 16	7:00am –	6:00pm
Thursday, October 17	7:00am –	6:00pm
Friday, October 18	7:00am –	5:00pm
Saturday, October 19	7:00am –	5:00pm

#### **Exhibit Hours**

Exhibits are located outside of Riverwalk on the Level 1 of the hotel. The exhibits are open during the following hours:

Thursday, October 17	5:00pm – 7:00pm
Friday, October 18	10:00am – 2:30pm
Saturday, October 19	10:00am – 2:30pm

## **NASPGHAN Speaker Ready Room**

The NASPGHAN Speaker Ready Room is located in Columbus B on the Level 3 of the hotel. The Speaker Ready Room is open during the following hours:

Tuesday, October 15	4:00pm – 6:00pm
Wednesday, October 16	7:00am – 6:00pm
Thursday, October 17	7:00am – 6:00pm
Friday, October 18	7:00am – 5:00pm
Saturday, October 19	7:00am – 5:00pm

# NASPGHAN 5K RUN/WALK

When: Saturday, October19<sup>th</sup> 6:00am Registration

Where: Sheraton One the steps outside of the Sheraton

NASPGHAN is holding its 6<sup>th</sup> annual 5K run/walk on Saturday morning, October 19<sup>th</sup>, starting at 6:30am outside the hotel. Run on the beautiful riverwalk of Chicago, IL and enjoy the city waking up! All money raised will go to the NASPGHAN Foundation for Children's Digestive Health and Nutrition. Even if you don't wish to run, all are welcome to donate and to cheer on the racers as they cross the finish line!

#### **CME INFORMATION**

#### **Educational Mission Statement**

The education mission of the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition is to:

- Advance understanding of normal development, physiology and pathophysiology of diseases of the gastrointestinal tract, liver and nutrition in children.
- Improve professional competence, quality of care, and patient outcomes by disseminating knowledge through scientific meetings, professional, and public education.

Our activities, education, and interventions will strive to use Adult Learning Methods (ALM) designed to improve competence, practice performance, and patient outcomes in measureable ways. These educational activities will be targeted to pediatric gastroenterologists, physicians with an expertise in pediatric gastroenterology, hepatology, and nutrition, subspecialty fellows in pediatric gastroenterology, and nurses specializing in pediatric gastroenterology, hepatology, and nutrition.

#### **Meeting Objectives**

To improve clinical competence and performance through:

- 1. Being acquainted with new discoveries in the pathophysiology of gastrointestinal, pancreatic, hepatobiliary and nutrition related diseases.
- 2. Exposure to state-of-the art techniques that can be applied to the diagnosis and treatment of gastrointestinal, hepatobiliary, pancreatic and nutrition-related diseases.
- 3. Becoming more familiar with the changing health care environment, the regulatory process by which new discoveries come to application, and the importance of advocacy and ethics in the practice of pediatric gastroenterology, hepatology and nutrition.

#### **Physicians**

NASPGHAN is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

NASPGHAN designates this live activity for a maximum of 37.0 (21.0 Max for the NASPGHAN Annual Meeting / 8.75 Max for APGNN / 8.0 for the Post Graduate Course / 8.0 for the Single Topic Symposium / 4.75 for CHIME / 1.25 for LASPGHAN) AMA PRA Category 1 Credit(s)<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### Nurses



In support of improving patient care, this activity has been planned and implemented by Amedco LLC and NASPGHAN. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Amedco LLC designates this live activity for a maximum of 37.0 contact hours for nurses (21.0 Max for the NASPGHAN Annual Meeting / 8.75 Max for APGNN / 8.0 for the Post Graduate Course / 8.0 for the Single Topic Symposium / 4.75 for CHIME / 1.25 for LASPGHAN). Learners should claim only the credit commensurate with the extent of their participation in the activity.

#### **Program Evaluation**

It is NASPGHAN policy to conduct post activity evaluations. The results of these evaluations play a major role in planning future CME activities and are shared with faculty presenters.

## **Faculty Disclosure**

In order to ensure independence, objectivity and scientific rigor in all activities and in accordance with the ACCME, ANCC and ACPE Standards for Commercial Support, all those in a position to control the content of an educational activity are required to disclose their relevant financial relationships. This includes indicating that one has nothing to disclose. Disclosure information will be distributed to the activity attendees.

Prior to the program, all persons involved in the development or presentation of course content are expected to disclose any relevant financial relationships with any entity producing, marketing, re-selling, or distributing health care foods or services consumed by, or used on, patients and related to the content of their presentations. <u>All conflicts have been resolved satisfactorily.</u>

#### NASPGHAN ANNUAL MEETING CORPORATE SUPPORTERS

**Abbott Nutrition** 

Albireo Pharma, Inc

Alexion Pharmaceuticals, Inc

American Partnership for Eosinophilic Disorders (APFED)

**Apollo Endosurgery** 

**Boston Scientific** 

Children's Hospital Colorado

Cook Medical

Diversatek

Erbe

**Feeding Matters** 

Fresenius Kabi

Gilead Sciences, Inc

JOLI Diagnostic Inc

Mead Johnson Nutrition

Mirum Pharmaceuticals

Nestlé

New York Presbterian Morgan Stanley Children's Hospital

Olympus

Pentax Medical

QOL Medical, LLC

Retrophin, Inc

Takeda Pharmaceuticals America, Inc.

# **CPNP/NASPGHAN NUTRITION SYMPOSIUM SUPPORTERS**

Support for this year's symposium has been provided by:

**Abbott Nutrition** 

Mead Johnson Nutrition

#### **CPNP Founders**

Thanks to the following companies for their support of this event and the establishment of the Council of Pediatric Nutrition Professionals

**Abbott Nutrition** 

Dr. Schar

Mead Johnson Nutrition

Nestlé Nutrition

QOL Medical, LLC

# **APGNN MEETING SUPPORTERS**

Abbott Nutrition Mead Johnson Nutrition Nestlé Nutrition Institute Nutricia North America

# NASPGHAN, the NASPGHAN Foundation, CPNP and APGNN thank the following companies and organizations for their generous support of our 2019 research and educational programs

Abbott Nutrition
Albireo Pharma, Inc
Alexion Pharmaceuticals, Inc
American Partnership for Eosinophilic Disorders (APFED)

Apollo Endosurgery Boston Scientific Children's Hospital Colorado Cook Medical Diversatek

Erbe
Feeding Matters
Fresenius Kabi
Gilead Sciences, Inc
JOLI Diagnostic Inc

Mead Johnson Nutrition Mirum Pharmaceuticals

Nestlé

New York Presbterian Morgan Stanley Children's Hospital

Olympus

Pentax Medical QOL Medical, LLC Retrophin, Inc

Takeda Pharmaceuticals America, Inc.

#### TEACHING AND TOMORROW PROGRAM PARTICIPANTS

Thanks to an educational grant from Mead Johnson Nutrition, the residents listed below will participate in an outstanding program of stimulating educational activities and social interactions throughout the conference.

Alaa Abdelghani Michael Abdelmisseh **Timothy Adamos** Arun Ajmera Azzam AlJaafari Erik Andrewski Alyssa Baccarella Melanie Baskind Christine Brichta Jordan Busing Longyue Lily Cao Kenny Castro Ochoa Christie Chen Lisa Chi Samantha Chu Alexander Coe Tess Coker Katie Conover Michelle Corrado Evianna Cruz Herrera

Andrew Dickerson
Erin Elbel
Marianelly Fernandez Ferrer
Tiffany Freeney Wright

Brian Fuller Irene Gamra

Kathryn Czepiel

Limary Garcia-Gonzalez

Rahul Gentyala Bridget Gibson Matthew Goldstein John Grisham Daniela Guisado Leonard Haas Maddie Herbert

Andrea Ho John Hong Sherif Ibrahim Elise Kang David Katibian Melissa Keeley Hamza Khan Molly Kidder Julia Kleinhenz Sanya Krenzelok Chloe Kupelian Sharmistha Lahiri Corinne Laliberte Tom LaRouere David Lee Wei-Wei Lee Steven Levitte Andrew Liman Kathleen Lo

Maria Lopez Gonzalez Caroline Massarelli Deena Miller Jenna Millstead Priya Mishra Anisha Mohandas Jerome Molleston Shruti Nabar Apoorva Nanagiri Nguyen Nguyen Nicholas Norris Teresa Oh

Alicia Olave-Pichon Daniel Orellana Samantha Paglinco Karyn Parsons Neema Patel Anitta Philip Ariel Porto Asra Rab James Reed Nancy Rivera Priya Rolfes

Annemarie Rompca Abigail Russi Stephanie Saaybi Liane Sadder Monica Sangal Rachel Schenker Jonathan Schouten Colby Sharlin Bri Shuler Brittany Siegel Jaclyn Siegel Matthew Smyth Kathryn Stephenson

Julee Sunny
Alda Taube
Richard Taylor
Stefani Tica
Andrea Tukan
Jessica Ulrich
Carolyn Vespoli
Gabriel Vidal
Ellen Wagner
Ashleigh Watson
James Welch
Sloane Zimmerman

#### **FUTURE MEETING DATES**

#### **FELLOW CONFERENCES**

1st Year Fellows Conference Supported by a grant from Abbott Nutrition January 16 – 19, 2020 Rosen Plaza Hotel Orlando, FL

2nd Year Fellows
Supported by a grant from Abbott Nutrition
April 2 – 5, 2020
Scottsdale Plaza Resort
Scottsdale, AZ

3rd Year Fellows
Supported by a grant from Mead Johnson Nutrition
September 12 – 15, 2019
The Camby Hotel
Phoenix, AZ

# 2020 NASPGHAN Annual Meeting and Postgraduate Course

November 4-9, 2020 Marriott Marquis San Diego Marina San Diego, CA

# 2021 NASPGHAN Annual Meeting and Postgraduate Course

November 3-6, 2021 Gaylord Opryland Resort & Convention Center Nashville, TN

## 2022 NASPGHAN Annual Meeting and Postgraduate Course

October 12-15, 2022 Rosen Shingle Creek Orlando, FL 50<sup>th</sup> Anniversary Year!

# 2023 NASPGHAN Annual Meeting and Postgraduate Course

October 4-7, 2023 Hilton San Diego Bayfront San Diego, CA

# **NASPGHAN Committee Meetings** October 16 - 19, 2019

#### Wednesday, October 16

11:00am - 4:00pm Lincoln, Level 3 **NASPGHAN Foundation Board Meeting** 

4:00pm - 5:30pmpm **NASPGHAN Council Meeting** Lincoln, Level 3

5:30pm - 10:00pm NASPGHAN Council and Committee Chairs Meeting Mayfair, Level 2

Thursday, October 17

12:00pm - 2:00pm

**Nutrition Committee** Wrigleyville, Level 3 **Public Education Committee** Lakeview, Level 3 Aerodigestive SIG Pullman, Level 3 Old Town, Level 3

**Clinical Practice Committee** 

Friday, October 18

7:00am - 8:00am

**Presidential Suite Finance Committee Training Committee** Huron, Level 2 **ERCP SIG** Pullman, Level 3 International Committee Ontario, Level 2 Intestinal Rehabilitation SIG Old Town, Level 3 Celiac SIG Mayfair, Level 2 Neurogastro/Motility Committee Lakeview, Level 3

12:00pm - 2:00pm

**Professional Education Committee** Ontario, Level 2 **Hepatology Committee** Mayfair, Level 2 **Technology Committee** Lakeview, Level 3 Integrative Medicine SIG Park Office, Level 2 **Publications Committee** Huron, Level 2 **Professional Development** Old Town, Level 3 **CPNP Executive Committee** Pullman, Level 3

Saturday, October 19

7:00am - 8:00am

**Research Committee** Huron, Level 2 **Education Sig Committee** Pullman, Level 3 **Fellows Committee** Lakeview, Level 3 Public Affairs & Advocacy Committee Millennium Park, Level 2

**Ethics Committee** Old Town, Level 3

# Saturday, October 19

# 12:00pm - 2:00pm

IBD Committee CCQ Committee Endoscopy Committee

FMT SIG

Pancreas Committee Global Health SIG

**EHR SIG** 

**Past Presidents** 

**Training Program Directors** 

Arkansas, Level 2 Millennium Park, Level 2 Missouri, Level 2 Old Town, Level 3 Lakeview, Level 3 Pullman, Level 3 Mississippi, Level 2 Colorado, Level 2 Superior A/B, Level 2

Friday, October 18 6:30 am – 8:00 am Chicago 8

#### Why Do We Need Dietary Therapy in Crohn's Disease in an Era of Biologics?

Program Director: Robert N. Baldassano, MD

Colman Professor of Pediatrics, Children's Hospital of Philadelphia

Why Do We Need Diet in an Era of Biologics?

Dr. Lindsey Albenberg

Children's Hospital of Philadelphia, Philadelphia, PA

The need for alternatives to chronic immunosuppression as the prime treatment strategy in IBD is vital. Patients and families are concerned about drug safety and wish to manage their own IBD. Despite definite impact, the efficacy of current and novel biologics is limited in inducing and maintaining remission, and there are safety issues with long-term use. Given that gut luminal content is influenced by diet and drives inflammation, the evidence for therapeutic benefit with dietary therapy, and patients strong interest in dietary strategies, it is vital to include diet as part of the therapeutic strategy for IBD.

What Are the Targets for Dietary Therapy?

Dr. Arie Levine

Wolfson Medical Center, Tel Aviv, Israel

Recent evidence suggests that environmental factors and particularly diet may play a role in the pathogenesis of Crohn's disease. Identification of these factors would open a window on to new therapeutic targets for treatment and prevention. By identifying plausible dietary components that negatively affect the microbiome, mucous layer and intestinal permeability; we were able to develop a novel well-tolerated diet that leads to equivalent remission rates, an identical decrease in inflammation and similar changes to the microbiome when compared with EEN in a randomized controlled trial.

Present State of the Art on Dietary Management in Crohn's Disease

Dr. Eytan Wine

Edmonton Clinic Health Academy, Edmonton, Canada

There remains a gap between patient's interest in diet in IBD and what we as health care providers can deliver. Exclusive enteral nutrition has been an exception to this, with good clinical data for induction of remission in pediatric Crohn's disease, but recent studies offer exciting opportunities for innovation in dietary therapy.

The New Kid on the Block: The Crohn's Disease Exclusion Diet for Induction of Remission Rotem Sigall-Boneh, RD

Wolfson Medical Center, Tel Aviv, Israel

Diet has taken an important step forward with the adoption of EEN as a recommended first line therapy. This has led to a search for a more tolerable and feasible dietary approach for induction of remission. The existence of a novel dietary therapy comprised of a whole food diet coupled with 50% PEN will place diet and dietitians at the forefront of therapy of CD in the future.

Presented for attendees of the NASPGHAN Annual Meeting. This is not an official NASPGHAN event.

Financial support provided by Nestlé Health Science.

Nestlé Health Science is a Continuing Professional Education Accredited Provider with CDR, the credentialing agency for the Academy of Nutrition and Dietetics. Accredited provider number NE008. Nestlé Health Science is a Continuing Education Provider approved by the California Board of Registered Nursing; Provider Number 11366. 1.5 CPEUs available for dietitians and 1.5 contact hours available for nurses. There is no charge for participating in this program.

Friday, October 18 6:00pm - 10:00pm Chicago 10

#### Where Are We Now in the Management of Eosinophilic Esophagitis? Controversies and Catalysts

Program Director: Rod Smith, Scientific Director, Medscape

Program Agenda:

The goal of this activity is to update pediatric gastroenterologists on diagnosis, management, and emerging treatments for EoE.

Drs Hirano, Chehade and Gupta will engage in an interactive multi-format symposium, incorporating debate-style and Roundtable Panel Discussion presentation approaches, with a focus on the pediatric population. The following is the proposed content focus:

#### Introductions

Assessment of participant baseline knowledge, competence, and confidence on EoE answered using iPads; this may include a pediatric case of EoE with questions on guideline-based care (eg, from diagnosis to management)

Debating the pathogenesis of EoE

Is there variability between children and adults, race and gender?
Is EoE a progressive disease vs subtypes?
Can phenotypes be used to predict prognosis or therapeutic response?

Is diagnosis straightforward or are there still controversies?

Controversies related to PPI use and a discussion on updates in diagnostic criteria and steps for diagnosis, with a focus on the pediatric population

Headlines in EoE: A Roundtable Panel Discussion on the current and emerging management of EoE, which may include the role of

**Dietary modifications** 

Clinical data on topical and systemic glucocorticoids

Emerging treatments, clinical trial design, and the latest clinical data

The role of various HCPs in diagnosis and management: from the pediatric gastroenterologist to the allergist/clinical immunologist

#### Posteducation assessment

Learning Objectives:

Upon completion of this activity, learners will have

Increased knowledge regarding the Pathogenesis of EoE
Clinical presentations of EoE in the pediatric population
Clinical data on emerging therapies for EoE

Incorporating the latest guidelines for diagnosis of EoE

A coordinated team approach to evidence-based management of patients with EoE

Supported by: Takeda Pharmaceutical Company Limited

Shire is now part of Takeda

Greater competence related to

Saturday, October 19 6:30 am – 8:00 am Chicago 8

# A Clinical Overview and Application of Omega-3 Fatty Acid Containing Lipid Emulsions

FEATURING Gordon Sacks PharmD, BCNSP, FASPEN, FCCP Senior Director Medical Affairs Fresenius Kabi USA

This presentation will provide an overview of Omega-3 fatty acids in parenteral nutrition lipid emulsions for neonatal, pediatric and adult patients, as well as the clinical application of fish oil-containing lipid emulsions, for parenteral nutrition.

Supported by: Fresenius Kabi

Saturday, October 19 6:30 am – 8:00 am Chicago 10

#### Pediatric SBS Unplugged: Advances in Achieving Better Long-Term Outcomes

Program Director: Rod Smith, Scientific Director, Medscape

#### Program Agenda:

Pediatric short bowel syndrome (SBS) is a serious condition that without treatment is fatal in children. SBS continues to present diagnostic and management challenges for clinicians. In this live, interactive symposium, Drs Iyer and Cohran will use real patient cases to present their perspectives on the diagnosis and management of the condition, with a focus on novel treatments to improve intestinal adaptation and rehabilitation while managing risks and reducing long-term complications. The audience will have the opportunity to engage the faculty by submitting questions and participating in clinical decision making.

# Learning Objectives:

Upon completion of this activity, learners will have:

- Increased knowledge regarding the
  - Management goals for pediatric patients with SBS within the scope of the multidisciplinary team of healthcare providers
  - Strategies to reduce dependence on PN
  - o Clinical data on pharmacotherapeutic options for pediatric SBS
- Greater competence related to
  - o Identifying pediatric patients who may benefit from new treatments for SBS
  - Managing short- and long-term complications of pediatric SBS
- Greater confidence in their ability to communicate the risks and benefits of treatment options for pediatric SBS to parents

Supported by: Takeda Pharmaceutical Company Limited Shire is now part of Takeda

#### POSTER SESSION I

Thursday, October 17, 2019
5:00pm – 7:00pm
Presenters at their posters from 5:30pm – 6:30pm

\*Posters of Distinction

#### ENDOSCOPY/QI/EDUCATION

- 1 HEPATOBLASTOMA OF INFANCY; TIP OF THE ICEBERG WITH APC GENE MUTATION. Hassan Abdullah, Ali Khalili. Pediatric Gastroenterology, UH Rainbow Babies and Children's Hospital, Seven Hills, OH, USA.
- 2 FOREIGN BODY INGESTION IN PEDIATRIC PATIENTS IN ABU DHABI CITY. Nafea Alyasi, David Rawat, Huda AlGhafli. Pediatric Gastroentrology, Sheikh Khalifa Medical City, Dubai, United Arab Emirates.
- 3 INCIDENCE OF SIGNIFICANT MEDICAL CO-MORBIDITIES IN CHILDREN UNDERGOING UPPER AND LOWER ENDOSCOPY. Swati Antala, Bridget Whitehead, Lee Bass. Pediatrics, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA.
- 4 IMPROVING UTILIZATION OF PROACTIVE ANTI-TNF THERAPEUTIC DRUG MONITORING: A QUALITY IMPROVEMENT INITIATIVE. Scheherzade Aslam, Joseph Abraham, Gia Bradley. Pediatrics, Herman & Walter Samuelson Children's Hospital at Sinai, Baltimore, MD, USA.
- 5 SURVEY OF PEDIATRIC RESIDENTS' PREPAREDNESS TO EVALUATE AND INITIALLY MANAGE SUSPECTED NON-ALCOHOLIC FATTY LIVER DISEASE IN CHILDREN. Namrata Patel<sup>1,2</sup>, Nour Asfour<sup>3</sup>, Ruba Azzam<sup>2</sup>.

  <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of California- San Francisco, San Francisco, CA, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Chicago, Chicago, IL, USA; <sup>3</sup>Public Health, Brown University, Providence, RI, USA.
- 6 SINGLE-BALLON ENTEROSCOPY IN CHILDREN: EXPERIENCE AT A MEXICAN PEDIATRIC CENTER. Lina Banos Rocha<sup>1</sup>, Josefina Cázares Méndez<sup>2</sup>, Martha López Ugalde<sup>2</sup>, Ericka Montijo<sup>1</sup>, Roberto Cervantes Bustamante<sup>1</sup>, Jaime Ramírez Mayans<sup>1</sup>. <sup>1</sup>Gastroenterologia, Instituto Nacional de Pediatría, Ciudad de Mexico, Mexico, Mexico, Mexico; <sup>2</sup>Gastroenterología y Endoscopia Digestiva Pediátrica, Ciudad de México, Mexico.
- 7 ENDOSCOPIST, PATIENT AND PROCEDURE CHARACERISTICS PREDICT FLUOROSCOPY UTILIZATION DURING PEDIATRIC ERCP. Monique Barakat<sup>1,2</sup>, Roberto Gugig<sup>2</sup>, William Berquist<sup>2</sup>. <sup>1</sup>Division of Gastroenterology & Hepatology, Stanford University Medical Center, Cupertino, CA, USA; <sup>2</sup>Division of Gastroenterology & Hepatology, Lucille Packard Children's Hospital at Stanford, Stanford, CA, USA.
- 8 EVOLUTION OF PEDIATRIC ERCP INDICATIONS, UTILIZATION AND OUTCOMES: A NATIONWIDE POPULATION-LEVEL ANALYSIS. Monique Barakat<sup>1,2</sup>, George Cholankeril<sup>1</sup>, Roberto Gugig<sup>2</sup>, William Berquist<sup>2</sup>. <sup>1</sup>Division of Gastroenterology & Hepatology, Stanford University Medical Center, Cupertino, CA, USA; <sup>2</sup>Division of Gastroenterology & Hepatology, Lucille Packard Children's Hospital at Stanford, Stanford, CA, USA.

- 9 MULTIFOCAL LYMPHANGIOENDOTHELIOMATOSIS WITH THROMBOCYTOPENIA: AN UNCOMMON CAUSE FOR SEVERE GASTROINTESTINAL BLEED AND RASH IN A 6 MONTH OLD. Jonathan Beri, Erika Kutsch. Pediatric Gastroenterology, Nemours, Springfield, PA, USA.
- 10 AWAKE UNSEDATED ENDOSCOPY- THE FUTURE OF UPPER ENDOSCOPY. Vrinda Bhardwaj. Peds Gastroenterology, CHLA, Los Angeles, CA, USA.
- 11 IMPROVING INFLUENZA VACCINATION RATE IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE ON ADALIMUMAB: A QUALITY IMPROVEMENT PROJECT. Natalie Bhesania, Lori Mahajan, Madelyn Cohen, Barbara Kaplan. Pediatric Gastroenterology, Cleveland Clinic Children's Hospital, Cleveland, OH, USA.
- 12 RARE CASE OF DOUBLE ESOPHAGEAL WEB IN A TWO-YEAR-OLD. Archana Reddy Bongurala, Ayesha Fatima. Pediatrics, William Beaumont Hospital, Royal oak, MI, USA.
- DIAGNOSIS TO TREATMENT OF INFLAMMATORY BOWEL DISEASE. Daniella Caudle<sup>1</sup>, Elizabeth Yarger<sup>3</sup>, Loura Yvonne Abernathy<sup>3</sup>, Kelly Sandberg<sup>2</sup>. <sup>1</sup>Medical Student, Boonshoft School of Medicine, Dayton, OH, USA; <sup>2</sup>Gastroenterology, Dayton Children's Hospital, Dayton, OH, USA; <sup>3</sup>Dayton Children's Hospital, Dayton, OH, USA.
- 14 NONINVASIVE METHODS TO PREDICT ESOPHAGEAL VARICES IN MEXICAN CHILDREN. Lissa De la Vega<sup>1</sup>, Sean Trauernicht<sup>1</sup>, America Miranda<sup>2</sup>, Salvador Villalpando<sup>1</sup>. <sup>1</sup>Gastroenterology and Nutrition, Hospital Infantil de México Federico Gómez, Mexico City, Mexico City, Mexico; <sup>2</sup>Medical Investigation Unit, Hospital Infantil de Mexico Federico Gomez, Mexico City, Mexico City, Mexico.
- TRANSIENT END TIDAL CO<sub>2</sub> ELEVATION DURING PEDIATRIC UPPER ENDOSCOPY WITH CO<sub>2</sub> INSUFFLATION: IS IT TRUE SYSTEMIC HYPERCAPNIA? Chinenye Dike<sup>1</sup>, Riad Rahhal<sup>1</sup>, Sarah Titler<sup>2</sup>, Warren Bishop<sup>1</sup>.

  <sup>1</sup>Pediatric Gastroenterology, University of Iowa, Coralville, IA, USA; <sup>2</sup>Pediatric Anesthesiology, University of Iowa, Iowa City, IA, USA.
- 16 FREQUENT VARIATION AND VALUE IN PEDIATRIC COLONOSCOPY. Emily Duner<sup>1</sup>, Jay Hochman<sup>2</sup>, Janet Figueroa<sup>3</sup>, Jeffery Lewis<sup>2</sup>. <sup>1</sup>Northwestern University, Evanston, IL, USA; <sup>2</sup>GI Care for Kids, Atlanta, GA, USA; <sup>3</sup>Biosttatistics, Emory University, Atlanta, GA, USA.
- \*17 SURVIVAL BENEFIT FOR INDIVIDUALS WITH CONSTITUTIONAL MISMATCH REPAIR DEFICIENCY SYNDROME WHO UNDERGO SURVEILLANCE PROTOCOL. A REPORT FROM THE INTERNATIONAL REPLICATION REPAIR CONSORTIUM. Carol Durno<sup>1,2</sup>, Ayse Ercan<sup>5</sup>, Melissa Edwards<sup>5</sup>, Melyssa Aronson<sup>4</sup>, Anita Villani<sup>3</sup>, Eric Bouffet<sup>3,5</sup>, Steven Erdman<sup>7</sup>, Isabelle Scheers<sup>6</sup>, Annika Bronsema<sup>8</sup>, Uri Tabori<sup>3,5</sup>. ¹Division of Gastroenterology/Hepatology and Nutrition, The Hospital for Sick Children, Toronto, ON, Canada; ¹Department of Surgery, The Zane Cohen Center, Mount Sinai Hospital, Toronto, ON, Canada; ³Divison of Hematology and Oncology, The Hospital for Sick Children, Toronto, ON, Canada; ⁴The Zane Cohen Center, Mount Sinai Hospital, Toronto, ON, Canada; ⁵The Arthur and Sonia Labatt Brain Tumour Research Centre, The Hospital for Sick Children, Toronto, ON, Canada; <sup>6</sup>Cliniques Universitaires St Luc, Brussels, Belgium; <sup>7</sup>Nationwide Children's Hospital, Columbus, OH, USA; <sup>8</sup>Medical Center Hamburg-Eppendorf (UKE), Hamburg, Germany.

- NORMAL DIGESTIVE ENDOSCOPY IN CHILDREN: SERIAL BIOPSIES IMPACT ON CLINICAL MANAGEMENT.

  Paula Elia<sup>1,2</sup>, Francisco Milanesi<sup>3</sup>, VITOR CUNHA<sup>3</sup>. <sup>1</sup>Digestive Endoscopy, Instituto Fernandes Figueira FIOCRUZ, Rio de Janeiro, Rio de Janeiro, Brazil; <sup>2</sup>Digestive Endoscopy, Hospital Estadual da Criança, Rio de Janeiro, Rio de Janeiro, Brazil; <sup>3</sup>Pediatric Surgery, Instituto Fernandes Figueira FIOCRUZ, Rio de Janeiro, Rio de Janeiro, Brazil.
- 19 SHALL WE SIMULATE? EXPLORING INTEGRATION OF SIMULATION-BASED ENDOSCOPY TRAINING AND ASSESSMENT IN NORTH AMERICAN PEDIATRIC GASTROENTEROLOGY FELLOWSHIP TRAINING PROGRAMS.

  Aayush Gabrani<sup>1</sup>, Iona Monteiro<sup>1</sup>, Catharine Walsh<sup>2</sup>. <sup>1</sup>Pediatrics, Rutgers New Jersey Medical School, Newark, NJ, USA; <sup>2</sup>Paediatrics, Hospital for Sick Children, Toronto, ON, Canada.
- 20 VITAMIN D MONITORING IN PEDIATRIC IBD PATIENTS: IMPROVING PATIENT CARE AND VALUE. Kriston Ganguli, Kathryn Czepiel, Esther Israel. Pediatric Gastroenterology, MassGeneral Hospital for Children, Boston, MA, USA.
- 21 THE EFFECTS OF CAPNOGRAPHY DURING SEDATION IN UPPER PEDIATRIC GASTROINTESTINAL ENDOSCOPIC PROCEDURES. Nelgin Gerenli<sup>1</sup>, Ebru Tarikci-Kilic<sup>2</sup>. <sup>1</sup>pediatric Gastroenterology, Health Sciences University, Umraniye Training Hospital, Istanbul, Turkey; <sup>2</sup>Anesthesiology and Perioperative Care, Health Sciences University, Umraniye Training Hospital, Istanbul, Turkey.
- 22 NASPGHAN NUTRITION UNIVERSITY (N2U): A SURVEY OF ITS EFFICACY AS CONTINUING NUTRITION EDUCATION FOR NASPGHAN MEMBERS. Praveen Goday<sup>1</sup>, Lauren Fiechtner<sup>2</sup>, Catherine Larson-Nath<sup>5</sup>, Nisha Mangalat<sup>3</sup>, Ann Scheimann<sup>4</sup>, Timothy Sentogo<sup>6</sup>, Justine Turner<sup>7</sup>. <sup>1</sup>Pediatrics, Medical College of Wisconsin, Brookfield, WI, USA; <sup>2</sup>Pediatrics, Massachusetts General Hospital, Boston, MA, USA; <sup>3</sup>Pediatrics, St. Louis University, St. Louis, MO, USA; <sup>4</sup>Pediatrics, John's Hopkins University, Baltimore, MD, USA; <sup>5</sup>Pediatrics, University of Minnesota, Minneapolis, MN, USA; <sup>6</sup>Pediatrics, University of Chicago, Chicago, IL, USA; <sup>7</sup>Pediatrics, University of Alberta, Edmonton, AB, Canada.
- 23 MASSIVE RECTAL PROLAPSE SECONDARY TO POLYPOSIS SYNDROME. Cassandra Nelson<sup>1</sup>, Ryan Becker<sup>2</sup>, Ketroya Oliver<sup>2</sup>, Suchitra Hourigan<sup>1,2</sup>, Peter Lee<sup>1,2</sup>, Natalie Sikka<sup>1,2</sup>. <sup>1</sup>Pediatrics, INOVA Children's Hospital, Vienna, VA, USA; <sup>2</sup>Pediatric Specialists of Virginia, Fairfax, VA, USA.
- 24 BUTTON BATTERY "TIME TO REMOVAL": 10-YEAR EXPERIENCE AT A SINGLE TERTIARY REFERRAL MEDICAL CENTER. Elizabeth Sinclair<sup>1</sup>, Matthew Santore<sup>2</sup>, Cary Sauer<sup>1</sup>, Erica Riedesel<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Emory University/CHOA, Decatur, GA, USA; <sup>2</sup>Pediatric Surgery, Emory University/CHOA, Atlanta, GA, USA; <sup>3</sup>Pediatric Radiology, Emory University/CHOA, Atlanta, GA, USA.
- 25 ENDOSCOPIC AID IN MANAGEMENT OF SEROTONIN SYNDROME. John Stone, Gracita Osea, Ricardo Arbizu. Pediatric Gastroenterology, Medical University of South Carolina, Hanahan, SC, USA.

# **EOE/GERD/AERODIGESTIVE**

APPLICATION OF THE PEDIATRIC FEEDING DISORDER DIAGNOSTIC CRITERIA (BASED UPON THE WORLD HEALTH ORGANIZATION INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY, AND HEALTH)
TO IMPROVE UNDERSTANDING OF THE COMPLEX AERODIGESTIVE PATIENT. Erin Alexander<sup>1</sup>, Molissa

Hager<sup>1</sup>, Beth Ruechel<sup>1</sup>, Laura Steinauer<sup>2</sup>, Andrea Armellino<sup>3</sup>, Rayna Grothe<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Pharmacy, Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Endocrinology, Diabetes, and Nutrition, Mayo Clinic, Rochester, MN, USA.

- 27 EOSINOPHILIC GASTROINTESTINAL DISEASE IS COMMON FOLLOWING INTESTINAL TRANSPLANTATION.
  Brandon Arnold<sup>1,3</sup>, Lin Fei<sup>4</sup>, Huayiu Zang<sup>4</sup>, Adam Magier<sup>2</sup>, Vincent Mukkada<sup>1,3</sup>, Samuel Kocoshis<sup>1,3</sup>, Patricia Fulkerson<sup>2,3</sup>. ¹Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ²Division of Allergy and Immunology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ³Department of Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ⁴Division of Biostatistics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 28 INVESTIGATING PREDICTORS OF EOSINOPHILIC ESOPHAGITIS IN CHILDREN WITH ESOPHAGEAL DYSFUNCTION UNDERGOING INITIAL ENDOSCOPY. Paroma Bose<sup>1</sup>, Eric Albright<sup>3</sup>, Muhammad Idrees<sup>3</sup>, Anthony Perkins<sup>4</sup>, Cindy Sawyers<sup>1</sup>, Sandeep Gupta<sup>2</sup>, Emily Hon<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Riley Hospital for Children/ Indiana University School of Medicine, Indianapolis, IN, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Illinois/University of Illinois College of Medicine, Peoria, IL, USA; <sup>3</sup>Pathology and Laboratory Medicine, Indiana University School of Medicine, Indianapolis, IN, USA; <sup>4</sup>Biostatistics, Indiana University School of Medicine, Indianapolis, IN, USA.
- 29 PPI RESPONSE IN CHILDREN WITH EOSINOPHILIC ESOPHAGITIS: A PROSPECTIVE STUDY. Paroma Bose<sup>1</sup>, Eric Albright<sup>3</sup>, Muhammad Idrees<sup>3</sup>, Anthony Perkins<sup>4</sup>, Cindy Sawyers<sup>1</sup>, Sandeep Gupta<sup>2</sup>, Emily Hon<sup>1</sup>.

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- MAST CELLS IN ADDITION TO EOSINOPHILS ARE ELEVATED AT BASELINE IN PATIENTS WITH EOSINOPHILIC GASTRITIS AND/OR GASTROENTERITIS. Evan Dellon³, Kathryn Peterson², Robert Genta⁴, Joseph Murray⁵, Nirmala Gonsalves⁶, Mirna Chehade⁷, Marc Rothenberg⁶, Paneez Khoury⁶, Adam Bledsoe⁶, Camilla Shaw¹, Henrik Rasmussen¹, Bhupinder Singh¹, Alan Chang¹, Bradford Youngblood¹, Ikuo Hirano⁶. ¹Medical Affairs, Allakos Inc, Redwood City, CA, USA; ²University of Utah, Salt Lake City, UT, USA; ³University of North Carolina, Chapel Hill, NC, USA; ⁴Baylor College of Medicine, Houston, TX, USA; ⁵Mayo Clinic Rochester, Rochester, MN, USA; ⁶Northwestern University, Chicago, IL, USA; ¬Icahn School of Medicine at Mt Sinai, New York City, NY, USA; ⁶Cincinnati Children¹s Hospital Medical Center, Cincinnati, OH, USA; ഐNIH/NIAID, Bethesda, MD, USA.
- BASELINE CHARACTERIZATION OF ADOLESCENT AND ADULT PATIENTS WITH EOSINOPHILIC ESOPHAGITIS (EOE) USING THE EOE HISTOLOGY SCORING SYSTEM: ANALYSES FROM A RANDOMIZED, PLACEBO-CONTROLLED TRIAL. Margaret Collins<sup>1</sup>, Evan Dellon<sup>2</sup>, Ikuo Hirano<sup>3</sup>, David Katzka<sup>4</sup>, Vincent Mukkada<sup>5</sup>, James Williams<sup>6</sup>, Lan Lan<sup>6</sup>, Nirav Desai<sup>6</sup>. <sup>1</sup>Department of Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Center for Esophageal Diseases and Swallowing, Division of Gastroenterology and Hepatology, Department of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA; <sup>3</sup>Division of Gastroenterology and Hepatology, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>4</sup>Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA; <sup>5</sup>Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical

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32 EOSINOPHILIC ESOPHAGITIS AND PPI USE IN A RACIALLY DIVERSE COHORT. Caitlin Cutler<sup>1</sup>, Seema Khan<sup>1</sup>, Hemant Sharma<sup>1</sup>, Sohel Rana<sup>2</sup>. <sup>1</sup>Children's National Medical Center, Washington, , USA; <sup>2</sup>Children's National Medical Center, Washington, , USA.

#### FEEDING MATTERS OUTSTANDING FEEDING DISORDER ABSTRACT AWARD

- ACID SUPPRESSION DOES NOT IMPROVE LARYNGOMALACIA OUTCOMES. Daniel Duncan<sup>2,1</sup>, Kara Larson<sup>2,4</sup>, Reza Rahbar<sup>3,4</sup>, Rachel Rosen<sup>2,1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Aerodigestive Center, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Center for Airway Disorders, Boston Children's Hospital, Boston, MA, USA; <sup>4</sup>Otolaryngology, Boston Children's Hospital, Boston, MA, USA.
- UTILITY OF BIOMARKERS IN PEDIATRIC EOSINOPHILIC ESOPHAGITIS FOR DIAGNOSIS AND EVALUATION OF RESPONSE TO TREATMENT. Sonia Fernandez- Fernandez¹, Carolina Gutierrez-Junquera², Jose Antonio Cañas³, Maria Luz Cilleruelo², Belen Borrell¹, Ana Isabel Rayo¹, Victoria Del Pozo³, Enriqueta Román².
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- USE OF UNSEDATED TRANSNSASAL ESOPHAGOSCOPY TO MONITOR DIETARY MANAGEMENT OF EOSINOPHILIC ESOPHAGITIS IN CHILDREN. Joel Friedlander<sup>1,2</sup>, David Fleischer<sup>3</sup>, Jennifer Black<sup>4</sup>, Meredith Levy<sup>1</sup>, Marc Rothenberg<sup>5</sup>, Clinton Smith<sup>1,2</sup>, Glenn Furuta<sup>1,6</sup>. <sup>1</sup>Digestive Health Institute, University of Colorado-Denver, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>Aerodigestive Program, Children's Hospital Colorado, Aurora, CO, USA; <sup>3</sup>Section of Allergy and Immunology, Children's Hospital Colorado, University of Colorado School of Medicine, Aurora, CO, USA; <sup>4</sup>Division of Pediatric Pathology, Department of Pathology, University of Colorado School of Medicine, Aurora, CO, USA; <sup>5</sup>Division of Allergy and Immunology, Cincinnati Children's Hospital Medical Center, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>6</sup>Gastrointestinal Eosinophilic Diseases Program,, Children's Hospital Colorado, Aurora, CO, USA.
- MUTATION OF TGFBR1 IN NONHEMATOPOIETIC CELLS DRIVES EOSINOPHILIC INFLAMMATION IN THE ESOPHAGUS. Anthony Guerrerio<sup>1</sup>, Karen Lakey<sup>2</sup>, Jessica Kinard<sup>2</sup>, Jenny Li<sup>2</sup>, Ajinkya Limkar<sup>2</sup>, Helene Rosenberg<sup>2</sup>, Pamela Frischmeyer-Guerrerio<sup>2</sup>. <sup>1</sup>Pediatrics, Johns Hopkins University School of Medicine, Baltimore, MD, USA; <sup>2</sup>NIAID, NIH, Bethesda, MD, USA.
- 37 EFFECTS OF PEDIATRIC EOSINOPHILIC ESOPHAGITIS AND ITS TREATMENT ON BONE HEALTH: A RETROSPECTIVE REVIEW. Anna Henderson<sup>1</sup>, Soofia Khan<sup>1</sup>, Lindsey Hornung<sup>2</sup>, Vincent Mukkada<sup>1</sup>, Heidi Kalkwarf<sup>1</sup>. <sup>1</sup>Gastroenterology, Cincinnati Children's, Cincinnati, OH, USA; <sup>2</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital, Cincinnati, OH, USA.

## APFED OUTSTANDING EGID ABSTRACT AWARD

38 MONITORING EOSINOPHILIC ESOPHAGITIS DISEASE ACTIVITY WITH BLOOD EOSINOPHIL PROGENITOR LEVELS. Anna Henderson<sup>1</sup>, Adam Magier<sup>2</sup>, Justin Schwartz<sup>2</sup>, Lisa Martin<sup>4</sup>, Margaret Collins<sup>3</sup>, Philip Putnam<sup>1</sup>, Vincent Mukkada<sup>1</sup>, J Abonia<sup>2</sup>, Marc Rothenberg<sup>2</sup>, Patricia Fulkerson<sup>2</sup>. <sup>1</sup>Gastroenterology, Cincinnati Children's , Cincinnati, OH, USA; <sup>2</sup>Allergy and Immunology, Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>3</sup>Pathology and Laboratory Medicine, Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>4</sup>Human Genetics, Cincinnati Children's Hospital, Cincinnati, OH, USA.

- 39 DIFFERENCES IN PRACTICE PATTERNS BETWEEN MULTIDISCIPLENARY AERODIGESTIVE
  GASTROENTEROLOGISTS AND GENERAL GASTROENTEROLOGISTS. Rachel Rosen<sup>1</sup>, Joel Friedlander<sup>3</sup>,
  Benjamin Gold<sup>2</sup>, Vrinda Bhardwaj<sup>4</sup>, Dana Williams<sup>5</sup>, Diana Lerner<sup>7</sup>, Dominique Levesque<sup>6</sup>, Hayat Mousa<sup>8</sup>,
  Eric Chiou<sup>9</sup>, Christophe Faure<sup>10</sup>, Daniel Duncan<sup>1</sup>, Philip Putnam<sup>12</sup>, Margot Lurie<sup>1</sup>, Jeremy Prager<sup>3</sup>, Melanie
  Greifer<sup>11</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Wellesley, MA, USA; <sup>2</sup>Emory University, Atlanta,
  GA, USA; <sup>3</sup>Children's Hospital Colorado, Aurora, CO, USA; <sup>4</sup>Children's Hospital of LA, Los Angeles, CA, USA;
  <sup>5</sup>Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>6</sup>McGill University Health Systems, Montreal, QC, Canada;
  <sup>7</sup>Medical College of Wisconsin, Milwaukee, WI, USA; <sup>8</sup>CSD-Rady Children's Hospital, San Diego, CA, USA;
  <sup>9</sup>Texas Children's Hospital, Houston, TX, USA; <sup>10</sup>Montreal Children's Hospital, Cincinnati, OH, USA.
- 40 USE OF SYSTEMIC STEROIDS IN ESOPHAGEAL STRICTURE SECONDARY TO EOSINOPHILIC ESOPHAGITIS: A CASE REPORT. Michael Schmalz, Barbara Kaplan, Sophia Patel, Praveen Kumar Conjeevaram Selvakumar. Pediatric Gastroenterology, Clevaland Clinic Children's, Cleveland, OH, USA.

#### **FUNCTIONAL/MOTILITY**

#### **CVSA YOUNG INVESTIGATOR AWARD**

- 41 PREDICTORS OF HOSPITALIZATION FOR CHILDREN WITH CYCLIC VOMITING SYNDROME. Zeyad Abdulkader, Neetu Bali, Karla Vaz, Desalegn Yacob, Carlo Di Lorenzo, Peter Lu. Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA.
- 42 TRENDS AND COST OF HOSPITALIZATION FOR PEDIATRIC CYCLIC VOMITING SYNDROME: 2008-2018.

  Zeyad Abdulkader, Neetu Bali, Karla Vaz, Desalegn Yacob, Carlo Di Lorenzo, Peter Lu. Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA.
- HIRSCHSPRUNG DISEASE: EVALUATION AND TREATMENT OF THE POST PULL THROUGH SURGERY PATIENT WHO IS NOT DOING WELL. Hira Ahmad¹, Desalegn Yacob¹,², Devin Halleran¹, Alessandra Gasior¹, Richard Wood¹, Carlo Di Lorenzo², Marc Levitt¹. ¹Center for Colorectal and Pelvic Reconstruction, Nationwide Children's Hospital, Columbus, OH, USA; ²Division of Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA.
- 44 TRENDS IN HOSPITAL ADMISSIONS FOR CYCLIC VOMITING ASSOCIATED WITH CANNABIS USE. Jessica Deas, Sabina Ali. Gastroenterology, UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA.
- 45 CHARACTERIZATION OF COLON TISSUE MICROBIOTA IN HIRSCHSPRUNG'S DISEASE PATIENTS WITH AND WITHOUT ENTEROCOLITIS: A PILOT STUDY. Ricardo Arbizu<sup>1</sup>, David Collins<sup>2</sup>, J. Antonio Quiros<sup>1</sup>, Robert Wilson<sup>3</sup>, Alexander Alekseyenko<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA; <sup>2</sup>South Carolina Clinical and Translational Research Institute, Medical University of South Carolina, Charleston, SC, USA; <sup>3</sup>Department of Pathology and Laboratory Medicine, Medical University of South Carolina, Charleston, SC, USA.
- 46 THE NOT SO RARE ABSENT RAIR (RECTOANAL INHIBITORY REFLEX): A REVIEW OF 1072 ANORECTAL MANOMETRY STUDIES. Desiree Baaleman<sup>1,2</sup>, Monica Malamisura<sup>1,3</sup>, Hira Ahmad<sup>4</sup>, Marc Benninga<sup>2</sup>, Neetu Bali<sup>1,4</sup>, Karla Vaz<sup>1,4</sup>, Desalegn Yacob<sup>1,4</sup>, Carlo Di Lorenzo<sup>1,4</sup>, Peter Lu<sup>1,4</sup>. ¹Division of Gastroenterology,

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- 47 CHARACTERIZING AN OUTPATIENT SAMPLE OF PEDIATRIC PATIENTS WITH RUMINATION SYNDROME OVER A 5-YEAR PERIOD. Kari Baber<sup>1,2</sup>, Kelly Rodriguez<sup>1,2</sup>, Alain Benitez<sup>2</sup>, Svetlana Ostapenko<sup>3</sup>, Ritu Verma<sup>4</sup>. <sup>1</sup>Department of Child and Adolescent Psychiatry and Behavioral Sciences, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Department of Pediatrics/Division of Gastroenterology, Hepatology & Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Department of Biomedical and Health Informatics, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Pediatric Gastroenterology, Hepatology & Nutrition, The University of Chicago Medicine, Chicago, IL, USA.
- 48 AN INTERESTING CASE OF INTERMITTENT DYSPNEA AND CONSTIPATION IN A PATIENT WITH MULTIPLE ENDOCRINE NEOPLASIA IIB. Ayesha Baig, Thomas Rossi, Lawrence Saubermann. Pediatric Gastroenterology, University of Rochester, Rochester, NY, USA.
- 49 LUBIPROSTONE HAS PROKINETIC EFFECT DEMONSTRATED ON COLONIC MANOMETRY. Amani Bajunayd, John Desbiens, Lindsay Clarke, Anil Darbari. Pediatric Gastroenterology, Children's National Medical Center, Washington, DC, USA.
- 50 ANAL ACHALSIA MIMICKING HIRSCHSPRUNG DISEASE LIKE PRESENTATION IN WAARDENBURG SYNDROME. Amani Bajunayd<sup>1,2</sup>, Lina Diaz<sup>1</sup>, John Desbiens<sup>1</sup>, Anil Darbari<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's National Medical Center, Washington, DC, USA; <sup>2</sup>Pediatrics, George Washington University, Washington, DC, USA.
- 51 CHARACTERIZATION OF ANORECTAL MANOMETRY OF CHILDREN WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD). Corey Baker<sup>1</sup>, Casey Silvernale<sup>2</sup>, Claire Zar-Kessler<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, MassGeneral Hospital for Children, Belmont, MA, USA; <sup>2</sup>Gastroenterology, MassGeneral Hospital, Boston, MA, USA.
- 52 CLINICAL CHARACTERISTICS, TRENDS AND OUTCOMES IN PEDIATRIC OUTCOMES IN PEDIATRIC CYCLIC VOMITING SYNDROME IN THE UNITED STATES. Corey Baker<sup>1</sup>, Adeyinka Adejumo<sup>3</sup>, Braden Kuo<sup>2</sup>, Claire Zar-Kessler<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, MassGeneral Hospital for Children, Belmont, MA, USA; <sup>2</sup>Gastroenterology, MassGeneral Hospital, Boston, MA, USA; <sup>3</sup>Internal Medicine, North Shore Medical Center, Salem, MA, USA.
- EVALUATING AND DEFINING FOLLICULAR HYPERPLASIA IN THE APPENDIX OF CHILDREN WITH CHRONIC RIGHT LOWER QUADRANT ABDOMINAL PAIN AND ITS CLINICOPATHOLOGIC IMPLICATIONS. Jessica Barry<sup>1</sup>, Catherine Forse<sup>3</sup>, Thomas Plesec<sup>3</sup>, Sarah Worley<sup>4</sup>, Federico SEIFARTH<sup>2</sup>, Lori Mahajan<sup>1</sup>. ¹pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; ²Pediatric Surgery, Kalispell Regional Healthcare, Kalispell, MT, USA; ³Anatomic Pathology, Cleveland Clinic, Cleveland, OH, USA; <sup>4</sup>Quantitative Health Sciences, Cleveland Clinic, Cleveland, OH, USA.

- IDENTIFICATION OF BILE ACID DIARRHEA IN ADOLESCENTS WITH DIARRHEA PREDOMINANT IRRITABLE BOWEL SYNDROME. Beate Beinvogl¹, Louai Manini², Michael Camilleri³, Leslie Donato⁴, Absah Imad², Elizabeth Burch¹, Neil Schechter⁵, Samuel Nurko¹. ¹Pediatric Gastroenterology, Center for Motility and Functional Gastrointestinal Disorders, Boston Children's Hospital, Boston, MA, USA; ²Division of Pediatric Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA; ³Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA; ⁴Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN, USA; ⁵Department of Anesthesiology, Critical Care and Pain Medicine, Boston Children's Hospital, BOston, MA, USA.
- IMPROVED FUNCTIONING PRECEDES IMPROVEMENT OF ABDOMINAL PAIN IN PEDIATRIC PATIENTS WITH FUNCTIONAL GASTROINTESTINAL DISORDERS. Beate Beinvogl<sup>1</sup>, Elizabeth Burch<sup>1</sup>, Julie Snyder<sup>1</sup>, Neil Schechter<sup>2</sup>, Amy Hale<sup>1</sup>, Bobbie Riley<sup>2</sup>, Emma Albright<sup>1</sup>, Toni Solari<sup>3</sup>, Samuel Nurko<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Center for Motility and Functional Gastrointestinal Disorders, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Department of Anesthesiology, Critical Care and Pain Medicine, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Pediatric Gastroenterology, Center for Nutrition, Boston Children's Hospital, Boston, MA, USA.
- UTILIZATION AND COST FOR PEDIATRIC IRRITABLE BOWEL SYNDROME BASED ON NATIONAL INSURANCE DATABASE CLAIMS DATA. Beate Beinvogl<sup>1</sup>, Nathan Palmer<sup>2</sup>, Isaac Kohane<sup>2</sup>, Samuel Nurko<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Center for Motility and Functional Gastrointestinal Disorders, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Department of Biomedical Informatics, Harvard Medical School, Boston, MA, USA.
- 57 PREVALENCE OF FUNCTIONAL GASTROINTESTINAL DISORDERS IN PANAMANIAN INFANTS UNDER 12
  MONTHS: COMPARISON BETWEEN THE ROME III AND ROME IV CRITERIA. Ricardo Chanis¹, Carlos VelascoBenitez². ¹Pediatria, Hospital del Niño, Panama, Panama; ²Pediatria, Universidad del Valle, Cali, Colombia.
- NAUSEA WORSENS FUNCTIONAL DISABILITY IN PEDIATRIC PATIENTS WITH CHRONIC OVERLAPPING PAIN CONDITIONS (COPC). Gisela Chelimsky¹, Rasiki Deshpande², Thomas Chelimsky³, Pippa Simpson², Mingen Feng², Jody Barbeau². ¹Gastroenterology, Medical College of Wisconsin, Milwaukee, WI, USA; ²Medical College of Wisconsin, Milwaukee, WI, USA; ³Neurology, Medical College of Wisconsin, Milwaukee, WI, USA.
- DIAGNOSTIC ACCURACY OF TWO HOUR AND THREE HOUR GASTRIC RETENTION VALUES IN CHILDREN UNDERGOING A FOUR HOUR GASTRIC EMPTYING SCINTIGRAPHY EVALUATION. Omar Malik<sup>1</sup>, Eric Chiou<sup>1</sup>, Robert Orth<sup>2</sup>, Robert Shulman<sup>1</sup>, Bruno Chumpitazi<sup>1</sup>. <sup>1</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Radiology, Texas Children's Hospital, Houston, TX, USA.

- 60 EVALUATION OF DEFECATION DISORDERS IN CHILDREN WITH AUTISM SPECTRUM DISORDER BY COLONIC MANOMETRY. Alexander Coe<sup>2</sup>, Jacob Ciricillo<sup>3</sup>, Khalil El-Chammas<sup>1</sup>, Neha Santucci<sup>1</sup>, Alisara Damrongmanee<sup>1</sup>, Lin Fei<sup>4</sup>, Chunyan Liu<sup>4</sup>, Ajay Kaul<sup>1</sup>. <sup>1</sup>Gastroenteroloty, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Department of Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>University of Toledo College of Medicine, Toledo, OH, USA; <sup>4</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- PREVALENCE OF JOINT HYPERMOBILITY IN CHILDREN WITH FUNCTIONAL GASTROINTESTINAL DISORDERS:

  A PROSPECTIVE CASE-CONTROL STUDY. Jessica Barry<sup>1</sup>, Hanan Nashed<sup>2</sup>, Sophia Patel<sup>1</sup>, Michael Schmalz<sup>1</sup>,
  Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition,
  Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>General Pediatrics, Cleveland Clinic, Cleveland, OH, USA.
- 62 URINARY CANNABIS METABOLITE CONCENTRATIONS IN CANNABINOID HYPEREMESIS SYNDROME.
  Jonathan Cordova<sup>2</sup>, Vincent Biank<sup>1</sup>, Jerrold Leikin<sup>2</sup>, Elizabeth Black<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology,
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- 63 EFFECTS OF PROVOCATIVE TESTING ON PHASE III MIGRATING MOTOR COMPLEX IN CHILDREN WITH NORMAL ANTRODUODENAL MANOMETRY. Alisara Damrongmanee<sup>1</sup>, Khalil El-Chammas<sup>1</sup>, Lin Fei<sup>2</sup>, Chunyan Liu<sup>2</sup>, Neha Santucci<sup>1</sup>, Ajay Kaul<sup>1</sup>. <sup>1</sup>Gastroenteroloty, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 64 CHARACTERIZATION OF MEGACOLON AND GASTROINTESTINAL PATHOPHYSIOLOGY IN PATIENTS WITH MULTIPLE ENDOCRINE NEOPLASIA 2. Claire Daniels<sup>2,1</sup>, Srivandana Akshintal<sup>3</sup>, Brigitte Widemann<sup>3</sup>, John Glod<sup>3</sup>, Colleen Hadigan<sup>1</sup>. <sup>1</sup>National Institute of Allergy and Infectious Disease, National Institutes of Health, Bethesda, MD, USA; <sup>2</sup>Pediatric Gastroenterology, Walter Reed National Military Medical Center, Bethesda, MD, USA; <sup>3</sup>National Cancer Institute, Pediatric Oncology Branch, National Institutes of Health, Bethesda, MD, USA.
- 65 EARLY POSTNATAL MALNUTRITION INDUCED BY LOW-PROTEIN LOW-FAT DIET CAUSES INTESTINAL DYSMOTILITY. Peace Dike<sup>1</sup>, Krishnakant Soni<sup>1</sup>, Tripti Halder<sup>1</sup>, Margaret Connor<sup>2</sup>, Geoffrey Preidis<sup>1</sup>.

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- DIFFERENCES AND HEALTH CARE DISPARITIES IN HOSPITALIZATIONS FOR MANAGEMENT OF CONSTIPATION IN CHIDLREN WITH AND WITHOUT AUTISM SPECTRUM DISORDER. Dalya El Tawil, Thomas Attard, Christina Kapalo Low PhD. Pediatric Gastroenterology, Children's Mercy Hospital, Overland Park, KS, USA.
- 67 A UNIQUE PRESENTATION OF PEDIATRIC INTESTINAL FAILURE: FAMILIAL CHRONIC INTESTINAL PSEUDOOBSTRUCTION OCCURRING WITH DIFFUSE INTRACRANIAL VASCULOPATHY A SYSTEMTIC SMOOTH
  MUSCLE DISORDER. Lindsey Gumer, Jason Soden. Digestive Health Diseases, Children's Hospital of
  Colorado, Denver, CO, USA.

- A CASE REPORT USING INTRAPYLORIC INJECTION OF BOTULINUM TOXIN-A TO TREAT PYLOROSPASM IN AN INFANT. Linley Harvie<sup>1,2</sup>, John Whitworth<sup>1,2</sup>, Cary Cavender<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, UTHSC, Memphis, TN, USA; <sup>2</sup>Pediatric Gastroenterology, LeBonheur Children's Hospital, Memphis, TN, USA.
- 69 REPORT OF A SUCCESSFUL, NON-SURGICAL MANAGEMENT OF A MASSIVE, ACUTE GASTRIC DISTENTION IN AN ADOLESCENT WITH BULIMIA NERVOSA. Aamer Imdad, Anam Farooqui. Pediatrics, SUNY Upstate Medical University, Syracuse, NY, USA.
- 70 EVALUATION OF PEDIATRIC ROME IV CRITERIA AND DIAGNOSTIC TESTING FOR FUNCTIONAL GASTROINTESTINAL DISORDERS. Isha Kaul<sup>1</sup>, Vincent Staggs<sup>2</sup>, Amber Bagherian<sup>2</sup>, Amna Ali<sup>1</sup>, Robert Shulman<sup>1</sup>, Jennifer M Colombo<sup>2</sup>, Jennifer Schurman<sup>2</sup>, Bruno Chumpitazi<sup>1</sup>, Craig Friesen<sup>2</sup>. <sup>1</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Pediatrics, University of Missouri-Kansas City School of Medicine and Children's Mercy Hospital, Kansas City, MO, USA.
- 71 EFFICACY AND FEASIBILITY OF THE LOW FODMAP DIET FOR CHILDREN WITH IRRITABLE BOWEL SYNDROME: A PROSPECTIVE COHORT STUDY AND PHONE SURVEY. Meghan Holzmacher<sup>1,2</sup>, Jody Wall<sup>1</sup>, Megan Puritz<sup>1</sup>, Kirsten Jones<sup>1</sup>, Lauren Storch<sup>1</sup>, Ross Maltz<sup>1</sup>, Neetu Bali<sup>1</sup>, Karla Vaz<sup>1</sup>, Desalegn Yacob<sup>1</sup>, Carlo Di Lorenzo<sup>1</sup>, Peter Lu<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>The Ohio State University College of Medicine, Columbus, OH, USA.
- 72 EFFICACY AND SAFETY OF ANAL SPHINCTER BOTULINUM TOXIN INJECTION IN CHILDREN WITH ANORECTAL AND COLONIC DISORDERS. Alexandra Hallagan<sup>2,1</sup>, Haley Pearlstein<sup>1</sup>, Kelsey Ryan<sup>2,1</sup>, Devin Halleran<sup>3</sup>, Marc Levitt<sup>3</sup>, Richard Wood<sup>3</sup>, Neetu Bali<sup>1,3</sup>, Karla Vaz<sup>1,3</sup>, Desalegn Yacob<sup>1,3</sup>, Carlo Di Lorenzo<sup>1,3</sup>, Peter Lu<sup>1,3</sup>. ¹Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; ²The Ohio State University College of Medicine, Columbus, OH, USA; ³Center for Colorectal and Pelvic Reconstruction, Nationwide Children's Hospital, Columbus, OH, USA.
- 73 MAST CELL ACTIVATION AND ELEVATED TRYPTASE IS ASSOCIATED WITH DEFECATORY DYSFUNCTION AND PELVIC FLOOR STRUCTURAL INSUFFICIENCY IN A GENETICALLY DEFINED COHORT OF PATIENTS. Lybil Mendoza Alvarez<sup>1</sup>, Manuel Amaris<sup>2</sup>, Jonathan Lyons<sup>3</sup>, Joshua Milner<sup>4</sup>, Matthew Hamilton<sup>5</sup>, Glover Sarah<sup>6</sup>. 

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- PERORAL ENDOSCOPIC MYOTOMY FOR THE TREATMENT OF ACHALASIA IN THREE PEDIATRIC PATIENTS.
  Padmini Nallapaneni<sup>1</sup>, Yoseph Gurevich<sup>2</sup>, Kanya Ahuja<sup>2</sup>, Toni Webster<sup>2</sup>, Petros Benias<sup>3</sup>, Samuel Bitton<sup>2</sup>,
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- 75 THE RE-EMERGING CLINICAL CHAMELEON: A CASE OF NEUROSYPHILIS. Alicia Olave-Pichon, Krystle Pereira, Rosalyn Diaz. Pediatrics, Puerto Rico Women's and Children's Hospital, Bayamon, , USA.
- 76 HEREDITARY ANGIOEDEMA: A RARE CAUSE OF RECURRENT ABDOMINAL PAIN. Lidija Palezac, Erika Kutsch. Pediatric Gastroenterology, Al duPont Hospital for Children, Wilmington, DE, USA.
- 77 IVIG FOR TREATMENT OF ACQUIRED PSEUDO-OBSTRUCTION OF UNKNOWN ETIOLOGY. Nicole Rademacher<sup>2</sup>, Thomas Chelimsky<sup>3</sup>, Manu Sood<sup>2</sup>, Robert Kliegman<sup>2</sup>, Donald Basel<sup>2</sup>, Gisela Chelimsky<sup>1</sup>.

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- 78 IMPEDANCE-MANOMETRY CORRELATES WITH SYMPTOM EXPERIENCE IN BELCH-REFLEX DYSFUNCTION.

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- AN UNUSUAL FINDING IN A TEENAGER WITH ABDOMINAL DISTENSION. Patrick Rowland<sup>1</sup>, R'celle Boyd<sup>2</sup>, Alida Dempsey<sup>2</sup>, Shaoli Sun<sup>3</sup>, Ricardo Arbizu<sup>2</sup>. <sup>1</sup>Pediatrics, Medical University of South Carolina, Charleston, SC, USA; <sup>2</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA; <sup>3</sup>Pathology and Laboratory Medicine, Medical University of South Carolina, Charleston, SC, USA.
- 80 MASSIVE FECAL IMPACTION MASQUERADING AS A SEPTIC HIP. Carolina Saldarriaga<sup>1</sup>, Stephen Kim<sup>3</sup>, Ian Mills<sup>1</sup>, Suchitra Hourigan<sup>2</sup>. <sup>1</sup>Pediatrics, Inova Children's Hospital, Washington, , USA; <sup>2</sup>Gastroenterology, Pediatric Specialists of Virginia, Falls church, VA, USA; <sup>3</sup>Pediatric Surgical Group, Falls Church, VA, USA.
- PSEUDOACHALASIA AFTER FUNDOPLICATION: FIRST REPORT OF A RARE DIAGNOSTIC CHALLENGE IN A CHILD! Muhammad Shaukat<sup>1</sup>, Neelesh Tipnis<sup>2</sup>, Thomas Ciecierega<sup>3</sup>, Adnan Altaf<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Oklahoma University Health sciences center, Oklahoma city, OK, USA; <sup>2</sup>Pediatric Gastroenterology, University of Alabama, Birmingham, AL, USA; <sup>3</sup>Pediatric Gastroenterology, NYP-Weill Cornell Medical College, New York, NY, USA.

#### **INFLAMMATORY BOWEL DISEASE**

- 82 *CROHN'S DISEASE ISOLATED TO THE APPENDIX IN A 7-YEAR-OLD.* Tonya Adamiak, Melissa Jensen. Pediatric Gastroenterology, Sanford, Sioux Falls, SD, USA.
- HOSPITALIZATIONS IN CHILDREN WITH INFLAMMATORY BOWEL DISEASES. Arik Alper, Miguel Algara, Uma Phatak, Dinesh Pashankar. Pediatrics, Yale University, New Haven, CT, USA.
- 84 SURGICAL INTERVENTION IN CHILDREN WITH INFLAMMATORY BOWEL DISEASES. Arik Alper, Miguel Algara, Uma Phatak, Dinesh Pashankar. Pediatrics, Yale University, New Haven, CT, USA.

- THROMBOPHILIA PROFILE IN PEDIATRIC PATIENT WITH INFLAMMATORY BOWEL DISEASE. Felipe Alvarez Chavez<sup>1</sup>, Rocío Macías<sup>1</sup>, Ana Rebeca Jaloma Cruz<sup>2</sup>, Roberto Garibaldi Covarrubias<sup>3</sup>. <sup>1</sup>Gastroenterología y Nutrición Pediátrica, Instituto Mexicano del Seguro Social (IMSS), Guadalajara, Jalisco, Mexico; <sup>2</sup>Centro de Investigación Biomédica de Occidente (CIBO), Instituto Mexicano del Seguro Social (IMSS), Guadalajara, Jalisco, Mexico; <sup>3</sup>Hematología Padiátrica, Instituto Mexicano del Seguro Social (IMSS), Guadalajara, Jalisco, Mexico.
- 86 QUALITY OF LIFE IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE. Lucia Alvarez Márquez, Rocío Macías. Department of Pediatric Gastroenterology and Nutrition, UMAE Hospital de Pediatria Centro Medico de Occidente IMSS, Guadalajara, Jalisco, Mexico.
- 87 IMPACT OF DISEASE LOCATION ON FECAL CALPROTECTIN ELEVATION IN THE INITIAL INVESTIGATION AND DIAGNOSIS OF PEDIATRIC INFLAMMATORY BOWEL DISEASE. Elaine Barfield<sup>1</sup>, Antonietta D'Urso<sup>1</sup>, Sharmi Biswas<sup>1</sup>, Jennifer Lentine<sup>1</sup>, Jacob Sweeney<sup>2</sup>, Victoria Cooley<sup>3</sup>, Debra Beneck<sup>2</sup>, Robbyn Sockolow<sup>1</sup>.

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- \*88 SERUM MIRNA A POTENTIAL PHARMACODYNAMICS BIOMARKER FOR TREATMENT RESPONSE IN PEDIATRIC INFLAMMATORY BOWEL DISEASE. Suruchi Batra<sup>1</sup>, Christopher Tully<sup>2</sup>, Alyson Fiorillo<sup>2</sup>, Christopher Heier<sup>2</sup>, Laurie Conklin<sup>1</sup>. <sup>1</sup>Department of Gastroenterology, Hepatology and Nutrition, Children's National Medical Center, Washington, DC, USA; <sup>2</sup>Research Center for Genetic Medicine, Children's National Health System, Washington, DC, USA.
- 89 A RARE CASE OF UPPER GASTROINTESTINAL EOSINOPHILIA. Suruchi Batra, Jaime Wolfe. Department of Gastroenterology, Hepatology and Nutrition, Children's National Medical Center, Washington, DC, USA.
- 90 EVALUATING HEPATITIS B SEROPROTECTION AND REVACCINATION FOR CHILDREN WITH INFLAMMATORY BOWEL DISEASE. Erica Brenner<sup>1</sup>, Ravi Jhaveri<sup>2</sup>, Michael Kappelman<sup>1</sup>, Ajay Gulati<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of North Carolina, Chapel Hill, NC, USA; <sup>2</sup>Department of Pediatric Infectious Diseases, Feinberg School of Medicine, Chicago, IL, USA.
- 91 COMPARISON OF DIETARY INTAKE IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE AND HEALTHY CHILDREN. Jessica Breton<sup>2</sup>, Ryan Quinn<sup>1</sup>, Erica Schwab<sup>2</sup>, Kelly Kachelries<sup>2</sup>, Shelly Zilber<sup>2</sup>, Lindsey Albenberg<sup>2</sup>, Charlene Compher<sup>1</sup>. <sup>1</sup>University of Pennsylvania, Philadelphia, PA, USA; <sup>2</sup>Pediatric Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 92 A CASE OF INFANTILE IBD WITH AN UNEXPECTED TREATMENT COURSE. Malgorzata Bujarska<sup>1</sup>, Seth Iskowitz<sup>1</sup>, Alisa Muniz Crim<sup>2</sup>, Lina Felipez<sup>2</sup>. <sup>1</sup>Pediatrics, Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>Gastroenterology, Hepatology, and Nutrition, Nicklaus Children's Hospital, Miami, FL, USA.
- 93 THE DEVELOPMENT OF A NECK MASS IN A PEDIATRIC PATIENT WITH CROHN'S DISEASE: EXPANDING THE DIFFERENTIAL. Malgorzata Bujarska<sup>1</sup>, Seth Iskowitz<sup>1</sup>, Alisa Muniz Crim<sup>2</sup>, lina felipez<sup>2</sup>. <sup>1</sup>Pediatrics, Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>Gastroenterology, Hepatology, and Nutrition, Nicklaus Children's Hospital, Miami, FL, USA.

- 94 EVALUATION OF TRANSITION READINESS IN ADOLESCENTS WITH INFLAMMATORY BOWEL DISEASE.
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- 95 HEREDITARY SPHEROCYTOSIS AS AN ATYPICAL PRESENTATION OF ANEMIA IN ULCERATIVE COLITIS. Moo Cho<sup>1,2</sup>, Suzanne Tucker<sup>3,4</sup>, Lillian Choi<sup>1,2</sup>. ¹Pediatric Gastroenterology, University of California, San Diego, San Diego, CA, USA; ²Pediatric Gastroenterology, Rady Children's Hospital, San Diego, CA, USA; ³Pathology, University of California, San Diego, San Diego, CA, USA; ⁴Pathology, Rady Children's Hospital, San Diego, CA, USA.
- 96 HIGHER INDUCTION VEDOLIZUMAB LEVELS ARE ASSOCIATED WITH SUSTAINED TREATMENT AT 1-YEAR AMONG PEDIATRIC IBD. Ruben Colman, Phillip Minar. Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 97 THE MICROBIAL AND METABOLIC MATURITY OF PEDIATRIC AND VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE. Maire Conrad<sup>1,2</sup>, Yue Ren<sup>2</sup>, Kyle Bittinger<sup>1,2</sup>, Joseph Zackular<sup>3,2</sup>, Hongzhe Li<sup>2</sup>, Frederic Bushman<sup>2</sup>, Marcella Devoto<sup>4,2</sup>, Robert Baldassano<sup>1,2</sup>, Judith Kelsen<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, The Children's Hospital of Philadelphia, PA, USA; <sup>2</sup>University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>Pathology, The Children's Hospital of Philadelphia, Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Genetics, The Children's Hospital of Philadelphia, PA, USA.
- 98 CORRELATION OF FECAL CALPROTECTIN WITH ENDOSCOPIC AND HISTOLOGIC ACTIVITY IN A PEDIATRIC INFLAMMATORY BOWEL DISEASE POPULATION. Erin Crawford<sup>2</sup>, Catherine Gestrich<sup>1</sup>, Thomas Sferra<sup>2</sup>, Shahrazad Saab<sup>1</sup>, Jonathan Moses<sup>2</sup>. <sup>1</sup>Pathology, University Hospitals, Cleveland, OH, USA; <sup>2</sup>Pediatrics, Rainbow Babies & Children's Hospital, Cleveland, OH, USA.
- 99 AUTOINFLAMMATION WITH INFANTILE ENTEROCOLITIS PRESENTING AS PATIENT WITH HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS-LIKE PHENOTYPE AND HEMATOCHEZIA. Tamir Dlamond<sup>1</sup>, Edward Behrens<sup>2</sup>, Judith Kelsen<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Pediatric Rheumatology, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- QUALITY OF LIFE IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE IN A HOSPITAL IN SOUTHERN BRAZIL. Caroline Dias, Vanessa Scheeffer, Carolina da Silva, Cíntia Steinhaus, Cristina Vicioli, Matias Epifanio, Cristina Ferreira. Pediatric Gastroenterology, Hospital da Criança Santo Antônio, Porto Alegre, Rio Grande do Sul, Brazil.
- AUGMENTED USTEKINUMAB DOSING IS NEEDED TO ACHIEVE CLINICAL RESPONSE IN PATIENTS WITH ANTI-TNF REFRACTORY PEDIATRIC CROHN'S DISEASE. Phinga Do<sup>2</sup>, Phuong Luu<sup>2</sup>, Ashish Patel<sup>1</sup>, Gaith Semrin<sup>1</sup>, John Andersen<sup>1</sup>, Bhaskar Gurram<sup>1</sup>. <sup>1</sup>Pediatrics, UT Southwestern Medical Center, Dallas, TX, USA; <sup>2</sup>Pediatrics, Children's Medical Center, Dallas, TX, USA.
- 102 INSURANCE STATUS BUT NOT RACE DETERMINES SUSTAINED REMISSION IN PEDIATRIC IBD. Sylvia Doan<sup>1,2</sup>, Alexander Jofriet<sup>2</sup>, Octavia Scott<sup>2</sup>, Aisha Riswan<sup>2</sup>, Suresh Venkateswaran<sup>1</sup>, Hari Somineni<sup>1</sup>, Barbara

Niklinska-Schirtz<sup>1,2</sup>, Clair Talmadge<sup>2,3</sup>, Christopher Fritzen<sup>2</sup>, Michelle Dinser<sup>2</sup>, Dana Dykes<sup>2,3</sup>, Benjamin Gold<sup>2,3</sup>, Cary Sauer<sup>1,2</sup>, Subra Kugathasan<sup>1,2</sup>, Bess Schoen<sup>1,2</sup>. ¹Pediatric Gastroenterology, Emory, Atlanta, GA, USA; ²Pediatric Gastroenterology, Children's Healthcare of Atlanta, Atlanta, GA, USA; ³GI Care for Kids, Atlanta, GA, USA.

- TOFACITINIB USE AFTER BIOLOGIC FAILURE FOR REFRACTORY PEDIATRIC INFLAMMATORY BOWEL DISEASE: A SINGLE CENTER EXPERIENCE. Michael Dolinger<sup>2</sup>, Priya Rolfes<sup>1</sup>, Becky Phan<sup>2</sup>, Marla Dubinsky<sup>2</sup>.

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- BIOELECTRICAL IMPEDANCE UNDERSTIMATES BODY FAT MASS IN ACTIVE PEDIATRIC CROHN'S DISEASE. Jenna Dowhaniuk<sup>1</sup>, Jillian Owens<sup>2</sup>, Caroline Moore<sup>1</sup>, Mary Sherlock<sup>1</sup>, Muhanad Al Ruwaithi<sup>1</sup>, Heather Mileski<sup>2</sup>, Stephanie Atkinson<sup>1</sup>, Mary Zachos<sup>1</sup>. <sup>1</sup>Pediatrics, McMaster University, Hamilton, ON, Canada; <sup>2</sup>McMaster Children's Hospital, Hamilton, ON, Canada.
- 105 EXTRAINTESTINAL MANIFESTATIONS OF CROHN'S DISEASE MIMICKING SEPTIC ARTHRITIS. Lauren Dufour<sup>1</sup>, Cary Sauer<sup>1,2</sup>. <sup>1</sup>Pediatrics, Emory University, Atlanta, GA, USA; <sup>2</sup>Gastroenterology, Hepatology, and Nutrition, Children's Healthcare of Atlanta, Atlanta, GA, USA.
- 106 SUCCESSFUL TREATMENT OF RECURRENT MYOCARDITIS & ULCERATIVE COLITIS WITH ANTI-TNF THERAPY IN AN ADOLESCENT PATIENT. Jennifer Duong, Mariska Kemna, Laura Finn, Ghassan Wahbeh. Seattle Children's Hospital, Seattle, WA, USA.
- DISEASE-ASSOCIATED COSTS IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE: A SYSTEMATIC REVIEW. Wael El-Matary<sup>1</sup>, Ellen Kuenzig<sup>2</sup>, Harminder Singh<sup>3</sup>, George Okoli<sup>1</sup>, Mohammad Moghareh<sup>1</sup>, Harsh Kumar<sup>1</sup>, Me-Linh Le<sup>1</sup>, Eric Benchimol<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Manitoba, Winnipeg, MB, Canada; <sup>2</sup>University of Ottawa, Ottawa, ON, Canada; <sup>3</sup>Internal Medicine, University of Manitoba, Winnipeg, MB, Canada.
- INFLAMMATORY BOWEL DISEASE IN CHILDREN WITH ELEVATED GAMMA GLUTAMYLTRANSFERASE. WAEL EL-MATARY<sup>1</sup>, Abin Chandrakumar<sup>1</sup>, Rachael Loeppky<sup>1</sup>, Mark Deneau<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Manitoba, Winnipeg, MB, Canada; <sup>2</sup>Pediatric Gastroenterology, University of Utah, Salt Lake City, UT, USA.
- STANDARD IFX DOSING IS INEFFECTIVE IN THE MAJORITY OF PIBD PATIENTS, WITH BASELINE ALBUMINE IDENTIFIED AND REPLICATED AS A KEY DETERMINANT OF POST INDUCTION IFX LEVEL IN TWO DIVERSE PIBD COHORTS. Farah Faytrouni<sup>1</sup>, Rachel E Harris<sup>2</sup>, Sally Lawrence<sup>1</sup>, Richard K. Russell<sup>2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, British Colombia Children's Hospital, Vancouver, BC, Canada; <sup>2</sup>Paediatric Gastroenterology, Hepatology and Nutrition, Royal Hospital for Children, Glasgow, United Kingdom.
- HEALTHCARE COST FOR CHILDREN NEWLY DIAGNOSED WITH INFLAMMATORY BOWEL DISEASE. Andrew Fondell<sup>1</sup>, Maua Mosha<sup>1</sup>, Cliff Frank<sup>2</sup>, Jeffrey Brangi<sup>1</sup>, Jeffrey Hyams<sup>1</sup>. <sup>1</sup>Connecticut Children's, Hartford, CT, USA; <sup>2</sup>Healthcare Management Solutions, Dunedin, FL, USA.

- THE SAFETY AND EFFICACY OF HIGH DOSE MAINTENANCE INFLIXIMAB THERAPY IN PEDIATRIC INFLAMMATORY BOWEL DISEASE. Alice Foster<sup>1,2</sup>, Gurman Khera<sup>1</sup>, Laura Meleady<sup>1</sup>, Leah Nash<sup>1</sup>, Marliss Riou<sup>1</sup>, Kevan Jacobson<sup>1,2</sup>, Sally Lawrence<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, BC Children's Hospital, Vancouver, BC, Canada; <sup>2</sup>Pediatrics, University of British Columbia, Vancouver, BC, Canada.
- BTK DEFICIENCY LEADS TO NLRP3 INFLAMMASOME DYSREGULATION AND CAUSES MURINE EXPERIMENTAL AND HUMAN IL-1B-MEDIATED COLITIS. Liming Mao¹, Atsushi Kitani¹, Eitaro Hiejima¹, Kim Montgomery-Recht¹, Wenchang Zhou², Adrian Wiestner⁴, Ivan Fuss¹, Warren Strober¹. ¹Mucosal Immunity Section, National Institutes of Health, Bethesda, MD, USA; ²Theoretical Molecular Biophysics Laboratory, NHLBI, National Institutes of Health, Bethesda, MD, USA; ³Clinical Research Directorate/Clinical Monitoring Research Program, Leidos Biomedical Research, Inc., NCI Campus at Frederick, Fredrick, MD, USA; ⁴Hematology Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD, USA.
- NODULAR FASCIITIS IN A PATIENT WITH CROHN'S DISEASE. Jessica Gangaram, Aldo Recinos Soto, Carolina Cerezo, Jason Shapiro. Pediatric Gastroenterology, Hepatology and Nutrition, Brown University, Providence, RI, USA.
- DELAYED DIAGNOSIS OF CROHN'S DISEASE IN AN OBESE TEENAGER WITH CUTANEOUS MANIFESTATIONS.

  Meghan Gibson, Aldo Recinos Soto, Jessica Gangaram, Jason Shapiro. Alpert Medical School of Brown University, Hasbro Children's Hospital, Providence, RI, USA.
- ADVERSE EFFECT OF OBESITY ON OUTCOMES OF CHILDREN NEWLY DIAGNOSED WITH INFLAMMATORY BOWEL DISEASE. Alexa Goldfarb¹, Dena Hopkins², Maua Mosha¹, Jeffrey Hyams². ¹Pediatrics, Connecticut Children's Medical Center, Hartford, CT, USA; ²Gastroenterology, Connecticut Children's Medical Center, Hartford, CT, USA.
- 117 GRANULOMATOUS APPENDICITIS: SINGLE CENTER EXPERIENCE WITH A RARE ENTITY. Matthew Goldstein<sup>1</sup>, Jie Ouyang<sup>2</sup>, Regino Gonzalez-Peralta<sup>3</sup>. <sup>1</sup>General Pediatrics Residency, AdventHealth for Children, Orlando, FL, USA; <sup>2</sup>Pathology, AdventHealth for Children, Orlando, FL, USA; <sup>3</sup>3Pediatric Gastroenterology, Hepatology and Liver Transplant, AdventHealth for Children, Orlando, FL, USA.
- \*118 CHAPLE SYNDROME TREATMENT. Luz Gutierrez Sanchez<sup>1</sup>, Jody Weckwerth<sup>1</sup>, Nathan Hull<sup>2</sup>, Eva Morava<sup>3</sup>, Michael Stephens<sup>1</sup>, Absah Imad<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Pediatric Radiology, Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Clinical Genomics, Mayo Clinic, Rochester, MN, USA.
- CROHN'S DISEASE PRESENTING AS GASTRIC OUTLET OBSTRUCTION: A DIAGNOSTIC CHALLENGE. Kelly Haas<sup>1</sup>, Sabina Ali<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of California Davis, Sacramento, CA, USA; <sup>2</sup>Pediatric Gastroenterology, University of California San Francisco Benioff Children's Hospital Oakland, Oakland, CA, USA.
- LOSS OF CREATINE TRANSPORTER EXPRESSION IN INFLAMMATORY BOWEL DISEASE PATIENTS MAY CONTRIBUTE TO UNDERLYING INTESTINAL BARRIER DYSFUNCTION. Caroline Hall<sup>1,2</sup>, J. Lee<sup>2</sup>, Louise Glover<sup>3</sup>, Sean Colgan<sup>2</sup>. <sup>1</sup>Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>Medicine,

University of Colorado, Aurora, CO, USA; <sup>3</sup>Merrion Fertility Clinic, National Maternity Hospital Dublin, Dublin, Ireland.

- \*121 INFLAMMATORY BOWEL DISEASE AND T-CELL PTLD IN SOLID ORGAN TRANSPLANTATION. Jessica Hochberg, Amanda Fifi. Pediatric Gastroenterology, Hepatology, and Nutrition, University of Miami/Jackson Memorial Hospital, Miami, FL, USA.
- APPENDICEAL CARCINOID, A RARE MIMICKER OF CROHN'S DISEASE. Nadia Ibrahimi<sup>1</sup>, Joshua Wermers<sup>4</sup>, Atif Ahmed<sup>2</sup>, David Juang<sup>3</sup>, Keith August<sup>5</sup>, Alka Goyal<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Department of Pathology and Laboratory Medicine, Children's Mercy Hospital, Kansas City, MO, USA; <sup>3</sup>Pediatric Surgery, Children's Mercy Hospital, Kansas City, MO, USA; <sup>4</sup>Diagnostic Radiology, University of Missouri Kansas City, Kansas City, MO, USA; <sup>5</sup>Pediatric Hematology and Oncology, Children's Mercy Hospital, Kansas City, MO, USA.
- \*123 ANTI-TUMOR NECROSIS (ANTI-TNF)-INDUCED PERIPHERAL NEUROPATHY CASE SERIES IN PEDIATRIC INFLAMMATORY BOWEL DISEASE PATIENTS. Seth Iskowitz<sup>1</sup>, Paula Prieto Jimenez<sup>1</sup>, Lina Felipez<sup>2</sup>, Alisa Muniz Crim<sup>2</sup>. <sup>1</sup>Pediatrics, Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Nicklaus Children's Hospital, Miami, FL, USA.
- A CASE OF HODGKIN'S LYMPHOMA IN A PATIENT WITH ULCERATIVE COLITIS TREATED WITH MESALAMINE. Seth Iskowitz<sup>1</sup>, Malgorzata Bujarska<sup>1</sup>, lina felipez<sup>2</sup>, Alisa Muniz Crim<sup>2</sup>. <sup>1</sup>Pediatrics, Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Nicklaus Children's Hospital, Miami, FL, USA.
- THERAPEUTIC DRUG MONITORING OF VEDOLIZUMAB AND USTEKINUMAB DURING INDUCTION IN PEDIATRIC INFLAMMATORY BOWEL DISEASE. Seth Iskowitz, Paula Prieto Jimenez, Amal Ayoub, Lina Felipez, Alisa Muniz Crim. Pediatric Gastroenterology, Nicklaus Children's Hospital, Miami, FL, USA.
- DIAGNOSTIC CHALLENGES IN A HYPER-INFLAMMATORY STATE: DISTINGUISHING GI MANIFESTATIONS OF CYSTIC FIBROSIS FROM EXTRAINTESTINAL MANIFESTATIONS OF INFLAMMATORY BOWEL DISEASE. Lauren Lazar, Meghana Sathe. Pediatric Gastroenterology, UT Southwestern/Children's Health, Dallas, TX, USA.
- A MULTIDISCIPLINARY FRAMEWORK FOR IMPROVING COMMUNICATION OF SURGICAL TREATMENT OPTIONS FOR SEVERE INFLAMMATORY BOWEL DISEASE. Steven Levitte<sup>1</sup>, Matias Bruzoni<sup>2</sup>, KT Park<sup>1</sup>.

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- ANEMIA SECONDARY TO A GASTROINTESTINAL MANIFESTATION OF NEUROFIBROMATOSIS TYPE I. Maria Lopez Gonzalez<sup>1</sup>, Malgorzata Bujarska<sup>1</sup>, Melanie Suaris<sup>1</sup>, Julee Sunny<sup>1</sup>, Michell Lozano Chinga<sup>1</sup>, Claudette Gonzalez<sup>2</sup>. <sup>1</sup>Medical Education, Nicklaus Children's Hospital, MIAMI, FL, USA; <sup>2</sup>Hospitalist medicine, Nicklaus Children's Hospital, MIAMI, FL, USA.
- METHOTREXATE POLYGLUTAMATES AS BIOMARKERS OF TREATMENT RESPONSE IN IBD VS. JIA. Ryan Morrow<sup>1</sup>, Ryan Funk<sup>2</sup>, Ashley Sherman<sup>3</sup>, Mara Becker<sup>4</sup>, Valentina Shakhnovich<sup>5,6</sup>. <sup>1</sup>Pediatrics, Children's Mercy, Kansas City, MO, USA; <sup>2</sup>Rheumatology, University of Kansas, Kansas City, KS, USA; <sup>3</sup>Biostatistics, Children's Mercy, Kansas City, MO, USA; <sup>4</sup>Rheumatology, Children's Mercy, Kansas City, MO, USA;

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- 130 FRAGILITY FRACTURES IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE: X-RAY AND DEXA SCAN CAN BE MISLEADING. Ryan Morrow<sup>2</sup>, Tarak Srivastava<sup>4</sup>, Brent Cully<sup>3</sup>, Alka Goyal<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Mercy, Kansas City, MO, USA; <sup>2</sup>Pediatrics, Children's Mercy, Kansas City, MO, USA; <sup>3</sup>Radiology, Children's Mercy, Kansas City, MO, USA; <sup>4</sup>Nephrology, Children's Mercy, Kansas City, MO, USA.
- TRAJECTORY, RISK FACTORS, AND IMPACT OF ABDOMINAL PAIN DURING THE FIRST YEAR AFTER PEDIATRIC IBD DIAGNOSIS: RESULTS FROM THE IMPROVECARENOW NETWORK. Lexa Murphy<sup>1</sup>, Kaltrina Gashi<sup>1</sup>, Joy Kawamura<sup>2,6</sup>, Chuan Zhou<sup>1,4</sup>, Daniel Lynch<sup>3</sup>, David Suskind<sup>3,4</sup>, Tonya Palermo<sup>1,5</sup>. <sup>1</sup>Center for Child Health, Behavior, & Development, Seattle Children's Hospital, Seattle, WA, USA; <sup>2</sup>Department of Psychiatry and Behavioral Medicine, Seattle Children's Hospital, Seattle, WA, USA; <sup>3</sup>Department of Gastroenterology and Hepatology, Seattle Children's Hospital, Seattle, WA, USA; <sup>4</sup>Department of Pediatrics, University of Washington, Seattle, WA, USA; <sup>5</sup>Department of Anesthesiology & Pain Medicine, University of Washington, Seattle, WA, USA; <sup>6</sup>Department of Psychiatry and Behavioral Sciences, University of Washington, Seattle, WA, USA.
- CORRELATION OF THE PEDIATRIC ULCERATIVE COLITIS ACTIVITY INDEX WITH ENDOSCOPIC ASSESSMENT OF DISEASE ACTIVITY IN PEDIATRIC PATIENTS WITH ULCERATIVE COLITIS. Barbara Niklinska-Schirtz<sup>1</sup>, Isshan Dave<sup>1</sup>, Thomas Walters<sup>2</sup>, Anne Griffiths<sup>2</sup>, Brendan Boyle<sup>8</sup>, David Mack<sup>7</sup>, Joel Rosh<sup>3</sup>, James Markowitz<sup>4</sup>, Lee Denson<sup>5</sup>, Jeffrey Hyams<sup>6</sup>, Subra Kugathasan<sup>1</sup>. ¹Emory University, Atlanta, GA, USA; ¹Hospital For Sick Children, Toronto, ON, Canada; ³Goryeb Children's Hospital, Morristown, NJ, USA; ⁴Cohen Children's Medical Center of New York, New Hyde Park, NY, USA; ⁵Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ⁶Connecticut Children's Medical Center, Hartford, CT, USA; ¹Children's Hospital of East Ontario, Ottawa, ON, Canada; <sup>8</sup>Nationwide Children's Hospital, Columbus, OH, USA.
- ACID SUPPRESSION MEDICATIONS AND ANTIBIOTICS ADMINISTERED IN INFANCY ARE ASSOCIATED WITH EARLY ONSET INFLAMMATORY BOWEL DISEASE. Cade Nylund, Elizabeth Hisle-Gorman, Gregory Gorman, Apryl Susi. Pediatrics, Uniformed Services University, Rockville, MD, USA.
- \*134 PERIPHERAL NEUROPATHY ASSOCIATED WITH ANTI TUMOR NECROSIS FACTOR THERAPY IN A CROHN'S PATIENT. Neema Patel<sup>1</sup>, Vivien Nguyen<sup>2,1</sup>, David Drevno<sup>1</sup>, Sabina Ali<sup>2,1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of California San Francisco Benioff Children's Hospital Oakland, Oakland, CA, USA; <sup>2</sup>Pediatrics, University of California San Francisco, San Francisco, CA, USA.
- ANGULAR CHEILITIS AS THE INITIAL SIGN OF CROHN'S DISEASE. Paula Prieto Jimenez<sup>1</sup>, Julee Sunny<sup>1</sup>, lina felipez<sup>2</sup>, Alisa Muniz Crim<sup>2</sup>. <sup>1</sup>Resident , Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>Gastroenterology, Hepatology and Nutrition, Nicklaus Children's Hospital, Miami, FL, USA.
- A DIAGNOSIS OF IMMUNE THROMBOCYTOPENIC PURPURA BEFORE INFLAMMATORY BOWEL DISEASE.

  Asra Rab<sup>1,2</sup>, Mohamed Said<sup>3,2</sup>, Ian Kang<sup>2</sup>. <sup>1</sup>Internal Medicine/Pediatrics, OSF SFMC, Peoria, IL, USA;

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- 137 EARLY EXPERIENCE WITH ORAL TOFACITINIB IN ADOLESCENT PATIENTS WITH INFLAMMATORY BOWEL DISEASE. Chathruckan Rajendra, Sabina Ali, Vivien Nguyen, Mel Heyman, Sofia Verstraete, Hassan Hamandi. Pediatrics, UCSF, San Francisco, CA, USA.
- \*138 LISTERIA MONOCYTOGENES MENINGITIS AFTER TREATMENT WITH INFLIXIMAB IN AN 8-YEAR-OLD FEMALE WITH CROHN'S DISEASE: A CASE REPORT. Uzma Rani, Ajay Rana. Pediatrics, SUNY Upstate Medical University, Jamesville, NY, USA.

#### LIVER

- OUTCOMES OF LIVER TRANSPLANTATION FOR CONGENITAL HEPATIC FIBROSIS IN CHILHOOD VERSUS TRANSPLANTATION AS ADULTS. Tandy Agostini<sup>2</sup>, Arul Thomas<sup>1</sup>, Sameer Desale<sup>3</sup>, Khalid Khan<sup>1</sup>. <sup>1</sup>Transplant Institute, MedStar Georgetown University Hospital, Potomac, MD, USA; <sup>2</sup>Medicine, Washington Hospital Center, Washington, DC, USA; <sup>3</sup>Reserch, MedStar, Washington, DC, USA.
- HEPATOBILIARY RHABDOMYOSARCOMA: A UNIQUE LOCALIZATION OF THIS PEDIATRIC TUMOR. Kanya Ahuja<sup>1</sup>, Faria Hasan<sup>2</sup>, Cindy Haller<sup>1</sup>, Shari Sheflin-Findling<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Cohen Children's Medical Center, NY, New Hyde Park, NY, USA; <sup>2</sup>Pediatrics, Cohen Children's Medical center, NY, New Hyde Park, NY, USA.
- LIVER FAILURE AMONG YOUNG SAUDI INFANTS: ETIOLOGY, CLINICAL PRESENTATION, AND OUTCOME.
  Khurram Lone, Bader Alsaleem, Ali Asery, Abdulrahman Al-Hussaini. Division of Pediatric
  Gastroenterology, King Fahad Medical City, Riyadh, Saudi Arabia.
- \*142 LIVER TRANSPLANTATION CURES HEPATOCELLULAR CARCINOMA IN THE SETTING OF TYPE II CITRULLINEMIA: FIRST SUCCESSFUL PEDIATRIC CASE. Karine Amirikian<sup>1</sup>, Debra Pan<sup>1</sup>, Debora Kogan-Liberman<sup>1</sup>, Sarah Bellemare<sup>2</sup>, Dominique Jan<sup>2</sup>, Yosef Golowa<sup>3</sup>, Neha Malhotra<sup>4</sup>, Nadia Ovchinsky<sup>1</sup>.

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- LIVER TRANSPLANT REVERSES NEUROLOGIC DEVASTATION IN ADOLESCENT BOY WITH WILSON'S DISEASE.

  Karine Amirikian<sup>1</sup>, Debora Kogan-Liberman<sup>1</sup>, Aileen Raizner<sup>1</sup>, Dominique Jan<sup>2</sup>, Nadia Ovchinsky<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, The Children's Hospital at Montefiore, Bronx, NY, USA; <sup>2</sup>Pediatric Surgery, The Children's Hospital at Montefiore, Bronx, NY, USA.
- THE USE OF LIVER BIOPSY TO DETERMINE THE SEVERITY OF NONALCOHOLIC FATTY LIVER DISEASE IN CHILDREN ACROSS THE UNITED STATES. Johanna Ascher Bartlett<sup>1</sup>, Luz Gutierrez Sanchez<sup>3</sup>, Mohammad Nasser Kabbany<sup>4</sup>, Jay Shah<sup>1</sup>, Naveen Mittal<sup>1</sup>, Naim Alkhouri<sup>1,2</sup>. <sup>1</sup>Pediatrics, UTHSCSA, San Antonio, TX, USA; <sup>2</sup>Texas Liver Institute, San Antonio, TX, USA; <sup>3</sup>Mayo Clinic, Rochester, MN, USA; <sup>4</sup>Cleveland Clinic, Cleveland, OH, USA.
- \*145 LYSOSOMAL ACID LIPASE DEFICIENCY: A MISSED DIAGNOSIS SPANNING ALL AGES. Johanna Ascher Bartlett<sup>1</sup>, Jean Filo<sup>2</sup>, Naveen Mittal<sup>1</sup>, Fabian Rodas<sup>3</sup>, Christy Rosas<sup>3</sup>, Naim Alkhouri<sup>1,3</sup>. <sup>1</sup>Pediatrics,

UTHSCSA, San Antonio, TX, USA; <sup>2</sup>University of Delaware, Newark, DE, USA; <sup>3</sup>Texas Liver Institute, San Antonio, TX, USA.

- CLINICAL MANIFESTATIONS OF LYSOSOMAL ACID LIPASE DEFICIENCY: THE INTERNATIONAL LAL-D REGISTRY™. William Balistreri¹, Manisha Balwani², Lorenzo D'Antiga³, Shona Fang⁴, Simon Jones⁻, Emilio Ros⁵, Florian Abel⁴, Don Wilson⁶. ¹Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ¹Icahn School of Medicine at Mount Sinai Hospital, New York, NY, USA; ³Azienda Ospedaliera Papa Giovanni XXIII, Bergamo, Italy; ⁴Alexion Pharmaceuticals, Inc., Boston, MA, USA; ⁵Hospital Clinic de Barcelona, Barcelona, Spain; ⁶Cook Children's Medical Center, Fort Worth, TX, USA; ¬Manchester University Hospital NHS Trust, Manchester, United Kingdom.
- HEALTH LITERARY AND STRATEGIES FOR SUCCESSFUL WEIGHT LOSS IN CHILDREN WITH NON-ALCOHOLIC FATTY LIVER DISEASE. Anna Banc-Husu<sup>1</sup>, Joy Ito<sup>2</sup>, Paige Shyken<sup>2</sup>, Saeed Mohammad<sup>1</sup>, Mark Fishbein<sup>1</sup>.
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- BIVALIRUDIN AND ROTATIONAL THROMBOELASTOMETRY FOR THE PREVENTION OF HEPATIC ARTERY THROMBOSIS IN PEDIATRIC LIVER TRANSPLANTATION. Rebecca Craig-Schapiro<sup>2</sup>, Anna Banc-Husu<sup>1</sup>, Sarah Taylor<sup>1</sup>, Rachel Bercovitz<sup>3</sup>, Caroline Lemoine<sup>2</sup>, Riccardo Superina<sup>2</sup>. <sup>1</sup>Department of Pediatrics; Division of Gastroenterology, Hepatology, and Nutrition, Ann & Robert H. Lurie Children's Hospital of Chicago; Northwestern University, Feinberg School of Medicine, Chicago, IL, USA; <sup>2</sup>Department of Pediatrics; Division of Transplant Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago; Northwestern University, Feinberg School of Medicine, Chicago, IL, USA; <sup>3</sup>Department of Pediatrics; Division of Hematology and Oncology, Ann & Robert H. Lurie Children's Hospital of Chicago; Northwestern University, Feinberg School of Medicine, Chicago, IL, USA.
- PROGRESSIVE NEURODEGENERATIVE SYMPTOMS AS FIRST PRESENTATION OF WILSON DISEASE IN AN 11-YEAR OLD CHILD. Prerana Baranwal<sup>1</sup>, Johanna Ferreira<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, New York-Presbyterian Hospital/Weill Cornell Medicine, New York, NY, USA; <sup>2</sup>Pediatric Gastroenterology and Nutrition, Weill Cornell Medicine, New York, NY, USA.
- NOVEL TECHNIQUE FOR ISOLATION OF HEPATOCYTES FROM NEEDLE BIOPSIES TO STUDY HEPATOCYTE HETEROGENEITY. Sindhura Batchu<sup>1</sup>, Bruce Wang<sup>2</sup>, Deviana Burhan<sup>2</sup>, Margaret Tsui<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of California San Francisco, San Francisco, CA, USA; <sup>2</sup>UCSF, San Francisco, CA, USA.
- CONGENITAL ABSENCE OF THE GALLBLADDER IN A NEWBORN WITH VACTERL ASSOCIATION. Michael Bates<sup>1</sup>, Karl de Dios<sup>2</sup>, Oliver Soldes<sup>3</sup>. <sup>1</sup>Gastroenterology and Nutrition, Dayton Children's Hospital, Dayton, OH, USA; <sup>2</sup>Genetics, Dayton Children's Hospital, Dayton, OH, USA; <sup>3</sup>Pediatric Surgery, Dayton Children's Hospital, Dayton, OH, USA.
- 152 CHARACTERIZATION OF ETIOLOGIES AND OUTCOMES IN NEONATAL ACUTE LIVER FAILURE. Kristin
  Borovsky, Anna Banc-Husu, Katie Neighbors, Susan Kelly, Estella Alonso, Sarah Taylor. Gastroenterology,
  Hepatology, and Nutrition, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA.

- A CASE OF BRIC (BENIGN RECURRENT INTRAHEPATIC CHOLESTASIS) REFRACTORY TO CURRENT THERAPIES. Michael Carver<sup>1</sup>, Patricio Arias<sup>2</sup>. <sup>1</sup>Pediatrics, Children's Hospital New Orleans, New Orleans, LA, USA; <sup>2</sup>Gastroenterology, Children's Hospital New Orleans, New Orleans, LA, USA.
- LATE METASTATIC OVARIAN TERATOMA TO PERITONEUM AFTER NINE YEARS IN AN ASYMPTOMATIC ADOLESCENT: CASE REPORT. Kenny Castro-Ochoa<sup>1</sup>, Shadia Ajaj<sup>1</sup>, Steven Lobritto<sup>2</sup>, Adam Griesemer<sup>3</sup>, Darrell Yamashiro<sup>4</sup>, Sivan Kinberg<sup>2</sup>. <sup>1</sup>Pediatrics, Lincoln Medical Center, Bronx, NY, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Columbia University Irving Medical Center, New York, NY, USA; <sup>3</sup>Surgery, Columbia University Irving Medical Center, New York, NY, USA; <sup>4</sup>Pediatric Oncology, Columbia University Irving Medical Center, New York, NY, USA.
- 155 *GALLBLADDER ADENOMYOMATOSIS IN AN INFANT.* Charles Chen, Mohammad Nasser Kabbany. Department of Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA.
- TRAJECTORY OF VARIABLES BETTER PREDICTS OUTCOMES COMPARED TO VARIABLES AT THE TIME OF LISTING FOR PEDIATRIC LIVER TRANSPLANT WAITLIST CANDIDATES. Lisa Chi, Qinghua Lian, Charles Goss, Janis Stoll, Yumirle Turmelle, Bonsa Nemera, Sakil Kulkarni. Division of Pediatric Gastroenterology, Hepatology, and Nutrition, St. Louis Children's Hospital, St. Louis, MO, USA.
- GLYCOGEN STORAGE DISEASE TYPE III: CLINICAL PRESENTATION AND OUTCOMES IN 47 PALESTINIAN PATIENTS. Thomas Ciecierega<sup>1</sup>, Mutaz Sultan<sup>2</sup>, Mohammad Radwan<sup>2</sup>, Maher Shahrour<sup>2</sup>, Imad Dweikat<sup>2</sup>, Bassam Libdeh<sup>2</sup>, Sundus Shalabi<sup>3</sup>. <sup>1</sup>Pediatrics, NYP-Weill Cornell Medical College, New York, NY, USA; <sup>2</sup>Makassed Hospital, Jerusalem, Palestine, State of; <sup>3</sup>Al-Quds University, Jerusalem, Palestine.
- \*158 A CURIOUS CASE OF A CHOLEDOCHAL CYST. Kathryn Clarkston<sup>1</sup>, Tom Lin<sup>1</sup>, Akihiro Asai<sup>1</sup>, Simon Lam<sup>1</sup>, Andrew Trout<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>2</sup>Radiology, Cincinnati Children's Hospital, Cincinnati, OH, USA.
- COMPARING THE USE OF TRANSIENT ELASTOGRAPHY TO BIOPSY PROVEN FIBROSIS IN CHILDREN WITH PRESUMED NONALCOHOLIC FATTY LIVER DISEASE OF VARYING SEVARITY TEXAS LIVER INSTITUTE, UNIVERISTY OF TEXAS (UT) HEALTH SAN ANTONIO, SAN ANTONIO, TX. Oladuni Cummings-John<sup>1</sup>, Stephenie Geistweidt<sup>1</sup>, Candice Angueira<sup>1</sup>, Toluwalase Okubote<sup>1</sup>, Ian Gabot<sup>1</sup>, Johanna Ascher Bartlett<sup>1,2</sup>, Jean Filo<sup>1</sup>, Mary Barbara<sup>1,2</sup>, Amanda Betancourt<sup>1</sup>, Eric Lawitz<sup>1</sup>, Naim Alkhouri<sup>1</sup>. <sup>1</sup>Hepatology, Texas Liver Institute, San Antonio, TX, USA; <sup>2</sup>Pediatrics, UTHSCSA, San Antonio, TX, USA.
- GIANT CELL HEPATITIS WITH AUTOIMMUNE HEMOLYTIC ANEMIA IN INFANTS AND YOUNG CHILDREN.
  THERAPEUTIC APPROACH. Daniel D'Agostino<sup>1,2,3</sup>, Susana Lopez<sup>4</sup>, Miriam Cuarterolo<sup>5</sup>, Alejandro costaguta<sup>6</sup>, Ivone Malla<sup>7</sup>. ¹Pediatrics, Hospital Italiano de Buenos Aires, Argentina; ³Pediatrics-Liver transplantation center, Hospital Italiano de Buenos Aires, Buenos Aires, Buenos Aires, Buenos Aires, Buenos Aires, Buenos Aires, Argentina; ⁴Pediatrics-Hepatology, Hospital Garrahan, Buenos Aires, Argentina; ⁴Pediatric Hepatology, Sanatorio del Niño, Rosario, Argentina; <sup>7</sup>Pediatrics Hepatology, Hospital Austral, Buenos Aires, Buenos Aires, Argentina.

- DELTA BILIRUBIN IN ACUTE LIVER FAILURE. A LESSER KNOWN BILIRUBIN FRACTION AND ITS IMPACT ON INTERPRETATION OF SINGLE PASS ALBUMIN DIALYSIS (SPAD) EFFICACY. James Daniel<sup>1</sup>, Vimal Chadha<sup>2</sup>, Amy Wiebold<sup>3</sup>, Angela Ferguson<sup>3</sup>, Uttam Garg<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Pediatric Nephrology, Children's Mercy Hospital, Kansas City, MO, USA; <sup>3</sup>Children's Mercy Hospital, Kansas City, MO, USA.
- \*162 FAILING TO IDENTIFY HEPATITIS C INFECTION IN AN AT-RISK CHILD. Stephanie Segura<sup>2</sup>, Aymin Delgado-Borrego<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology and Hepatology, Children's Center Gastroenterology and Nutrition-Kidz Medical Multispecialty Center, Hollywood, FL, USA; <sup>2</sup>Pediatric Gastroenterology and Hepatology, Joe DiMaggio Children's Hospital, Hollywood, FL, USA.
- DECREASED INCIDENCE OF HEPATIC ARTERY THROMBOSIS IN PEDIATRIC LIVER TRANSPLANTATION
  UTILIZING TECHNICAL VARIANT GRAFTS: REPORT OF THE SOCIETY OF PEDIATRIC LIVER TRANSPLANTATION
  (SPLIT) EXPERIENCE. Noelle Ebel², Evelyn Hsu¹, Andre Dick³, Michele Shaffer⁴, Kristen Carlin⁵, Simon
  Horslen¹. ¹Pediatrics, Seattle Children's Hospital, Seattle, WA, USA; ²Pediatrics, Stanford, Palo Alto, CA,
  USA; ³Surgery, Seattle Children's Hospital, Seattle, WA, USA; ⁴Statistics, University of Washington, Seattle,
  WA, USA; ⁵Statistics, Seattle Children's Research Institute, Seattle, WA, USA.
- OUTCOME OF PEDIATRIC PATIENTS WITH PRIMARY IMMUNE DEFICIENCY RECEIVING LIVER OR
  MULTIVISCERAL TRANSPLANT AND BONE MARROW TRANSPLANT. Rima Fawaz<sup>1</sup>, Scott Elisofon<sup>1</sup>, Maureen
  Jonas<sup>1</sup>, Heung Bae Kim<sup>2</sup>, Khashayar Vakili<sup>2</sup>, Christine Lee<sup>1</sup>, Silvia Nastasio<sup>1</sup>, Sung-Yun Pai<sup>3,4</sup>.

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  Children's Hospital, Boston, MA, USA; <sup>4</sup>Department of Pediatric Oncology, Dana-Farber Cancer Institute,
  Boston, MA, USA.
- ORAL BUDESONIDE FOR THE TREATMENT OF ACUTE CELULLAR REJECTION FOLLOWING PEDIATRIC LIVER TRANSPLANTATION. Johanna Ferreira<sup>1</sup>, Justin Chen<sup>2</sup>, Neelima Agrawal<sup>3</sup>, Steven Lobritto<sup>4</sup>, Mercedes Martinez<sup>4</sup>, Dana Goldner<sup>4</sup>, Jennifer Vittorio<sup>4</sup>. <sup>1</sup>Pediatrics, Weill Cornell Medicine, New York, NY, USA; <sup>2</sup>Pharmacy, New York Presbyterian Hospital, New York, NY, USA; <sup>3</sup>Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>4</sup>Pediatrics, Columbia University Irving Medical Center, New York, NY, USA.
- GENETIC VARIANTS IN TM6SF2-PBX4 REGION ARE ASSOCIATED TO AST AND ALT SERUM LEVELS ON THE GROWTH AND OBESITY CHILEAN COHORT STUDY (GOCS). José Miranda Marín², José Santos², Gigliola Alberti¹, Ana Pereira³, Juan Cristóbal Gana¹. ¹Gastroenterology, Hepatology and Nutrition Unit, Division of Paediatrics, Escuela de Medicina, Pontificia Universidad Católica de Chile, Santiago, Chile; ²School of Medicine. Department of Nutrition, Diabetes and Metabolism, Pontificia Universidad Católica de Chile, Santiago, Chile; ³Institute of Nutrition and Food Technology (INTA), University of Chile, Santiago, Chile.
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- DIRECT ACTING ANTIVIRAL THERAPY FOR HEPATITIS C VIRUS IN PEDIATRICS: A SINGLE-CENTER, REAL-WORLD EXPERIENCE. Lauren Jarchin<sup>1</sup>, Caroline Almy<sup>2</sup>, Jaime Chu<sup>2</sup>, Fiona Henderling<sup>2</sup>, John Bucuvalas<sup>2</sup>,

- Ronen Arnon<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Mount Sinai Hospital, New York, NY, USA; <sup>2</sup>Recanati/Miller Transplantation Institute, Mount Sinai Medical Center, New York, NY, USA.
- HEPATOBLASTOMA: A "SENTINEL FEATURE" OF CANCER PREDISPOSITION SYNDROMES. Oana Jumanca<sup>1</sup>, David Malkin<sup>2</sup>, William Foulkes<sup>3</sup>, Catherine Goudie<sup>4</sup>. <sup>1</sup>Medicine, McGill University Health Centre, Montreal, QC, Canada; <sup>2</sup>Pediatric Hematology-Oncology, The Hospital for Sick Children, Toronto, ON, Canada; <sup>3</sup>Medical Genetics, Research Institute- McGill University Health Centre, Montreal, QC, Canada; <sup>4</sup>Pediatric Hematology-Oncology, Montreal Children's Hospital, Montreal, QC, Canada.
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- THE FUNCTIONAL ABDOMINAL PAIN DISORDERS (FAPDS) GUT MICROBIOME IS LESS DYNAMIC THAN THE CONTROL GROUP. Bassam Abomoelak<sup>1</sup>, Veronica Derrick<sup>1</sup>, Stephani Campion<sup>1</sup>, Nickolas Casler<sup>3</sup>, Alix Casler<sup>1</sup>, Chirajyoti Deb<sup>1</sup>, Khoa Pham<sup>1</sup>, Michelle Vinson<sup>3</sup>, Jennifer Mauck<sup>3</sup>, Miguel Saps<sup>2</sup>, Devendra Mehta<sup>1</sup>.

  <sup>1</sup>GI, Orlando Health, Orlando, FL, USA; <sup>2</sup>University of Miami, Miami, FL, USA; <sup>3</sup>Medical school, Florida State University, Orlando, FL, USA.
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- PREVALENCE OF HELICOBACTER PYLORI INFECTION USING <sup>13</sup>C-UREA BREATH TEST IN JORDANIAN CHILDREN. Eyad Altamimi<sup>1,2</sup>, Noor Alsharakhat<sup>3</sup>, Afnan AlJawarneh<sup>4</sup>, Sarah Alawneh<sup>4</sup>, Majd Al-Ahmad<sup>4</sup>, Anas Abu Assi<sup>4</sup>, Moh`d Abu Hamad<sup>5</sup>. <sup>1</sup>Pediatrics, Jordan University of Science and Technology, IRBID, Jordan; <sup>2</sup>Pediatrics, King Abdullah University Hospital, Irbid, Jordan; <sup>3</sup>Princess Basma Teaching Hospital, Irbid, Jordan; <sup>4</sup>Faculty of Medicine, Jordan University of Science and Technology, Irbid, Jordan; <sup>5</sup>Ministry of Heath, Amman, Jordan.
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- ESOPHAGEAL PERFORATION COMPLICATED WITH STREPTOCOCCUS INTERMEDIUS MEDIASTINIC AND BRAIN ABSCESSES IN A PEDIATRIC PATIENT. Sandra Camacho Gomez<sup>1</sup>, Thu Pham<sup>1</sup>, Javier Monagas<sup>1</sup>, Luis Castagnini<sup>2</sup>, Adam Noel<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor College of Medicine at The Children's Hospital of San Antonio, San Antonio, TX, USA; <sup>2</sup>Pediatric, Section of Infectious Disease, Baylor College of Medicine at The Children's Hospital of San Antonio, San Antonio, TX, USA.
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Children's Hospital at Montefiore, Bronx, NY, USA; <sup>2</sup>Pathology, Montefiore Medical Center, Bronx, NY, USA.

- DIET MODULATES CLOSTRIDIOIDES DIFFICILEPATHOGENESIS THROUGH HOST AND MICROBE BILE ACID METABOLISM. Keith Hazleton<sup>1,2</sup>, Nancy Moreno-Huizar³, Nichole Nusbacher³, Catherine Lozupone³.
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   ²Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA; ³Biomedical Informatics and Personalized Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO, USA.
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  <sup>1</sup>Gastroenterology, Seattle Children's Hospital, Shoreline, WA, USA; <sup>2</sup>University of Washington, Seattle, WA, USA.
- PRESERVING THE CENTRAL LINE IN INTESTINAL FAILURE: SHOULD WE BE TREATING THROUGH UNCOMPLICATED CLABSI REGARDLESS OF ORGANISM? Jennifer Lee<sup>1</sup>, Conrad Cox<sup>2</sup>, Iris Jo<sup>3,4</sup>, Christina Hunley<sup>5</sup>, Linda Lazar<sup>3,4</sup>, Sandra Arnold<sup>6,4</sup>. <sup>1</sup>Pediatric Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Pediatric Gastroenterology, Vanderbilt University, Nashville, TN, USA; <sup>3</sup>Pediatric Gastroenterology, University of Tennessee Health Science Center, Memphis, TN, USA; <sup>4</sup>Le Bonheur Children's Hospital, Memphis, TN, USA; <sup>5</sup>University of Tennessee Health Science Center, Memphis, TN, USA; <sup>6</sup>Infectious Disease, University of Tennessee Health Science Center, Memphis, TN, USA.
- CHARACTERISTICS OF H. PYLORI INFECTION IN CHILDREN ATTENDING AN URBAN SAFETY NET HOSPITAL IN THE UNITED STATES. Aditi Mittal<sup>1</sup>, Dennis Super<sup>1</sup>, Reema Gulati<sup>2</sup>. <sup>1</sup>Pediatrics, Metrohealth Medical Center/CaseWestern Reserve University, Cleveland, OH, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Metrohealth Medical Center/CaseWestern Reserve University, Cleveland, OH, USA.
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#### PANCREAS/CELIAC/MALABSORPTION

- CASE REPORTS ON PEDIATRIC HYPERTRIGLYCERIDEMIA-INDUCED PANCREATITIS REQUIRING INVASIVE INTERVENTION. Cristoniel Abrenica<sup>1</sup>, Patrice Jovita Vigilia<sup>2</sup>, J Marc Rhoads<sup>1</sup>, Nirav Thosani<sup>3</sup>, Vinay Pai<sup>4</sup>, Supriya Nair<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Texas Health Science Center at Houston, Houston, TX, USA; <sup>2</sup>Pediatric Nephrology, University of Texas Health Science Center at Houston, Houston, TX, USA; <sup>3</sup>Adult Gastroenterology, Hepatology and Nutrition, University of Texas Health Science Center at Houston, Houston, TX, USA; <sup>4</sup>Diagnostic & Interventional Imaging, University of Texas Health Science Center at Houston, Houston, TX, USA.
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- THE INCREASING PREVALENCE OF PEDIATRIC OBESITY AT THE TIME OF CELIAC DISEASE DIAGNOSIS.

  Gracielle Bahia<sup>1</sup>, Hongyue Wang<sup>2</sup>, Rebecca Abell<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology & Nutrition, University of Rochester Medical Center Golisano Children's Hospital, East Syracuse, NY, USA; <sup>2</sup>Biostatistics and Computational Biology, University of Rochester Medical Center, Rochester, NY, USA.
- MOTOR REGRESSION IN A 16-MONTH-OLD CHILD- AN UNUSUAL PRESENTATION OF CELIAC DISEASE.

  Anam Bashir², April Lawson¹, Youmna Mousattat¹, Pratikkumar Patel¹. ¹Department of Pediatric Gastroenterology, West Virginia University, Charleston, WV, USA; ²Pediatrics, West Virginia University/CAMC, Charleston, WV, USA.
- LABORATORY STEWARDSHIP TO ENCOURAGE APPROPRIATE SCREENING FOR CELIAC DISEASE. Sean Bingham<sup>1</sup>, Nikki Collier<sup>2</sup>, Leslie Willis<sup>3</sup>, Rebecca Baker<sup>4</sup>, Kelly Sandberg<sup>1</sup>, Michael Bates<sup>1</sup>. <sup>1</sup>Gastroenterology and Nutrition, Dayton Children's Hospital, Dayton, OH, USA; <sup>2</sup>Value Improvement, Dayton Children's Hospital, Dayton, OH, USA; <sup>3</sup>Genetics, Dayton Children's Hospital, Dayton, OH, USA; <sup>4</sup>Laboratory Services, Dayton Children's Hospital, Dayton, OH, USA.
- ACID SUPPRESSION MEDICATIONS AND ANTIBIOTICS ADMINISTERED IN INFANCY ARE ASSOCIATED WITH CELIAC DISEASE. Michael Boechler<sup>1,2</sup>, Apryl Susi<sup>2</sup>, Philip Rogers<sup>1</sup>, Elizabeth Hisle-Gorman<sup>2</sup>, Gregory Gorman<sup>1,2</sup>, Cade Nylund<sup>1,2</sup>. <sup>1</sup>Walter Reed National Military Medical Center, Bethesda, MD, USA; <sup>2</sup>Uniformed Services University of the Health Sciences, Bethesda, MD, USA.
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- SHORT BOWEL SYNDROME DUE TO COMPLEX GASTROSCHISIS IN CHILDREN: SHOULD WE EXPECT A WORSE PROGNOSIS? Veronica Busoni<sup>2</sup>, Luciana Lerendegui<sup>1</sup>, Paula Violo<sup>1</sup>, Ana Grasso<sup>1</sup>, Marina Orsi<sup>2</sup>, Rodrigo Sanchez Claria<sup>3</sup>, Pablo Lobos<sup>1</sup>. <sup>1</sup>Pediatric Surgery, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; <sup>2</sup>Pediatric Gastroenterology, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; <sup>3</sup>Surgery, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina.
- PSYCHOLOGICAL NEEDS AND SERVICES IN A MULTIDISCIPLINARY CELIAC DISEASE CLINIC. Shayna Coburn<sup>1,2</sup>, Meredith Rose<sup>1</sup>, Randi Streisand<sup>1,2</sup>, Maegan Sady<sup>1,2</sup>, Margaret Parker<sup>1</sup>, William Suslovic<sup>1</sup>, Vanessa Weisbrod<sup>1</sup>, Benny Kerzner<sup>1,2</sup>, Ilana Kahn<sup>1,2</sup>. <sup>1</sup>Children's National Health System, Washington, DC, USA; <sup>2</sup>George Washington School of Medicine, Washington D.C., USA.
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- VIP-SECRETING GANGLIONEUROBLASTOMA PRESENTING WITH CHRONIC DIARRHEA. Emily Dietle<sup>3</sup>, Maha Haroon<sup>1</sup>, Fernando Medina Carbonell<sup>3</sup>, Ruben Quiros-Tejeira<sup>3</sup>, Peter Abasolo<sup>2</sup>, James Ford<sup>4</sup>, Emille Reyes-Santiago<sup>3</sup>. <sup>1</sup>Pediatrics, University of Nebraska Medical Center, Omaha, NE, USA; <sup>2</sup>Pediatric Pathology, Children's Hospital and Medical Center, Omaha, NE, USA; <sup>3</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, University of Nebraska Medical Center, Omaha, NE, USA; <sup>4</sup>Pediatric Hematology and Oncology, University of Nebraska Medical Center, Omaha, NE, USA.
- VASCULAR COMPLICATIONS IN CHILDREN WITH ACUTE RECURRENT OR CHRONIC PANCREATITIS: RISK FACTORS AND RESPONSE TO ANTICOAGULANTS. Chinenye Dike<sup>1</sup>, Gretchen Cress<sup>1</sup>, Douglas Fishman<sup>2</sup>, Tanja Gonska<sup>3</sup>, Chee Ooi<sup>4</sup>, Emily Perito<sup>5</sup>, David Troendle<sup>6</sup>, Cynthia Tsai<sup>2</sup>, Mark Lowe<sup>7</sup>, Aliye Uc<sup>1</sup>. <sup>1</sup>Stead Family Department of Pediatrics, University of Iowa, Iowa City, IA, USA; <sup>2</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Pediatrics, Hospital for Sick Children, Toronto, ON, Canada; <sup>4</sup>Pediatrics, School of Women's and Children's Health Medicine, University of New South Wales and Sydney Children's Hospital, Sydney, New South Wales, Australia; <sup>5</sup>Pediatrics, University of California San Francisco, San

Francisco, CA, USA; <sup>6</sup>Pediatrics, University of Texas Southwestern Medical School, Dallas, TX, USA; <sup>7</sup>Pediatrics, Washington University School of Medicine, St. Louis, MO, USA.

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- USE OF REPEAT BIOPSY IN ASSESSING DUODENAL HEALING IN PEDIATRIC CELIAC DISEASE. Kaitlin Payne<sup>1,4</sup>, Lydia Ramharack<sup>1</sup>, Patricia Bierly<sup>1</sup>, Ann Farrara<sup>1</sup>, Feigenbaum Kara<sup>1</sup>, Karen Hlywiak<sup>1</sup>, Janel Steinhoff<sup>3</sup>, Ritu Verma<sup>1,2</sup>, Arunjot Singh<sup>1,2</sup>, Lisa Fahey<sup>1,2</sup>. <sup>1</sup>Pediatrics/Division of Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Thomas Jefferson University, Philadelphia, PA, USA.
- BUN CHANGE FROM ADMISSION AND LEVELS AT 24-48 HOURS ARE SIGNIFICANT PREDICTORS OF SEVERITY IN PEDIATRIC ACUTE PANCREATITIS. Peter Farrell<sup>1,2</sup>, Lindsey Hornung<sup>3</sup>, Peter Farmer<sup>2,8</sup>, Ashley Serrette<sup>2,4</sup>, Tom Lin<sup>1,5</sup>, Jaimie Nathan<sup>6,7</sup>, David Vitale<sup>1,5</sup>, Maisam Abu-El-Haija<sup>1,5</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Pediatric Residency, Children's Hospital of The King's Daughters, Norfolk, VA, USA; <sup>3</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>4</sup>Division of Emergency Medicine, Cohen Children's Medical Center, New Hyde Park, NY, USA; <sup>5</sup>Department of Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>6</sup>Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>7</sup>Department of Surgery, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>8</sup>Department of Pediatrics, Eastern Virginia Medical School, Norfolk, VA, USA.
- WHO'S AT RISK? A PROGNOSTIC MODEL FOR SEVERITY PREDICTION IN PEDIATRIC ACUTE PANCREATITIS.

  Peter Farrell<sup>1,3</sup>, Lindsey Hornung<sup>2</sup>, Peter Farmer<sup>3,4</sup>, Angelica DesPain<sup>5</sup>, Esther Kim<sup>6</sup>, Ryan Pearman<sup>5</sup>,
  Beemnet Neway<sup>5</sup>, Ashley Serrette<sup>3,7</sup>, Sona Sehgal<sup>11</sup>, Tom Lin<sup>1,8</sup>, Jaimie Nathan<sup>9,10</sup>, David Vitale<sup>1,8</sup>, Maisam
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  Medicine, Cincinnati, OH, USA; <sup>11</sup>Gastroenterology, Hepatology and Nutrition, Children's National Health
  System, Washington, DC, USA.
- 205 PARTNERING WITH COMMUNITY VOICE TO DETERMINE IDEAL PATIENT REPORTED OUTCOME MEASURES IN THE DEVELOPMENT OF THE GALAXY STUDY. Alvin Freeman<sup>1</sup>, Baha Moshiree<sup>2</sup>, Enid Aliaj<sup>3</sup>, Drucy Borowitz<sup>3</sup>, Steven Freedman<sup>4</sup>, Christina Roman<sup>3</sup>, Sarah Jane Schwarzenberg<sup>5</sup>, Meghana Sathe<sup>6</sup>.

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- 206 UTILITY OF ULTRASOUND IN CHILDREN WITH ACUTE PANCREATITIS BASED ON BODY HABITUS. Jared Gelbs¹, Jonathan Miller¹, Samuel Bitton², Nina Kohn³, Toba Weinstein². ¹Pediatrics, Cohen Children's Medical Center Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, New Hyde Park, NY, USA; ²Pediatric Gastroenterology, Cohen Children's Medical Center Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, New Hyde Park, NY, USA; ³Biostatistics, Feinstein Institute for Medical Research, Great Neck, NY, USA.
- 207 DIAGNOSTIC ACCURACY OF SEROLOGIC SCREENING TESTS FOR CELIAC DISEASE IN ASYMPTOMATIC ADULTS AND CHILDREN WITH TYPE 1 DIABETES. Michelle Gould2, Farid Mahmud1.3, Antoine Clarke1, Kariym Joachim<sup>1</sup>, Esther Assor<sup>1</sup>, Amish Parikh<sup>4</sup>, Andrew Advani<sup>5</sup>, Baiju Shah<sup>6</sup>, Bruce Perkins<sup>7,3</sup>, Caroline Zuijdwijk<sup>8</sup>, Charlotte McDonald<sup>9</sup>, David Mack<sup>10</sup>, Dror Koltin<sup>11</sup>, Eugene Hsieh<sup>12</sup>, Eva Szentgyorgi<sup>13</sup>, Fred Saibil<sup>14</sup>, Geetha Mukerji<sup>15</sup>, Heather Lochnan<sup>16</sup>, Jeremy Gilbert<sup>6</sup>, Kevin Bax<sup>17</sup>, Margaret Lawson<sup>8</sup>, Melanie Beaton<sup>18</sup>, Navaaz Saloojee<sup>19</sup>, Olivia Lou<sup>20</sup>, Patricia Gallego<sup>21</sup>, Robyn Houlden<sup>22</sup>, Ronnie Aronson<sup>24</sup>, Susan Kirsch<sup>23</sup>, William Paterson<sup>25</sup>, Zubin Punthakee<sup>26</sup>, Peggy Marcon<sup>2,3</sup>. <sup>1</sup>Endocrinology, The Hospital for Sick Children (SickKids), Toronto, ON, Canada; <sup>2</sup>Gastroenterology, The Hospital for Sick Children (SickKids), Toronto, ON, Canada; <sup>3</sup>Faculty of Medicine, Department of Pediatrics, University of Toronto, Toronto, ON, Canada; <sup>4</sup>Endocrinology, Trillium Health Partners, Mississauga, ON, Canada; <sup>5</sup>Endocrinology, St. Michael's Hospital, Toronto, ON, Canada; <sup>6</sup>Endocrinology and Metabolism, Sunnybrook Health Sciences Centre, Toronto, ON, Canada; <sup>7</sup>Endocrinology, University Health Network, Toronto, ON, Canada; <sup>8</sup>Endocrinology, Children's Hospital of Eastern Ontario (CHEO), Ottawa, ON, Canada; 9Endocrinology and Metabolism, St. Joseph's Health Care, London, ON, Canada; <sup>10</sup>Gastroenterology, Children's Hospital of Eastern Ontario (CHEO), Ottawa, ON, Canada; <sup>11</sup>Endocrinology, Trillium Health Partners, Mississauga, ON, Canada; <sup>12</sup>Pathology, Sunnybrook Health Sciences Centre, Toronto, ON, Canada; <sup>13</sup>Pathology, University Health Network, Toronto, ON, Canada; <sup>14</sup>Gastroenterology, Sunnybrook Health Sciences Centre, Toronto, ON, Canada; 15 Endocrinology, Women's College Hospital, Toronto, ON, Canada; 16 Endocrinology, The Ottawa Hospital, Ottawa, ON, Canada; <sup>17</sup>Gastroenterology, London Health Sciences Centre, London, ON, Canada; <sup>18</sup>Gastroenterology, London Health Sciences Centre, London, ON, Canada; <sup>19</sup>Gastroenterology, The Ottawa Hospital, Ottawa, ON, Canada; <sup>20</sup>Canadian Clinical Trials Network, Juvenile Diabetes Research Foundation (JDRF), New York, NY, USA; <sup>21</sup>Endocrinology, London Health Sciences Centre, London, ON, Canada; <sup>22</sup>Endocrinology, Kingston General Hospital, Kingston, ON, Canada; <sup>23</sup>Endocrinology, Markham-Stouffville Hospital, Markham, ON, Canada; <sup>24</sup>LMC Diabetes & Endocrinology, Toronto, ON, Canada; <sup>25</sup>Gastroenterology, Kingston General Hospital, Kingston, ON, Canada; <sup>26</sup>Endocrinology, Hamilton Health Sciences, Hamilton, ON, Canada.
- 208 PEARSON SYNDROME RESTROSEPCTIVE STUDY OF GASTROINTESTINAL MANIFESTATIONS. Nawras Habash<sup>1</sup>, Sumit Parikh<sup>2</sup>, Kadakkal Radhakrishnan<sup>3</sup>. <sup>1</sup>Pediatrics, Cleveland Clinic Foundation, Cleveland, OH, USA; <sup>2</sup>Pediatric Neurology, Cleveland Clinic Foundation, Cleveland, OH, USA; <sup>3</sup>Pediatric Gastroenterology, Cleveland Clinic Foundation, Cleveland, OH, USA.
- 209 COPPER-INDUCED MYELONEUROPATHY IN A 25-YEAR-OLD MALE PATIENT WITH CONGENITAL TUFTING ENTEROPATHY. Nawras Habash<sup>1</sup>, Michael Schmalz<sup>2</sup>, Orkun Baloglu<sup>3</sup>, Manikum Moodley<sup>4</sup>, Kadakkal Radhakrishnan<sup>2</sup>. <sup>1</sup>Pediatrics, Cleveland Clinic Foundation , Cleveland , OH, USA; <sup>2</sup>Pediatric Gastroenterology, Cleveland Clinic Foundation, Cleveland, OH, USA; <sup>3</sup>Pediatric ICU, Cleveland Clinic Foundation, Cleveland, OH, USA; <sup>4</sup>Pediatric Neurology, Cleveland Clinic Foundation, Cleveland, OH, USA.
- 210 KAWASAKI DISEASE MASQUERADING AS ACUTE PANCREATITIS. Mariyam Hashmi¹, Taylor Pollock², Muhammad Mujtaba Bhinder³, Youmna Mousattat¹, Pratikkumar Patel⁴. ¹Pediatrics, Charleston Area Medical Center/West Virginia University, Charleston, WV, USA; ²West Virginia University, Morgantown,

WV, USA; <sup>3</sup>Dow International Medical College, Karachi, Pakistan; <sup>4</sup>Pediatric Gastroenterology, Hepatology & Nutrition, West Virginia University, Charleston, WV, USA.

- 211 PHOSPHORUS BIOAVAILABILITY OF DIFFERENT ELEMENTAL FORMULA IN HEALTHY ADULTS WITH ESOMEPRAZOLE-INDUCED HYPOCHLORHYDRIA. Clemens Bergwitz³, Simone Eussen², Pilou L.H.R. Janssens², Monique Visser², Thomas O. Carpenter⁴, Ardy Helvoort²,¹.¹NUTRIM: School of Nutrition and Translational Research in Metabolism, Maastricht University, Maastricht, Netherlands; ²Danone Nutricia Research, Utrecht, Netherlands; ³Section of Endocrinology and Metabolism, Yale University School of Medicine, New Haven, CT, USA; ⁴Department of Pediatrics, Yale University School of Medicine, New Haven, CT, USA.
- 212 CHRONIC DIARRHEA IN AN INFANT SECONDARY TO ISOLATED AMYLASE DEFICIENCY. Ivonne Iglesias. Pediatric Gastroenterology, LSU Health New Orleans, New Orleans, LA, USA.
- 213 CASE SERIES OF SIBLINGS WITH ABETALIPOPROTEINEMIA: REVIEW OF PRESENTATION, DIAGNOSIS AND TREATMENT. Kathleen Lo¹, Sue Hilk², Sabina Ali¹,², Prita Mohanty¹,². ¹Pediatrics, UCSF Benioff Children's Hospital, Oakland, CA, USA; ²Pediatric Gastroenterology, UCSF Benioff Children's Hospital, Oakland, CA, USA.
- 214 CHRONIC MALABSORPTIVE DIARRHEA AND PCSK1 GENE MUTATION. Nathan Minkoff<sup>1</sup>, Mehek Mehta<sup>2</sup>, Imdad Ullah<sup>1</sup>, Nishaben Patel<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Rochester, Rochester, NY, USA; <sup>2</sup>Pediatrics, University of Rochester, Rochester, NY, USA.

# **MEET THE PROFESSOR BREAKFATS**

Friday, October 18, 2019 7:00am – 8:00am

# See ticket for room assignment

USO DE BIOLÓGICOS EN ENFERMEDAD INFLAMATORIA INTESTINAL
Francisco Sylvester, MD, MSc, UNC School of Medicine and Andres Bodas Pinedo, MD

WOMEN IN MEDICINE: COACHES, MENTORS, SPONSORS: EVERYTHING YOU NEED TO KNOW
Toba Weinstein, MD, MSc, Cohen Children's Medical Center, Northwell Health and Laurie Fishman, MD, Boston Children's Hospital

FECAL INCONTINENCE AND FUNCTIONAL CONSTIPATION: A BEHAVIORAL MASTER CLASS
Jaime Belkind-Gerson, MD, MSc, Children's Hospital Colorado and Christine Low Kapalu, PhD, Children's Mercy Kansas City

# SOCIAL MEDIA

Douglas Mogul, MD, Johns Hopkins Hospital and John Pohl, MD, University of Utah

# NUTRITIONAL THERAPY IN IBD

Anthony Otley, MD, Dalhousie University and Jen Smith, MS, RD, CSP, LD, LMT

# COMPLEX CASES IN IBD AND THE LIVER

Mark Deneau, MD, University of Utah and Amanda Ricciuto, MD, The Hospital For Sick Children

# **COMPLEX AERODIGESTIVE CASES**

Eric Chiou, MD, Baylor College of Medicine and Mairaede McSweeney, MD, MPH, Boston Children's Hospital

# PRODUCTIVITY AND THE EMR

Eric Benchimol, MD, Children's Hospital of Eastern Ontario and Christopher Hayes, MD, St Mary's Hospital

## **PLENARY SESSION**

Friday, October 18, 2019 8:15am – 10:15am

# Sheraton/Chicago Ballroom Level 4

Moderators: Karen Murray, MD and Benjamin Gold MD

8:15am INTRODUCTION AND WELCOME

Benjamin Gold, MD, Children's Center for Digestive Healthcare, LLC

8:20am WILLIAM F BALISTRERI LECTURE: GETTING MORE MILEAGE OUT OF OUR MAGNIFICENT

**MICROBIOME** 

Jack Gilbert, PhD, UC San Diego School of Medicine

#### YOUNG FACULTY INVESTIGATOR AWARD

8:45am 215 BILE DUCT INJURY IS ASSOCIATED WITH A DISTINCT HEPATIC GENE EXPRESSION SIGNATURE

AND INFLAMMATORY INFILTRATE IN PEDIATRIC ONSET AUTOIMMUNE LIVER DISEASE. Simon Lam<sup>1</sup>, Annika Yang vom Hofe<sup>1</sup>, Immaculeta Osuji<sup>1</sup>, Ruchi Singh<sup>1</sup>, Sean Maynor<sup>1</sup>, Mary Mullin<sup>1</sup>, Jonathan Dillman<sup>3,4</sup>, Rebekah Karns<sup>2</sup>, Alexander miethke<sup>1</sup>. <sup>1</sup>Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>4</sup>Radiology, University of Cincinnati College of Medicine, Cincinnati,

OH, USA.

8:53am KEYNOTE: ADVANCING LEARNING HEALTH SYSTEMS IN PEDIATRICS

Christopher Forrest, MD, PhD, Children's Hospital of Philadelphia

9:18am BUSINESS MEETING

# NASPGHAN FOUNDATION FELLOW TO FACULTY TRANSITION AWARD IN INFLAMMATORY BOWEL DISEASES GRAND WATKINS PRIZE

9:38am 216 NUCLEAR RECEPTOR LRH-1 IS A THERAPEUTIC TARGET FOR INFLAMMATORY BOWEL

DISEASE (IBD). Hongtao Wang<sup>1</sup>, Jae Man LEE<sup>2</sup>, Kevin Klatt<sup>3</sup>, Guohui Wang<sup>1</sup>, Xiangsheng Huang<sup>1</sup>, David Moore<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Department of Biochemistry and Cell Biology, Kyungpook National University, Daegu, Korea (the Republic of); <sup>3</sup>Department of Nutrition, Cornell University, Ithaca, NY, USA; <sup>4</sup>Department of

Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX, USA.

9:46am YEAR IN REVIEW

Melvin Heyman, MD, UCSF Benioff Children's Hospital

Friday, October 18, 2019 10:30am – 12:00pm

# **COLONOSCOPY SKILLS WORKSHOP (Advanced Registration Required)**

Streeterville Level 3

Organizers: Douglas Fishman, MD, FASGE, Texas Children's Hospital and Catharine Walsh, MD, MEd, PhD, FRCPC,
The Hospital for Sick Children

Friday, October 18, 2019 10:30am – 12:00pm

## **NEUROGASTROENTEROLOGY**

Chicago 6 – 7 Level 4

Moderators: Kara Gross Margolis, MD, Columbia University Medical Center and Jaime Belkind-Gerson, MD, MSc, Children's Hospital Colorado

10:30am

BASIC MECHANISMS FOR NEURO-REGENERATION AND REPAIR Robert Heuckeroth, MD, PhD, Children's Hospital of Philadelphia Objectives:

- Understand the structure and many functions of the human enteric nervous system.
- Understand how birth defects and various types of injuries impair enteric nervous system function, causing human disease.
- Understand the newest research suggesting that small molecules and stem cells might allow
  us to rebuild or replace the enteric nervous system when it is damaged or missing. These
  basic science discoveries suggest we may be entering a new era in care for people with
  bowel motility disorders.

10:55am

ARE WE OVER- OR UNDERDIAGNOSING PEDIATRIC GASTROPARESIS? Katja Kovacic, MD, Children's Hospital of Wisconsin Objectives:

- Understand the complexity of gastric physiology and how it relates to upper GI symptoms
- Understand the limitations of current diagnostic modalities
- Appreciate implications for clinical practice and the need for better measures

#### NEUROGASTROENTEROLOGY AND MOTILITY PRIZE

11:20am

217 IMPAIRED VAGAL EFFICIENCY PREDICTS PAIN REDUCTION WITH PERCUTANEOUS ELECTRICAL NERVE FIELD STIMULATION (PENFS) THERAPY FOR FUNCTIONAL ABDOMINAL PAIN DISORDERS. Katja Kovacic<sup>1</sup>, Jacek Kolacz<sup>2</sup>, Stephen Porges<sup>2</sup>. <sup>1</sup>Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>2</sup>Kinsey Institute, Indiana University, Bloomington, IN, USA.

11:32am

NOVEL TREATMENTS FOR FUNCTIONAL ABDOMINAL PAIN: WHAT'S IN THE PIPELINE? Miguel Saps, MD, University of Miami School of Medicine Objectives:

- To provide a summary of the current care of children with functional abdominal pain
- Describe pitfalls of current standard of care
- To provide an overview of novel treatments
- Discuss potential alternative approaches to care, opportunities for research and future directions

Friday, October 18, 2019 10:30am – 12:00pm

## INTESTINAL FAILURE: THROUGH THE LENS OF THE LONG TERM SURVIVORS

Chicago 9 Level 4

Moderators: Debora Duro, MD, MS, Salah Foundation Children's Hospital and Valeria Cohran, MD, Ann & Robert H Lurie Children's Hospital

### 10:30am POTENTIAL ROLE OF NEW FAT EMULSIONS

John Kerner, MD, Stanford University

# Objectives:

- Discuss the role of phytosterols in the etiology of intestinal failure associated liver disease
- Review the differences between fat emulsions available in the U.S.
- Describe specific indications for the two new fat emulsions

# 10:55am GETTING IN LINE: TOWARDS A CLINICAL PRACTICE GUIDELINE FOR CENTRAL VENOUS CATHETER SALVAGE IN HOME PARENTERAL NUTRITION PATIENTS

Bram Raphael, MD, Boston Children's Hospital

# Objectives:

- Preserving venous access can be critical to patient long-term survival
- Factors impacting rates of success in central venous catheter salvage
- Developing a central venous catheter salvage management algorithm, including antimicrobial locks
- Future quality improvement opportunities

## 11:20am

218 MICROBIAL METABOLITES AS MARKERS OF INTESTINAL DYSBIOSIS IN PEDIATRIC SHORT BOWEL SYNDROME. Arthur Kastl<sup>1</sup>, Lindsey Albenberg<sup>1</sup>, Christina Bales<sup>1</sup>, Michael Bennett<sup>1</sup>, Elliot Friedman<sup>2</sup>, William Mitchell<sup>1</sup>, Ceylan Tanes<sup>1</sup>, Natalie Terry<sup>1</sup>, Gary Wu<sup>2</sup>. <sup>1</sup>Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Medicine, University of Pennsylvania, Philadelphia, PA, USA.

# 11:32am

TROPHIC GROWTH FACTORS: A PRACTICAL VIEW
Beth Carter, MD, Children's Hospital of Los Angeles
Objectives:

- Review the timeline and design/outcomes of the trials for a new intestinotrophic agent recently FDA-approved for pediatric patients with SBS who are dependent on TPN
- Summarize the medical monitoring guidelines for pediatric patients prescribed a new intestinotrophic agent for pediatric SBS patients who are TPN-dependent
- Discuss the benefits of a multidisciplinary Intestinal Rehabilitation Center in providing multidisciplinary care for SBS and the importance of working together as a medical community to improve access and safe prescribing of a new intestinotrophic agent for ALL potential candidate patients

Friday, October 18, 2019 10:30am – 12:00pm

# **BASIC SCIENCE OF THE PANCREAS**

Chicago 10, Level 4

Moderators: Alvin Jay Freeman, MD, Emory University Hospital and Tanja Gonska, MD, The Hospital for Sick Children

# 10:30am

PATIENT DERIVED PANCREAS-ON-A-CHIP TO MODEL CYSTIC FIBROSIS RELATED DIABETES AP Naren, PhD, Cincinnati Children's Hospital Medical Center Objectives:

- Learn why Cystic Fibrosis (CF) Patients are at a very high risk to develop Cystic Fibrosis Related Diabetes (CFRD) as they get older
- Understand how Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) which is highly expressed in pancreatic ductal epithelial cells, which is in close proximity to pancreatic islets may play a role in insulin secretion
- Understand how Patient derived Pancreatic ductal Organoid technology that we developed
  to generate a pancreas-on-a-chip, a microfluidic devise with pancreatic ductal epithelial cells
  on the top chamber and islets on the bottom chamber can help elucidate the relationship
  between CF and diabetes

#### 10:55am

219 EXPLOITING GLOBAL METABOLOMIC AND LIPIDOMIC PLASMA PROFILING TO IDENTIFY BIOMARKERS THAT WILL PREDICT THE RISK OF DEVELOPING THE COMPLICATION OF PANCREATITIS WITH THE ANTI-LEUKEMIC DRUG ASPARAGINASE. Li Wen², Yue Wei³, Chaitanya Srinivasan⁴, Paul Fogle⁵, Sameer Agnihotri⁶, Ying Ding³, Sohail Husain¹. ¹Pediatrics, Stanford University, Palo Alto, CA, USA; ²Gastroenterology, Shanghai General Hospital and Shanghai Jiao Tong University School of Medicine, Shanghai, Shanghai Municipality, China; ³Biostatistics, University of Pittsburgh, Pittsburgh, PA, USA; ⁴Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA; ⁵Metabolon, Durham, NC, USA; ⁶Pediatrics, University of Pittsburgh, PIttsburgh, PA, USA.

# 11:07am

A MECHANISTIC APPROACH TO PANCREATIC DISEASES IN CHILDREN Aliye Uc, MD, University of Iowa Hospitals & Clinics Objectives:

- Review most common causes of pancreatic damage in childhood
- Describe mechanisms of most common pancreatic diseases in children
- · Understand current management of pediatric pancreatic diseases

# AMIN TJOTA PANCREAS PRIZE

# 11:32am

220 THE DRUG COMPLICATION OF PANCREATIC INJURY WITH ASPARAGINASE IS RELATED TO PANCREATIC LEVELS OF THE ENDOGENOUS COUNTERACTING ENZYME ASPARAGINE SYNTHETASE AND INTRA-PANCREATIC NUTRIENT STRESS. Amitava Mukherjee<sup>1</sup>, Nayyar Ahmed<sup>2</sup>, Abraheem Ahmad<sup>1</sup>, Tanveer Javed<sup>1</sup>, Li Wen<sup>3</sup>, Sohail Husain<sup>4</sup>. <sup>1</sup>Pediatrics, University of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Pharmacy, University of Pittsburgh, Pittsburgh, PA, USA; <sup>3</sup>Gastroenterology, Shanghai General Hospital and Shanghai Jiao Tong University School of Medicine, Shanghai, Shanghai Municipality, China; <sup>4</sup>Pediatrics, Stanford University, Palo Alto, CA, USA. <sup>1</sup>Pediatrics, University of Pittsburgh, PA, USA; <sup>2</sup>Pharmacy, University of Pittsburgh, Pittsburgh, PA, USA; <sup>3</sup>Gastroenterology, Shanghai General Hospital and Shanghai Jiao Tong University School of Medicine, Shanghai, Shanghai Municipality, China; <sup>4</sup>Pediatrics, Stanford University, Palo Alto, CA, USA.

Friday, October 18, 2019 10:30am – 12:00pm

# SURGERY IN IBD (3 "P'S" IN A POD)

Sheraton 4/5 Level 4

Moderators: Lori Zimmerman, MD, Boston Children's Hospital and Ashish Patel, MD, UT Southwestern Medical Center

### 10:30am PROBLEMATIC POUCH

Jeremy Adler, MD, MSc, University of Michigan Objectives:

- Learn about the risk for developing pouch problems
- Review strategies for evaluating pouch problems
- Understand options for management of pouch problems

# 10:55am PENETRATING AND STRICTURING CROHN'S DISEASE

Nicholas Carman, FRACP, MBBS, BSc, Children's Hospital of Eastern Ontario Objectives:

- Learn to identify patients at risk for complicated disease
- Differentiate patients who would benefit from surgery vs optimized medical care
- Review medical/endoscopic therapies for patients with stricturing/penetrating disease

#### 11:20am

221 USE OF SMALL BOWEL ULTRASOUND TO PREDICT RESPONSE TO INFLIXIMAB INDUCTION IN PEDIATRIC CROHN'S DISEASE. Michael Dolinger<sup>1</sup>, Jungwhan Choi<sup>4</sup>, Becky Phan<sup>3</sup>, Henrietta Rosenberg<sup>2</sup>, John Rowland<sup>3</sup>, Marla Dubinsky<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Kravis Children's Hospital at Mount Sinai, New York, NY, USA; <sup>2</sup>Pediatric Radiology, Kravis Children's Hospital at Mount Sinai, New York, NY, USA; <sup>3</sup>The Mount Sinai Hospital, New York, NY, USA; <sup>4</sup>Department of Radiology, Boston Children's Hospital, Boston, MA, USA.

# 11:32am

PRE AND POST SURGICAL MANAGEMENT OF IBD: A CUT ABOVE THE REST Dana Michelle Dykes, MD, Children's Center for Digestive Health Care Objectives:

- · To identify strategies for medical optimization surrounding surgery for IBD
- To recognize potentially preventable complications associated with peri-operative care
- To develop opportunities for a patient-centered approach to surgical care of patients with IBD

Friday, October 18, 2019 10:30am – 12:00pm

#### LIVER TRANSPLANT

Chicago 8 Level 4

Moderators: Mercedes Martinez, MD, New York-Presbyterian Hospital and Sanjiv Harpavat, MD, PhD, Texas Children's Hospital

## 10:30am

CARE OF LIVER TRANSPLANT RECIPIENTS FOR THE GASTROENTEROLOGIST Elizabeth Rand, MD, Children's Hospital of Philadelphia Objectives:

- Identify routine follow up needs for liver transplant recipients
- Recognize GI luminal complications of liver transplant
- Differentiate complications requiring return to transplant center

## 10:55am

222 THE ASSOCIATION BETWEEN NEIGHBORHOOD SOCIOECONOMIC MEASURES AND A NOVEL BIOMARKER OF NONADHERENCE: RESULTS FROM A MULTI-CENTER COHORT. Sharad Wadhwani<sup>1</sup>, John Bucuvalas<sup>2,3</sup>, Cole Brokamp<sup>1,4</sup>, Ravinder Anand<sup>5</sup>, Ashutosh Gupta<sup>6</sup>, stuart taylor<sup>1</sup>, Eyal Shemesh<sup>2</sup>, Andrew Beck<sup>1,4</sup>. <sup>1</sup>Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>3</sup>Kravis Children's Hospital, New York, NY, USA; <sup>4</sup>University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>5</sup>The Emmes Corporation, Rockville, MD, USA; <sup>6</sup>The Emmes Corporation, Bangalore, India.

# 11:07am

CHOOSING A LIVER TRANSPLANT CENTER: ASPECTS TO CONSIDER Evelyn Hsu, MD, Seattle Children's Hospital Objectives:

- Understand what center-dependent factors influence morbidity and mortality on the pediatric liver waitlist
- Understand what center-dependent factors influence long-term pediatric outcomes following liver transplantation

# 11:32am

223 LIVER DISEASE ASSESSMENT AND POST-TRANSPLANT LIVER DISEASE EVOLUTION IN ISOLATED HEART TRANSPLANTATION FOR FONTAN FAILURE AS DETERMINED BY CLINICAL SCORING, MRI AND LIVER BIOPSY. Dellys Soler-Rodriguez<sup>1,2</sup>, Chad Mao<sup>4,2</sup>, William Mahle<sup>4,2</sup>, Adina Alazraki<sup>6,2</sup>, Kiery Braithwaite<sup>6,2</sup>, Shelley Caltharp<sup>5,2</sup>, Heather Rytting<sup>5,2</sup>, Joseph Magliocca<sup>3,2</sup>, kirk kanter<sup>7,2</sup>, Rene Romero<sup>1,2</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Emory University School of Medicine, Atlanta, GA, USA; <sup>2</sup>Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>3</sup>Division of Transplantation, Emory University School of Medicine, Atlanta, GA, USA; <sup>5</sup>Division of Pediatric Pathology, Emory University School of Medicine, Atlanta, GA, USA; <sup>6</sup>Division of Pediatric Radiology, Emory University School of Medicine, Atlanta, GA, USA; <sup>7</sup>Division of Cardiothoracic Surgery, Emory University School of Medicine, Atlanta, GA, USA.

# HANDS ON ENDOSCOPY

Friday, October 18, 2019 12:00pm – 2:30pm

> Michigan Room Level 2

Organizer: Marsha Kay, MD

#### POSTER SESSION II

Friday, October 18, 2019
12:00pm – 2:30pm
Riverwalk
Level 1
Presenters at their posters from 12:30pm – 1:30pm

## \*Posters of Distinction

#### **APGNN - EDUCATION / CLINICAL PRACTICE**

- 224 ROLE OF BOVINE CLOSTRUM IN THE TREATMENT OF ACUTE DIARRHEA IN EGYPTIAN CHILDREN; A RADOMISED DOUBLE- BLIND PLACEBO CONTROLED TRIAL. Sana Barakat. Pediatrics, Alexandria University, Faculty of Medicine, Alexandria, Egypt.
- 225 IS IT ALL IN MY HEAD? PHARYNGEAL DYSPHAGIA AND CHIARI MALFORMATION IN TODDLERS. Megan Enenbach, Fernando Zapata. GI, Children's Hospital and Medical Center, Omaha, NE, USA.
- 226 AMBULATORY PEDIATRIC GASTROENTEROLOGY (GI) TELEPHONE TRIAGE (TT) RED FLAG GUIDELINE:
  NURSING ASSESSMENT, INTERVENTION AND DISPOSITION. Sara Fidanza<sup>1,2</sup>, Amy Pyo-Twist<sup>1</sup>. <sup>1</sup>GI, Children's
  Hospital Colorado, Denver, CO, USA; <sup>2</sup>University of Colorado Anshutz Campus, Aurora, Colorado,
  Afghanistan.
- 227 *VOMITING: A CASE FROM THE TEXTBOOK.* Kristin Madden<sup>1</sup>, Fernando Zapata<sup>1</sup>, Steven Raynor<sup>2</sup>. <sup>1</sup>GI, Children's Hospital & Medical Center, Omaha, NE, USA; <sup>2</sup>Pediatric Surgery, Children's Hospital & Medical Center, Omaha, NE, USA.
- DETERMINING OPTIMAL VISCOSITY OF COMMERCIALLY PREPARED FOOD-BASED BLENDERIZED FORMULA TO BE ADMINISTERED VIA ENTERAL FEEDING TUBE USING THE INTERNATIONAL DYSPHAGIA DIET STANDARDIZATION INITIATIVE FRAMEWORK. Sharon Weston<sup>1</sup>, Joseph Moffitt<sup>2</sup>, Tracie Clarke<sup>1</sup>. <sup>1</sup>Center for Nutrition, Boston Children's Hospital, Peabody, MA, USA; <sup>2</sup>Phillips Academy, Andover, MA, USA.
- OPTIMIZING NURSING AND PHARMACY COLLABORATION IN THE CARE OF PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE. Melanie Oates<sup>1</sup>, BARB DROBNIC<sup>1</sup>, Megan McNicol<sup>1</sup>, Jennifer Dotson<sup>1,2</sup>, Brendan Boyle<sup>1</sup>. <sup>1</sup>GI, Nationwide Children's Hospital, Galloway, OH, USA; <sup>2</sup>The Abigail Wexner Research Institute, Nationwide Children's Hospital, COLUMBUS, OH, USA.
- 230 SCREENING AND COUNSELING FOR T1D IN PATIENTS WITH CELIAC DISEASE. Missy Olson, Edwin Liu. Digestive Health Institute, Children's Colorado, Denver, CO, USA.
- 231 EXPANDING THE SCOPE OF ENTERAL THERAPY FOR PEDIATRIC CROHN'S DISEASE IN THE ERA OF BIOLOGICS. Jennifer Smith<sup>1</sup>, Brendan Boyle<sup>1</sup>, Amy Donegan<sup>1</sup>, Ross Maltz<sup>1,2</sup>, Jennifer Dotson<sup>1,3</sup>.

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  <sup>3</sup>Center for Innovation in Pediatric Practice, The Abigail Wexner Research Institute, Nationwide Children's Hospital, Columbus, OH, USA.

- 232 MULTIDISCIPLINARY INFLAMMATORY BOWEL DISEASE EDUCATION: UTILIZING A VIRTUAL PLATFORM TO IMPROVE ACCESSIBILITY. Jamie Stevenson, Janine McDermott. Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 233 EXAMINATION OF TUBE FEEDING SCHEDULES ON ORAL INTAKE: A RETROSPECTIVE CHART REVIEW. Caitlin Waddle<sup>1</sup>, Lindsey Burrell<sup>2</sup>, Rashelle Berry<sup>1</sup>. <sup>1</sup>Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>2</sup>Children's + Emory Pediatric Institute, Atlanta, GA, USA.

# **ENDOSCOPY/QI/EDUCATION**

- 234 HIGH-POWERED MAGNET INGESTION IN A CHILD: THE IMPORTANCE OF PLANNING AHEAD. Prerana Baranwal<sup>1</sup>, Nitsana Spigland<sup>2</sup>, Matthew Iyer<sup>3</sup>, Aliza Solomon<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, New York-Presbyterian Hospital/Weill Cornell Medicine, New York, NY, USA; <sup>2</sup>Pediatric Surgery, Weill Cornell Medicine, New York, NY, USA; <sup>3</sup>Surgery, New York-Presbyterian Hospital/Weill Cornell Medicine, New York, NY, USA; <sup>4</sup>Pediatric Gastroenterology and Nutrition, Weill Cornell Medicine, New York, NY, USA.
- 235 *PEDIATRIC ESOPHAGITIS DESSICANS SUPERFICIALIS: A CASE SERIES.* Nonyelum Ebigbo<sup>1</sup>, Jason Park<sup>2</sup>, Bhaskar Gurram<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Texas Southwestern, Red Oak, TX, USA; <sup>2</sup>Pathology, University of Texas Southwestern, Dallas, TX, USA.
- \*236 FOOT DROP FOLLOWING SUPINE, FROG-LEG, POSITIONING DURING COLONOSCOPY. Dean Focht<sup>1</sup>, Henry Maguire<sup>2</sup>. <sup>1</sup>Pedatiric Gastroenterology, Geisinger, Danville, PA, USA; <sup>2</sup>Pediatric Neurology, Geisinger, Danville, PA, USA.
- \*237 CHALLENGES IN MANAGING MAJOR UPPER GASTROINTESTINAL BLEEDING. Ben Freiberg, Anthony Porto, Alex Koral, Pamela Valentino. Section of Gastroenterology and Hepatology, Department of Pediatrics, Yale University School of Medicine, New Haven, CT, USA.
- \*238 IMPROVING ADHERENCE TO QUALITY METRICS USING THE ELECTRONIC MEDICAL RECORD IN THE ENDOSCOPY SUITE. Mary Sawh<sup>1,2</sup>, Amy Hemperly<sup>1,2</sup>, Griffin Gorsky<sup>2</sup>, Heather Pierce<sup>3,2</sup>, Lillian Choi<sup>1,2</sup>.

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- CASE REPORT: SECONDARY INTESTINAL LYMPHANGIECTASIA ASSOCIATED WITH GASTROSCHISIS. Kelly Grzywacz<sup>1</sup>, Jean Jaques DeBruycker<sup>2</sup>, Martha Dirks<sup>1</sup>, Josee Dubois<sup>3</sup>, Einrika Siguineau<sup>1</sup>. <sup>1</sup>Gastroenterology, CHU Sainte Justine, Montreal, QC, Canada; <sup>2</sup>Immunology, CHU Sainte Justine, Montreal, QC, Canada; <sup>3</sup>Radiology, CHU Sainte Justine, Montreal, QC, Canada.
- A UNIQUE CASE OF A 12-WEEK-OLD MALE WITH HIRSHSPRUNG'S DISEASE AND COLONIC CYSTIC LESIONS. Sherief Mansi<sup>1</sup>, Bhaskar Gurram<sup>1</sup>, Naseem Uddin<sup>2</sup>. <sup>1</sup>Pediatrics, UTSW, Dallas, TX, USA; <sup>2</sup>Pathology, UTSW, Dallas, TX, USA.

- 241 LACK OF PARENTAL KNOWLEDGE OF ENDOSCOPY PROCEDURES AFTER INFORMED CONSENT: CHOOSING AN APPROPRIATE LEARNING MODALITY FOR ENDOSCOPY EDUCATION. Heidi Hagerott<sup>1,2</sup>, Zarela Molle-Rios<sup>1</sup>, Pippa Simpson<sup>2</sup>, Mahua Dasgupta<sup>2</sup>, Diana Lerner<sup>2</sup>. <sup>1</sup>Pediatrics, Alfred I duPont Hospital for Children, Wilmington, DE, USA; <sup>2</sup>Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA.
- 242 SAFELY REDUCING INPATIENT ADMISSIONS FOR PH IMPEDANCE PROBE TESTING FOR YOUNG CHILDREN LEADS TO SIGNIFICANT COST SAVINGS. Keith Hazleton<sup>1,2</sup>, Jacob Mark<sup>1,2</sup>, Caroline Hall<sup>1,2</sup>, Robert Kramer<sup>1,2</sup>.

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- TIME SPENT IN THE ELECTRONIC HEALTH RECORD BY PEDIATRIC GASTROENTEROLOGY: USE OF EPIC SIGNAL DATA TO INFORM PHYSICIAN COMPENSATION. Steven Miller<sup>5</sup>, Ethan Mezoff<sup>4</sup>, Jenifer Lightdale<sup>6</sup>, Steven Liu<sup>3</sup>, Jeannie Huang<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Rady Children's Hospital San Diego, San Diego, CA, USA; <sup>2</sup>Pediatrics, University of California San Diego, La Jolla, CA, USA; <sup>3</sup>GI Care for Kids, Atlanta, GA, USA; <sup>4</sup>Pediatric Gastroenterology, Nationwide Children's Hospital, Cleveland, OH, USA; <sup>5</sup>Pediatric Gastroenterology, The Johns Hopkins School of Medicine, Baltimore, MD, USA; <sup>6</sup>Pediatric Gastroenterology, University of Massachusetts School of Medicine, Worcester, MA, USA.
- 244 GASTROINTESTINAL MORPHOLOGICAL AND HISTOPATHOLOGICAL FINDINGS IN A PEDIATRIC POPULATION EXPOSED TO LEAD IN THE AREA OF GREAT FLINT. Fatima Hussain<sup>1,2</sup>, Ahmed Sarheed<sup>1</sup>, Jenny LaChance<sup>2</sup>, Mohammad Tabbah<sup>1</sup>. <sup>1</sup>Pediatrics, Hurley Medical Center, Grand Blanc, MI, USA; <sup>2</sup>Michigan State University, Flint, MI, USA.
- A RARE CASE OF SOLITARY INTESTINAL FIBROMATOSIS IN AN INFANT PRESENTING AS RECURRENT ATYPICAL INTUSSUSCEPTION AND INTESTINAL PERFORATION. Kimera Joseph<sup>1</sup>, David Jones<sup>2</sup>. <sup>1</sup>Pediatrics, Brooke Army Medical Center, San Antonio, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Brooke Army Medical Center, San Antonio, TX, USA.
- 246 RARE PRESENTATION OF SEVERE UPPER GI BLEED: HEMOSUCCUS PANCREATICUS IN A PATIENT WITH HEMOPHILIA A. Shelly Joseph, Anthony Guerrerio. Pediatric Gastroenterology, Johns Hopkins Hospital, Baltimore, MD, USA.
- 247 COLONOSCOPY SKILLS AND "TRAIN THE TRAINER" COURSES FOR PEDIATRIC ENDOSCOPY: NORTH AMERICAN EXPERIENCE. Isha Kaul¹, Karen Queliza², Kevin A. Waschke³, Catharine Walsh⁴, Douglas Fishman². ¹Pediatrics, Baylor College of Medicine, Houston, TX, USA; ²Section of Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; ³Department of Medicine, McGill University Health Centre, Montreal, QC, Canada; ⁴Division of Gastroenterology, Hepatology and Nutrition, The Hospital for Sick Children, Toronto, ON, Canada.
- DOWN THE RABBIT HOLE: CONSIDERATIONS FOR INGESTED FOREIGN BODIES. Jerry Brown<sup>2</sup>, Molly Kidder<sup>1</sup>, Abigail Fabbrini<sup>2</sup>, Jonathan deVries<sup>2</sup>, Nicole Chandler<sup>3</sup>, Jason Robertson<sup>3</sup>, Michael Wilsey<sup>4</sup>.

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- \*249 HEMATEMESIS FROM VARICES IN A 14-YEAR-OLD WITHOUT HEPATOBILIARY DISEASE? A "WANDERING" DIAGNOSIS. Maggie Kozman<sup>1,2</sup>, Farhana Ali<sup>3</sup>, Benjamin Keller<sup>4</sup>, Daniel Hershey<sup>5</sup>. <sup>1</sup>Internal Medicine/Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>2</sup>Pediatrics, Rady Children's Hospital San Diego, San Diego, CA, USA; <sup>3</sup>Pediatric Gastroenterology, Rady Children's Hospital San Diego, San Diego, CA, USA; <sup>4</sup>Pediatric Surgery, Rady Children's Hospital San Diego, CA, USA; <sup>5</sup>Pediatric Hospital Medicine, Rady Children's Hospital San Diego, CA, USA.
- 250 PROBE-BASED CONFOCAL LASER ENDOMICROSCOPY OFFERS AN IN-VIVO REAL TIME ASSESSMENT OF THE MUCOSA IN PEDIATRIC INFLAMMATORY BOWEL DISEASE. Chloe Kupelian<sup>2</sup>, Roberto Gugig<sup>3</sup>, Clifton Huang<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cook Children's Healthcare, Fort Worth, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Valley Children's Hospital, Madera, CA, USA; <sup>3</sup>Pediatric Gastroenterology, Lucile Packard Children's Hospital, Palo Alto, CA, USA.
- 251 COLITIS AND EBV+ SMOOTH MUSCLE TUMOR IN THE SETTING OF IMMUNODEFICIENCY CAUSED BY A MUTATION IN CARMIL2. Stanley Lau<sup>1</sup>, Erika Hissong<sup>2</sup>, Debra Beneck<sup>2</sup>, Kimberley Chien<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, New York Presbyterian Weill Cornell Medicine, New York, NY, USA; <sup>2</sup>Department of Clinical Pathology and Laboratory Medicine, New York Presbyterian Weill Cornell Medicine, New York, NY, USA.
- 252 IDENTIFYING PATIENTS WITH RARE DISEASES FOR RESEARCH USING BILLING CODES: IS THERE A BETTER WAY? Jennifer Lee<sup>1</sup>, Jeffrey Hoffman<sup>3</sup>, Courtney Hebert<sup>2</sup>, Kathy Nuss<sup>3</sup>, Cory Hussain<sup>2</sup>, Steven Erdman<sup>1</sup>.

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- PEDIATRIC ERCP EXPERIENCE FOR PANCREAS INDICATIONS AT A DEDICATED PANCREAS CENTER. Sagar Pathak<sup>2</sup>, Maisam Abu-El-Haija<sup>1</sup>, Jaimie Nathan<sup>3</sup>, David Vitale<sup>1</sup>, Lindsey Hornung<sup>4</sup>, Tom Lin<sup>1</sup>.

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- SAFETY AND EFFECTIVENESS OF PLACEMENT OF NASOGASTRIC TUBE UNDER ENDOSCOPIC GUIDANCE IN PREVENTION OF STRICTURE FORMATION, AFTER CORROSIVE INGESTION IN CHILDREN. Munir Lodhi<sup>1,2</sup>, Muhammad Hashmi<sup>1</sup>, Zeeshan Saleem<sup>2</sup>. <sup>1</sup>Paediatrics, Foundation University Islamabad, Pakistan, Rawalpindi, Punjab, Pakistan; <sup>2</sup>Paediatrics, Military Hospital, Rawalpindi, Punjab, Pakistan.
- 255 *IDIOPATHIC COLONIC VARICES: AN UNCOMMON DIAGNOSIS.* Maria Lopez Gonzalez<sup>1</sup>, Erick Hernandez<sup>2</sup>, Roberto Gomara<sup>2</sup>, Richard Arboleda<sup>2</sup>, William Muinos<sup>2</sup>, Jesse Reeves-Garcia<sup>2</sup>. <sup>1</sup>Medical Education, Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>PGA GI, Nicklaus Children's Hospital, Miami, FL, USA.
- ABDOMINAL APOPLEXY IN A TEENAGER: A DIFFERENT APPROACH IN MANAGEMENT. Sherief Mansi<sup>1</sup>, Isabel Rojas<sup>1</sup>, Cory Pfeifer<sup>2</sup>. <sup>1</sup>Pediatrics, Gastroenterology division, UT Southwestern, Dallas, TX, USA; <sup>2</sup>Pediatric Radiology, UT Southwestern, Dallas, TX, USA.

- 257 DIAGNOSTIC ROLE OF CAPSULE ENDOSCOPY IN A 4-YEAR-OLD MALE PRESENTING WITH ANEMIA AND GASTROINTESTINAL BLEEDING. Sherief Mansi, Isabel Rojas. Pediatrics, Gastroenterology Division, UT Southwestern, Dallas, TX, Dallas, TX, USA.
- 258 RESULTS OF DUODENOSCOPE CULTURE AND QUARANTINE AFTER MANUFACTURER-RECOMMENDED CLEANING PROCESS. Jacob Mark<sup>1,2</sup>, Karin Underberg<sup>3</sup>, Robert Kramer<sup>1,2</sup>. <sup>1</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>Pediatrics, University of Colorado School of Medicine, Aurora, CO, USA; <sup>3</sup>Perioperative Services, Children's Hospital Colorado, Aurora, CO, USA.
- FIBROMYXOID SARCOMA PRESENTING AS COLOCOLONIC INTUSSUSCEPTION IN A 4 YEAR OLD BOY. Jamie Mathew<sup>1</sup>, Mindy Statter<sup>2</sup>, Gitit Tomer<sup>1</sup>, Inna Novak<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Hospital at Montefiore, New York, NY, USA; <sup>2</sup>Division of Pediatric Surgery, Children's Hospital at Montefiore, Bronx, NY, USA.
- 260 ENDOSCOPIC BALLOON DILATION AS INITIAL MANAGEMENT FOR CHILDREN WITH STRICTURING CROHN'S DISEASE: A SINGLE CENTER EXPERIENCE. Brianna McSorley<sup>1,2</sup>, Johanna Palmadottir<sup>2</sup>, Candi Jump<sup>2</sup>, Keri Walker<sup>2</sup>, J. Antonio Quiros<sup>2</sup>. <sup>1</sup>Pediatrics, MUSC, Charleston, SC, USA; <sup>2</sup>Pediatric Gastroenterology, MUSC, Charleston, SC, USA.
- 261 INTESTINAL LYMPHONODULAR HYPERPLASIA: AN UNDERRECOGNIZED BUT NOTEWORTHY CAUSE OF RECURRENT INTUSSUSCEPTION. Jessica Chin³, Jonathan Medernach², Anil Kesavan¹. ¹Pediatric Gastroenterology, Rush University Children's Hospital, Chicago, IL, USA; ²Rush University Children's Hospital, Chicago, IL, USA; ³Rush Medical College, Chicago, IL, USA.
- 262 PEDIATRIC ENDOSCOPY QUALITY IMPROVEMENT: STANDARDIZATION OF ENDOSCOPIC BIOPSY PRACTICES AMONG GI PRACTITIONERS AT A TERTIARY PEDIATRIC CENTER. Gautam Nagendra, Quratulain Merchant, Sharon Tam. Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA.
- 263 PEDIATRIC CAPSULE ENDOSCOPY: ACHIEVING 0% CAPSULE RETENTION RATE IN THE DIAGNOSIS AND MANAGEMENT OF GASTROINTESTINAL DISORDERS IN CHILDREN. Stephen Nanton, Joelle Roskens. Pediatrics, Avera McKennan Hospital, Sioux Falls, SD, USA.
- DETECTION OF ESOPHAGEAL HETEROTOPIC GASTRIC MUCOSA IN ESOPHAGEAL ATRESIA AND NON-ESOPHAGEAL ATRESIA POPULATIONS USING BOTH WHITE LIGHT AND NARROW BAND IMAGING. Peter Ngo², Ali Kamran¹, Jessica Yasuda², Susannah Clark¹, Shawn Anderson¹, Benjamin Zendejas¹, Thomas Hamilton¹, Russell Jennings¹, Michael Manfredi². ¹Surgery, Boston Children's Hospital / Harvard Medical School, Boston, MA, USA; ²Gastroenterology, Boston Children's Hospital / Harvard Medical School, Boston, MA, USA.
- 265 IMPROVING ONDANSETRON USAGE FOR ACUTE GASTROENTERITIS IN A PEDIATRIC ACUTE CARE CLINIC.
  Perseus Patel, Thomas Wallach, Anne Lyon, Chathruckan Rajendra, Vivek Shenoy, Sindhura Batchu,
  Addison Cuneo, Matthew Nordstrom, Zachary Marcus, Jennifer Burgis, Sofia Verstraete. Pediatrics,
  University of California San Francisco, San Francisco, CA, USA.

- 266 AN UNUSUAL PRESENTATION OF COLLAGENOUS GASTRITIS. Samit Patel<sup>1</sup>, Shuan Li<sup>2</sup>, Nishant Patel<sup>1</sup>.

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- 267 EFFICACY OF PEDIATRIC COLONOSCOPY PREPARATORY PROTOCOLS: A SINGLE CENTER QUALITY IMPROVEMENT INITIATIVE. Tiffany Patton, Timothy Sentogo, Hilary Jericho, Ruba Azzam, Ranjana Gokhale, Stefano Guandalini. Pediatric Gastroenterology, University of Chicago, Chicago, IL, USA.
- 268 QUALITY IMPROVEMENT: USING THE PUCAI IN THE CARE OF PEDIATRIC PATIENTS HOSPITALIZED WITH ULCERATIVE COLITIS. Meryl Perlman, Rasha Elmaoued, Kriston Ganguli, Esther Israel. Pediatric Gastroenterology, Hepatology, and Nutrition, Massachusetts General Hospital for Children, Chelsea, MA, USA.
- ASSESSMENT OF TELEMEDICINE PERCEPTION AS A GUIDE FOR PROGRAM EXPANSION IN PEDIATRIC GASTROENTEROLOGY. John Rosen<sup>1</sup>, Morgan Waller<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Telemedicine, The Children's Mercy Hospital, Kansas City, MO, USA.
- 270 COLONIC HYDROTHERAPY PRIOR TO COLONOSCOPY WHEN ORAL BOWEL PREPARATION IS INADEQUATE A PROOF OF CONCEPT STUDY. Joseph Garzia<sup>2</sup>, Thomas Attard<sup>1</sup>, John Rosen<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Gastroenterology, Mater Dei Hospital, Msida, Malta.

# **EOE/GERD/AERODIGESTIVE**

- 271 PREVALENCE AND EPIDEMIOLOGY OF EOSINOPHILIC ESOPHAGITIS IN PATIENTS WITH CYSTIC FIBROSIS UTILIZING A POPULATION-BASED 5-YEAR STUDY. Omar Alaber<sup>1,2</sup>, Ramy Sabe<sup>1,2</sup>, Senthilkumar Sankararaman<sup>1,2</sup>, Virginia Baez Socorro<sup>1,2</sup>, Thomas Sferra<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology & Nutrition, UH Rainbow Babies & Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Pediatrics, Case Western Reserve University School of Medicine, Cleveland, OH, USA.
- 272 RAMAN METABOLOMICS DELINEATES TISSUE LEVEL BIOCHEMICAL DIFFERENCES ASSOCIATED WITH EOSINOPHILIC ESOPHAGITIS. Girish Hiremath<sup>2,1</sup>, Andrea Locke<sup>1</sup>, Giju Thomas<sup>1</sup>, Rekha Gautam<sup>1</sup>, Henan Correa<sup>2</sup>, Sari Acra<sup>2</sup>, Evan Dellon<sup>3</sup>, Anita Mahadevan-Jansen<sup>1</sup>. <sup>1</sup>Vanderbilt Biophotonics Center, Nashville, TN, USA; <sup>2</sup>Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA; <sup>3</sup>University of North Carolina at Chapel Hill, Chapel Hill, NC, USA.
- DOSE AND FREQUENCY REDUCTION OF ORAL VISCOUS BUDESONIDE THERAPY IS NOT EFFECTIVE IN MAINTAINING HISTOLOGIC REMISSION IN PEDIATRIC EOSINOPHILIC ESOPHAGITIS. Jennifer Hong<sup>1</sup>, Elaine Puppa<sup>4</sup>, Samra Blanchard<sup>1</sup>, Anupama Kewalramani<sup>3</sup>, Nidhi Rawal<sup>2,1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Maryland Medical Center, Baltimore, MD, USA; <sup>2</sup>Pediatric Gastroenterology, Sitaram Bhartia Institute of Science and Research, Delhi, India; <sup>3</sup>Pediatric Allergy and Immunology, University of Maryland Medical Center, Baltimore, MD, USA; <sup>4</sup>University of Maryland Medical Center, Baltimore, MD, USA.
- 274 THE UTILITY OF EPITHELIAL EOSINOPHILIC DERIVED NEUROTOXIN MEASURED IN ESOPHAGEAL BRUSHING DURING ENDOSCOPY IN THE DIAGNOSIS OF EOSINOPHILIC ESOPHAGITIS. Puanani Hopson, Justin de Boer,

Samit Patel, Chirajyoti Deb, Devendra Mehta, Yamen Smadi. Pediatric Gl, Oralndo Health, University of Florida, Orlando, FL, USA.

- A NOVEL FOOD ADDITIVE REMOVAL DIET FOR EOSINOPHILIC ESOPHAGITIS (FREE STUDY): CONCEPTUAL DESIGN AND CLINICAL TRIAL METHODS. Shannon Henry<sup>1</sup>, Joshua Wechsler<sup>5</sup>, Dale Lee<sup>4</sup>, David Suskind<sup>4</sup>, Zarela Molle-Rios<sup>3</sup>, Hadeel Al' Atrash<sup>1,2</sup>, Franciosi James<sup>1,2</sup>. <sup>1</sup>GI, Nemours Children's Hospital, Orlando, FL, USA; <sup>2</sup>Pediatrics, University of Central Florida, Orlando, FL, USA; <sup>3</sup>Gastroenterology, Alfred I. Dupont Hospital for Children, Wilmington, DE, USA; <sup>4</sup>Gastroenterology, Seattle Children's Hospital, Seattle, WA, USA; <sup>5</sup>Gastroenterology, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA.
- STAT6 VARIANTS ASSOCIATE WITH RESPONSE TO PPI THERAPY FOR MAINTENANCE OF LONG-TERM HISTOLOGICAL REMISSION OF EOSINOPHILIC ESOPHAGITIS. Edward Mougey³, Vivian Nguyen⁴, Carolina Gutierrez-Junquera⁶, Sonia Fernandez- Fernandez⁵, Maria Luz Cilleruelo⁶, Ana Isabel Rayo⁶, Luis Echeverría⁶, Enriqueta Román⁶, Carmen Lois⁶, Montserrat Chao⁶, John Lima³, Hadeel Al' Atrash¹,², Franciosi James¹,² ¹GI, Nemours Children¹s Hospital, Orlando, FL, USA; ²Pediatrics, University of Central Florida College of Medicine, Orlando, FL, USA; ³Centre for Pharmacogenomics and Translational Research, Nemours Children¹s Health System, Jacksonville, FL, USA; ⁴College of Pharmacy, University of Florida, Gainsville, FL, USA; ⁵Department of Pediatric, Hospital Universitario Severo Ochoa, Madrid, Spain; ⁵Pediatrics, Hospital Universitario Puerta de Hierro-Majadahonda, Madrid, Spain.
- THE GREAT BREASTMILK DISCREPANCY: A LOOK AT EXPOSURE AMONGST PATIENTS WITH ESOPHAGEAL ATRESIA/TRACHEOESOPHAGEAL FISTULA. William Haug<sup>3</sup>, Paul Kingma<sup>4</sup>, Carrie Smith<sup>5</sup>, William Middlesworth<sup>2</sup>, Julie Khlevner<sup>1</sup>. <sup>1</sup>Pediatrics, Columbia University Irving Medical Center, New York, NY, USA; <sup>2</sup>Pediatric Surgery, Columbia University Irving Medical Center, NY, NY, USA; <sup>3</sup>Institute of Human Nutrition, Columbia University Irving Medical Center, NY, NY, USA; <sup>4</sup>Pediatrics, University of Cincinnati College of Medicine Cincinnati, Cincinnati, OH, USA; <sup>5</sup>Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 278 CLINICAL, HISTOLOGICAL AND MOLECULAR CHARACTERIZATION OF VERY EARLY ONSET EOSINOPHILIC ESOPHAGITIS REVEALS LARGE OVERLAP WITH LATER ONSET DISEASE AND RESPONSIVENESS TO DIETARY THERAPY. John Lyles<sup>1</sup>, Tetsuo Shoda<sup>2</sup>, Michael Trimarchi<sup>2</sup>, Lisa Martin<sup>3,4</sup>, Margaret Collins<sup>5,4</sup>, Vincent Mukkada<sup>1,4</sup>, Marc Rothenberg<sup>2,4</sup>. <sup>1</sup>Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Allergy and Immunology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>Human Genetics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- PATTERNS OF ACID SUPPRESSION MEDICATION USE FOR REFLUX-RELATED OUTPATIENT GI VISITS. Lisa Mahoney<sup>1</sup>, Jenny Chan Yuen<sup>2</sup>, Caitlin Lenz<sup>2</sup>, Alison Mann<sup>2</sup>, Taruna Banerjee<sup>2</sup>, Rachel Rosen<sup>1</sup>. <sup>1</sup>GI/Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Department of Pediatrics, Boston Children's Hospital, Boston, MA, USA.
- ARE WE CAUSING FOOD ALLERGIES?: FOOD PROTEIN-INDUCED ALLERGIC PROCTOCOLITIS IS PROSPECTIVELY ASSOCIATED WITH IGE-MEDIATED FOOD ALLERGY BY AGE 3. Victoria Martin<sup>1,2</sup>, Yamini Virkud<sup>3,2</sup>, Neelam Phadke<sup>3,2</sup>, Kuan-wen Su<sup>4</sup>, Hannah Seay<sup>3</sup>, Micaela Atkins<sup>5</sup>, Corinne Keet<sup>6</sup>, Wayne Shreffler<sup>3,2</sup>, Qian Yuan<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, Massachusetts General Hospital, Cambridge, MA, USA; <sup>2</sup>Harvard Medical School, Boston, MA, USA; <sup>3</sup>Pediatric Allergy and Immunology, Massachusetts General Hospital, Boston, MA, USA; <sup>4</sup>Pediatrics, Keelung Chang Gung Memorial Hospital,

Keelung, Taiwan; <sup>5</sup>Pediatrics, Massachusetts General Hospital, Boston, MA, USA; <sup>6</sup>Pediatric Allergy and Immunology, Johns Hopkins University School of Medicine, Baltimore, MD, USA.

- 281 LOSS OF RESPONSE TO PPI IN PATIENT INITIALLY MEETING CRITERIA FOR PPI-REE. Vijay Mehta, Yamen Smadi. Gastroenterology, University of Florida at Orlando Health, Orlando, FL, USA.
- UNDERSTANDING VARIATION IN PHYSICIAN DIAGNOSIS AND MANAGEMENT OF PEDIATRIC EOSINOPHILIC ESOPHAGITIS. Talya Miller<sup>1,2</sup>, Dale Lee<sup>2</sup>, Amanda Muir<sup>3</sup>, Miriam Haviland<sup>4</sup>, K. Casey Lion<sup>1,4</sup>. <sup>1</sup>Pediatrics, University of Washington, Seattle, WA, USA; <sup>2</sup>Gastroenterology, Seattle Children's Hospital, Seattle, WA, USA; <sup>3</sup>Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Pediatrics, Seattle Children's Hospital, Seattle, WA, USA.
- STUDY DESIGN AND BASELINE PATIENT CHARACTERISTICS OF A PHASE 3, RANDOMIZED, PLACEBO-CONTROLLED TRIAL OF BUDESONIDE ORAL SUSPENSION IN PATIENTS WITH EOSINOPHILIC ESOPHAGITIS.

  Evan Dellon<sup>1</sup>, Ikuo Hirano<sup>2</sup>, Vincent Mukkada<sup>3</sup>, David Katzka<sup>4</sup>, Benjamin Gold<sup>5</sup>, Nirav Desai<sup>6</sup>, Lan Lan<sup>6</sup>, James Williams<sup>6</sup>, Margaret Collins<sup>7</sup>. <sup>1</sup>Center for Esophageal Diseases and Swallowing, Division of Gastroenterology and Hepatology, Department of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA; <sup>2</sup>Division of Gastroenterology and Hepatology, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>3</sup>Division of Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>4</sup>Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA; <sup>5</sup>Children's Center for Digestive Healthcare, LLC Gi Care for Kids, Atlanta, GA, USA; <sup>6</sup>Shire, a Takeda company, Lexington, MA, USA; <sup>7</sup>Department of Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, University of Cincinnati College of Medicine, Cincinnati, OH, USA.
- DOES EOSINOPHIL DERIVED NEUROTOXIN PREDICT RESPONSIVENESS TO TREATMENT WITH PROTON PUMP INHIBITOR IN CHILDREN AND YOUNG ADULTS WITH EOSINOPHILIC ESOPHAGITIS? Shruti Nabar², Puanani Hopson¹, Justin de Boer¹, Yamen Smadi¹. ¹Pediatric GI, Orlando Health, University of Florida, Orlando, FL, USA; ²Pediatrics, Orlando Health, University of Florida, Orlando, FL, USA.
- PEDIATRIC ESOPHAGEAL FOOD IMPACTIONS: ASSESSING MANAGEMENT TRENDS, FOLLOW-UP AND ASSOCIATION WITH EOSINOPHILIC ESOPHAGITIS ACROSS A LARGE, INTEGRATED HEALTHCARE SYSTEM.

  Karyn Parsons², Katherine Wolpert³, Andrea McInerny¹, Kathryn Peterson⁴, Kent Korgenski⁵, Kelly Huynh⁵, Molly O'Gorman¹, Jacob Robson¹. ¹Pediatrics, Gastroenterology, University of Utah / Primary Children's Hospital, Salt Lake City, UT, USA; ²Pediatrics, University of Utah, Salt Lake City, UT, USA; ³Pediatrics, Emergency Medicine, University of Utah, Salt Lake City, UT, USA; ⁴Internal Medicine, University of Utah, Salt Lake City, UT, USA; ⁵Pediatric Clinical Program, Outcomes Data, Intermountain Healthcare, Salt Lake City, UT, USA.
- 286 NATURAL HISTORY OF EOSINOPHILIC ESOPHAGITIS IN CHILDREN: A RETROSPECTIVE CHART REVIEW FROM A TERTIARY CARE CENTER. Elizabeth Hilow, Praveen Kumar Conjeevaram Selvakumar, Sophia Patel. Pediatric Gastroenterology, Cleveland Clinic Foundation, Cleveland, OH, USA.
- 287 CLINICAL CHARACTERISTICS ASSOCIATED WITH FAILURE TO FOLLOW UP AFTER ESOPHAGEAL FOOD IMPACTION. Kent Rosenwald<sup>1,2</sup>, Calies Menard-Katcher<sup>1,2</sup>. <sup>1</sup>Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>University of Colorado School of Medicine, Aurora, CO, USA.

# **FUNCTIONAL/MOTILITY**

- 288 ERYTHROPOIEITIN ACCELERATES FUNCTIONAL RECOVERY IN POSTOPERATIVE ILEUS IN MICE. Walaa Elfar<sup>1</sup>, Anagha Gurjar<sup>2,3</sup>, M.A. Hassan Talukder<sup>2,3</sup>, Mark Noble<sup>5</sup>, Carlo Di Lorenzo<sup>4</sup>, John Elfar<sup>2,3</sup>. <sup>1</sup>Pediatrics, The Pennsylvania State University, Milton S. Hershey Medical Center, Hershey, PA, USA; <sup>2</sup>Orthopaedics and Rehabilitation, The Pennsylvania State University, College of Medicine, Hershey, PA, USA; <sup>3</sup>Center for Orthopaedic Research and Translational Science, The Pennsylvania State University, Milton S. Hershey Medical Center, Hershey, PA, USA; <sup>4</sup>Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; <sup>5</sup>Biomedical Genetics, University of Rochester, Rochester, NY, USA.
- GASTROINTESTINAL (GI) SYMPTOMS IN CHILDREN DURING GASTRIC EMPTYING SCINTIGRAPHY TESTING (GES). Liz Febo-Rodriguez<sup>1,2</sup>, Bruno Chumpitazi<sup>1,2</sup>, Andrew Sher<sup>3</sup>, Robert Shulman<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>United States Department of Agriculture, Children's Nutrition Research Center, Agriculture Research Services, Houston, TX, USA; <sup>3</sup>Body and Nuclear Radiology, Texas Children's Hospital, Houston, TX, USA.
- 290 INFLUENCE OF FAMILY HISTORY ON CHILDREN WITH IRRITABLE BOWEL SYNDROME. Yinan Fu<sup>1</sup>, Ron Thomas<sup>2</sup>, Kristen Cares<sup>3</sup>. <sup>1</sup>Pediatrics, Children's Hospital of Michigan, Detroit, MI, USA; <sup>2</sup>Children's Research Center, Children's Hospital of Michigan, Detroit, MI, USA; <sup>3</sup>Pediatric Gastroenterology, Children's Hospital of Michigan, Detroit, MI, USA.
- COMORBIDITIES AND MEDICATIONS ASSOCIATED WITH ALTERED COLONIC MOTILITY IN CHILDREN WITH CHALLENGING CONSTIPATION. Roberto Gomez Suarez<sup>1,2</sup>, Kimberley Taba-Hirata<sup>2</sup>, Julia Nedimyer<sup>2</sup>, Hadeel Al' Atrash<sup>1,2</sup>, Pablo Palomo<sup>1,2</sup>, Franciosi James<sup>1,2</sup>, Lloyd Werk<sup>3</sup>, Jobajer Hossain<sup>4</sup>, Shanon Henrry<sup>5</sup>, Amanda D'Ambra<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology Hepatology and Nutrition, Nemours Children's Hospital, Orlando , FL, USA; <sup>2</sup>University of Central Florida, College of Medicine, Orlando, FL, USA; <sup>3</sup>Pediatrics, Nemours Children's Hospital, Orlando, FL, USA; <sup>4</sup>Research, Alfred Dupont Children's Hospital, Wilmington, DE, USA; <sup>5</sup>Biomedical Research, Nemours Children's Hospital, Orlando, FL, USA.
- 292 COMORBIDITIES ASSOCIATED WITH ALTERED ANORECTAL MANOMETRY IN CHILDREN WITH CHALLENGING CONSTIPATION. Roberto Gomez Suarez<sup>1,2</sup>, Kimberley Taba-Hirata<sup>2</sup>, Julia Nedimyer<sup>2</sup>, Hadeel Al' Atrash<sup>1,2</sup>, Pablo Palomo<sup>1,2</sup>, Julie Denham<sup>1,2</sup>, Lloyd Werk<sup>1,2</sup>, Shannon Henry<sup>1</sup>, Amanda D'Ambra<sup>1</sup>, Carmen Romero<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology Hepatology and Nutrition, Nemours Children's Hospital, Orlando, FL, USA; <sup>2</sup>University of Central Florida College of Medicine, Orlando, FL, USA; <sup>3</sup>University of Central Florida, Health Sciences, Orlando, FL, USA.
- THE RELATIONSHIP BETWEEN PREMATURITY, METHOD OF DELIVERY, AND FUNCTIONAL GASTROINTESTINAL DISORDERS IN CHILDREN. Carlos Velasco-Benitez<sup>4</sup>, Susan Gutierrez<sup>3</sup>, Cara Axelrod<sup>1</sup>, Miguel Saps<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Miami, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Jackson Memorial Hospital, Miami, FL, USA; <sup>3</sup>Pediatrics, University of Miami/Jackson Memorial Hospital, Miami, FL, USA; <sup>4</sup>Pediatrics, Universidad del Valle, Cali, Colombia.
- 294 VALUE OF DIGITAL RECTAL EXAM IN PREDICTING ANORECTAL FUNCTION. Fatima Jamshed<sup>1</sup>, Julie Shotwell<sup>1</sup>, Sally Tarbell<sup>1,2</sup>, John Fortunato<sup>1,3</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Ann and Robert H. Lurie Children's Hospital, Chicago, IL, USA; <sup>2</sup>Psychiatry and Behavioral Sciences, Northwestern

Feinberg School of Medicine, Chicago, IL, USA; <sup>3</sup>Pediatrics, Northwestern Feinberg School of Medicine, Chicago, IL, USA.

- EVOLUTION OF FUNCTIONAL CONSTIPATION IN ECUADORIAN SCHOOLS AND ADOLESCENTS ACCORDING TO THE CRITERIA OF ROME IV VERSUS ROME III. Edgar JativA<sup>1,2</sup>, Zahira Jativa<sup>3</sup>, Byron Guevara<sup>4</sup>, Daniel Narvaez<sup>5</sup>, Carlos Velasco<sup>6</sup>. <sup>1</sup>Dirección Desarrollo Académico, Universidad Central del Ecuador, Quito, Pichincha, Ecuador; <sup>2</sup>Doctorado en Ciencias Medicas, Universidad de La Frontera, Quito, Pichincha, Ecuador; <sup>3</sup>Clinica Pediatrica, Hospital Pediatrico Baca Ortiz, Quito, Pichincha, Ecuador; <sup>4</sup>Dirección Desarrollo Académico, Universidad Central del Ecuador, Quito, Pichincha, Ecuador; <sup>5</sup>Postgrado de Gastroenterologia y Endoscopia, Pontificia Universidad Católica del Ecuador, Quito, Pichincha, Ecuador; <sup>6</sup>Pediatria, Universidad del Valle Cali Colombia, Cali, Del Valle, Colombia.
- 296 INTRA-ANAL BOTULINUM TOXIN INJECTION AND DILATION: SHORT TERM OUTCOMES FOR CHILDREN AND ADOLESCENTS WITH CONSTIPATION. Sarah Kemme<sup>1</sup>, Maneesh Chidambaram<sup>2</sup>, Khalil El-Chammas<sup>2</sup>, Lin Fei<sup>2</sup>, Ajay Kaul<sup>2</sup>, Manav Mathur<sup>2</sup>, Azadavir Singh<sup>2</sup>, Qin Sun<sup>2</sup>, Neha Santucci<sup>2</sup>. <sup>1</sup>Digestive Health Institute, Children's Hospital Colorado, Denver, CO, USA; <sup>2</sup>Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 297 CARDIAC AUTONOMIC REGULATION AND JOINT HYPERMOBILITY IN ADOLESCENTS WITH FUNCTIONAL ABDOMINAL PAIN DISORDERS. Jacek Kolacz<sup>2</sup>, Katja Kovacic<sup>1</sup>, Gregory Lewis<sup>2</sup>, Stephen Porges<sup>2</sup>.

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- 298 FECAL EXCRETION OF REDUCING SUBSTANCES IN HEALTHY INFANTS ACCORDING TO THE TYPE OF FEEDING. Laura Flores-Fong<sup>2</sup>, Alfredo Larrosa<sup>1</sup>. <sup>1</sup>Instituto de Nutrición Humana, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico; <sup>2</sup>Pediatric Gastroenterology, Hospital Civil de Guadalajara Dr. Juan I. Menchaca, Guadalajara, Jalisco, Mexico.
- 299 INTESTINAL CONSTIPATION, IRRITABLE BOWEL SYNDROME AND RETENTIVE FECAL INCONTINENCE IN A COHORT OF CHILDREN TAKEN CARE FOR COLIC DURING THE FIRST THREE MONTHS OF LIFE. Alfredo Larrosa. Instituto de Nutrición Humana, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico.
- 300 INTER-OBSERVER RELIABILITY FOR STOOL CONSISTENCY BETWEEN THE BRISTOL STOOL SCALE AND THE BRUSSELS INFANT AND TODDLER STOOL SCALE (BITSS) WHEN USING ROME IV CRITERIA IN YOUNGER CHILDREN. Alejandro Llanos-Chea<sup>1</sup>, Carlos Velasco-Benitez<sup>2</sup>, Miguel Saps<sup>1</sup>. <sup>1</sup>Pediatrics, University of Miami, Miami, FL, USA; <sup>2</sup>Pediatrics, Universidad del Valle, Cali, Colombia.
- A PRELIMINARY INVESTIGATION OF PHYSIOLOGICAL AND PSYCHOLOGICAL RISK FACTORS FOR THE DEVELOPMENT OF MULTIPLE PEDIATRIC CHRONIC PAIN CONDITIONS IN YOUTH WITH ABDOMINAL PAIN OR HEADACHE. Deidre Logan<sup>1,2</sup>, Taylor Turisi<sup>1</sup>, Beate Beinvogl<sup>3</sup>, Samuel Nurko<sup>3</sup>, Neil Schechter<sup>1</sup>.

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- PROSPECTIVE COMPARISON OF SACRAL NERVE STIMULATION VERSUS ANTEGRADE CONTINENCE ENEMAS FOR CHILDREN WITH SEVERE FUNCTIONAL CONSTIPATION. Lyon Wang<sup>2,1</sup>, Desiree Baaleman<sup>3,1</sup>, Mana Vriesman<sup>3,1</sup>, Devin Halleran<sup>4</sup>, Karen Diefenbach<sup>4</sup>, Marc Levitt<sup>4</sup>, Richard Wood<sup>4</sup>, Seth Alpert<sup>5</sup>, Marc Benninga<sup>3</sup>, Neetu Bali<sup>1,4</sup>, Karla Vaz<sup>1,4</sup>, Desalegn Yacob<sup>1,4</sup>, Carlo Di Lorenzo<sup>1,4</sup>, Peter Lu<sup>1,4</sup>. ¹Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; ²The Ohio State University College of Medicine, Columbus, OH, USA; ³Department of Pediatric Gastroenterology and Nutrition, Emma Children's Hospital/University of Amsterdam, Amsterdam, Netherlands; ⁴Center for Colorectal and Pelvic Reconstruction, Columbus, OH, USA; ⁵Division of Urology, Nationwide Children's Hospital, Columbus, OH, USA.
- SACRAL NERVE STIMULATION FOR CHILDREN WITH ANORECTAL MALFORMATION: A PROSPECTIVE COHORT STUDY. Lyon Wang<sup>3,1</sup>, Devin Halleran<sup>2</sup>, Karen Diefenbach<sup>2</sup>, Marc Levitt<sup>2</sup>, Richard Wood<sup>2</sup>, Seth Alpert<sup>4</sup>, Neetu Bali<sup>1,2</sup>, Karla Vaz<sup>1,2</sup>, Desalegn Yacob<sup>1,2</sup>, Carlo Di Lorenzo<sup>1,2</sup>, Peter Lu<sup>1,2</sup>. ¹Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; ²Center for Colorectal and Pelvic Reconstruction, Nationwide Children's Hospital, Columbus, OH, USA; ³The Ohio State University College of Medicine, Columbus, OH, USA; ⁴Division of Urology, Nationwide Children's Hospital, Columbus, OH, USA.
- A RARE BUT OFTEN OVERLOOKED CAUSE OF CHRONIC VOMITING AND DIARRHEA. Aditi Mittal<sup>3,4</sup>, Ramy Sabe<sup>2,1</sup>, Senthilkumar Sankararaman<sup>2,1</sup>. <sup>1</sup>Pediatric Gastroenterology, Casewestern Reserve University, Cleveland, OH, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology & Nutrition, Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>3</sup>Pediatrics, Metrohealth Medical Center, Cleveland, OH, USA; <sup>4</sup>Pediatrics, Casewestern Reserve University, Cleveland, OH, USA.
- 305 MISDIAGNOSIS OF CONGENITAL SUCRASE-ISOMALTASE DEFICIENCY IS COMMON IN CLINICAL PRACTICE: EVIDENCE BASED ON DISACCHARIDASES AND CSID GENOTYPING. Chirajyoti Deb, Stephani Campion, Veronica Derrick, Vanessa Ruiz, Bassam Abomoelak, Angelina Avdella, Devendra Mehta. Translational Research, Orlando Health, Orlando, FL, USA.

# **INFLAMMATORY BOWEL DISEASE**

- CROHN'S DISEASE WITH ESOPHAGEAL INVOLVEMENT AND PYODERMA GANGRENOSUM. Kanya Ahuja<sup>1</sup>, Jared Gelbs<sup>2</sup>, Toba Weinstein<sup>1</sup>, Ying Lu<sup>1</sup>, Benjamin Sahn<sup>1</sup>, James Markowitz<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cohen Children's Medical Center, Hicksville, NY, USA; <sup>2</sup>Pediatrics, Cohen Children's Medical Center, New Hyde Park, NY, USA.
- ASSOCIATION AND EPIDEMIOLOGY OF EOSINOPHILIC ESOPHAGITIS IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE USING THE EXPLORYS DATABASE. Omar Alaber<sup>3,1,2</sup>, Basma Dahash<sup>1</sup>, Apoorva Chandar<sup>3,2</sup>, Judy Splawski<sup>1,2</sup>, Jonathan Moses<sup>1,2</sup>, Amitabh Chak<sup>3,2</sup>, Thomas Sferra<sup>1,2</sup>. ¹Pediatric Gastroenterology, Hepatology & Nutrition, UH Rainbow Babies & Children's Hospital, Cleveland, OH, USA; ²Case Western Reserve University School of Medicine, Cleveland, OH, USA; ³Digestive Health Institute, University Hospitals Cleveland Medical Center, Cleveland, OH, USA.
- 308 A 14-YEAR-OLD FEMALE WITH PULMONARY MANIFESTATIONS OF CROHN'S DISEASE. Osman Altun<sup>1</sup>, Christie Cherian<sup>2</sup>, Marie Egan<sup>2</sup>, Danya Rosen<sup>1</sup>. <sup>1</sup>Pediartic Gastroenterology and Hepatology, Yale School of Medicine, New Haven, CT, USA; <sup>2</sup>Pediatric Pulmonology, Yale School of Medicine, New Haven, CT, USA.

- TEACHING CHILDREN ABOUT THEIR INFLAMMATORY BOWEL DISEASE A PILOT STUDY. Lara Hart<sup>1,2</sup>, Sally Lin<sup>3</sup>, Mallory Chavannes<sup>4</sup>, Mary Zachos<sup>2</sup>, Mary Sherlock<sup>2</sup>, Sylviane Forget<sup>1</sup>, Ernest Seidman<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, McGill University, Ancaster, ON, Canada; <sup>2</sup>Pediatric Gastroenterology, McMaster University, Hamilton, ON, Canada; <sup>3</sup>Medicine, McMaster University, Hamilton, ON, Canada; <sup>4</sup>Pediatric Gastroenterology, University of Southern California, Los Angeles, CA, USA.
- CANNABIS USE OVER 12-MONTH FOLLOW-UP IN PEDIATRIC INFLAMMATORY BOWEL DISEASE. Edward Hoffenberg<sup>1</sup>, Brittany Murphy<sup>2</sup>, Shannon McWilliams<sup>3</sup>, Susan Mikulich-Gilbertson<sup>3</sup>, Analice Hoffenberg<sup>4,5</sup>, Christian Hopfer<sup>3</sup>. <sup>1</sup>Pediatrics-GI, U Colorado Denver, Aurora, CO, USA; <sup>2</sup>Research Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>3</sup>Psychiatry, U Colorado Denver, Aurora, CO, USA; <sup>4</sup>Family Medicine, UC Denver, Aurora, CO, USA; <sup>5</sup>Public Health and Epidemiology, UC Denver, Aurora, CO, USA.
- 311 ULCERATIVE COLITIS EXPERIENCES AMONG CHILDREN: FINDINGS FROM A QUALITATIVE STUDY WITH CHILDREN AND PARENTS. Jason Randall<sup>2</sup>, Aiste Guobyte<sup>3</sup>, Theresa Hunter<sup>1</sup>, Louise Newton<sup>2</sup>, Tara Symonds<sup>2</sup>, Laure Delbecque<sup>4</sup>. <sup>1</sup>Eli Lilly and Company, Indianapolis, IN, USA; <sup>2</sup>Clinical Outcomes Solutions, Folkestone, United Kingdom; <sup>3</sup>Clinical Outcomes Solutions, Chicago, IL, USA; <sup>4</sup>Eli Lilly and Company, Brussels, Belgium.
- 312 IMPACT OF BIOLOGIC TREATMENT OF CROHN'S DISEASE ON HEALTHCARE RESOURCE UTILIZATION AMONG PEDIATRIC CD PATIENTS IN THE UNITED STATES. Theresa Hunter, April Naegeli, Yan Dong, Casey Choong, Wallace Crandall. Eli Lilly and Company, Indianapolis, IN, USA.
- 313 IMPACT OF BIOLOGIC TREATMENT OF ULCERATIVE COLITIS ON HEALTHCARE RESOURCE UTILIZATION AMONG PEDIATRIC UC PATIENTS IN THE UNITED STATES. Theresa Hunter, April Naegeli, Yan Dong, Casey Choong, Wallace Crandall. Eli Lilly and Company, Indianapolis, IN, USA.
- 314 SERUM ZINC AND SELENIUM STATUS IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE: A RETROSPECTIVE MULTICENTER STUDY IN JAPAN. Jun Ishihara¹, Katsuhiro Arai², Takahiro Kudo³, Ryusuke Nambu⁴, Hitoshi Tajiri⁵, Tomoki Aomatsu⁶, Naoki Abe⁻, Toshihiko Kakiuchi³, Kunio Hashimoto⁶, Tsuyoshi Sogo¹₀, Michiko Takahashi¹¹, Yuri Etani¹², Hirotaka Sakaguchi¹, Ken-ichiro Konishi¹, Tatsuki Mizuochi¹. ¹Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan; ²Gastroenterology, National Center for Child Health and Development, Tokyo, Japan; ³Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan; ⁴Gastroenterology and Hepatology, Saitama Children's Medical Center, Saitama, Japan; ⁵Pediatrics, Osaka General Medical Center, Osaka, Japan; ⁶Pediatrics, Osaka Medical College, Takatsuki, Japan; ¹Infection and Immunology, Aichi Children's Health and Medical Center, Aichi, Japan; ³Pediatrics, Faculty of Medicine, Saga University, Saga, Japan; ¹Pediatrics, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan; ¹1Pediatric Hepatology and Gastroenterology, Saiseikai Yokohamashi Tobu Hospital, Yokohamashi, Japan; ¹1Pediatrics, Sapporo Kosei General Hospital, Sapporo, Japan; ¹2Gastroenterology and Endocrinology, Osaka Women's and Children's Hospital, Osaka, Japan.
- Jausurawong<sup>1</sup>, Carrie Vylidahl<sup>2</sup>, Vivekanand Singh<sup>3</sup>, Jeffrey Johnston<sup>4</sup>, Tomi Pastinen<sup>4</sup>, Valentina Shakhnovich<sup>1,5</sup>. <sup>1</sup>Gastroenterology, Children's Mercy, Kansas City, MO, USA; <sup>2</sup>Clinical Pharmacology and Toxicology, Children's Mercy, Kansas City, MO, USA; <sup>3</sup>Pathology, Children's Mercy, Kansas City, MO, USA;

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- 316 REDUCTION IN CORTICOSTEROID USAGE AMONG PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE IN A LARGE LEARNING HEALTH SYSTEM. Prashanthi Kandavel<sup>1</sup>, Jeremy Adler<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Michigan , Ann Arbor, MI, USA; <sup>2</sup>Susan B. Meister Child Health Evaluation and Research Center, University of Michigan, Ann Arbor, MI, USA.
- DURABILITY OF INFLIXIMAB THERAPY IN VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE. Basavaraj 317 Kerur<sup>1</sup>, Eric Benchimol<sup>2</sup>, Karoline Fielder<sup>3</sup>, Marisa Gallant<sup>4</sup>, Jeffrey Hyams<sup>5</sup>, Michael Stephens<sup>6</sup>, Ying Lu<sup>7</sup>, Marian Pfefferkorn<sup>8</sup>, Razan Alkhouri<sup>9</sup>, Jennifer Strople<sup>10</sup>, Judith Kelsen<sup>11</sup>, Leah Siebold<sup>12</sup>, Alka Goyal<sup>13</sup>, Joel Rosh<sup>14</sup>, Neal LeLeiko<sup>15</sup>, Johan Van Limbergen<sup>16</sup>, Anthony Guerrerio<sup>17</sup>, Ross Maltz<sup>18</sup>, Lina Karam<sup>19</sup>, Eileen Crowley<sup>20</sup>, Anne Griffiths<sup>3</sup>, Sofia Verstraete<sup>28</sup>, Mark Deneau<sup>21</sup>, Keith Benkov<sup>22</sup>, Joshua Noe<sup>23</sup>, Dedrick Mouton<sup>24</sup>, Helen Pappa<sup>25</sup>, Joseph Galanko<sup>26</sup>, Scott Snapper<sup>27</sup>, Aleixo Muise<sup>3</sup>, Michael Kappelman<sup>26</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Massachusetts Medical School (UMMS), Worcester, MA, USA; <sup>2</sup>Children's Hospital of Eastern Ontario, Ottawa, ON, Canada; <sup>3</sup>The Hospital For Sick Children, Toronto, ON, Canada; <sup>4</sup>Children's Hospital Colorado, Denver, CO, USA; <sup>5</sup>Connecticut Children's Medical Center, Hartford, CT, USA; <sup>6</sup>Mayo Clinic, Rochester, MN, USA; <sup>7</sup>Cohen Children's Medical Center of New York, New York, NY, USA; <sup>8</sup>Riley Children's Hospital, Indianapolis, IN, USA; <sup>9</sup>University at Buffalo, Buffalo, NY, USA; <sup>10</sup>Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>11</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>12</sup>Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>13</sup>Children's Mercy, Kansas City, KS, USA; 14Goryeb Children's Hospital/Atlantic Health System, Morristown, NJ, USA; <sup>15</sup>Hasbro Children's Hospital, Providence, RI, USA; <sup>16</sup>IWK Health Centre, Halifax, NS, Canada; <sup>17</sup>Johns Hopkins University, Baltimore, MD, USA; 18 Nationwide Children's Medical Center, Columbus, OH, USA; <sup>19</sup>Texas Children's Hospital, Houston, TX, USA; <sup>20</sup>The Hospital for Sick Children, Toronto, ON, Canada; <sup>21</sup>University of Utah/Intermountain Primary Children's Hospital, Salt Lake City, UT, USA; <sup>22</sup>Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>23</sup>Medical College of Wisconsin, Milwaukee, WI, USA; <sup>24</sup>Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA; <sup>25</sup>Cardinal Glennon Children's Hospital, St Louis, MO, USA; <sup>26</sup>University of North Carolina in Chapel Hill, Chapel Hill, NC, USA; <sup>27</sup>Children's Hospital Boston, Boston, MA, USA; <sup>28</sup>University of California, San Francisco (UCSF) & UCSF Benioff Children's Hospital, San Francisco, MA, USA.
- 318 CLINICAL HISTORY OF CHILDREN WITH CROHN'S DISEASE WHO REQUIRE FIRST TIME SURGERY. Yelena Korotkaya, Gayathri Naraparaju, Steven Miller, Carmen Cuffari. Pediatric Gastroenterology, Johns Hopkins, Baltimore, MD, USA.
- 319 GRANULOMAS PREDICT PERIANAL FISTULA, WHICH MAY BE PREVENTABLE WITH ANTI-TNFα THERAPY. Lindsey Lawrence<sup>1</sup>, Andrew Singer<sup>1</sup>, Amer Heider<sup>3</sup>, Jeremy Adler<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Michigan , Ann Arbor, MI, USA; <sup>2</sup>Susan B. Meister Child Health Evaluation and Research Center, University of Michigan, Ann Arbor, MI, USA; <sup>3</sup>Department of Pathology, University of Michigan, Ann Arbor, MI, USA.
- 320 MAKING LEMONADE OUT OF LEMONS: BENEFIT FINDING AMONG YOUTH WITH CROHN'S DISEASE AND ULCERATIVE COLITIS. Rachel Lawton<sup>1</sup>, Robert Rothbaum<sup>2</sup>, Jill Weissberg-Benchell<sup>3</sup>, David Victorson<sup>4</sup>, Jason Washburn<sup>3</sup>. <sup>1</sup>Behavioral Medicine and Clinical Psychology, Cincinnati Children's Hospital and Medical Center, Cincinnati, OH, USA; <sup>2</sup>Pediatrics, University of California San Francisco, San Francisco, CA, USA; <sup>3</sup>Psychiatry and Behavioral Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>4</sup>Medical Social Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, USA.

- 321 *CLINICAL HYPNOSIS IN PEDIATRIC CROHN'S DISEASE.* Amanda Lee<sup>1</sup>, Dedrick Moulton<sup>1</sup>, Lindsey Mckernan<sup>2</sup>, Alexa Russell<sup>1</sup>, Sari Acra<sup>1</sup>, Lynn Walker<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Vanderbilt University Medical Center, Nashville, TN, USA; <sup>2</sup>Osher Center for Integrative Medicine, Vanderbilt University Medical Center, Nashville, TN, USA; <sup>3</sup>Adolescent Medicine, Vanderbilt University Medical Center, Nashville, TN, USA.
- 322 IDENTIFICATION OF SERUM PROTEIN BIOMARKERS FOR NON-INVASIVE DIAGNOSIS OF PEDIATRIC IBD USING SOMASCAN. Tina Morhardt<sup>3,5</sup>, Simon Dillon<sup>1,5</sup>, Hasan Otu<sup>4</sup>, Xuesong Gu<sup>1,5</sup>, Emma Li<sup>3</sup>, Jess Kaplan<sup>3,5</sup>, Christopher Moran<sup>3,5</sup>, Harland Winter<sup>3,5</sup>, Towia Libermann<sup>2,5</sup>. <sup>1</sup>Medicine, Beth Israel Deaconess Medical Center, Boston, MA, USA; <sup>2</sup>Medicine, Beth Israel Deaconess Medical Center, Boston, MA, USA; <sup>3</sup>Massachusetts General Hospital, Boston, MA, USA; <sup>4</sup>University of Nebraska Lincoln, Lincoln, NE, USA; <sup>5</sup>Harvard Medical School, Boston, MA, USA.
- FEATURES AND PREVALENCE OF INFLAMMATORY BOWEL DISEASE IN PEDIATRIC PATIENTS WITH HIDRADENITIS SUPPRATIVA AND ROLE OF CALPROTECTIN IN SCREENING- A SINGLE CENTER EXPERIENCE. Allison Lloyd-McLennan<sup>2</sup>, Nicole Kittler<sup>1,4</sup>, Sabina Ali<sup>5,3</sup>. <sup>1</sup>Dermatology, University of California San Francisco, San Francisco, CA, USA; <sup>2</sup>Pediatrics, University of California San Francisco Benioff Children's Hospital Oakland, Oakland, CA, USA; <sup>3</sup>Pediatric Gastroenterology, UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA; <sup>4</sup>Dermatology, University of California San Francisco Benioff Children's Hospital Oakland, Oakland, CA, USA; <sup>5</sup>Pediatrics, University of California San Francisco, San Francisco, CA, USA.
- 324 UNUSUAL CASE OF ISOLATED GASTRIC CROHN'S DISEASE. Eileen Lugo. Pediatrics Gastroenterology, LSU, New Orleans, LA, USA.
- 325 EFFECT OF A PRACTICE-WIDE ANTI-TNF PROACTIVE THERAPEUTIC DRUG MONITORING PROGRAM ON OUTCOMES IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE. John Lyles<sup>1</sup>, Aditi Mulgund<sup>1,2,3</sup>, Laura Bauman<sup>1</sup>, Weizhe Su<sup>4</sup>, Lin Fei<sup>7,8</sup>, Deepika Chona<sup>1,2</sup>, Puneet Sharma<sup>1,5</sup>, Renee Etter<sup>1</sup>, Jennifer Hellmann<sup>1,8</sup>, Lee Denson<sup>1,8</sup>, Phillip Minar<sup>1,8</sup>, Dana Dykes<sup>1,8,6</sup>, Michael Rosen<sup>1,8</sup>. <sup>1</sup>Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Internal Medicine, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>3</sup>Gastroenterology and Hepatology, Medical College of Wisconsin Associated Hospitals, Milwaukee, WI, USA; <sup>4</sup>Mathematical Sciences, Division of Statistics and Data Science, University of Cincinnati, Cincinnati, OH, USA; <sup>5</sup>Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA.
- ANEMIA PREVALENCE IN PEDIATRICS INFLAMMATORY BOWEL DISEASE: STILL PERSISTED AFTER 1 YEAR. Preeti Malik<sup>1</sup>, Mimi Kim<sup>2</sup>, Gia Puopolo<sup>1</sup>, John Thompson<sup>1</sup>, Gitit Tomer<sup>1</sup>. <sup>1</sup>Pediatrics, Division of Gastroenetrology, Hepatology and Nutrition, The Children's Hospital at Montefiore, Bronx, NY, USA; <sup>2</sup>Department of Epidemiology & Population Health, Albert Einstein College of Medicine, Bronx, NY, USA.
- 327 NOT JUST A GUT FEELING: ULCERATIVE COLITIS- RELATED AIRWAY DISEASE IN A PEDIATRIC PATIENT.

  Annette Medina<sup>1</sup>, Shailavi Jain<sup>3</sup>, Kristina Ciaglia<sup>2</sup>, Ashish Patel<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UT

  Southwestern Medical Center, Dallas, TX, USA; <sup>2</sup>Pediatrics, Children's Health Medical Center, Dallas, TX, USA; <sup>3</sup>UT Southwestern Medical Center, Dallas, TX, USA.

- ATYPICAL PRESENTATION OF MECKEL'S DIVERTICULUM MASQUERADING AS CROHN'S DISEASE: A CLINICAL PUZZLE. Lybil Mendoza Alvarez<sup>1</sup>, Dhanashree Rajderkar<sup>2</sup>, Genie Beasley<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Florida, Gainesville, FL, USA; <sup>2</sup>Radiology, University of Florida, Gainesville, FL, USA.
- 329 COMPREHENSIVE CARE FOR CHILDREN WITH INFLAMMATORY BOWEL DISEASES: WHOSE JOB IS IT ANYWAY? Hilary Michel<sup>1</sup>, Sandra Kim<sup>1</sup>, Nalyn Siripong<sup>3</sup>, Robert Noll<sup>2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Pediatrics, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA; <sup>3</sup>Clinical and Translational Science Institute, University of Pittsburgh, Pittsburgh, PA, USA.
- PATTERNS OF PRIMARY, URGENT, AND EMERGENT CARE IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASES. Hilary Michel<sup>1</sup>, Robert Noll<sup>3</sup>, Nalyn Siripong<sup>2</sup>, Sandra Kim<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Clinical and Translational Science Institute, University of Pittsburgh, PA, USA; <sup>3</sup>Pediatrics, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.
- USER CENTERED DIGITAL DEVELOPMENT OF A DECISION SUPPORT TOOL TO IMPROVE ANEMIA CARE IN PEDIATRIC INFLAMMATORY BOWEL DISEASE. Steven Miller<sup>1</sup>, Harold Lehmann<sup>1</sup>, Zachary Murphy<sup>1</sup>, Joshua Gray<sup>1</sup>, Ayse Gurses<sup>2</sup>, Andrew Maslen<sup>2</sup>, Maria Oliva-Hemker<sup>1</sup>. <sup>1</sup>Pediatrics, Johns Hopkins University School of Medicine, Baltimore, MD, USA; <sup>2</sup>Health Science Informatics, Johns Hopkins University School of Medicine, Baltimore, MD, USA.
- 332 INFLIXIMAB DASHBOARD POWERED BY PHARMACOKINETIC MODELING WITH BAYESIAN ESTIMATION SIMPLIFIES INTERPRETATION OF THERAPEUTIC DRUG MONITORING. Phillip Minar<sup>1</sup>, Ye Xiong<sup>1</sup>, Kelly Thomas<sup>2</sup>, Alexander Vinks<sup>1</sup>. <sup>1</sup>Pediatrics, Cincinnati Children's, Cincinnati, OH, USA; <sup>2</sup>University of Cincinnati, Cincinnati, OH, USA.
- 333 VENOUS THROMBOSIS IN HOSPITALIZED PEDIATRIC INFLAMMATORY BOWEL DISEASE PATIENTS. Elana Mitchel<sup>1</sup>, Sara Rosenbaum<sup>1</sup>, Leslie Raffini<sup>2</sup>, Robert Baldassano<sup>1</sup>, Michelle Denburg<sup>3</sup>, Lindsey Albenberg<sup>1</sup>.

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- DIAGNOSTIC ACCURACY OF SERUM PROTEINASE 3 ANTINEUTROPHIL CYTOPLASMIC ANTIBODIES FOR PEDIATRIC PATIENTS WITH ULCERATIVE COLITIS: A PROSPECTIVE MULTICENTER STUDY IN JAPAN. Tatsuki Mizuochi<sup>1</sup>, Katsuhiro Arai<sup>2</sup>, Takahiro Kudo<sup>3</sup>, Ryusuke Nambu<sup>4</sup>, Hitoshi Tajiri<sup>5</sup>, Tomoki Aomatsu<sup>6</sup>, Naoki Abe<sup>7</sup>, Toshihiko Kakiuchi<sup>8</sup>, Kunio Hashimoto<sup>9</sup>, Tsuyoshi Sogo<sup>10</sup>, Michiko Takahashi<sup>11</sup>, Yuri Etani<sup>12</sup>, Yugo Takaki<sup>1</sup>, Ken-ichiro Konishi<sup>1</sup>, Jun Ishihara<sup>1</sup>, Shunsuke Kurei<sup>13</sup>, Keiichi Mitsuyama<sup>14</sup>. <sup>1</sup>Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan; <sup>2</sup>National Center for Child Health and Development, Tokyo, Japan; <sup>3</sup>Juntendo University Faculty of Medicine, Tokyo, Japan; <sup>4</sup>Saitama Children's Medical Center, Saitama, Japan; <sup>5</sup>Osaka General Medical Center, Osaka, Japan; <sup>6</sup>Osaka Medical College, Osaka, Japan; <sup>7</sup>Aichi Children's Health and Medical Center, Ohfu, Japan; <sup>8</sup>Faculty of Medicine, Saga University, Saga, Japan; <sup>9</sup>Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan; <sup>10</sup>Saiseikai Yokohamashi Tobu Hospital, Yokohama, Japan; <sup>11</sup>Sapporo Kosei General Hospital, Sapporo, Japan; <sup>12</sup>Osaka Women's and Children's Hospital, Osaka, Japan; <sup>13</sup>Medical & Biological Laboratories Co., Ltd., Nagoya, Japan; <sup>14</sup>Kurume University School of Medicine, Kurume, Japan.

- COMORBID DIAGNOSIS OF EOSINOPHILIC ESOPHAGITIS AND INFLAMMATORY BOWEL DISEASE IN CHILDREN. Hillary Moore<sup>1</sup>, Joshua Wechsler<sup>2,3</sup>, Sara Rosenbaum<sup>4</sup>, Robert Baldassano<sup>1,5</sup>, Jonathan Markowitz<sup>6,7</sup>, Amanda Muir<sup>1,5</sup>. <sup>1</sup>Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Gastroenterology, Hepatology & Nutrition, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>3</sup>Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>4</sup>Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>5</sup>Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA; <sup>6</sup>Gastroenterology and Nutrition, Greenville Hospital System Children's Hospital, Greenville, SC, USA; <sup>7</sup>University of South Carolina School of Medicine-Greenville, Greenville, SC, USA.
- 336 SOMASCAN AS A DISCOVERY PLATFORM TO IDENTIFY PREDICTIVE SERUM PROTEOMIC BIOMARKERS OF INFLIXIMAB RESPONSE IN PEDIATRIC PATIENTS WITH CROHN'S DISEASE. Tina Morhardt<sup>1</sup>, Simon Dillon<sup>2</sup>, Hasan Otu<sup>3</sup>, Gabor Veres<sup>4</sup>, Towia Libermann<sup>2</sup>, Harland Winter<sup>1</sup>. <sup>1</sup>Pediatrics, Division of Gastroenterology, Massachusetts General Hospital for Children, Brookline, MA, USA; <sup>2</sup>Beth Israel Deaconess Medical Center, Boston, MA, USA; <sup>3</sup>University of Nebraska, Lincoln, NE, USA; <sup>4</sup>University of Debrecen, Debrecen, Hungary.
- 337 PRESYMPTOMATIC WILSON'S DISEASE DIAGNOSED IN NEW CROHN'S DISEASE: COINCIDENCE OR NOT? Stephanie Saaybi<sup>2</sup>, Kathryn Rowell<sup>1</sup>, Mariastella Serrano<sup>1</sup>, Dahye Hong<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Georgetown University Hospital, Washington, DC, USA; <sup>2</sup>Pediatrics, Georgetown University Hospital, Washington, , USA.
- \*338 ELECTIVE SWITCH FROM INFLIXIMAB TO ADALIMUMAB IN CLINICALLY QUIESCENT PEDIATRIC CROHN'S DISEASE PATIENTS: A CASE SERIES. Deepthi Sankepalli<sup>1,2</sup>, Denise Young<sup>1,2</sup>, Atiye Aktay<sup>1,2</sup>, Ali Khalili<sup>1,2</sup>, Michael Finkler<sup>1</sup>, Thomas Sferra<sup>1,2</sup>, Jonathan Moses<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology & Nutrition, UH Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Pediatrics, Case Western Reserve University School of Medicine, Cleveland, OH, USA.
- 339 STRICTURING LYMPHOCYTIC ESOPHAGITIS: A RARE PRESENTATION OF CROHN'S DISEASE OR SOMETHING ELSE? Michael Schmalz, Kadakkal Radhakrishnan. Pediatric Gastroenterology, Clevaland Clinic Children's, Cleveland, OH, USA.
- 340 A CASE OF CHRONIC RECURRENT MULTIFOCAL OSTEOMYELITIS ASSOCIATED WITH VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE. Melanie Suaris, Stephania Lairet, Alisa Muniz Crim, lina felipez. Pediatric Gastroenterology, Nicklaus Children's Hospital, Miami, FL, USA.
- 341 SEVERE COMPLICATIONS OF CROHN DISEASE TREATED SOLELY WITH THE SPECIFIC CARBOHYDRATE DIET.
  Asha Sukumaran Nair, Warren Bishop. Pediatric Gastroenterology, University of Iowa, Iowa City, IA, USA.
- 342 PERIANAL ABSCESS AS PRESENTATION OF GRANULOMATOUS COLITIS IN A 13 YEAR OLD MALE WITH HERMANSKY PUDLAK. Gabriel Vidal, Maria Jimenez. Pediatrics, University of Puerto Rico Pediatric University Hospital, Ponce, Puerto Rico, USA.
- ROLE OF SURGERY IN THE MANAGEMENT OF NEW ONSET SEVERE CROHN'S DISEASE: A CASE SERIES.

  Allison Waller<sup>1</sup>, Sheikh Rahman<sup>2</sup>, Sona Sehgal<sup>2</sup>. <sup>1</sup>Pediatric Residency, Children's National Medical Center,

Washington, DC, USA; <sup>2</sup>Gastroenterology, Hepatology, and Nutrition, Children's National Medical Center, Washington, DC, USA.

## LIVER

- EMPLOYING GENETIC APPROACHES FOR IDENTIFYING THE ETIOLOGY OF PREVIOUSLY UNDIAGNOSED FAMILIES WITH RARE PEDIATRIC GASTROINTESTINAL DISORDERS. Eyad Altamimi<sup>1,2</sup>, Omar Rabab h³, Lina Mustafa⁴, Zain Dardas⁵, lama Srour⁴, Belal Azab⁵. ¹Pediatric, Jordan University of Science and Technology, Irbid, Jordan; ²Pediatric, King Abdullah University Hospital, Irbid, Jordan; ³Jordanian Medical services, Irbid, Jordan; ⁴The University of Jordan, Amman, Jordan; ⁵Pathology, Microbiology and Forensic Medicine, The University of Jordan, Amman, Jordan.
- A CASE OF ALAGILLE SYNDROME PRESENTING AS BILIARY ATRESIA. Emily Dietle<sup>1</sup>, Emille Reyes-Santiago<sup>1</sup>, Warapan Nakayuenyongsuk<sup>1</sup>, Stanley Radio<sup>2</sup>, Jiri Bedrnicek<sup>3</sup>, Wendy Grant<sup>4</sup>, Alan Langnas<sup>4</sup>, Ruben Quiros-Tejeira<sup>1</sup>, Hanh Vo<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, University of Nebraska Medical Center, Omaha, NE, USA; <sup>2</sup>Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE, USA; <sup>4</sup>Surgery, Organ Transplantation, University of Nebraska Medical Center, Omaha, NE, USA.
- ANTERIOR UVEITIS AND HEPATITIS- LOOK FOR ZEBRAS. Aayush Gabrani<sup>1</sup>, Tanya Masand<sup>1</sup>, Mercedes Martinez<sup>2</sup>, Iona Monteiro<sup>1</sup>. <sup>1</sup>Pediatrics, Rutgers New Jersey Medical School, Newark, NJ, USA; <sup>2</sup>Pediatrics, Columbia University of Physicians and Surgeons, New York City, NY, USA.
- 347 THE LONELY NODULE: CHARACTERIZING AND DIAGNOSING FIBROLAMELLAR CARCINOMA. Rahul Gentyala<sup>2</sup>, Mary Boruta<sup>1</sup>, Alisha Mavis<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Duke University, Durham, NC, USA; <sup>2</sup>Pediatrics, Duke University, Durham, NC, USA.
- \*348 RAPID PROGRESSION OF PARENTERAL NUTRITION (PN)-ASSOCIATED LIVER DISEASE (PNALD) ON LIVER BIOPSIES OF 3 PEDIATRIC PATIENTS WITH SHORT-GUT SYNDROME. Alice Huang<sup>1</sup>, Jordan Sims<sup>2</sup>, John Kerner<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Stanford Lucile Packard Children's Hospital, Palo Alto, CA, USA; <sup>2</sup>Pathology, Stanford Lucile Packard Children's Hospital, Palo Alto, CA, USA.
- \*349 SUSTAINED VIROLOGIC REMISSION IN AN 8-MONTH-OLD PEDIATRIC PATIENT WITH CARBAMOYL PHOSPHATE SYNTHETASE I DEFICIENCY AND HEPATITIS C INFECTION USING DIRECT ACTING ANTIVIRALS PRIOR TO LIVER TRANSPLANT. Alice Huang<sup>1</sup>, Angela Beadles<sup>1</sup>, Paul Kwo<sup>2</sup>, William Berquist<sup>1</sup>, Rachel Bensen<sup>1</sup>, Rebecca Berquist Mckenzie<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Stanford Lucile Packard Children's Hospital, Palo Alto, CA, USA; <sup>2</sup>Department of Adult Hepatology, Stanford Hospital, Palo Alto, CA, USA.
- \*350 EXTRACELLULAR VESICLES BEARING INTEGRIN B1 MEDIATE MONOCYTE ADHESION AND PROMOTE LIVER INFLAMMATION IN MURINE NASH. Furuta Kunimaro, Qianqian Guo, Luz Gutierrez Sanchez, Samar Ibrahim. Pediatrics, Mayo Clinic, Rochester, MN, USA.
- 351 AN 8 YEAR OLD MALE WITH JAUNDICE AND HIGH GRADE FEVERS. AN ATYPICAL CASE OF KAWASAKI DISEASE. Aamer Imdad, Sarah Au. Pediatrics, SUNY Upstate Medical University, Syracuse, NY, USA.

- CASE REPORT: MYO5B MUTATION CAUSES PFIC-LIKE CHOLESTASIS, INTERMITTENT DIARRHEA AND VOMITING IN A POST-LIVER TRANSPLANT PATIENT WITHOUT MICROVILLUS INCLUSION DISEASE.

  Chaowapong Jarasvaraparn<sup>1</sup>, Kim Liss<sup>1</sup>, Mai He<sup>2</sup>, Sakil Kulkarni<sup>1</sup>, Janis Stoll<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Washington University School of Medicine, St. Louis, MO, USA; <sup>2</sup>Pediatric Pathology, Washington University School of Medicine, St. Louis, MO, USA.
- 353 LIVER TRANSPLANT AS A TREATMENT MODALITY FOR INFLAMMATORY MYOFIBROBLASTIC TUMOR.

  Aniruddh Setya<sup>1</sup>, Jaswinder Kaur<sup>2</sup>, Nishant Wadhwa<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Florida,
  Gainesville, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Sir Ganga Ram Hospital, New Delhi, New Delhi, India.
- CIRRHOSIS DUE TO NON-ALCOHOLIC FATTY LIVER DISEASE IN A YOUNG CHILD: A CASE REPORT AND REVIEW OF THE LITERATURE HIGHLIGHTING THE IMPORTANCE OF EARLY SCREENING. Hamza Khan<sup>1</sup>, Sanjay Kumar<sup>1,2</sup>, Christine Klingert<sup>1,2</sup>, Hernando Lyons<sup>1,2</sup>. <sup>1</sup>Pediatrics, Ascension St. John Children's Hospital, Detroit, MI, USA; <sup>2</sup>Pediatrics, Wayne State University School of Medicine, Detroit, MI, USA.
- 355 GLYCOGEN STORAGE DISEASE TYPE IX DUE TO A NOVEL MUTATION IN PHKA2 GENE. Hamza Khan<sup>1</sup>, Hernando Lyons<sup>1,3</sup>, Saleem Raza<sup>1,2</sup>, Sanjay Kumar<sup>1,3</sup>. <sup>1</sup>Pediatrics, Ascension St. John Children's Hospital, Detroit, MI, USA; <sup>2</sup>Pediatrics, Wayne State University, School of Medicine, Detroit, MI, USA; <sup>3</sup>Pediatric Gastroenterology, Wayne State University, School of Medicine, Detroit, MI, USA.
- 356 COMPROMISE OF THE RED BLOOD CELL (RBC) MEMBRANE IS COMMON IN CHOLESTATIC PEDIATRIC PATIENTS. Theodore Kocoshis, Theodosia Kalfa, Alexander Miethke, William Balistreri, Crystal Slaughter, Ruchi Singh, Samuel Kocoshis. Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- YOUNG MICE DEVELOP ENHANCED IRE1α/XBP1 AND PERK PATHWAY ACTIVATION OF THE UNFOLDED PROTEIN RESPONSE (UPR) AND HIGHER SERUM ALT LEVELS IN RESPONSE TO CHOLIC ACID FEEDING. Alyssa Kriegermeier¹, Angela Hyon¹, Susan Hubchak², Brian LeCuyer², Xiaoying Liu², Richard Green².
   ¹Pediatric GI/Hepatology, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA;
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- 358 VEDOLIZUMAB THERAPY FOR CHILDREN WITH PRIMARY SCLEROSING CHOLANGITIS: DATA FROM THE PEDIATRIC PSC CONSORTIUM. Trevor Laborda<sup>1</sup>, Amanda Ricciuto<sup>2</sup>, Madeleine Aumar<sup>4</sup>, Nicholas Carman<sup>13</sup>, Matthew DiGuglielmo<sup>17</sup>, Laura Draijer<sup>9</sup>, Katryn Furuya<sup>10</sup>, Nitika Gupta<sup>11</sup>, Bart Koot<sup>9</sup>, Kathleen Loomes<sup>3</sup>, Ellina Lytvyak<sup>7</sup>, Mercedes Martinez<sup>19</sup>, Tamir Miloh<sup>14</sup>, Aldo Montano-Loza<sup>7</sup>, Emily Perito<sup>8</sup>, Pushpa Sathya<sup>6</sup>, Uzma Shah<sup>12</sup>, Eyal Shteyer<sup>5</sup>, Ruchi Singh<sup>20</sup>, Amy Taylor<sup>20</sup>, Pamela Valentino<sup>16</sup>, Bernadette Vitola<sup>18</sup>, Melissa Zerofsky<sup>8</sup>, Andreanne Zizzo<sup>15</sup>, Mark Deneau<sup>1</sup>. <sup>1</sup>University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA; <sup>2</sup>The Hospital for Sick Children, Toronto, ON, Canada; <sup>3</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>CHU Lille, University of Lille, Lille, France; <sup>5</sup>Shaare Zedek Medical Center, Wilf Children's Hospital, Jerusalem, Israel; <sup>6</sup>Memorial University of Newfoundland, St. John's, , Canada; <sup>7</sup>University of Alberta, Edmonton, AB, Canada; <sup>8</sup>UCSF Benioff Children's Hospital, San Francisco, CA, USA; <sup>9</sup>Academisch Medisch Centrum Universiteit van Amsterdam, Amsterdam, Netherlands; <sup>10</sup>Mayo Clinic, Rochester, MN, USA; 11 Emory University, Atlanta, GA, USA; 12 Massachusetts General Hospital for Children, Boston, MA, USA; <sup>13</sup>University of Ottawa, Ottawa, ON, Canada; <sup>14</sup>Texas Children's Hospital, Houston, TX, USA; 15London Health Sciences Center Children's Hospital, London, ON, Canada; 16Yale-New Haven Children's Hospital, New Haven, CT, USA; <sup>17</sup>Nemours/Alfred I. duPont Hopsital for Children, Wilmington, DE, USA; <sup>18</sup>Medical College of Wisconsin, Children's Hospital of Wisconsin, Milwaukee, WI,

- USA; <sup>19</sup>CUMC/New York-Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA; <sup>20</sup>Cincinnati Children's Hospital, Cincinnati, OH, USA.
- ACUTE ENCEPHALOPATHY INA PEDIATRIC PATIENT WITH PARASITOSIS. Brigitte Moreau<sup>1</sup>, Corinne Laliberté<sup>2</sup>. <sup>1</sup>pediatric Gastroenterology, Sherbrooke University, Sherbrooke, QC, Canada; <sup>2</sup>sherbrooke University, Sherbrooke, QC, Canada.
- LACTOBACILLUS RHAMNOSUS GG PLUS BIFIDOBACTERIUM LACTIS BB12 AND LACTOBACILLUS REUTERI MODULATE GUT DYSBIOSIS AND IMPROVE FATTY LIVER IN HIGH-FAT DIET INDUCED OBESE MICE. Yu-Cheng Lin<sup>1</sup>, Hsueh-Fang Lin<sup>1</sup>, Yen-Hsuan Ni<sup>2</sup>. <sup>1</sup>Pediatrics, Far Eastern Memorial Hospital, New Taipei City, Taiwan; <sup>2</sup>Pediatrics, National Taiwan University Hospital, Taipei, Taiwan.
- \*361 *MEDNIK SYNDROME: A NOVEL DEFECT OF COPPER OVERLOAD IN THE LIVER.* Kathleen Lo, Vivien Nguyen, Prita Mohanty. Pediatric Gastroenterology, UCSF Benioff Children's Hospital, Oakland, CA, USA.
- THE USE OF A BILE ACID BIOMARKER IN DIAGNOSIS OF NEONATAL-ONSET NIEMANN-PICK DISEASE TYPE

  C. Kathleen Lo¹, Sue Rhee², Sabina Ali¹. ¹Pediatrics, UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA; ²Pediatrics, University of California San Francisco, San Francisco, CA, USA.
- 363 PERFORATED APPENDICITIS MASQUERADING AS ACUTE CHOLESTATIC HEPATITIS. Chetan Mandelia,
  Deborah Goldman. Pediatric Gastroenterology & Hepatology, Cleveland Clinic Children's, Beachwood, OH,
  USA.
- NOT RUN OF THE MILL: NEONATAL CMV HEPATITIS AND CHOLESTASIS. Melissa Martin<sup>1</sup>, Monique Barakat<sup>2</sup>. <sup>1</sup>Pediatric GI, Stanford, Palo Alto, CA, USA; <sup>2</sup>Division of Gastroenterology and Hepatology, Stanford, Stanford, CA, USA.
- RACIAL/ETHNIC DISPARITIES AND INCREASING TREND IN INPATIENT PEDIATRIC LIVER DISEASE BURDEN: A STATE-WIDE POPULATION BASED STUDY IN CALIFORNIA. Melissa Martin<sup>1</sup>, Biyao Zou<sup>2</sup>, Donghak Jeong<sup>2</sup>, Joseph Hoang<sup>2</sup>, Mindie Nguyen<sup>2</sup>. <sup>1</sup>Pediatric GI, Stanford, Palo Alto, CA, USA; <sup>2</sup>Gastroenterology, Hepatology, and Nutrition, Stanford, Stanford, CA, USA.
- 366 EVALUATION OF RISK FACTORS FOR HEPATIC ARTERY THROMBOSIS POST PEDIATRIC LIVER TRANSPLANTATION. Jordan McDonald¹, Tamir Miloh¹, Kathleen Thompson¹, Kathleen Hosek², John Goss²,¹. ¹Baylor College of Medicine, Houston, TX, USA; ²Texas Children's Hospital, Houston, TX, USA.
- \*367 THE GREAT MIMICKER: LYSOSOMAL ACID LIPASE DEFICIENCY DISGUISED AS HLH: A CASE SERIES. Shaunte McKay<sup>4</sup>, Rachel Graci<sup>5</sup>, Michelle Neier<sup>2</sup>, Helio Pedro<sup>3</sup>, Mary Boruta<sup>1</sup>, Alisha Mavis<sup>1</sup>. ¹Pediatric Gastroenterology, Hepatology, and Nutrition, Duke University, Durham, NC, USA; ²Pediatric Hematology, Atlantic Health, Morristown, NJ, USA; ³Genetics, Hackensack Medical Center, Hackensack, NJ, USA; ⁴Pediatrics, Duke University, Durham, NC, USA; ⁵Pediatrics, Atlantic Health, Morristown, NJ, USA.
- 368 ANTICOAGULATION AND RECANALIZATION OF LONG SEGMENT VENAL CAVAL OCCLUSION PREVENTS

  NEED FOR LIVER TRANSPLANT IN TWO-YEAR-OLD WITH IDIOPATHIC BUDD-CHIARI. Joseph Miller<sup>1</sup>, Chadi
  Zeinati<sup>1</sup>, Julie Jaffray<sup>3</sup>, Rohit Kohli<sup>2</sup>. <sup>1</sup>Radiology, Children's Hospital Los Angeles, Los Angeles, CA, USA;

<sup>2</sup>Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>3</sup>Hematology, Children's Hospital Los Angeles, Los Angeles, CA, USA.

- 369 HEMOBILIA DUE TO CYSTIC ARTERY PSEUDOANEURYSM: A RARE CAUSE OF HEMATEMESIS AND CONJUGATED CHOLESTASIS. Nathan Minkoff, Gracielle Bahia, Nishaben Patel. Pediatric Gastroenterology, University of Rochester, Rochester, NY, USA.
- 370 QUALITY OF LIFE AMONG PEDIATRIC LIVER VERSUS BOWEL TRANSPLANT PATIENTS. Sera Na<sup>1</sup>, Abhilasha Banerjee<sup>1</sup>, Cal Matsumoto<sup>2</sup>, Stuart Kaufman<sup>3</sup>, Nada Yazigi<sup>3</sup>, Khalid Khan<sup>3</sup>. <sup>1</sup>Pediatrics, Medstar Georgetown University Hospital, Washington, , USA; <sup>2</sup>Transplant Surgery, Medstar Georgetown University Hospital, Washington, DC, USA; <sup>3</sup>Pediatric Gastroenterology, Medstar Georgetown University Hospital, Washington, DC, USA.
- 371 SUCCESSFUL LONG-TERM OUTCOME AFTER COMBINED HEMATOPOIETIC STEM CELL TRANSPLANTATION AND SMALL BOWEL TRANSPLANTATION: A CASE REPORT. Sera Na<sup>1</sup>, Corina Gonzalez<sup>2</sup>, Cal Matsumoto<sup>3</sup>, Stuart Kaufman<sup>4</sup>, Nada Yazigi<sup>4</sup>, Khalid Khan<sup>4</sup>. <sup>1</sup>Pediatrics, Medstar Georgetown University Hospital, Washington, DC, USA; <sup>2</sup>Pediatric Hematology Oncology, Medstar Georgetown University Hospital, Washington, DC, USA; <sup>4</sup>Pediatric Gastroenterology, Medstar Georgetown University Hospital, Washington, DC, USA.
- APPLICATION OF MODIFIED INTERNATIONAL AUTOIMMUNE HEPATITIS GROUP (IAIHG) SCORING IN CHILDREN WITH AUTOIMMUNE HEPATITIS. Gayathri Naraparaju<sup>1</sup>, Yelena Korotkaya<sup>1</sup>, Paul Wasuwanich<sup>2</sup>, Ann Scheimann<sup>1</sup>, Christine Karwowski<sup>1</sup>, Wikrom Karnsakul<sup>1</sup>. ¹Pediatric Gastroenterology, Hepatology and Nutrition, Johns Hopkins, Baltimore, MD, USA; ²School of Medicine, Johns Hopkins, Baltimore, MD, USA.
- PROTECT (PERFUSION REGULATED ORGAN THERAPEUTICS WITH ENHANCED CONTROLLED TESTING):
  NOVEL HUMAL MODEL TO MITIGATE ISCHEMIA-REPERFUSION INJURY. Mustafa Nazzal<sup>1</sup>, Erik Madsen<sup>1</sup>, Minh-Tri Nguyen<sup>2</sup>, Amber Price<sup>1</sup>, Chandrashekhara Manithody<sup>1</sup>, Adam Welu<sup>1</sup>, Salim Munoz<sup>2</sup>, Himani Madnawat<sup>1</sup>, Christine Denton<sup>1</sup>, Miguel Guzman<sup>3</sup>, Douglas Blackall<sup>3</sup>, Jeffrey Teckman<sup>1</sup>, Chintalapati Varma<sup>2</sup>, Ajay Jain<sup>1</sup>. <sup>1</sup>Pediatrics, Saint Louis University, Saint Louis, MO, USA; <sup>2</sup>Surgery, Saint Louis University, Saint Louis, MO, USA.
- 374 *INFLUENZA B INFECTION COMPLICATED BY CHOLESTATIC HEPATITIS.* Genesis Nieves<sup>2</sup>, Adam Bernardi<sup>2</sup>, Kim-Doan Katrina Nguyen<sup>1</sup>. <sup>1</sup>Pediatrics, Division of Pediatric Gastroenterology, University of Illinois College of Medicine, Rockford, IL, USA; <sup>2</sup>MS3, University of Illinois College of Medicine, Rockford, IL, USA.
- 375 SOCIOECONOMIC BARRIERS FACING YOUTH WITH NON-ALCOHOLIC FATTY LIVER DISEASE. Sarah Orkin<sup>1</sup>, Julie Anderson<sup>1</sup>, Emily Vincent<sup>1</sup>, Sanita Ley<sup>2,5</sup>, Ana Catalina Arce-Clachar<sup>1,5</sup>, Kristin Bramlage<sup>1</sup>, Stavra Xanthakos<sup>1,5</sup>, Andrew Beck<sup>3,4,5</sup>, Marialena Mouzaki<sup>1,5</sup>. ¹Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ²Division of Behavioral Medicine and Clinical Psychology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ³Division of General and Community Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>4</sup>Division of Hospital Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>Department of Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA.

- 376 THE JAUNDICED INFANT: AN UNUSUAL CASE OF NIEMANN PICK TYPE C1 DIAGNOSED AT 8 WEEKS OF LIFE. Stephanie Padron, Giselle Deiros, Ruben Gonzalez-Vallina. Pediatrics, Nicklaus Children's Hospital, Miramar, FL, USA.
- \*377 A SINGLE-CENTER EXPERIENCE WITH PEDIATRIC BUDD-CHIARI SYNDROME. Angela Metcalf<sup>2</sup>, Shadi Saleem<sup>3</sup>, Zhongxin Yu<sup>1</sup>, Adnan Altaf<sup>1</sup>, Sirish Kumar Palle<sup>1</sup>. <sup>1</sup>Pediatrics, Oklahoma University Health Sciences Center, Oklahoma city, OK, USA; <sup>2</sup>College of Medicine, Oklahoma City, OK, USA; <sup>3</sup>Oklahoma University Health Sciences Center, Oklahoma city, OK, USA.
- A DIP IN THE INKWELL: COMBINATION THERAPY FOR ACUTE LIVER FAILURE IN THE SETTING OF HEPATITIS B INFECTION. Sagar Pathak<sup>2</sup>, Ruben Colman<sup>1</sup>, Kathleen Campbell<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Department of Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- PREDICTORS OF SEVERE LIVER STIFFNESS AND SIGNIFICANT STEATOSIS IN PATIENTS WITH NON-ALCOHOLIC FATTY LIVER DISEASE. Stephanie Schuckalo<sup>1</sup>, Stephanie Chiu<sup>2</sup>, Nadia Ovchinsky<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology & Nutrition, Atlantic Health System, Morristown, NJ, USA; <sup>2</sup>Atlantic Center for Research, Atlantic Health System, Morristown, NJ, USA.
- CONGENITAL HEPATIC FIBROSIS, 20 YEAR EXPERIENCE IN A REFERRAL PEDIATRIC CENTER IN MEXICO.
  Pablo Sempértegui, Flora Zarate Mondragon, Jaime Ramirez Mayans, Erick Toro Monjaraz, Roberto Cervantes Bustamante, Jose Cadena Leon, Karen Ignorosa Arellano. Gastroenterology and Pediatric Nutrition, Instituto Nacional de Pediatria, Ciudad de Mexico, Mexico.
- 381 PEDIATRIC PREVALENCE OF HEPATITIS C VIRUS IN 15 COUNTRIES. Jonathan Schmelzer<sup>1</sup>, Ellen Dugan<sup>1</sup>, Sarah Blach<sup>1</sup>, Ivane Gamkrelidze<sup>2</sup>, Sarah Robbins<sup>1</sup>, Homie Razavi<sup>1</sup>. <sup>1</sup>Epidemiology, Center for Disease Analysis, Lafayette, CO, USA; <sup>2</sup>Modeling, Center for Disease Analysis, Lafayette, CO, USA.

# **NUTRITION AND OBESITY**

- HIGH FODMAP MEALS AND ABDOMINAL PAIN IN SCHOOL CHILDREN. Cara Axelrod², Román Bigliardi¹, Luz Vieyra⁴, Cecilia Zubiri³, María Blanco⁵, María Jaure⁶, Miguel Saps². ¹Pediatric Gastroenterology, Hospital Nacional Posadas Argentina, Buenos Aires, Argentina; ²Pediatric Gastroenterology, University of Miami, Miami, FL, USA; ³Pediatric Gastroenterology, Hospital de Niños Sor Maria Ludovica, La Plata, Argentina; ⁴Licenciada Nutricionista empresa Cooks., Buenos Aires, Argentina; ⁵St Georges Collage, Quilmes, Argentina; ⁶Instituye Arco Iris, La Plata, Argentina.
- IMPACT OF COMMERCIAL BLENDED DIETS ON PARENTAL QUALITY OF LIFE AND FAMILY FUNCTIONING. Irini Batsis<sup>1</sup>, Lindsay Borden<sup>3</sup>, Laura Prichett<sup>2</sup>, Wu Linxuan<sup>2</sup>, Laura Davis<sup>4</sup>, Darla Shores<sup>1</sup>, Maria Oliva-Hemker<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>BEADcore, Johns Hopkins, Baltimore, MD, USA; <sup>3</sup>Behavioral Psychology, Johns Hopkins Children's Center, Baltimore, MD, USA; <sup>4</sup>Nutrition, Johns Hopkins Children's Center, Baltimore, MD, USA.
- 384 BIOELECTRICAL IMPEDANCE AND SLAUGHTER EQUATION TO EVALUATE THE PERCENTAGE OF BODY FAT IN PEDIATRIC PATIENTS WITH CYSTIC FIBROSIS. Karen Buendía Juárez, Rocío Macías, Sergio Pacheco Sotelo. Pediatric Gastroenterology, Hospital de Pediatría CMN Occidente, IMSS, Guadalajara, Jalisco, Mexico.

- LONG-TERM RETROSPECTIVE FOLLOW-UP OF PEDIATRIC PATIENTS WITH SHORT BOWEL SYNDROME—ASSOCIATED INTESTINAL FAILURE (SBS–IF) WHO COMPLETED 12 WEEKS OF TREATMENT IN TED-C13-003 (SHP633-303). Beth Carter¹, Susan Hill², Simon Horslen³, Samuel Kocoshis⁵, MinJung Yoon⁶, Andrew Grimm⁶. ¹Children's Hospital Los Angeles, Los Angeles, CA, USA; ²Great Ormond Street Hospital for Children NHS Foundation Trust, London, United Kingdom; ³Seattle Children's Hospital, Seattle, WA, USA; ⁴University of Washington School of Medicine, Seattle, WA, USA; ⁵Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ⁶Shire Human Genetic Therapies, Inc., Lexington, MA, USA.
- \*386 SAFETY FINDINGS IN CHILDREN TREATED WITH TEDUGLUTIDE FOR SHORT BOWEL SYNDROME— ASSOCIATED INTESTINAL FAILURE: POOLED ANALYSIS OF 4 CLINICAL STUDIES. Beth Carter1, Valeria Cohran<sup>2</sup>, Susan Hill<sup>3</sup>, Simon Horslen<sup>4,5</sup>, Stuart Kaufman<sup>6</sup>, Samuel Kocoshis<sup>7</sup>, David Mercer<sup>8</sup>, Russell Merritt<sup>1</sup>, Mikko Pakarinen<sup>9,10</sup>, Susan Protheroe<sup>11</sup>, Sharon Smith<sup>12</sup>, John Thompson<sup>13</sup>, Charles Vanderpool<sup>14</sup>, Robert Venick<sup>15</sup>, Paul Wales<sup>16</sup>, MinJung Yoon<sup>12</sup>, Andrew Grimm<sup>12</sup>. <sup>1</sup>Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>2</sup>Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>3</sup>Great Ormond Street Hospital for Children NHS Foundation Trust, London, United Kingdom; <sup>4</sup>Seattle Children's Hospital, Seattle, WA, USA; <sup>5</sup>University of Washington School of Medicine, Seattle, WA, USA; <sup>6</sup>MedStar Georgetown University Hospital, Washington, , USA; <sup>7</sup>Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>University of Nebraska Medical Center, Omaha, NE, USA; <sup>9</sup>Children's Hospital, Helsinki, Finland; <sup>10</sup>Helsinki University Central Hospital, Helsinki, Finland; <sup>11</sup>Birmingham Children's Hospital NHS Foundation Trust, Birmingham, United Kingdom; <sup>12</sup>Shire Human Genetic Therapies, Inc, a member of the Takeda group of companies, Lexington, MA, USA; <sup>13</sup>Children's Hospital at Montefiore, Bronx, NY, USA; <sup>14</sup>Riley Hospital for Children at Indiana Health, Indianapolis, IN, USA; <sup>15</sup>Mattel Children's Hospital UCLA, Los Angeles, CA, USA; <sup>16</sup>The Hospital for Sick Children, Toronto, ON, Canada.
- PREDICTING THE RISK OF SEVERE VITAMIN D DEFICIENCY USING COMMON CLINICAL AND LABORATORY PARAMETERS: A NEW SCORE PROPOSAL. Kenny Castro-Ochoa<sup>1</sup>, Jose Rojas-Camayo<sup>1</sup>, Maria Fermin<sup>1</sup>, Upma Suneja<sup>1</sup>, Swati Dave-Sharma<sup>1</sup>, Sivan Kinberg<sup>2</sup>. <sup>1</sup>Pediatrics, Lincoln Medical Center, Bronx, NY, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Columbia University Irving Medical Center, New York, NY, USA.
- CLINICAL USE AND SAFETY OF AN AMINO ACID-BASED INFANT FORMULA IN A REAL WORLD SETTING.
  Pamela Cekola<sup>1</sup>, Aimee Henrikson<sup>1</sup>, Heidi Reichert<sup>2</sup>, Sarah Cohen<sup>2</sup>, Maureen Huhmann<sup>3</sup>, Krysmaru Araujo Torres<sup>1</sup>. <sup>1</sup>Medical Affairs, Nestle Health Science, Bridgewater, NJ, USA; <sup>2</sup>EpidStrategies A Division of ToxStrategies, Cary, NC, USA; <sup>3</sup>Research and Development, Nestle Health Science, Bridgewater, NJ, USA.
- 389 FRUCTAN SENSITIVE CHILDREN WITH IRRITABLE BOWEL SYNDROME HAVE DISTINCT GUT MICROBIOME SIGNATURES. Bruno Chumpitazi<sup>1</sup>, Kristi Hoffman<sup>2</sup>, Ann McMeans<sup>1</sup>, Joseph Petrosino<sup>2</sup>, James Versalovic<sup>3</sup>, Robert Shulman<sup>1</sup>. <sup>1</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Alkek Center for Metagenomics and Microbiome Research, Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Pathology, Baylor College of Medicine, Houston, TX, USA.
- 390 WEIGHT GAIN AND TOLERANCE IN PEDIATRIC PATIENTS USING PLANT-BASED ENTERAL FORMULAS.

  Stanley Cohen<sup>1</sup>, Ana Ramirez<sup>1</sup>, Bailey Koch<sup>1</sup>, Benjamin Gold<sup>1</sup>, Vanessa Millovich<sup>2</sup>. <sup>1</sup>Children's Center for Digestive Health Care, Atlanta, GA, USA; <sup>2</sup>Clinical Nutrition, Kate Farms, Inc, Santa Barbara, CA, USA.

- 391 PILOT STUDY OF EOSINOPHILIC BIOMARKER MEASURED IN RECTAL SWABS IN THE DIAGNOSIS OF ALLERGIC PROCTOCOLITIS. Justin de Boer, Patricia Subnaik, Samit Patel, Puanani Hopson, Nishant Patel, Karoly Horvath, Devendra Mehta, Yamen Smadi. Pediatric Gastroenterology, University of Florida/Arnold Palmer Hospital, Oakland, FL, USA.
- 392 ENTERAL ANTIBIOTICS DRIVE CLONAL EXPANSION OF GUT INFLAMMATORY MICORBIOTA AND SIGNIFICANT HEPATIC CHOLESTASIS IN ANIMALS ON TOTAL PARENTERAL NUTRITION. Christine Denton<sup>4</sup>, Amber Price<sup>4</sup>, Chandrashekhara Manithody<sup>4</sup>, Hector Osei<sup>2</sup>, Sutthatarn Pattamon<sup>2</sup>, Salim Munoz<sup>2</sup>, Kyler Douglas<sup>4</sup>, Yogi Patel<sup>4</sup>, Pranjali Rajalakshmi<sup>4</sup>, Obeid Ilahi<sup>3</sup>, John Long<sup>5</sup>, Ajay Jain<sup>1</sup>. ¹Pediatric Gastroenterology, Saint Louis University, Valley Park, MO, USA; ²Pediatric Surgery, Saint Louis University, Saint Louis, MO, USA; ³Surgery, Washington University, Saint Louis, MO, USA; ⁴Pediatrics, Saint Louis University, Saint Louis, MO, USA; <sup>5</sup>Comparative Medicine, Saint Louis University, Saint Louis, MO, USA.
- 393 *REFEEDING SYNDROME IS RARE IN INFANTS ADMITTED WITH MALNUTRITION.* Michelle Dunn, Jennifer Panganiban, Nina Sainath. Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 394 INFLUENCE OF EXERCISE ON BODY COMPOSITION AND PATIENT OUTCOMES IN A PEDIATRIC MULTIDISCIPLINARY OBESITY CLINIC: DESCRIPTION OF EARLY OUTCOMES. Rebecca Espinosa<sup>1</sup>, Melissa Jalii<sup>5</sup>, Lisa Farkas<sup>2</sup>, Ryan Cranshaw<sup>3</sup>, Cara Boyarin<sup>3</sup>, Debora Duro<sup>4</sup>. <sup>1</sup>Graduate Medical Education, Broward Health Medical Center, Fort Lauderdale, FL, USA; <sup>3</sup>Wellness and Cardiopulmonary Rehabilitation, Broward Health Medical Center, Fort Lauderdale, FL, USA; <sup>4</sup>Program Director Pediatric Gastroenterology and Nutrition and Medical Director of the Multidisciplinary Obesity Clinic at Salah Foundation Children's Hospital, Broward Health Medical Center, Fort Lauderdale, FL, USA; <sup>5</sup>Pediatric Gastroenterology, Broward Health Medical Center, Fort Lauderdale, FL, USA; <sup>5</sup>Pediatric Gastroenterology, Broward Health Medical Center, Fort Lauderdale, FL, USA.
- 395 THE ROLE OF REGULAR WEIGHT MONITORING IN CHILDHOOD OVERWEIGHT AND OBESITY. Avani Ganta, Aayush Gabrani, Susan Proum, Joseph Schwab, Iona Monteiro, Hanan Tanuos. Pediatrics, Rutgers New Jersey Medical School, Newark, NJ, USA.
- TIME TO REGAIN BIRTH WEIGHT AS A PREDICTOR OF POOR NEONATAL GROWTH. Calvin Gao<sup>2</sup>, Marium Khan<sup>1</sup>, Marieke Jones<sup>4</sup>, Jeremy Middleton<sup>1</sup>, Brooke Vergales<sup>3</sup>, Sana Syed<sup>1</sup>. <sup>1</sup>Department of Pediatrics, Division of Gastroenterology, Hepatology & Nutrition, University of Virginia, Charlottesville, VA, USA; <sup>2</sup>School of Medicine, University of Virginia, Charlottesville, VA, USA; <sup>3</sup>Department of Pediatrics, Division of Neonatology, University of Virginia, Charlottesville, VA, USA; <sup>4</sup>Health Sciences Library, University of Virginia, Charlottesville, VA, USA.
- A PROSPECTIVE, OPEN-LABEL, LONG-TERM SAFETY AND EFFICACY STUDY OF TEDUGLUTIDE IN PEDIATRIC PATIENTS WITH SHORT BOWEL SYNDROME—ASSOCIATED INTESTINAL FAILURE: 6-MONTH INTERIM ANALYSIS (SHP633-304). David Mercer¹, Beth Carter², Susan Hill³, Simon Horslen⁴, Stuart Kaufman⁶, Samuel Kocoshis⁻, Russell Merritt², Mikko Pakarinen®, Robert Venick¹o, MinJung Yoon¹¹, Andrew Grimm¹¹. ¹University of Nebraska Medical Center, Omaha, NE, USA; ²Children's Hospital Los Angeles, Los Angeles, CA, USA; ³Great Ormond Street Hospital for Children NHS Foundation Trust, London, United Kingdom; ⁴Seattle Children's Hospital, Seattle, WA, USA; ⁵University of Washington School of Medicine, Seattle, WA, USA; ⁶MedStar Georgetown University Hospital, Washington, , USA; ¬Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Children's Hospital, Helsinki, Finland; <sup>9</sup>Helsinki University Central Hospital, Helsinki, Finland; ¹oMattel Children's Hospital UCLA, Los Angeles, CA, USA; ¹¹Shire Human Genetic Therapies, Inc., a member of the Takeda group of companies, Lexington, MA, USA.

- 398 COW'S MILK ALLERGIC INFANTS ON ELEMENTAL FORMULA MAINTAIN ADEQUATE MINERAL STATUS DESPITE THE USE OF ACID-SUPPRESSIVE MEDICATION. Bryan Harvey<sup>1</sup>, Simone Eussen<sup>2</sup>, Ardy Helvoort<sup>2,3</sup>, Lucien Harthoorn<sup>2</sup>. <sup>1</sup>Children's Investigational Research Program, LLC (ChiRP), Bentonville, AR, USA; <sup>2</sup>Nutricia Advanced Medical Nutrition, Danone Nutricia Research, Utrecht, Netherlands; <sup>3</sup>NUTRIM School of Nutrition and Translational Research in Metabolism, Maastricht University, Maastricht, Netherlands.
- REAL-WORLD EVIDENCE INVESTIGATION OF CLINICAL CHARACTERISTICS AND TOLERANCE OUTCOMES OF ENTERAL PEPTIDE-BASED DIETS IN ADOLESCENT PATIENTS IN POST-ACUTE CARE IN THE UNITED STATES.

  Aimee Henrikson<sup>4</sup>, Chris LaVallee<sup>1</sup>, Prafulla Seelam<sup>2</sup>, Santosh Balakrishnan<sup>2</sup>, Cynthia Lowen<sup>4</sup>, Bill Kesting<sup>3</sup>, Krysmaru Araujo Torres<sup>4</sup>. <sup>1</sup>Health Outcomes Research, Decision Resources Group, Boston, MA, USA; <sup>2</sup>Analytics, Decision Resources Group, Boston, MA, USA; <sup>3</sup>Market Access, Nestle Health Science, Bridgewater, NJ, USA; <sup>4</sup>Medical Affairs, Nestle Health Science, Bridgewater, NJ, USA.
- 400 EVALUATION OF SMOFLIPID IN PEDIATRIC INTESTINAL FAILURE PATIENTS. Beatrice Ho<sup>1,2</sup>, Stacie Chan<sup>1,2</sup>, Anna Faino<sup>1</sup>, Melissa Mortensen<sup>1</sup>, Nila Williamson<sup>1</sup>, Patrick Javid<sup>1,2</sup>, Simon Horslen<sup>1,2</sup>, Danielle Wendel<sup>1,2</sup>.

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- 401 PARENT AND PHYSICIAN PERCEPTIONS REGARDING PLANT-BASED BEVERAGES. Daphna Katz<sup>1</sup>, Dianne Pagan<sup>2</sup>, Neha Mahajan<sup>1</sup>, Partha Chakraborty<sup>1</sup>, Cara Axelrod<sup>2</sup>, Amanda Fifi<sup>2,1</sup>. <sup>1</sup>Pediatrics, Jackson Memorial Hospital, Miami, FL, USA; <sup>2</sup>University of Miami, Miami, FL, USA.
- 402 PREVALENCE AND RISK FACTORS OF ANEMIA IN KOREAN CHILDREN AND ADLOSCENTS. Kwang Kim.

  Department of Pediatrics, Catholic University of Korea, Eunpyeong St. Mary's Hospital, Seoul, Korea (the Republic of).
- 403 MATERNAL ELIMINATION DIETS VERSUS HYPOALLERGENIC FORMULA ON OUTCOMES OF INFANTS WITH COW'S MILK PROTEIN ALLERGY. Julia Kleinhenz. Division of Gastroenterology, Children's Hospital of Michigan, Detroit, MI, USA.
- 404 THE USE OF TOPIRAMATE IN PEDIATRIC OBESITY AND NON-ALCOHOLIC FATTY LIVER DISEASE. Taisa Kohut, Elizabeth Prout, Jennifer Panganiban. Gastroenterology, Hepatology, & Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- BREASTFEEDING DURATION IN MOTHERS WHO HAVE A LACTATION ROOM IN THEIR WORKPLACE. Anel Ibarra-Ortega<sup>1</sup>, Edgar M Vasquez-Garibay<sup>1</sup>, Alfredo Larrosa<sup>1</sup>, Jorge Castro-Albarrán<sup>2</sup>, Barbara Vizmanos-Lamotte<sup>3</sup>. <sup>1</sup>Instituto de Nutrición Humana, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico; <sup>2</sup>Ciencias de la Salud y Ecología Humana, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico; <sup>3</sup>Coordinación de Investigacion, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico.
- DEVELOPMENT OF AN EATING DISORDER FOLLOWING BARIATRIC SURGERY IN AN ADOLESCENT. Erin Elbel<sup>2</sup>, Brian Carmine<sup>3,4</sup>, Camilla Richmond<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Pediatrics, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Surgery, Boston Children's Hospital, Boston, MA, USA; <sup>4</sup>Bariatric Surgery, Boston Medical Center, Boston, MA, USA.

# PANCREAS/CELIAC/MALABSORPTION

- 407 SHWACHMAN-DIAMOND SYNDROME IN FRATERNAL TWINS. Seth Iskowitz<sup>1</sup>, Paula Prieto Jimenez<sup>1</sup>, Lina Felipez<sup>2</sup>, Alisa Muniz Crim<sup>2</sup>. <sup>1</sup>Pediatrics, Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Nicklaus Children's Hospital, Miami, FL, USA.
- TIME POINT TO GLUTEN CLEARANCE AFTER INITIATION OF A GLUTEN-FREE DIET IN PATIENTS WITH CELIAC DISEASE. Benny Kerzner<sup>1</sup>, Vanessa Weisbrod<sup>1</sup>, William Suslovic<sup>2</sup>, Ilana Kahn<sup>3</sup>, Zachary Kramer<sup>3</sup>, Margaret Parker<sup>3</sup>, Maegan Sady<sup>3</sup>, Shayna Coburn<sup>1</sup>. <sup>1</sup>Gastroenterology Celiac Disease Program, Children's National Medical Center, Washington, , USA; <sup>2</sup>Genetics, Children's National Medical Center, Washington, DC, USA; <sup>3</sup>Neurology, Children's National Medical Center, Washington, DC, USA.
- PANCREATITIS IN A TEENAGE PATIENT WITH CYSTIC FIBROSIS AND EXOCRINE PANCREATIC INSUFFICIENCY ON MODULATOR THERAPY. Racha Khalaf<sup>1</sup>, Ruth DeVoogd<sup>2</sup>, Scott Sagel<sup>2</sup>. <sup>1</sup>Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>Breathing Institute, Children's Hospital Colorado, Aurora, CO, USA.
- THE UTILITY OF IGA BASED SEROLOGIC MARKERS IN DIAGNOSING CELIAC DISEASE IN CHILDREN ≤24 MONTHS OF AGE; CAN WE DEBUNK THE MYTH IN MODERN ERA? Muhammad Rehan Khan¹, Brandon Sparks², Zackary Hintze³, Jocelyn Silvester³, Ivor Hill², Absah Imad¹. ¹Pediatric Gastroenterology & Hepatology, Mayo Clinic, Rochester, MN, USA; ²Pediatric Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA; ³Pediatric Gastroenterology, Boston Children's Hospital, Boston, MA, USA.

# 411 WITHDRAWN

- TOTAL PANCREATECTOMY WITH ISLET-AUTO TRANSPLANT (TPIAT) IN PEDIATRIC PATIENTS: OUTCOMES IMPROVE WITH PATIENT AND FAMILY-CENTERED EDUCATION. Michelle Klosterman<sup>1</sup>, Zerofsky Melissa<sup>1</sup>, Sue Rhee<sup>1</sup>, James Ostroff<sup>2</sup>, Roger Long<sup>1</sup>, Jeanne Buchanan<sup>1</sup>, Amber Borucki<sup>1</sup>, Karen Sun<sup>1</sup>, Gregory Szot<sup>3</sup>, Andrew Posselt<sup>3</sup>, Emily Perito<sup>1</sup>. <sup>1</sup>Pediatrics, University of California, San Francisco, San Francisco, CA, USA; <sup>2</sup>Medicine, University of California, San Francisco, CA, USA.
- ANAPHYLACTIC REACTION AFTER ACCIDENTAL GLUTEN INGESTION IN A 5 YEAR-OLD MALE WITH CELIAC DISEASE. Nathan Kolasinski<sup>1,2</sup>, Cecilia Mikita<sup>3</sup>, Steve Min<sup>1,2</sup>. <sup>1</sup>Pediatrics, Walter Reed National Military Medical Center, Bethesda, MD, USA; <sup>2</sup>Pediatrics, Uniformed Services University of the Health Sciences, Bethesda, MD, USA; <sup>3</sup>Internal Medicine, Walter Reed National Military Medical Center, Bethesda, MD, USA.
- CLINICAL FEATURES, MOLECULAR GENETICS, AND LONG-TERM OUTCOME IN CONGENITAL CHLORIDE DIARRHEA: A NATIONWIDE STUDY IN JAPAN. Ken-ichiro Konishi<sup>1,2</sup>, Tatsuki Mizuochi<sup>1</sup>, Tadahiro Yanagi<sup>1</sup>, Yoriko Watanabe<sup>1</sup>, Kazuhiro Ohkubo<sup>3</sup>, Shouichi Ohga<sup>3</sup>, Hidehiko Maruyama<sup>4</sup>, Ichiro Takeuchi<sup>5</sup>, Yuji Sekine<sup>6</sup>, Kei Masuda<sup>7</sup>, Nobuyuki Kikuchi<sup>8</sup>, Yuka Yotsumoto<sup>9</sup>, Yasufumi Ohtsuka<sup>10</sup>, Hidenori Tanaka<sup>11</sup>, Takahiro Kudo<sup>12</sup>, Atsuko Noguchi<sup>13</sup>, Kazumasa Fuwa<sup>14</sup>, Sotaro Mushiake<sup>15</sup>, Shinobu Ida<sup>16</sup>, Jun Fujishiro<sup>2</sup>, Yushiro Yamashita<sup>1</sup>, Tomoaki Taguchi<sup>17</sup>, Ken Yamamoto<sup>18</sup>. <sup>1</sup>Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan; <sup>2</sup>Pediatric Surgery, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan; <sup>3</sup>Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka,

Japan; <sup>4</sup>Neonatology, National Center for Child Health and Development, Tokyo, Japan; <sup>5</sup>Gastroenterology, National Center for Child Health and Development, Tokyo, Japan; <sup>6</sup>Emergency and General Medicine, Shizuoka Children's Hospital, Shizuoka, Japan; <sup>7</sup>Pediatrics, Doai Memorial Hospital, Tokyo, Japan; <sup>8</sup>Pediatrics, Yokohama City Minato Red Cross Hospital, Yokohama, Japan; <sup>9</sup>Pediatrics, Takatsuki General Hospital, Takatsuki, Japan; <sup>10</sup>Pediatrics, Saga University, Saga, Japan; <sup>11</sup>Pediatrics, Komaki City Hospital, Komaki, Japan; <sup>12</sup>Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan; <sup>13</sup>Pediatrics, Akita University Graduate School of Medicine, Akita, Japan; <sup>14</sup>Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan; <sup>15</sup>Pediatrics, Nara Hospital Kinki University, Ikoma, Japan; <sup>16</sup>Pediatric Gastroenterology, Nutrition and Endocrinology, Osaka Women's and Children's Hospital, Osaka, Japan; <sup>17</sup>Pediatric Surgery, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; <sup>18</sup>Medical Biochemistry, Kurume University School of Medicine, Kurume, Japan.

- 415 A HORSE OF A DIFFERENT COLOR: AN UNUSUAL CAUSE OF JAUNDICE IN THE PEDIATRIC PATIENT. Lauren Lazar, Elaine Odiase, David Troendle. Pediatrics, University of Texas at Southwestern, Dallas, TX, USA.
- NEUROCOGNITIVE AND BEHAVIORAL FUNCTIONING FOLLOWING INITIATION OF A GLUTEN FREE DIET IN CHILDREN WITH CELIAC DISEASE. Ada Lee<sup>1</sup>, Sherin Daniel<sup>1</sup>, Denease Francis<sup>1</sup>, Lesley Small-Harary<sup>1</sup>, Janet Fischel<sup>2</sup>, Anupama Chawla<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Stony Brook University Hospital, Stony Brook, NY, USA; <sup>2</sup>Developmental and Behavioral Pediatrics, Stony Brook University Hospital, Stony Brook, NY, USA.
- PROSPECTIVE LONGITUDINAL GUT METAGENOMIC ANALYSIS SUGGESTS AN ALTERED COMPOSITION AND FUNCTION IN INFANTS PRIOR TO CELIAC DISEASE ONSET. Maureen Leonard<sup>1</sup>, Francesco Valitutti<sup>2</sup>, Poorani Subramanian<sup>3</sup>, Gloria Serena<sup>1</sup>, Victoria Kenyon<sup>1</sup>, Stephanie Camhi<sup>1</sup>, Pasquina Piemontese<sup>4</sup>, Chiara Maria Trovato<sup>2</sup>, Celeste Lidia Raguseo<sup>5</sup>, Tiziana Passaro<sup>6</sup>, Monica Montuori<sup>2</sup>, Basilio Malamisura<sup>6</sup>, Ruggiero Francavilla<sup>5</sup>, Luca Elli<sup>7</sup>, Salvatore Cucchiara<sup>2</sup>, Hiren Karathia<sup>3</sup>, Rita Colwell<sup>3</sup>, Nur Hasan<sup>3</sup>, Ali Zomorrodi<sup>1</sup>, Alessio Fasano<sup>1</sup>. <sup>1</sup>Pediatric GI, MGH, Boston, MA, USA; <sup>2</sup>Pediatric Gastroenterology, Sapienza University of Rome, Rome, Italy; <sup>3</sup>CosmosID, Rockville, MD, USA; <sup>4</sup>NICU, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy; <sup>5</sup>Pediatric Gastroenterology, University of Bari, Bari, Italy; <sup>6</sup>Maternal and Child Department, University Hospital of Salerno, Salerno, Italy; <sup>7</sup>Celiac Disease Unit, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- 418 GROWING UP GLUTEN FREE: PILOT STUDY OF DEVELOPMENTAL STAGE SPECIFIC GLUTEN-FREE CLASSES TO RE-ENGAGE PRE-ADOLESCENTS WITH CELIAC DISEASE. Tara McCarthy, Janis Arnold, Sophie Burge, Jocelyn Silvester, Dascha Weir. Gl/Nutrition, Boston Children's Hospital, Boston, MA, USA.
- 419 IMAGING PREDICTION OF ISLET YIELD DURING TOTAL PANCREATECTOMY WITH ISLET AUTOTRANSPLANTATION IN THE PEDIATRIC POPULATION. Jaimie Nathan<sup>1,2</sup>, Heather Nolan<sup>1,2</sup>, Lin Fei<sup>5</sup>, Tom Lin<sup>6,7</sup>, Deborah Elder<sup>8,7</sup>, Maisam Abu-El-Haija<sup>6,7</sup>, Andrew Trout<sup>3,4</sup>. ¹Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ²Department of Surgery, University of Cincinnati College of Medicine, Cincinnati, OH, USA; ³Department of Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ⁴Department of Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>6</sup>Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Division of Endocrinology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Division of Endocrinology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.

- 420 IMPROVING OUTCOMES IN PEDIATRIC PATIENTS WITH ACUTE PANCREATITIS THROUGH AN ELECTRONIC ORDER SET. Patrick Passarelli<sup>1,2</sup>, Grant Meyer<sup>1,2</sup>, Hannah Wangberg<sup>1,2</sup>, Heather Pierce<sup>1,2</sup>. <sup>1</sup>Pediatrics, UC San Diego, San Diego, CA, USA; <sup>2</sup>Pediatrics, Rady Children's Hospital, San Diego, CA, USA.
- 421 INSULIN AND OPIOID INDEPENDENCE IN CHILDREN AND ADOLESCENTS ONE YEAR AFTER TOTAL PANCREATECTOMY WITH ISLET CELL AUTO-TRANSPLANT (TPIAT). Emily Perito<sup>1</sup>, Michelle Klosterman<sup>1</sup>, Roger Long<sup>1</sup>, Amber Borucki<sup>1</sup>, Gregory Szot<sup>2</sup>, Melissa Zerofsky<sup>1</sup>, Raphael Meier<sup>2</sup>, James Ostroff<sup>3</sup>, Karen Sun<sup>1</sup>, Sue Rhee<sup>1</sup>, Andrew Posselt<sup>2</sup>. <sup>1</sup>Pediatrics, UCSF, San Francisco, CA, USA; <sup>2</sup>Surgery, UCSF, San Francisco, CA, USA; <sup>3</sup>Medicine, UCSF, San Francisco, CA, USA.
- 422 WITHDRAWN
- 423 *RECURRENT ORAL ULCERS AND PERI-ORBITAL EDEMA*. Pooja Reddy¹, Lena Gottesman-Katz¹, Christine Lauren², Amy DeFelice¹. ¹Pediatric Gastroenterology, Columbia University, New York, NY, USA; ¹Dermatology and Pediatrics, Columbia University, New York, NY, USA.
- 424 CHILD WITH SEVERE ANEMIA AND PULMONARY HEMORRHAGE: AN UNUSUAL PRESENTATION OF CELIAC DISEASE. Anna Reed, Christine Karwowski. Pediatric Gastroenterology, Johns Hopkins, Towson, MD, USA.
- FACTORS ASSOCIATED WITH PROLONGED LENGTH OF STAY IN PEDIATRIC ACUTE PANCREATITIS IN A SINGLE TERTIARY PEDIATRIC CARE CENTER IN MEXICO CITY, MEXICO. Yunuen Rivera-Suazo<sup>1,2</sup>, RODRIGO VÁZQUEZ-FRIAS<sup>1</sup>. ¹Pediatric Gastroenterology and Nutrition, Mexico's Children Hospital Federico Gomez, Mexico City, Mexico City, Mexico; ²Pediatric Gastroenterology and Nutrition, Secretaría de la Defensa Nacional, Mexico City, Mexico, Mexico.
- 426 BOOMING GLUTEN FREE MARKET LEAVES INDELIBLE IMPRINT ON DIETARY CHOICES IN PEDIATRIC CELIAC DISEASE. JOSEPH RUNDE, Hilary Jericho, Stefano Guandalini. Pediatric Gastroenterology, University of Chicago, Chicago, IL, USA.
- 427 HISTOLOGIC REMISSION OF CELIAC DISEASE NOT DRIVEN BY GLUTEN FREE DIET FOLLOWING HEART TRANSPLANTATION. JOSEPH RUNDE, Stefano Guandalini, Ruba Azzam. Pediatric Gastroenterology, University of Chicago, Chicago, IL, USA.
- 428 DIAGNOSTIC CHALLENGES IN IDENTIFYING PANCREATIC ENZYME DEFICIENCIES IN CHILDREN. Katelyn Saarela, Zachary Sellers. Pediatrics- Division of pediatric gastroenterology, Hepatology, and Nutrition, Stanford University, Palo Alto, CA, USA.
- CHRONIC PANCREATITIS IN PEDIATRIC FEMALE SECONDARY A PANCREATIC DUCTAL OBSTRUCTION.
  Fabiola Sánchez-Hernández², Karla Cano⁴, Barush Cervantes-Valladolid¹, Gerardo Zaragoza-Arévalo², Luis Waller-Gonzalez³, Rodrigo Soto-Solis³, Eduardo Ordoñez-Gutierrez⁴. ¹General Surgery, National Medical Center "20 de Noviembre", ISSSTE, Mexico City, Mexico; ²Pediatric Gastroenterology, National Medical Center "20 de Noviembre", ISSSTE, Mexico City, Mexico; ³Endoscopic, National Medical Center "20 de Noviembre", ISSSTE, Mexico City, Mexico; ⁴Pediatric Internal Medicine, National Medical Center "20 de Noviembre", ISSSTE, Mexico City, Mexico.

- NON-SPECIFIC DUODENITIS MASQUERADING AS CELIAC DISEASE IN PATIENTS WITH TRISOMY 21. Marisa Stahl<sup>1,3</sup>, Monique Germone<sup>2,3</sup>, Pooja Mehta<sup>1,3</sup>, Edward Hoffenberg<sup>1,3</sup>, Edwin Liu<sup>1,3</sup>, Mary Shull<sup>1,3</sup>.
   <sup>1</sup>Gastroenterology, Children's Hospital Colorado, Denver, CO, USA; <sup>2</sup>Mental Health Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>3</sup>Pediatrics, University of Colorado School of Medicine, Aurora, CO, USA.
- 431 LOPERAMIDE-INDUCED ACUTE PANCREATITIS IN A 16-YEAR-OLD ADOLESCENT FEMALE. Denisse Staufert<sup>1</sup>, Gabriela Beltre<sup>1</sup>, Tatiana Lara<sup>1</sup>, Franscene Oulds<sup>1</sup>, Catalina Marino<sup>1</sup>, Sivan Kinberg<sup>2</sup>. <sup>1</sup>Pediatrics, Lincoln Medical and Mental Health Center, Bronx, NY, USA; <sup>2</sup>Pediatrics, Columbia University Irving Medical Center, New York, NY, USA.
- 432 MULTICYSTIC ADENOMATOUS PANCREATIC HAMARTOMA: A RARE CAUSE OF STEATORRHEA. Kyla Tolliver, Marian Pfefferkorn, Charles Vanderpool. Pediatric Gastroenterology, Indiana University, Indianapolis, IN, USA.
- ULTRA SHORT BOWEL SYNDROME (USBS): DOES THE LENGTHENING PROCEDURES IMPROVE THE OUTCOME? INTESTINAL REHABILITATION PROGRAM CHILDREN'S NATIONAL MEDICAL CENTER (CNMC). Clarivet Torres<sup>1</sup>, Parvathi Mohan<sup>1</sup>, Anthony Sandler<sup>2</sup>. <sup>1</sup>Gastroenterology, Children's National Health System, Washington, DC, USA; <sup>2</sup>Surgery, Children's National Health System, Washington, DC, USA.
- 434 ELEVEN YEARS OUTCOMES OF PEDIATRIC PATIENTS WITH SHORT BOWEL SYNDROME (SBS) TREATED IN THE INTESTINAL REHABILITATION PROGRAM (IRP) AT CHILDREN'S NATIONAL MEDICAL CENTER (CNMC) WAHINGTON DC. Clarivet Torres. Gastroenterology, Children's National Health System, Washington, DC, USA.
- 435 MEDIAN ARCUATE LIGAMENT SYNDROME: CLINICAL PRESENTATION AND OUTCOMES IN A LARGE PEDIATRIC REFERRAL CENTER. Kaitlin Whaley, Todd Jenkins, Maisam Abu-El-Haija, Andrew Trout, Jaimie Nathan, Daniel Mallon. Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.

Friday, October 18, 2019 2:30pm –4:00pm

# HOT TOPICS: NOVEL APPROACHES AND CHALLENGES IN GASTROENTEROLOGY

Sheraton 4-5 Level 4

Moderators: Matthew Ryan, MD, Children's Hospital of Philadelphia and Michael Stephens, MD, Mayo Clinic

# 2:30pm A SURVIVAL GUIDE TO BLENDERIZED FORMULAS

Margaret (Mimi) Girten, RD, LDN, FAND, Children's Hospital of Philadelphia Objectives:

- Recognize the importance of blenderized formulas
- Identify & compare commercial blenderized formulas

# 2:55pm DISAGREEING WITH PARENTS: REFRAMING THE CONVERSATION BY MOVING BEYOND THE BEST INTERESTS STANDARD

Daniel Kamin, MD, Boston Children's Hospital

Objectives:

- Understand how pediatric decision-making is commonly conceptualized from ethics standpoint
- Grasp the benefits and limitations of the best interests standard
- Introduce the concept of reasonableness as a complimentary model for responding to disagreement
- Practice using decision-making models through case study

# NASPGHAN FOUNDATION GEORGE FERRY YOUNG INVESTIGATOR DEVELOPMENT AWARD

3:20pm IMPACT OF OBESITY IN CHANGES IN PHYSIOLOGY AND SYSTEMIC DRUG EXPOSURE TO PROTON PUMP INHIBITORS

Valentina Shakhnovich, MD Children's Mercy Hospital

# 3:32pm FINANCIAL REALITIES OF IBD CARE

Andrew Grossman, MD, Children's Hospital of Philadelphia Objectives:

- Understand the multiple contributors to escalating cost of care for IBD
- Distinguish between direct and indirect costs to pediatric IBD patients and families

Friday, October 18, 2019 2:30pm –4:00pm

# **NASPGHAN/ESPGHAN SOCIETAL PAPERS**

Chicago 6-7 Level 4<sup>th</sup>

Moderators: Melanie Greifer, MD, NYU Langone Health and Vicky Ng, MD, The Hospital for Sick Children

# 2:30pm FECAL MICROBIOTA TRANSPLANTATION IN THE XXI CENTURY, REALLY?

Richard Kellermayer, MD, PhD, Texas Children's Hospital Objectives:

- Recognize the controversies of the gut microbiome, making fecal microbiota transplantation (FMT) the most effective microbial therapeutic to date
- Recognize primary and secondary dysbioses as potential candidates for FMT
- Define recipient, donor, preparation, placebo, and regulatory considerations for FMT and clinical trial design

# 2:50pm PEDIATRIC ENDOSCOPY IN HIGH RISK PATIENTS

Jenifer Lightdale, MD, MPH, UMass Memorial Children's Medical Center Objectives:

- Define high risk pediatric patients undergoing GI procedures
- Discuss pre-operative preparation as a means to mitigate risk
- Identify practices which may increase safety during endoscopy in high risk patients

# 3:10pm THE EVALUATION AND MANAGEMENT FOR PATIENTS WITH VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE

Judith Kelsen, MD, Children's Hospital of Philadelphia Objectives:

- Understand the components of the initial evaluation of very young children who present with symptoms of IBD
- Recognize the signs and symptoms of the most common forms of monogenic VEO-IBD
- Understand the different genetic sequencing options and when these studies are appropriate to perform
- Understand the therapeutic approaches for specific monogenic defects in patients with VEO-IRD

# 3:30pm MANAGEMENT OF HEREDITARY POLYPOSIS IN CHILDREN (FAP, PJS, JPS)

Thomas Attard, MD, Children's Mercy Hospital Objectives:

- At the conclusion of this activity participants will be able to differentiate between the major hereditary polyposis syndromes relevant in the pediatric age group based on clinical, endoscopic-histologic and genetic testing findings
- Activity participants will be able to formulate an endoscopic-intestinal and extraintestinal screening and surveillance plan of care based on the specific polyposis subtype

Friday, October 18, 2019 2:30pm –4:00pm

#### THE ROLE OF DIET IN CHRONIC DISEASE

Chicago 10 Level 4

Moderators: Nikhil Pai, MD, McMaster Children's Hospital and Sarah Fleet, MD, Boston Children's Hospital

# 2:30pm IBD: DIETS THAT WORK

Lindsey Albenberg, DO, Children's Hospital of Philadelphia Objectives:

- Understand epidemiological data linking diet to the development of inflammatory bowel disease
- Understand what is known regarding diet and its effects on the gut microbiome and its metabolome and the relevance to inflammatory bowel disease
- Describe dietary management approaches for IBD: Past, present, and future

# 2:55pm CHANNELING YOUR RAGE: HOW CAN I MAKE THIS !\$%@ INSURANCE COMPANY COVER ENTERAL NUTRITION FOR MY PATIENT?

Bryan Rudolph, MD, MPH, FAAP, The Children's Hospital at Montefiore Objectives:

- Understand the insurance and policy barriers to getting patients on enteral nutrition
- Be familiar with how these barriers vary by state
- Know what NASPGHAN is doing to solve this problem and what you can do to help patients

#### NASPGHAN FOUNDATION/NESTLÉ NUTRITION RESEARCH YOUNG INVESTIGATOR DEVELOPMENT AWARD

3:20pm THE FUNCTIONS OF INITIAL AND EXPANDING LIPID DROPLETS IN NAFLD

Nina Gluchowski, MD, Children's Hospital Boston

3:32pm AT THE CROSSROADS OF NUTRITION AND LIVER DISEASE: HOW TO OPTIMIZE THE NUTRITIONAL STATUS OF PATIENTS WITH CHRONIC LIVER DISEASES

Marialena Mouzaki, MD, Cincinnati Children's Hospital Medical Center Objectives:

- Recognize the limitations of traditional approaches to assessing nutritional status in the context of chronic liver disease
- Evaluate the role of functional assessments of nutritional status
- Successfully implement a nutritional rehabilitation protocol for the support of patients with end stage liver disease

Friday, October 18, 2019 2:30pm –4:00pm

#### **ENDOSCOPY TOP TO BOTTOM**

Chicago 8 Level 4

Moderators: Robert Kramer, MD, Children's Hospital Colorado and Elizabeth Utterson, MD, St Louis Children's Hospital

# 2:30pm JUST THE RIGHT DOSE: EXPOSURE TO GI FLUOROSCOPY

Karen Queliza, MD, Texas Children's Hospital

Objectives:

- Recognize biologic effects of radiation
- Identify equipment used during fluoroscopy and proper radiation safety techniques
- Discuss clinical indications for fluoroscopy during gastrointestinal endoscopy
- Highlight use of dedicated radiation safety training during fellowship

# 2:55pm MEET ME IN THE MIDDLE: DISCOVERY IN THE SMALL INTESTINE

Steven Erdman, MD, Nationwide Children's Hospital

Objectives:

- Discuss the endoscopic approach to the small intestine
- Review mucosal disorders that can be defined by enteroscopy
- Describe the polyposis syndromes that can involve the small intestine

# 3:20pm 436 IS CARBON DIOXIDE INSUFFLATION DURING ENDOSCOPY IN CHILDREN AS SAFE AND AS

 $\textit{EFFECTIVE AS WE THINK?} \ Chinenye \ Dike, \ Riad \ Rahhal, \ Warren \ Bishop. \ Pediatric$ 

Gastroenterology, University of Iowa, Coralville, IA, USA.

# 3:32pm NOT YOUR USUAL ENDOSCOPY

Joel Friedlander, DO, MA-Bioethics, Children's Hospital Colorado Objectives:

- Identify available technologies variant from standard EGD and colonoscopy with biopsies
- Identify indications, use, and methods based on research of available variant endoscopic technologies (TNE, TGE, Capsule, Endo/Eso Flip)
- Identify potential adverse events and contraindications of variant endoscopic technologies
- Identify weaknesses and research needs in new endoscopic technologies

Friday, October 18, 2019 2:30pm –4:00pm

#### THE IMPACT OF NEW TECHNOLOGIES ON PATIENT HEALTH

Sheraton 1 Level 4

Moderators: Jay Hochman, MD, Children's Center for Digestive Health Care and Raghu Varier, MD, Northwest Pediatric Gastroenterology, LLC

2:30pm WEARABLE HEALTH TECHNOLOGIES AND SELF-TRACKING

Pooja Mehta, MD, Children's Hospital Colorado

Objectives:

- Define the features of wearable technology
- Describe the benefits and challenges of wearable devices and self-tracking
- Review current applications of wearable technology in the healthcare setting
- 2:55pm MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE IN MEDICAL DECISION MAKING Sana Syed, MD, University of Virginia

Objectives:

- Artificial intelligence (AI)/Machine learning in today's world
- Understanding deep learning in image analysis of gut biopsies
- Inside the black box how do we do biopsy feature visualization in deep learning?
- 3:20pm 437 MACHINE LEARNING MODELS TO PREDICT WAITLIST MORTALITY AMONG PEDIATRIC LIVER TRANSPLANT CANDIDATES: AN UPDATE TO PELD. Sonja Swenson<sup>1</sup>, John Roberts<sup>2</sup>, Emily Perito<sup>1</sup>.

<sup>1</sup>Pediatrics, University of California, San Francisco, Palo Alto, CA, USA; <sup>2</sup>Surgery, University of

California, San Francisco, San Francisco, CA, USA.

3:32pm TELEMEDICINE: VIRTUAL PRESENCE AND REMOTE FRONTIER

B UK LI, MD, Children's Hospital of Wisconsin

Objectives:

- Identify currently successful telemedicine models
- Recognize the barriers to telemedicine
- Understand the future of telemedicine in gastroenterology

Friday, October 18, 2019 2:30pm –4:00pm

# TRAIN THE PEDIATRIC ENDOSCOPY TRAINER WORKSHOP (Advanced registration required)

Streeterville Room Level 3

Organizers: Douglas Fishman, MD, FASGE, Texas Children's Hospital and Catharine Walsh, MD, MEd, PhD, FRCPC, The Hospital for Sick Children

# Friday, October 18, 2019 4:15pm – 6:00pm

# **NASPGHAN AWARDS CEREMONY**

Chicago 9 Level 4

# Moderators: Karen Murray MD and Barry Wershil MD

INTRODUCTIONS AND WELCOME Karen Murray, MD President, NASPGHAN

HARRY SHWACHMAN AWARD

Presenter: Eric Benchimol, MD and Philip Sherman, MD, FRCPC, FAAP

Awardee: Anne Griffiths, MD, FRCPC

NASPGHAN DISTINGUISHED SERVICE AWARD

Presenter: Jeffrey S. Hyams, MD Awardee: *Neal LeLeiko, MD, PhD* 

AAP MURRAY DAVIDSON AWARD Presenter: Mitchell B. Cohen, MD

Awardee: Susan S. Baker, MD, PhD, FAAP

NASPGHAN MASTER EDUCATOR AWARD

Presenter: Daniel Mallon, MD

Awardee: Alan M. Leichtner, MD, FAAP, MS-HPEd

THE NASPGHAN FOUNDATION RESEARCH AWARDS

Barry Wershil, MD

President, NASPGHAN Foundation

SPECIAL RECOGNITION AWARDS

Gerard Odell Prize

Richard J. Grand and John B. Watkins Prize

Teri Li Award

Amin Tjota Prize for Excellence in Pancreatic Research

CORPORATE SUPPORTER RECOGNITION

Barry Wershil, MD

# Friday, October 18, 2019 6:00pm – 9:00pm

# **LASPGHAN SESSION**

Chicago 8 Level 4

José Garza MD, Comité Internacional NASPGHAN Juan Rivera MD, Presidente de LASPGHAN Karen Murray MD, Presidenta de NASPGHAN

6:00pm-6:05pm Bienvenida

6:05pm–6:20pm ¡Celebrando 10 Años! - Historia de LASPGHAN en NASPGHAN Norberto Rodríguez Báez, MD University of Texas Southwestern Medical Center – Dallas, TX

6:25pm–6:50pm Trastornos de Alimentación en Niños: Consenso de Definición y Marco de Referencia Conceptual Objetivos:

o Discutir la evaluación y el tratamiento multidisciplinario de los trastornos de alimentación

Richard Noel, MD PhD

Duke University Medical Center - Durham, NC

6:55pm-7:15pm Presentación de Trabajos de Investigación

NONINVASIVE METHODS TO PREDICT ESOPHAGEAL VARICES IN MEXICAN CHILDREN Lissa De la Vega

FACTORS ASSOCIATED WITH PROLONGED LENGTH OF STAY IN PEDIATRIC ACUTE PANCREATITIS IN A SINGLE TERTIARY PEDIATRIC CARE CENTER IN MEXICO CITY, MEXICO
Yunuen Rivera-Suazo

7:20pm-7:55pm Debate

Moderador: Samuel Nurko, MD

Gastroparesis: La Importancia de Establecer el Diagnóstico Correcto y sus Implicaciones en el Tratamiento Leonel Rodríguez, MD, MS Yale New Haven Hospital – New Haven, CT

Gastroparesis: Es lo Mismo que Dispepsia Funcional y no Cambia el Manejo Miguel Saps, MD University of Miami Health System – Miami, FL

Convivio y Celebración

# **5K RUN/WALK**

Saturday, October 19, 2019 6:00am On the steps outside of the Sheraton

# **MEET THE PROFESSOR BREAKFASTS**

Saturday, October 19, 2019 7:00am – 8:00am See ticket for rom assignment

# NOVEDADES EN EL MANEJO DE LA INSUFICIENCIA INTESTINAL CRÓNICA

Solange Heller Rouassant, MD, Hacienda De Presillas and Mercedes Martinez, MD, New York Presbyterian Hospital

#### **NEUROMODULATION**

Peter Lu, MD, Nationwide Children's Hospital and Katja Kovacic, MD, Medical College of Wisconsin

#### CHALLENGING CASES IN EOE

Amir Kagalwalla, MD, Ann and Robert H Lurie Children's Hospital and Calies Menard-Katcher, MD, Children's Hospital Colorado

#### 2ND ATTACK OF PANCREATITIS: NOW WHAT?

Mark Lowe, MD, PhD, Washington University School of Medicine and Zachary Sellers, MD, PhD, Stanford University

# COMPLEX CASES IN IBD (FIBROSTENOTIC/STRICURING DISEASE)

Edwin de Zoeten, MD, PhD, Children's Hospital Coloradoand Jeffrey Brown, MD, Ann and Robert H Lurie Children's Hospital

## **AUTOIMMUNE HEPATITIS**

Cara Mack, MD, Children's Hospital Colorado and Nitika Gupta, MBBS, DCH, DNB, MRCP, Emory University School of Medicine

#### **OBSCURE GI BLEEDING**

Ali Mencin, MD, Columbia University Medical Center and Sabina Ahmed Mir, MD, University of North Carolina Chapel Hill

# PROTRACTED DIARRHEA OF INFANCY

Mamata Sivagnanam, MD, Rady Children's Hospital and Mary Abigail Garcia, MD, University of California, San Diego

Saturday, October 19, 2019 8:30am –10:00am

#### **VIDEO ABSTRACTS**

Chicago 8 Level 4

Moderators: Bradley Barth, MD, UT Southwestern Medical Center and Diana Lerner, MD, Medical College of Wisconsin

- 438 ENDOSCOPIC RE-PEG TECHNIQUE FOR BURIED BUMPER SYNDROME. Karlo Kovacic, Alfonso Martinez, Diana Lerner. Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA.
- 439 *USE OF ENDOFLIP IN A PEDIATRIC PATIENT WITH DYSPHAGIA*. Kenneth Ng. Pediatrics, Johns Hopkins School of Medicine, Baltimore, MD, USA.
- 440 ROLE OF THERAPEUTIC ERCP IN MANAGEMENT OF PANCREATOBILIARY ANOMALIES. Karen Queliza, Douglas Fishman. Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA.
- LAPAROTOMY AND INTRAOPERATIVE ENTEROSCOPY IN A TEEN WITH A SEVERE GASTROINTESTIMAL BLEEDING. Amornluck Krasaelap<sup>1</sup>, Jonathan Wong<sup>1</sup>, Amy Wagner<sup>2</sup>, Katherine Flynn-O'Brien<sup>2</sup>, James Southern<sup>3</sup>, Nghia Vo<sup>4</sup>, Diana Lerner<sup>1</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>2</sup>Division of Pediatric Surgery, Department of Surgery, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>3</sup>Division of Pediatric Pathology, Department of Pathology and Laboratory Medicine, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>4</sup>Department of Radiology, Medical College of Wisconsin, Milwaukee, WI, USA.
- USING COMBINED ANTEGRADE-RETROGRADE RENDEVOUS TECHNIQUE TO DILATE NEAR COMPLETE DISTAL ESOPHAGEAL STENOSIS. Abdul Shahein, J. Antonio Quiros, R'celle Boyd, Alida Dempsey, Analina Bayag, Ricardo Arbizu. Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA.
- SEVERE NECROTIZING PANCREATITIS SECONDARY TO HYPERTRIGLYCERIDEMIA MANAGED WITH PLASMAPHERESIS AND LUMEN APPOSING METAL STENT. Russell Zwiener<sup>1</sup>, Thu Pham<sup>1</sup>, Patrick Reeves<sup>2</sup>, Jeremy Stewart<sup>3</sup>, Chris Moreau<sup>4</sup>, Javier Monagas<sup>1</sup>, Sandeep Patel<sup>4</sup>, Adam Noel<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor College of Medicine San Antonio, San Antonio, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Walter Reed Army Medical Center, Bethesda, MD, USA; <sup>3</sup>Department of Pediatrics, Baylor College of Medicine San Antonio, San Antonio, TX, USA; <sup>4</sup>Transplant and Advanced Endoscopy, UT Health San Antonio, San Antonio, TX, USA.
- 444 *ENDOSCOPIC MUCOSAL RESECTION IN CHILDREN.* David Vitale, Laith Jamil, Kenneth Park, Quin Liu. Gastroenterology, Cedars-Sinai Medical Center, Los Angeles, CA, USA.

- 445 RENDEZVOUS TECHNIQUE (ERCP AND PTC) IN PEDIATRIC PATIENTS. Karen Queliza<sup>1</sup>, Alex Chau<sup>2</sup>, J. Alberto Hernandez<sup>2</sup>, Douglas Fishman<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Baylor College of Medicine, Houston, TX, USA.
- APPLICATION OF UNIQUE STENTING TECHNIQUE FOR DRAINAGE OF WALLED OFF PANCREATIC NECROSIS WITH CYST CYSTOSTOMY. Russell Zwiener<sup>1</sup>, Chris Moreau<sup>2</sup>, Javier Monagas<sup>1</sup>, Sandeep Patel<sup>2</sup>, Adam Noel<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor College of Medicine San Antonio, San Antonio, TX, USA; <sup>2</sup>Transplant and Advanced Endoscopy, UT Health San Antonio, San Antonio, TX, USA.
- 447 *UTILITY OF ENDOSCOPIC ULTRASOUND IN PEDIATRIC PANCREATIC NEOPLASMS: REPRESENTATIVE CASES.*Jacob Mark<sup>1,2</sup>, Carrie Marshall<sup>3</sup>. <sup>1</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition,
  Department of Pediatrics, Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA;
  <sup>2</sup>Pediatrics, University of Colorado School of Medicine, Aurora, CO, USA; <sup>3</sup>Pathology, University of
  Colorado School of Medicine, Aurora, CO, USA.
- 448 ADVANCED ENDOSCOPIC THERAPY FOR REFRACTORY ESOPHAGEAL EAR GAUGE FOREIGN BODY STRICTURES. Robert Kramer<sup>1,2</sup>. <sup>1</sup>Pediatrics, University of Colorado, Aurora, CO, USA; <sup>2</sup> Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA.

10am COFFEE BREAK Riverwalk, Level 1

Saturday, October 19, 2019 8:30am –10:00am

#### WHAT ARE RESEARCHERS DOING FOR CLINICIANS TODAY? A PERSONALIZED MEDICINE DEBATE

Chicago 6-7 Level 4

Moderators: Bruno Chumpitazi, MD, Baylor College of Medicine and Kathy Loomes MD, Children's Hospital of Philadelphia

#### 8:30am

Tools to improve characterization of disease and personalize therapy in children with IBD Ted Denson, MD, Cincinnati Children's Hospital Medical Center vs Judith Kelsen, MD, Children's Hospital of Philadelphia Objectives:

- To understand the evaluation and identify patients amenable to targeted therapy in VEO-IBD
- To incorporate clinical phenotype and biomarkers to prognosticate disease course and to target therapy in older children with CD and UC

#### 9:00am

Personalized medicine in the field of pancreatology: Ready for prime-time or caution ahead? Véronique Morinville, MD, Montreal Children's Hospital vs Maisam Abu-El-Haija, MD, Cincinnati Children's Hospital and Medical Center Objectives:

- Recognize the importance of genetics and genotype- phenotype correlations in pancreatitis
- Understand the role of precision medicine in pancreatic diseases
- Consider current limitations and concerns in utilizing genetics in pancreas patient care

#### 9:30am

Personalized medicine in inherited cholestasis: Needs, opportunities and limitations Kathleen Loomes, MD, Children's Hospital of Philadelphia vs Benjamin Shneider, MD, Texas Children's Hospital Objectives:

- Gain an understanding of the types of genetic tests that are available for inherited cholestasis and how the results may be interpreted
- Be able to describe the lack of a genotype-phenotype relationship in Alagille syndrome and understand that genetic modifiers may play a role in disease outcome
- Be able to describe a range of clinically relevant outcomes in ABCB11 disease that might warrant a need for personalized medicine
- Be able to apply an understanding of genotype-phenotype relationships in ABCB11 disease to personalize clinical-decision making for individuals with specific mutations in ABCB11

#### 10am COFFEE BREAK

Riverwalk, Level 1

Saturday, October 19, 2019 8:30am –10:00am

# HANDS ON MOTILITY WORKSHOP

Mayfair Room Level 2

Organizers: Jose Cocjin, MD and Jaime Belkind Gerson, MD

Saturday, October 19, 2019 8:30am –10:00am

# **INNOVATIONS IN VIRAL HEPATITIS**

Chicago 10, Level 4

Moderators: Regino Gonzalez-Peralta, MD, AdventHealth for Children and Saeed Mohammad, MD, Ann & Robert H Lurie Children's Hospital

8:30am UPDATES ON HEPATITIS C TREATMENT: THE CURE IS HERE

Karen Murray, MD, Cleveland Clinic Foundation

Objectives:

- Understand the indications for treating chronically HCV-infected children
- Understand what medications are approved for the treatment of children with chronic HCV

#### NASPGHAN FOUNDATION MID-LEVEL CAREER DEVELOPMENT AWARD

8:55am TNF SIGNALING IN STEATOTIC LIVER INJURY

Nitika Gupta, MD, Emory University

9:07am CHRONIC VIRAL HEPATITIS COINFECTIONS: MANAGEMENT AND CHALLENGES

Norberto Rodriguez-Baez, MD, UT Southwestern Medical Center

Objectives:

- Describe the epidemiology and natural history of chronic viral hepatitis coinfections
- Review the recommendations for monitoring and treatment options for patients with chronic viral hepatitis coinfections

#### NASPGHAN FOUNDATION/TAKEDA PHARMACEUTICAL AMERICA INC. RESEARCH INNOVATION AWARD

9:32am REGULATORY T CELL DYSFUNCTION IN BILIARY ATRESIA

Cara Mack, MD, Children's Hospital Colorado

10am COFFEE BREAK Riverwalk, Level 1

Saturday, October 19, 2019 8:30am –10:00am

#### **TEACHING THE TEACHER**

Chicago 9 Level 4

Moderators: Christine Waasdorp Hurtado, MD, Children's Hospital Colorado and Sarah Lusman, MD, New York-Presbyterian Hospital

# 8:30am FRAMING YOUR FEEDBACK

H Barrett Fromme, MD, MPHE, Comer Children's Hospital Chicago Objectives:

- Describe the roles of both the learner and teacher in feedback
- List two techniques to enhance the feedback relationship
- Appreciate the role feedback plays in professional development

# 8:50am ENTRUSTABLE PROFESSIONAL ACTIVITIES: HOW TO INCORPORATE INTO TRAINING

Cary Sauer, MD, Children's Healthcare of Atlanta Objectives:

- Define/describe entrustable professional activities (EPAs)
- Identify specific and practical components of EPAs useful for formative/summative feedback
- Identify two opportunities to apply EPAs in training

## 9:10am INTEGRATING TECHNOLOGY AND TEACHING

Daniel Mallon, MD, Cincinnati Children's Hospital Medical Center Objectives:

- Understand how online interactive spaced education programs leverage testing and spacing effects for learning
- Envision how one could incorporate technology to facilitate synchronous group learning
- Identify where to find curricular resources on the NASPGHAN members website

# 9:30am BEST PRACTICES IN TEACHING: OBSERVING AS THE BASIS FOR ASSESSING AND COACHING

Alan Leichtner, MD, FAAP, MS-HPEd, Boston Children's Hospital Objectives:

- Optimize opportunities to directly observe and assess trainees in the workplace
- Develop new options for observing and assessing learners
- Incorporate deliberate practice into teaching based on your observations and assessment

# 10am COFFEE BREAK Riverwalk, Level 1

Saturday, October 19, 2019 8:30am –10:00am

#### HOT TOPICS IN GASTROENTEROLOGY

Sheraton 4-5, Level 4

Moderators: Norelle Reilly, MD, Columbia University Medical Center and James Heubi, MD, Cincinnati Children's Hospital Medical Center

#### 8:30am EMERGING THERAPIES IN NAFLD: HOPE OR HYPE?

Stavra Xanthakos, MD, Cincinnati Children's Hospital Medical Center Objectives:

- Review potential therapeutic targets for NAFLD
- Summarize completed and ongoing clinical trials of pharmacotherapy and nutraceuticals for NAFLD
- Understand challenges to developing effective pharmacotherapies for NAFLD

#### 8:55am POLYPHARMACY IN GI: ARE WE TREATING THE PARENT OR THE PATIENT?

Samuel Nurko, MD, Boston Children's Hospital Objectives:

- Review the different treatments available for functional Gi diseases
- Understand why multiple pharmacological approaches may be needed
- Review the main known group interactions
- Explore if it is possible to better tailor therapy

## **FELLOW RESEARCH AWARD**

9:20am

449 *PAI-1 AS AN EPITHELIAL MARKER OF DISEASE SEVERITY IN PEDIATRIC EOSINOPHILIC ESOPHAGITIS.* Prerana Williamson<sup>1,2,3</sup>, Ranjan Dohil<sup>1,2,3</sup>, Maheen Hassan<sup>1,2,3</sup>, Armen Gharibans<sup>3,4,5</sup>, Jacqueline Barsamian<sup>3</sup>, Lucas Dohil<sup>1,8</sup>, Robert Newbury<sup>3,6</sup>, Hayat Mousa<sup>1,2,3</sup>, Seema Aceves<sup>3,7,8</sup>.

<sup>1</sup>Department of Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>2</sup>Division of Pediatric Gastroenterology, University of California San Diego, San Diego, CA, USA; <sup>3</sup>Rady Children's Hospital, San Diego, CA, USA; <sup>4</sup>Department of Surgery, University of Auckland, Auckland, New Zealand; <sup>5</sup>Auckland Bioengineering Institute, University of Auckland, Auckland, New Zealand; <sup>6</sup>Department of Pathology, University of California San Diego, San Diego, CA, USA; <sup>8</sup>Division of Allergy and Immunology, University of California San Diego, San Diego, CA, USA.

#### 9:32am

TO AGRE(o)E OR DIS-AGREE: EOSINOPHILIC ESOPHAGITIS MANAGEMENT FROM THE REAL-WORLD PERSPECTIVE

Joshua Brian Wechsler, MD, Ann & Robert H. Lurie Children's Hospital of Chicago Objectives:

- Identify complex cases of diagnosis and treatment that emphasize the need for new guidelines on PPIs
- Discuss PPI response as a treatment-subtype of Eosinophilic Esophagitis
- Define realistic practice standards for diagnosis and management with regards to PPI therapy

#### 10am COFFEE BREAK

Riverwalk, Level 1

Saturday, October 19, 2019 10:30am – 12:00pm

#### TREATING THE ENTIRE IBD PATIENT

Sheraton 4 – 5 Level 4

Moderators: Alka Goyal, MD, Children's Mercy Hospital and Elaine Barfield, MD, New York-Presbyterian Hospital

#### 10:30am

UNCOVERING THE EVIDENCE: HERBS, MIND-BODY, AND CBD FOR IBD Ann Ming Yeh, Stanford University-Lucile Packard Children's Hospital Objectives:

- Discuss evidence for herbs and supplements in IBD
- Review benefits of mind-body interventions for IBD patients
- Understand current literature on medical marijuana for IBD

#### 10:55am

450 *OPEN SHARING OF AN EHR HEALTH MAINTENANCE CHECKLIST TO IMPROVE MONITORING OF CHILDREN WITH INFLAMMATORY BOWEL DISEASE.* Jeannie Huang<sup>1,2</sup>, Rusvelda Cruz<sup>2</sup>, Ryan Yueh<sup>2</sup>, Steven Miller<sup>4</sup>, Jeremy Screws<sup>3</sup>. <sup>1</sup>Gastroenterology, Rady Children's Hospital San Diego, San Diego, CA, USA; <sup>2</sup>Pediatrics, University of California San Diego, La Jolla, CA, USA; <sup>3</sup>Pediatric Gastroenterology, Erlanger Health System, Chattanooga, TN, USA; <sup>4</sup>Pediatric Gastroenterology, Johns Hopkins School of Medicine, Baltimore, MD, USA.

## 11:07am

PSYCHOSOCIAL SCREENING IN PEDIATRIC IBD Laura Mackner, PhD, Nationwide Children's Hospital Objectives:

- Review role of psychosocial functioning in IBD
- Understand importance of psychosocial screening and current clinical guidelines
- Describe practical strategies for implementing screening in clinic

# YOUNG FACULTY CLINICAL INVESTIGATOR AWARD

#### 11:32am

451 VALIDATION OF THE UCEIS AND MAYO ENDOSCOPIC SUB-SCORE IN PEDIATRIC ULCERATIVE COLITIS. Amanda Ricciuto<sup>1</sup>, Nicholas Carman<sup>2</sup>, Eric Benchimol<sup>2</sup>, Anne Griffiths<sup>1</sup>, Thomas Walters<sup>1</sup>, Peter Church<sup>1</sup>. <sup>1</sup>Gastroenterology, Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Gastroenterology, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada.

Saturday, October 19, 2019 10:30am – 12:00pm

# **GLOBAL INNOVATION, LOCAL APPLICATION**

Chicago 8 Level 4

Moderators: Suzanna Attia, MD, University of Kentucky and Sana Syed, MD, University of Virginia

# 10:30am

BEATING VIRAL HEPATITIS WORLDWIDE: VACCINE\$, ANTIVIRAL\$, VILLAGE HEALTH CARE WORKER\$, AND INFORMED PUBLIC HEALTH OFFICIAL\$
Kathleen B. Schwarz, MD, The Johns Hopkins Hospital
Objectives:

- Understand the global health care burden of viral hepatitis A, B and D, C and E
- Know the indications for approved vaccines against A and B and the status of experimental vaccines for C and E
- Be familiar with approved antivirals for HBV in pregnant women and children and for HCV in children
- Understand the impediments to effective prevention of maternal infant transmission of HBV: the FISPGHAN study
- Know how to advise public health officials on cost effective strategies to eliminate viral hepatitis globally

## 10:55am

EVIDENCE SYNTHESIS IN GLOBAL HEALTH. WHAT GOES IN GUIDELINE DEVELOPMENT Aamer Imdad, MBBS, SUNY Upstate Medical University Objectives

- Overview of evidence synthesis (systematic reviews and meta-analysis)
- Introduction to GRADE (Grading of Recommendations, Assessment, Development and Evaluations)
- Introduction to guideline development at WHO
- Opportunities to learn and contribute to Evidence Synthesis

# 11:20am

MICRONUTRIENT DEFICIENCIES AND GLOBAL BURDEN INCLUDING NEUROCOGNITIVE OUTCOMES Nancy Krebs, MD, University of Colorado Objectives:

- Describe global prevalence of most common micronutrient deficiencies (MND)
- Describe conditions that associate with risk of MND, with emphasis on iron and zinc
- Describe the long-term *impact* of MND, including growth & neurodevelopment
- Name 3 potential solutions/approaches to prevent &/or treat MND

Saturday, October 19, 2019 10:30am – 12:00pm

#### ASPIRATION FROM A MULTIDISCIPLINARY APPROACH

Chicago 6-7 Level 4

Moderators: Dana Williams, MD, Phoenix Children's Hospital and Matthew Riley, MD, Providence Pediatric Gastroenterology

#### 10:30am GASTROENTEROLOGY

Rachel Rosen, MD, Boston Children's Hospital

Objectives:

- To discuss the role for GI testing in the evaluation aspiration
- To review the implications of different thickeners on GI symptoms
- To understand the implications of reflux therapies in the aspirating patient

#### 10:48am OTOLARYNGOLOGY

Michael Rutter, MD, Cincinnati Children's Hospital Medical Center Objectives:

- Recognize that aspiration may be due to anatomical causes or functional causes (such as neurological compromise)
- Be familiar with the surgical solutions to anatomical problems
- Be familiar with the surgical and non-surgical interventions for functional causes

## 11:06am ASPIRATION FROM THE PULMONOLOGIST'S PERSPECTIVE

R Paul Boesch, DO, Mayo Clinic

Objectives:

- Recognize the presentation of chronic pulmonary aspiration in children
- Understand the impact of chronic aspiration on the lungs
- Understand the components of the diagnostic evaluation of chronic aspiration and when to use them
- Understand the importance of a multidisciplinary approach to aspiration evaluation and management

# 11:24am SPEECH LANGUAGE-PATHOLOGY

Joan Arvedson, PhD, CCC SLP, Children's Hospital of Wisconsin Objectives:

- Identify pros and cons of methods for delineating aspiration in infants and children
- Incorporate findings from instrumental swallow evaluations to aid in making management decisions for infants and children with oropharyngeal dysphagia
- Discuss 3 variables related to frequency and texture specificity of aspiration in infants and children

# 11:42am *NUTRITION*

Tracie Clarke, MS, RD, LDN, Boston Children's Hospital Objectives:

- to understand the data behind the use of blends to treat aerodigestive disorders
- to understand the differences in blend options and the implications on motility and gastroesophageal reflux
- to understand the limitations of blenderized feeds in the current insurance climate

Saturday, October 19, 2019 10:30am – 12:00pm

# **COLONOSCOPY SKILLS WORKSHOP (Advanced registration required)**

Chicago 6-7 Level 4

Organizers: Douglas Fishman, MD, FASGE, Texas Children's Hospital and Catharine Walsh, MD, MEd, PhD, FRCPC, The Hospital for Sick Children

Saturday, October 19, 2019 10:30am – 12:00pm

#### REPUTATION MANAGEMENT

Chicago 6-7 Level 4

Moderators: Christopher Hayes, MD, St. Mary's Hospital and Linda Muir, MD, Oregon Health and Science University

10:30am

DIGITAL FOOTPRINT BASICS: PRACTICAL WISDOM FOR MASTERING YOUR ONLINE REPUTATION AS A PHYSICIAN

Bryan Vartabedian, MD, Baylor College of Medicine Objectives:

- How to leverage social media to build a basic online identity on a time-limited budget
- How to conduct a basic digital footprint audit
- How to optimize and maximize 'public profile' sites such as LinkedIn, Doximity and HealthGrades

11:00am

HOW TO DEVELOP YOURSELF AS A THOUGHT LEADER IN SOCIAL MEDIA WHILE BUILDING AND PROTECTING YOUR REPUTATION

John Pohl, MD, University of Utah

Objectives:

- Learn best practices and tips that you can consider when building your reputation online and how to have a well-rounded presence
- How you can partner with your marketing team to help your reputation
- Learn from case studies of physicians and staff from various hospitals that have a great presence

11:30am PANEL DISCUSSION

Saturday, October 19, 2019 10:30am – 12:00pm

#### WHAT DOES THE RESEARCHER OF THE TOMORROW LOOK LIKE?

Chicago 9 Level 4

Moderators: Bruno Chumpitazi, MD, Texas Children's Hospital and Jennifer Woo Baidal, MD, MPH, Columbia University Medical Center & New York-Presbyterian Morgan Stanley Children's Hospital

#### 10:30am FROM THE NIH/CTSA PERSPECTIVE

James Heubi, MD, Cincinnati Children's Hospital Medical Center Objectives:

- To provide information about services broadly available through the CTSA Consortium
- To discuss the importance of team science and how the CTSA hubs support this activity
- To define the potential impacts of teams and social networking addressing a problem will lead to better understanding of disease and treatment
- Define how we can prepare the researchers of the future to optimize their success

#### 10:55am FROM THE ACADEMIC INSTITUTION PERSPECTIVE

Menno Verhave, MD, Boston Children's Hospital

Objectives:

- Understand the evolution of funding sources for research.
- Recognize that successful career paths are not always straight lines.

# 11:20am PATHWAYS TO RESEARCH IN CLINICAL PRACTICE

Benjamin Gold, MD, Children's Center for Digestive Healthcare, LLC Objectives:

- Appreciate the differences between conducting research in the private practice setting compared to the academic physician
- Understand the variety of funding sources for research in private practice

# HANDS ON ENDOSCOPY

Saturday, October 19, 2019 12:00pm – 2:30pm

> Michigan Room Level 2

Organizer: Marsha Kay, MD

#### POSTER SESSION III

Saturday, October 19 2019 12:00pm – 2:30pm

Presenters at their posters from 12:30pm – 1:30pm Riverwalk Level 1

#### \*Posters of Distinction

# APGNN - EVIDENCE-BASED PRACTICE / QI/ NURSING RESEARCH

- 452 AN INITIATIVE TO IMPROVE PARENTAL KNOWLEDGE AND COMPETENCY IN NASOGASTRIC TUBE CARE FOR PEDIATRIC PATIENTS. Kathleen Carr<sup>1</sup>, Julia Perkins<sup>1</sup>, Maireade McSweeney<sup>1,2</sup>, Susanna Huh<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Pediatrics, Harvard Medical School, Boston, MA, USA. 453 FAMILY SATISFACTION WITH HOME INFUSION THERAPY FOR PEDIATRIC IBD. Nancy Salmeri, Gabriele Hunter, Annette Langseder, Mary Kennedy, Maria Perez, Joel Rosh. Pediatric Gastroenterology, Goryeb Children's Hospital/Atlantic Health Systems, Morristown, NJ, USA. 454 IMPLEMENTING UNIVERASAL FOOD INSECURITY SCREENING INTO A SPECIALITY WEIGHT MANAGMENT PROGRAM. Goldie Markowitz, Saba Khan, Garcia Iliana. Healthy Weight Program, The Children's Hospital of Philadelphia, Philadelphia, PA, USA. 455 TO EAT OR NOT TO EAT PREVALENCE OF FOOD INECURITY IN HOUSEHOLDS WITH CHILREN EXPERIENCINCING FEEDIING DIFFICULTIES. Goldie Markowitz<sup>3</sup>, Amy Dean<sup>1</sup>, Christine Sullivan<sup>2</sup>. <sup>1</sup>Clnical Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Clinical Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Healthy Weight, The Children's Hospital of Philadelphia, Philadelphia, PA, USA. 456 IMPLEMENTATION OF STANDARDIZED DOSING FOR VITAMIN D SUPPLEMENATATION ACHIEVED NORMAL SERUM VITAMIN D LEVELS IN CHOLESTATIC BILIARY ATRESIA PATIENTS 2 YEARS OF AGE AND YOUNGER. Annette McCoy. Gastroenterology/Liver, Children's Hospital Colorado, Aurora, CO, USA.
- 457 TELEPHONE TRIAGE GUIDELINES FOR NURSES IN THE DIGESTIVE HEALTH INSTITUTE. Charlotte Montero. Digestive Health Institute, Children's Hospital of Colorado, Denver, CO, USA.
- ASS NEUROGENIC BOWEL DYSFUNCTION: AN EVIDENCE-BASED STEP UP PLAN FOR BOWEL MANAGEMENT. Fiona Paul, Sandra Wooldridge, Samuel Nurko. Gastroenterology, Boston Children's Hospital, Boston, MA, USA.
- 459 A QUALITY IMPROVEMENT INITIATIVE: USE OF TELEMEDICINE VISITS FOR POST-OPERATIVE FOLLOW-UP AFTER ENTERAL TUBE PLACEMENT. Julia Perkins, Lori Parker-Hartigan, Sarah Connearney, Megan Dube,

- Jennifer Lawlor, Laura Capuccio, Kathryn Vukson, Mandy Yu, Ann Bizak, Maireade McSweeney. Gastroenterology, Boston Children's Hospital, Franklin, MA, USA.
- 460 TRANSITION READINESS IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE. Tiffany Smith. Gastroenterology, Children's Hospital Colorado, Aurora, CO, USA.
- 461 EDUCATIONAL CURRICULUM FOR PRIMARY CARE PROVIDERS REGARDING FOCUSED WEIGHT MANAGEMENT PROGRAMS. Donna Garner<sup>1,2</sup>, Nicole Triggs<sup>1,2</sup>, Ryan Himes<sup>3</sup>. <sup>1</sup>Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Gastroenterology, Hepatology, and Nutrition, Texas Children's Hospital, Houston, TX, USA; <sup>3</sup>Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Ochsner Health System, New Orleans, LA, USA.

#### **ENDOSCOPY/QI/EDUCATION**

- 462 EARLY ONSET COLORECTAL ADENOCARCINOMA IN A 15-YEAR-OLD MALE WITH PATHOGENIC GERMLINE MUTATIONS IN APC AND MLH1. Matthew Buendia, Kenneth Ng, Carmen Cuffari. Pediatrics, Johns Hopkins University, Baltimore, MD, USA.
- TWIN MALES WITH SEQUENTIAL INGESTION OF SINGLE-USE LAUNDRY DETERGENT POD LEADING TO DUODENAL INJURY. Sarah Calardo<sup>1</sup>, Peter Janzen<sup>1</sup>, Suchitra Hourigan<sup>1,2</sup>. <sup>1</sup>Pediatrics, Inova Children's Hospital, Centreville, VA, USA; <sup>2</sup>Pediatric Specialists of Virginia, Fairfax, VA, USA.
- 464 ENDOSCOPIC SUBMUCOSAL DISSECTION FOR RESOLUTION OF A SYMPTOMATIC PANCREATIC REST.

  Sandra Camacho Gomez², Chris Moreau¹, Russell Zwiener², James Noel², Adam Noel², Sandeep Patel¹.

  ¹Transplant & Advanced Endoscopy, UT Health San Antonio, Selma, TX, USA; ²Department of Pediatrics, Section of Gastroenterology, Baylor College of Medicine, San Antonio, TX, USA.
- ANASTOMOTIC ULCER IN PEDIATRIC SHORT BOWEL SYNDROME SUCCESSFULLY TREATED BY ARGON PLASMA COAGULATION (APC). Macy Carobene, John Thompson, Debra Pan, Inna Novak, Yolanda Rivas. Pediatric Gastroenterology, Hepatology, and Nutrition, Montefiore Medical Center, Bronx, NY, USA.
- 466 COMPLICATED MECKEL'S DIVERTICULUM IN A TEENAGER WITH INTERMITTENT HEMATOCHEZIA. Reuven Zev Cohen, Patrice Kruszewski. Division of Pediatric Gastroenterology, Hepatology, and Nutrition, Emory University School of Medicine, Children's Healthcare of Atlanta, Atlanta, GA, USA.
- 467 POSITIVE OUTCOMES IN A CASE OF EARLY AGGRESSIVE JUVENILE POLYPOSIS SYNDROME IN THE SETTING OF POLYGENETIC MUTATIONS USING AGGRESSIVE ENDOSCOPIC POLYPECTOMY AND SIROLIMUS. Rhanda Darville, Riad Rahhal. Pediatric Gastroenterology, University of Iowa, Iowa City, IA, USA.
- NEODYMIUM MAGNET INGESTION LEADING TO GASTRIC, SMALL BOWEL, AND COLONIC PERFORATION WITH FISTULA FORMATION. Karen DeMaria<sup>1</sup>, Christopher Coppola<sup>2</sup>, Brian Maksimak<sup>1</sup>. <sup>1</sup>Department of Pediatric Gastroenterology, Geisinger Medical Center, Danville, PA, USA; <sup>2</sup>Department of Pediatric General Surgery, Geisinger Medical Center, Danville, PA, USA.

- 469 *UNUSUAL CASE OF DIVERTICULITIS IN A TEENAGER.* Sylvia Doan, Patrice Kruszewski. Pediatric Gastroenterology, Emory, Atlanta, GA, USA.
- STOPPING THE BLEEDING: PARTNERSHIP BETWEEN PEDIATRIC GI AND SURGERY FOR COLLABORATIVE LAPAROTOMY WITH INTRAOPERATIVE ENDOSCOPY. Nan Du², David Worhunsky¹, Corey Scherer², Ben Freiberg², Doruk Ozgediz¹, Anthony Porto². ¹Surgery, Yale-New Haven Hospital, New Haven, CT, USA; ²Pediatrics, Yale-New Haven, New Haven, CT, USA.
- 471 MULTIPLE RARE-EARTH MAGNET BEAD INGESTION IN A CHILD WITH LIVERSMALL BOWEL-PANCREAS TRANSPLANT. Ahmad Miri¹, Nakayuenyongsuk Warapan¹, Emille Reyes-Santiago¹, Luciano Vargas², Alan Langnas², Ruben Quiros-Tejeira¹, Hanh Vo¹. ¹Pediatric GastroenteroloGY, University of Nebraska Medical center, Omaha, NE, USA; ²Surgery, Organ Transplantation, University of Nebraska Medical Center, Omaha, NE, USA.
- \*472 MELENA IN A YOUNG INFANT FROM SMALL BOWEL HEMANGIOMA: A RARE CAUSE OF
  GASTROINTESTINAL BLEEDING IN INFANTS. Nila Mistry Ambani<sup>1</sup>, Darrell Cass<sup>3</sup>, Scott Robertson<sup>2</sup>, Praveen
  Kumar Conjeevaram Selvakumar<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA;
  <sup>2</sup>Pathology, Cleveland Clinic, Cleveland, OH, USA; <sup>3</sup>Pediatric Surgery, Cleveland Clinic, Cleveland, OH, USA.
- INCIDENTAL FINDING OF DUODENAL POLYPS LEADING TO DIAGNOSIS OF A RARE POLYPOSIS SYNDROME IN A CHILD: A CASE REPORT. Nila Mistry Ambani<sup>1</sup>, Chetan Mandelia<sup>1</sup>, Thomas Plesec<sup>2</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>Pathology, Cleveland Clinic, Cleveland, OH, USA.
- DUODENOGASTRIC INTUSSUSCEPTION IN A 6 MONTH OLD: A RARE CASE OF ACUTE ONSET VOMITING.
  Brianna Brun, Grant Morris, Su Jin Joo, Desalegn Yacob. Pediatrics, Nationwide Children's Hospital,
  Worthington, OH, USA.
- 475 BUTTON BATTERY INGESTION: CHALLENGES IN DIAGNOSIS AND MANAGEMENT. Teresa Oh<sup>1</sup>, Elizabeth Sinclair<sup>2</sup>, Erica Riedesel<sup>3</sup>, Cary Sauer<sup>2</sup>. <sup>1</sup>Pediatrics, Emory University, Atlanta, GA, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Emory University, Atlanta, GA, USA; <sup>3</sup>Pediatric Radiology, Emory University, Atlanta, GA, USA.
- 476 PYLORIC BALLOON DILATION TO TREAT RECURRENT PYLORIC STENOSIS: A CASE REPORT. Leah Patton<sup>2</sup>, David Deutsch<sup>1</sup>. <sup>1</sup>Pediatrics, University of Illinois College of Medicine Rockford, Rockford, IL, USA; <sup>2</sup>M3, University of Illinois College of Medicine Rockford, Rockford, IL, USA.
- 477 IMPLEMENTING ANNUAL DEPRESSION SCREENING FOR ADOLESCENTS WITH IBD USING THE PHQ-9A TOOL. Priya Raj¹, Lauren Ivanhoe², Kelly Fegan-Bohm³, Madilyn Zbranek². ¹Division of Gastroenterology, Hepatology, and Nutrition, Baylor College of Medicine, Texas Children's Hospital, Houston, TX, USA; ¹Texas Children's Hospital, Houston, TX, USA; ³Division of Diabetes and Endocrinology, Baylor College of Medicine, Texas Children's Hospital, Houston, TX, USA.

- 478 PNEUMATOSIS CYSTOIDES INTESTINALIS IN A 15-YEAR-OLD FEMALE. Aldo Recinos Soto<sup>1,4</sup>, Jason Shapiro<sup>1,4</sup>, Athos Bousvaros<sup>2,3</sup>, Carolina Cerezo<sup>1,4</sup>. ¹Pediatric Gastroenterology, Hasbro Children's Hospital, Providence, RI, USA; ²Pediatric Gastroenterology, Boston Children's Hospital, Boston, MA, USA; ³Harvard Medical School, Boston, MA, USA; ⁴The Warren Alpert Medical School of Brown University, Providence, RI, USA.
- CONTROVERSIAL ASPECTS OF PEDIATRIC FOREIGN BODY INGESTIONS: A SINGLE TERTIARY REFERRAL CENTER EXPERIENCE. Wenly Ruan<sup>1,4</sup>, Sohail Shah<sup>2,3</sup>, Douglas Fishman<sup>1,4</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Department of Pediatric Surgery, Texas Children's Hospital, Houston, TX, USA; <sup>4</sup>Pediatrics, Texas Children's Hospital, Houston, TX, USA.
- GASTRIC XANTHOMA IN THE PEDIATRIC POPULATION: A POSSIBLE HERALD FOR MALIGNANCY? Joseph Russell<sup>1</sup>, Jacquelin Peck<sup>5</sup>, Claudia Phen<sup>3</sup>, Janna Linehan<sup>1</sup>, Sara Karjoo<sup>2</sup>, Wil Chimizo<sup>4</sup>, Michael Wilsey<sup>2</sup>. <sup>1</sup>Pre-Medical, University of South Florida, Tampa, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA; <sup>3</sup>Pediatric Gastroenterology, UT Southwestern, Dallas, TX, USA; <sup>4</sup>Pathology, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA; <sup>5</sup>Anesthesiology, Mount Sinai Medical Center, Miami, FL, USA.
- ACCURACY OF MEDICAL RECORD COMPARED TO SELF-REPORTED SOCIODEMOGRAPHIC INFORMATION.

  Joann Samalik<sup>1</sup>, Sally Eder<sup>3</sup>, Ila Moncion<sup>2</sup>, Emily Fredericks<sup>3,5</sup>, Caren Goldberg<sup>4</sup>, Jeremy Adler<sup>2,3</sup>. <sup>1</sup>General Pediatrics, University of Michigan, Ann Arbor, MI, USA; <sup>2</sup>Pediatric Gastroenterology, University of Michigan , Ann Arbor, MI, USA; <sup>3</sup>Susan B. Meister Child Health Evaluation and Research Center, University of Michigan, Ann Arbor, MI, USA; <sup>5</sup>Pediatric Psychology, University of Michigan, Ann Arbor, MI, USA.
- PATTERNS AND SAFETY OF ESOPHAGOGASTRODUODENOSCOPY IN CHILDREN AND YOUNG ADULTS WITH CYSTIC FIBROSIS. Deepthi Sankepalli<sup>1,2</sup>, Ramy Sabe<sup>1,2</sup>, Senthilkumar Sankararaman<sup>1,2</sup>, Ali Khalili<sup>1,2</sup>, Thomas Sferra<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology & Nutrition, UH Rainbow Babies & Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Pediatrics, Case Western Reserve University School of Medicine, Cleveland, OH, USA.
- 483 PEDIATRIC WEB-BASED VIDEO CAPSULE ENDOSCOPY CURRICULUM PILOT STUDY. Corey Scherer<sup>1</sup>, Nan Du<sup>2</sup>, Joel Friedlander<sup>3</sup>, Uma Phatak<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology and Hepatology, Yale, New Haven, CT, USA; <sup>2</sup>Pediatrics, Yale, New Haven, CT, USA; <sup>3</sup>Digestive Health Institute, Colorado Children's Hospital, Aurora, CO, USA.
- 484 A CASE OF CURLING ULCERS SECONDARY TO SUNBURN. Alex Schosheim, Anupama Chawla. Pediatric Gastroenterology, Stony Brook University Hospital, Stony Brook, NY, USA.
- 485 OPTIMIZING THE NUMBER OF CORRECTLY DRAWN TACROLIMUS LEVELS IN SOLID ORGAN TRANSPLANT RECIPIENTS. Victoria Shakhin, Amanda Wenzel, Valeria Cohran. Gastroenterology, Hepatology, and Nutrition, Lurie Children's Hospital of Chicago, Chicago, IL, USA.

- 486 *EARLY COLORECTAL CANCER IN A PATIENT WITH LYNCH SYNDROME.* Victoria Shakhin, Valeria Cohran. Gastroenterology, Hepatology, and Nutrition, Lurie Children's Hospital of Chicago, Chicago, IL, USA.
- DESIGN AND IMPLEMENTATION OF AN OUTPATIENT BLOCK BASED CURRICULUM FOR PEDIATRIC GASTROENTEROLOGY TRAINEES. Aliza Solomon<sup>2</sup>, Jennifer DiPace<sup>1</sup>, Susan Bostwick<sup>1</sup>. <sup>1</sup>Pediatrics, Weill Cornell Medicine, New York, NY, USA; <sup>2</sup>Pediatric Gastroenterology and Nutrition, Weill Cornell Medicine, New York, NY, USA.
- 488 THE ROLE OF DEPRIVATION INDEX AS A CAUSAL FACTOR IN EMERGENT GASTROINTESTINAL PROCEDURES.
  Eve Thau, Kristin Brown, Giselle Podkameni, Linda Franklin, Harpreet Pall. Pediatrics, St Christopher's
  Hospital for Children, Philadelphia, PA, USA.
- 489 DEVELOPING A CONCEPTUAL FRAMEWORK FOR TEACHING COLONOSCOPY: A QUALITATIVE, INTERPROFESSIONAL APPROACH. Amy Turner<sup>1</sup>, Kathleen Huth<sup>2</sup>, Donna Luff<sup>2</sup>, Alan Leichtner<sup>1</sup>.

  <sup>1</sup>Gastroenterology, Hepatology, & Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>General Pediatrics, Boston Children's Hospital, Boston, MA, USA.
- 490 SMALL MAGNETS = BIG PROBLEM; MAGNETIC BALL INGESTION MISSED ON INITIAL IMAGING IN A TODDLER. Imdad Ullah, Rebecca Abell. Pediatric Gastroenterology, University of Rochester, Rochester, NY, USA.
- 491 *ENDOSCOPIC MANAGEMENT OF A CONGENITAL DUODENAL WEB.* Andrew Wang<sup>1</sup>, Anitta Philip<sup>1</sup>, Dyer Heintz<sup>1,2</sup>. <sup>1</sup>Pediatrics, Dell Children's Medical Center, Austin, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Specially for Children Pediatric Subspecialists in Central Texas, Austin, TX, USA.
- 492 ENDOSCOPIC INCISIONAL THERAPY AND OTHER NOVEL STRATEGIES FOR TREATMENT OF CONGENITAL ESOPHAGEAL STENOSIS. Jessica Yasuda<sup>1</sup>, Steven Staffa<sup>3</sup>, Susannah Clark<sup>2</sup>, Peter Ngo<sup>1</sup>, Russell Jennings<sup>2</sup>, Michael Manfredi<sup>1</sup>. <sup>1</sup>GI, Boston Children's Hospital / Harvard, Boston, MA, USA; <sup>2</sup>Surgery, Boston Children's Hospital / Harvard, Boston, MA, USA; <sup>3</sup>Anesthesia, Boston Children's Hospital / Harvard, Boston, MA, USA.
- 493 PROPHYLACTIC ENDOSCOPIC ESOPHAGEAL VACUUM (EVAC) THERAPY OF HIGH RISK ESOPHAGEAL ANASTOMOSES IN PEDIATRIC SURGICAL PATIENTS. Jessica Yasuda¹, Wendy Svetanoff², Steven Staffa³, Peter Ngo¹, Susannah Clark², Charles Smithers², Michael Manfredi¹. ¹GI, Boston Children's Hospital / Harvard, Boston, MA, USA; ³Anesthesia, Boston Children's Hospital / Harvard, Boston, MA, USA; 3Anesthesia, Boston Children's Hospital / Harvard, Boston, MA, USA.

#### **EOE/GERD/AERODIGESTIVE**

- 494 MURAL EOSINOPHILIC GASTROINTESTINAL DISEASE (EGID) IN TWO PATIENTS PRESENTING AS FOCAL MASS. Alexa Manrriquez<sup>1,2</sup>, Omar Alharbi<sup>1</sup>, Melinda Braskett<sup>1</sup>, Vrinda Bhardwaj<sup>1</sup>. <sup>1</sup>Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>2</sup>University of Southern California, Los Angeles, CA, USA.
- 495 EOSINOPHILIC ESOPHAGITIS WITH STRICTURE PRESENTING SHORTLY AFTER INITIATION OF PEANUT ORAL IMMUNOTHERAPY. Zuwaina AlYarubi<sup>1</sup>, Alice Foster<sup>1</sup>, Lianne Soller<sup>3</sup>, Godfrey Lam<sup>2</sup>, Edmond Chan<sup>3</sup>, Vishal Avinashi<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, BC Children's Hospital, Vancouver, BC, Canada;

<sup>2</sup>Department of Medicine, Division of Allergy and Clinical Immunology, University of British Columbia, Vancouver, BC, Canada; <sup>3</sup>Division of Allergy and Immunology, BC Children's Hospital, Vancouver, BC, Canada.

- 496 USE OF BENRALIZUMAB FOR TREATMENT OF EOSINOPHILIC ESOPHAGITIS IN PEDIATRIC PATIENTS, A CASE SERIES. Brandon Arnold¹, Adam Magier², Nives Zimmerman³, Vincent Mukkada¹, Philip Putnam¹, Marc Rothenberg², Patricia Fulkerson². ¹Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ²Division of Allergy and Immunology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ³Division of Pathology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- WHY DIDN'T THE CHICKEN CROSS THE ROAD: AN ESOPHAGEAL FOOD IMPACTION IN A CHILD WITH BOTH EOSINOPHILIC ESOPHAGITIS AND AN ABERRANT RIGHT SUBCLAVIAN ARTERY. Adam Cardullo<sup>2</sup>, Andrea McInerny<sup>1</sup>, Jacob Robson<sup>1</sup>. <sup>1</sup>Pediatrics, Gastroenterology, University of Utah / Primary Children's Hospital, Salt Lake City, UT, USA; <sup>2</sup>Pediatrics, University of Utah / Primary Children's Hospital, Salt Lake City, UT, USA.
- 498 RARE SCHATZKI RING IN A CHILD. Christie Chen<sup>1,2</sup>, Sylvia Doan<sup>1,2</sup>, Cary Sauer<sup>1,2</sup>, Subra Kugathasan<sup>1,2</sup>.

  ¹Pediatrics, Emory University, Atlanta, GA, USA; ²Children's Healthcare of Atlanta, Atlanta, GA, USA.
- 499 A CASE OF A 17-YEAR OLD RENAL TRANSPLANT PATIENT WITH GASTRIC OUTLET OBSTRUCTION CAUSED BY EOSINOPHILIC GASTROENTERITIS. David Garcia, Brittany Parlow, Erika Kutsch. Pediatric Gastroenterology, Nemours/A.I. duPont Hospital for Children, Wilmington, DE, USA.
- A RARE CAUSE OF UPPER GI BLEEDING IN AN ADOLESCENT MALE: EOSINOPHILIC GASTROENTERITIS WITH PERFORATED DUODENAL ULCER. Bridget Gibson<sup>1</sup>, Leanna McKenzie<sup>2</sup>, Dominica Gidrewicz<sup>2</sup>. <sup>1</sup>Pediatrics, University of Alberta, Edmonton, AB, Canada; <sup>2</sup>Pediatric Gastroenterology, University of Calgary, Calgary, AB, Canada.
- SUCCESSFUL TREATMENT OF HEMORRHAGIC STROKE INDUCED CRICOPHARYNGEAL ACHALASIA WITH BOTULINUM TOXIN INJECTION. Franciosi James<sup>1,2</sup>, Piyali Ray<sup>1</sup>, Roberto Gomez Suarez<sup>1,2</sup>, Hadeel Al' Atrash<sup>1,2</sup>, Julie Denham<sup>1,2</sup>, Pablo Palomo<sup>1,2</sup>, Cynthia Chen<sup>3</sup>. <sup>1</sup>GI, Nemours Children's Hospital, Orlando, FL, USA; <sup>2</sup>Pediatrics, University of Central Florida, Orlando, FL, USA; <sup>3</sup>Otolaryngology, Nemours Children's Hospital, Orlando, FL, USA.
- 3-YEAR OLD MALE WITH UNUSUAL ESOPHAGEAL STRICTURE. Emily Zucker<sup>2</sup>, Gautam Nagendra<sup>1</sup>, Vrinda Bhardwaj<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>2</sup>Pediatrics, Children's Hospital Los Angeles, CA, USA.
- ASSOCIATION OF ESOPHAGEAL PSEUDODIVERTICULA AND EOSINOPHILIC ESOPHAGITIS IN A CHILD. Cassandra Nelson<sup>1</sup>, Ketroya Oliver<sup>2</sup>, Ryan Becker<sup>2</sup>, Suchitra Hourigan<sup>1,2</sup>, Grace Felix<sup>1,2</sup>, Otto Louis-Jacques<sup>1,2</sup>. <sup>1</sup>Pediatrics, INOVA Children's Hospital, Vienna, VA, USA; <sup>2</sup>Pediatric Specialists of Virginia, Fairfax, VA, USA.

- 504 EOSINOPHILIC ESOPHAGITIS AND ASPIRATION: TWO CASES OF HEALTHY TODDLERS PRESENTING WITH NEW ONSET ASPIRATION AND FOUND TO HAVE EOE. Eric Pasman, Kevin O'Meara. Pediatric Gastroenterology, Uniformed Services University of the Health Sciences, Bethesda, MD, USA.
- 505 *EOSINOPHILIC ESOPHAGITIS HISTOLOGIC SCORING SYSTEM PROVIDES NEW INSIGHTS INTO EOE.* Bo Lin², Raavi Gupta², Steven Schwarz¹, Simon Rabinowitz¹. ¹Pediatrics, SUNY Downstate, Brooklyn, NY, USA; ²Pathology, SUNY Downstate, Brooklyn, NM, USA.
- THE IMPACT OF THE TRANSITION FROM PEDIATRIC TO ADULT CARE ON PATIENTS WITH EOSINOPHILIC ESOPHAGITIS: INSIGHTS FROM A PATIENT PERSPECTIVES SURVEY. Jane Robinson<sup>1</sup>, Glenn Furuta<sup>1</sup>, Emily McGowan<sup>2</sup>, Nandini Hadker<sup>3</sup>, Irana Kolev<sup>3</sup>, James Williams<sup>4</sup>, Salomé Juethner<sup>4</sup>, Gary Falk<sup>5</sup>. <sup>1</sup>Children's Hospital of Colorado, University of Colorado School of Medicine, Aurora, CO, USA; <sup>2</sup>University of Virginia School of Medicine, Department of Internal Medicine, Division of Allergy and Clinical Immunology, Charlottesville, VA, USA; <sup>3</sup>Trinity Partners, LLC, Waltham, MA, USA; <sup>4</sup>Shire, a Takeda company, Lexington, MA, USA; <sup>5</sup>Division of Gastroenterology, University of Pennsylvania Perelman School of Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA, USA.
- MOST CHILDREN DIAGNOSED WITH EOSINOPHILIC ESOPHAGITIS DO NOT GET APPROPRIATE FOLLOW-UP: LOW ENDOSCOPY RATES ACROSS A LARGE, POPULATION-BASED COHORT. Amber McClain<sup>1</sup>, Molly O'Gorman<sup>1</sup>, Raza Patel<sup>1</sup>, Amy Lowichik<sup>2</sup>, Stephen Guthery<sup>1</sup>, Kathryn Peterson<sup>3</sup>, Jacob Robson<sup>1</sup>. <sup>1</sup>Pediatrics, Gastroenterology, University of Utah / Primary Children's Hospital, Salt Lake City, UT, USA; <sup>2</sup>Pathology, University of Utah, Salt Lake City, UT, USA; <sup>3</sup>Internal Medicine, University of Utah, Salt Lake City, UT, USA.
- QUANTITATIVE ASSESSMENT OF SUBEPITHELIAL FIBROSIS IN PEDIATRIC EOSINOPHILIC ESOPHAGITIS: A PILOT PROJECT USING NOVEL BIOPSY FORCEPS AND IMMUNOFLUORESCENCE IMAGING. Jacob Robson<sup>1</sup>, Molly O'Gorman<sup>1</sup>, Stephen Guthery<sup>1</sup>, Kathryn Peterson<sup>3</sup>, Amy Lowichik<sup>2</sup>, Yang Li<sup>4,5</sup>. <sup>1</sup>Pediatrics, Gastroenterology, University of Utah / Primary Children's Hospital, Salt Lake City, UT, USA; <sup>2</sup>Pathology, University of Utah, Salt Lake City, UT, USA; <sup>3</sup>Internal Medicine, University of Utah, Salt Lake City, UT, USA; <sup>4</sup>Biomedical Engineering, University of Utah, Salt Lake City, UT, USA;
- LONG-TERM OUTCOME IN CHILDREN TREATED WITH EOSINOPHILIC ESOPHAGITIS TREATED WITH PRIMARY ELEMENTAL DIET THERAPY: WHERE ARE THEY AND WHAT HAVE WE LEARNED ABOUT THE ROLE OF ELEMENTAL DIET? Sally Schwartz<sup>1</sup>, Maria Manuel-Rubio<sup>2</sup>, Kaitlin Keeley<sup>2</sup>, Joyce Chesniak<sup>2</sup>, Joshua Wechsler<sup>3,4</sup>, Amir Kagalwalla<sup>3,4,5</sup>. <sup>1</sup>Clinical Nutrition, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>2</sup>Department of Nursing, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>3</sup>Department of Pediatrics, Division of Gastroenterology, Hepatology & Nutrition, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>4</sup>Northwestern University Feinberg School Medicine, Chicago, IL, USA; <sup>5</sup>Pediatrics, John H. Stroger Hospital of Cook County, Chicago, IL, USA.
- RELATIONSHIPS BETWEEN CLINICAL CHARACTERISTICS, TREATMENT, AND HISTOLOGICAL REMISSION IN A PEDIATRIC EOSINOPHILIC ESOPHAGITIS COHORT. Monica Shukla Udawatta<sup>1</sup>, Lauren Gunderman<sup>2</sup>, Brett Klamer<sup>3</sup>, Danielle Orsagh-Yentis<sup>1</sup>, Anne Trout<sup>1</sup>, Brendan Boyle<sup>1</sup>, John Russo<sup>1</sup>, Elizabeth Erwin<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, Nationwide Children's, Columbus, OH, USA; <sup>2</sup>Pedatric Residency, Nationwide Children's, Columbus, OH, USA; <sup>3</sup>Biostatistics, Ohio State University, Columbus, OH, USA; <sup>4</sup>Allergy & Immunology, Nationwide Children's, Columbus, OH, USA.

- NOVEL PRESENTATION OF EOSINOPHILIC ESOPHAGITIS WITH AN ESOPHAGEAL DIVERTICULUM. Linda Wang<sup>1</sup>, Gautam Nagendra<sup>1</sup>, Nishant Tiwari<sup>2</sup>, Vrinda Bhardwaj<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>2</sup>Pathology and Laboratory Medicine, Children's Hospital Los Angeles, Los Angeles, CA, USA.
- BARRIER DYSFUNCTION IS ASSOCIATED WITH MAST CELL ACTIVATION IN EOSINOPHILIC ESOPHAGITIS.

  Amanda Wenzel¹, Lorena Ostilla¹, Ming Wang¹, Brooke Boyer¹, Kaitlin Keeley¹, Amanda Muir³, Amir Kagalwalla¹, Barry Wershil¹, Piper Robida², Bruce Bochner², Kathryn Hulse², Marie-Pier Tetreault², Joshua Wechsler¹. ¹Pediatrics, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; ²Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; ³Pediatrics, Children's Hospital of Philadelphia, Philadelphia, IL, USA.
- COWS MILK ELIMINATION IMPROVES EOSINOPHILIA AND MASTOCYTOSIS IN CHILDREN WITH EOSINOPHILIC ESOPHAGITIS. Joshua Wechsler<sup>1</sup>, Sally Schwartz<sup>1</sup>, Nicoleta Arva<sup>2</sup>, Lorena Ostilla<sup>1</sup>, Kwang-Youn Kim<sup>3</sup>, Elizabeth Gray<sup>3</sup>, Melanie Makhija<sup>1</sup>, Maria Manuel-Rubio<sup>1</sup>, Ronda Shaykin<sup>1</sup>, Kaitlin Keeley<sup>1</sup>, Katie Amsden<sup>1</sup>, Scott Bolton<sup>5</sup>, Hector Melin-Aldana<sup>2</sup>, Barry Wershil<sup>1</sup>, Amir Kagalwalla<sup>1,4</sup>. <sup>1</sup>Pediatrics, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>2</sup>Pathology, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>3</sup>Preventive Medicine, Northwestern University, Chicago, IL, USA; <sup>4</sup>Pediatrics, John H. Stroger, Jr. Hospital of Cook County, Chicago, IL, USA; <sup>5</sup>Pediatrics, Cincinnati Children's Hospital, Cincinnati, OH, USA.

#### APFED OUTSTANDING EGID ABSTRACT AWARD

- \*514 INTERLEUKIN-13-MEDIATED RELEASE OF MITOCHONDRIAL DNA FROM ESOPHAGEAL EPITHELIAL CELLS: A NOVEL NONINVASIVE BIOMARKER FOR EOSINOPHILIC ESOPHAGITIS. Mary Grace Murray<sup>1</sup>, Julie Gang<sup>1</sup>, Reshu Saxena<sup>1</sup>, Alain Benitez<sup>2</sup>, Maureen DeMarshall<sup>3</sup>, Gary Falk<sup>3</sup>, Amanda Muir<sup>2</sup>, Kelly Whelan<sup>1</sup>. <sup>1</sup>Fels Institute for Cancer Research & Molecular Biology, Temple University, Philadelphia, PA, USA; <sup>2</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>University of Pennsylvania, Philadelphia, PA, USA.
- ESOPHAGEAL COMPLIANCE CAN REFLECT THE SEVERITY OF FIBROSIS AND EPITHELIAL REMODELING IN PEDIATRIC EOSINOPHILIC ESOPHAGITIS. Prerana Williamson<sup>1,2,3</sup>, Armen Gharibans<sup>3,4,5</sup>, Jacqueline Barsamian<sup>3</sup>, Ranjan Dohil<sup>1,2,3</sup>, Robert Newbury<sup>3,6</sup>, Seema Aceves<sup>3,7,8</sup>, Hayat Mousa<sup>1,2,3</sup>. <sup>1</sup>Department of Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>2</sup>Division of Pediatric Gastroenterology, University of California San Diego, San Diego, CA, USA; <sup>3</sup>Rady Children's Hospital, San Diego, CA, USA; <sup>4</sup>Department of Surgery, University of Auckland, Auckland, New Zealand; <sup>5</sup>Auckland Bioengineering Institute, University of Auckland, New Zealand; <sup>6</sup>Department of Pathology, University of California San Diego, San Diego, CA, USA; <sup>7</sup>Department of Medicine and Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>8</sup>Division of Allergy and Immunology, University of California San Diego, San Diego, CA, USA.
- ANTI-SIGLEC-8 ANTIBODY REDUCES EOSINOPHIL AND MAST CELL INFILTRATION IN A MOUSE MODEL OF EOSINOPHILIC GASTRITIS: A NOVEL THERAPEUTIC APPROACH FOR EOSINOPHILIC GASTROINTESTINAL DISEASES. Bradford Youngblood, Emily Brock, John Leung, Christopher Bebbington, Nenad Tomasevic. Allakos Inc, Redwood City, CA, USA.
- 517 EOSINOPHILIC ESOPHAGITIS AND GASTRITIS PATIENT BIOPSIES HAVE HIGH LEVELS OF ACTIVATED EOSINOPHILS AND MAST CELLS THAT ARE INHIBITED BY AKOO2. Bradford Youngblood<sup>1</sup>, Emily Brock<sup>1</sup>,

Christopher Bebbington<sup>1</sup>, Nenad Tomasevic<sup>1</sup>, Henrik Rasmussen<sup>1</sup>, Kathryn Peterson<sup>2</sup>. <sup>1</sup>Medical Affairs, Allakos Inc, Redwood City, CA, USA; <sup>2</sup>University of Utah, Salt Lake City, UT, USA.

- COMPARING OUTCOMES FOR FEEDING TUBE-DEPENDENT CHILDREN WITH AND WITHOUT ORAL AVERSION IN AN INTENSIVE INTERDISCIPLINARY TREATMENT PROGRAM. Nancy Bandstra<sup>1,2</sup>, Parker Huston<sup>3,4</sup>, Kate Zvonek<sup>1</sup>, Carly Heinz<sup>1</sup>, Emily Piccione<sup>1</sup>. <sup>1</sup>Intensive Feeding Program, Helen DeVos Children's Hospital, Grand Rapids, MI, USA; <sup>2</sup>Departments of Psychiatry and Pediatrics & Human Development, Michigan State University, East Lansing, MI, USA; <sup>3</sup>Comprehensive Pediatric Feeding Program, Nationwide Children's Hospital, Columbus, OH, USA; <sup>4</sup>Department of Pediatrics, The Ohio State University, Columbus, OH, USA.
- THE EFFECT OF POST-DISCHARGE TELEMEDICINE SESSIONS FOLLOWING TREATMENT IN AN INTENSIVE MULTIDISCIPLINARY FEEDING PROGRAM. Jazmine Bustos<sup>1</sup>, Robyn Robinson<sup>1</sup>, Cindy Kim<sup>2</sup>, Jessica Brown<sup>3</sup>, Elisa Ornelas<sup>1</sup>, Mitchell Katz<sup>1</sup>. <sup>1</sup>Gastroenterology/Nutrition, CHOC Children's, Orange, CA, USA; <sup>2</sup>Psychology, CHOC Children's, Orange, CA, USA; <sup>3</sup>Clinical Nutrition, CHOC Children's, Orange, CA, USA.
- THE POSSIBLE EFFECT OF MESENTERIC TISSUE OXYGENATION DURING THE FIRST ENTERAL FEEDING ON DEVELOPMENT OF NECROTIZING ENTEROCOLITIS IN PRETERM INFANTS. Merih Cetinkaya. Neonatology, Health Sciences University, Kanuni Sultan Suleyman Training and Research Hospital, Istanbul, Turkey.
- 521 PEDIATRIC FEEDING DISORDER IN CHILDREN WITH SHORT BOWEL SYNDROME. Vikram Christian<sup>1</sup>, Megan Van Hoorn<sup>2</sup>, Cassandra Walia<sup>2</sup>, Alan Silverman<sup>1</sup>, Praveen Goday<sup>1</sup>. <sup>1</sup>Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>2</sup>Clinical Nutrition, Children's Hospital of Wisconsin, Milwaukee, WI, USA.
- ESOPHAGEAL ACHALASIA AS PART OF ALLGROVE SYNDROME IN SIBLINGS. Thomas Ciecierega<sup>1</sup>, Adnan Altaf<sup>2</sup>, Mutaz Sultan<sup>3</sup>, Neelesh Tipnis<sup>4</sup>. <sup>1</sup>Pediatrics, NYP-Weill Cornell Medical College, New York, NY, USA; <sup>2</sup>University of Oklahoma, Oklahoma City, OK, USA; <sup>3</sup>Makassed Hospital, Jerusalem, Palestine, State of; <sup>4</sup>University of Alabama, Birmingham, AL, USA.
- 523 A CASE OF CONGENITAL CHYLOUS ASCITES. Tiffany Freeney Wright, Linley Harvie, Anushree Algotar, John Eshun. Pediatrics, University of Tennessee Memphis, Memphis, TN, USA.
- 524 ESOPHAGEAL SYMPTOMS IN AN IMMUNOCOMPETENT ADOLESCENT FOLLOWING SERIAL EBV AND CMV MONONUCLEOSIS WITH HEPATITIS. Maddie Herbert, Erich Maul, Lucy Burgess, George Fuchs. Pediatrics, University of Kentucky College of Medicine, Lexington, KY, USA.
- UTILIZING THE INTERNATIONAL DYSPHAGIA DIET STANDARDIZATION INITIATIVE (IDDSI) FLOW TEST TO ASSESS THICKENED FEEDING FOR INFANTS. Andrea Armellino<sup>5</sup>, Carolyn Kryzer<sup>4</sup>, Molissa Hager<sup>1</sup>, Beth Ruechel<sup>2</sup>, Laura Steinauer<sup>3</sup>, Erin Alexander<sup>1</sup>, Rayna Grothe<sup>1</sup>. <sup>1</sup>Department of Pediatric Gastroenterology and Nutrition, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Department of Pediatric Gastroenterology and Nutrition, Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Department of Pharmacy, Mayo Clinic, Rochester, MN, USA; <sup>4</sup>Nutrition, United Hospital District, Blue Earth, MN, USA; <sup>5</sup>Department of Endocrinology, Diabetes and Nutrition, Mayo Clinic, Rochester, MN, USA.

- 526 GASTRIC SECRETIONS ARE SUPERIOR TO SYNTHETIC FLUIDS FOR REPLACEMENT IN ENTERALLY-FED PEDIATRIC PATIENTS. Mariyam Hashmi<sup>1</sup>, Jonathan Gisser<sup>2</sup>. <sup>1</sup>Pediatrics, Charleston Area Medical Center/West Virginia University, Charleston, WV, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA.
- 527 GASTRIC OBSTRUCTION SECONDARY TO ISOLATED GASTRIC SARCOIDOSIS IN A TODDLER. Thu Pham, Sanda Camacho-Gomez, Javier Monagas, Thomas Denopoli, Mark Gilger. Baylor College of Medicine, San Antonio, TX, USA.
- FEEDING PRACTICES FOLLOWING ESOPHAGEAL BUTTON BATTERY REMOVAL: A 10 YEAR, SINGLE CENTER REVIEW. Elizabeth Sinclair<sup>1</sup>, Matthew Santore<sup>2</sup>, Cary Sauer<sup>1</sup>, Erica Riedesel<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Emory University/CHOA, Decatur, GA, USA; <sup>2</sup>Pediatric Surgery, Emory University/CHOA, Atlanta, GA, USA; <sup>3</sup>Pediatric Radiology, Emory University/CHOA, Atlanta, GA, USA.
- ESOPHAGEAL DYSPHAGIA: A DIAGNOSTIC DILEMMA. Saurabh Talathi<sup>1</sup>, Lindsey Shipley<sup>2</sup>, John Wilson<sup>3,4</sup>, Ali Ahmed<sup>3</sup>, Neelesh Tipnis<sup>1</sup>. <sup>1</sup>Pediatrics, University of Alabama at Birmingham, Birmingham, AL, USA; <sup>2</sup>Internal Medicine, University of Alabama at Birmingham, Birmingham, Birmingham, AL, USA; <sup>4</sup>Gastroenterology, Mississippi Center for Advanced Medicine, Madison, MS, USA.
- 530 POOR FEEDING IN AN INFANT DUE TO AN ORAL LESION. Jessina Thomas, Daniel Williams, Candi Jump. Pediatrics, Medical University of South Carolina, Charleston, SC, USA.

## **FUNCTIONAL/MOTILITY**

- GASTRIC ELECTRICAL STIMULATION FOR CHILDREN WITH SEVERE NAUSEA AND VOMITING: LONG-TERM OUTCOMES AND PATIENT SATISFACTION BASED ON A TEN-YEAR EXPERIENCE. Peter Lu<sup>1</sup>, Kelsey Ryan<sup>1,2</sup>, Danielle Orsagh-Yentis<sup>1</sup>, Karen Diefenbach<sup>3</sup>, Steven Teich<sup>4</sup>, Hayat Mousa<sup>5</sup>, Neetu Bali<sup>1</sup>, Karla Vaz<sup>1</sup>, Desalegn Yacob<sup>1</sup>, Carlo Di Lorenzo<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>The Ohio State University College of Medicine, Columbus, OH, USA; <sup>3</sup>Center for Colorectal and Pelvic Reconstruction, Nationwide Children's Hospital, Columbus, OH, USA; <sup>4</sup>Department of Pediatric Surgery, Levine Children's Hospital, Charlotte, NC, USA; <sup>5</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, University of California, San Diego, Rady Children's Hospital, San Diego, CA, USA.
- PROSPECTIVE COMPARISON OF ANAL SPHINCTER BOTULINUM TOXIN INJECTION FOR CHILDREN WITH HIRSCHSPRUNG DISEASE AND FUNCTIONAL CONSTIPATION. Alexandra Hallagan<sup>1,2</sup>, Devin Halleran<sup>3</sup>, Danielle Orsagh-Yentis<sup>1</sup>, Marc Levitt<sup>3</sup>, Richard Wood<sup>3</sup>, Neetu Bali<sup>1,3</sup>, Karla Vaz<sup>1,3</sup>, Desalegn Yacob<sup>1,3</sup>, Carlo Di Lorenzo<sup>1,3</sup>, Peter Lu<sup>1,3</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>The Ohio State University College of Medicine, Columbus, OH, USA; <sup>3</sup>Center for Colorectal and Pelvic Reconstruction, Nationwide Children's Hospital, Columbus, OH, USA.
- 533 GASTROINTESTINAL MOTILITY IN PREMATURE INFANTS WITH AND WITHOUT PATENT DUCTUS ARTERIOSUS (PDA). Sherief Mansi<sup>1</sup>, Rinarani Sanghavi<sup>1</sup>, Larry Brown<sup>2</sup>, Eric Ortigoza<sup>1</sup>. <sup>1</sup>Pediatrics, UT Southwestern Medical Center, Dallas, TX, USA; <sup>2</sup>Parkland Hospital/UT Southwestern Medical Center, Dallas, TX, USA.

- 534 ROLE OF BIOFEEDBACK IN IMPROVING ENCOPRESIS IN PATIENT WITH FUNCTIONAL CONSTIPATION. Vijay Mehta, Yamen Smadi, Devendra Mehta, Shaista Safder. Pediatric-GI, Arnold Palmer Hospital for Children, Orlando, FL, USA.
- PLACEBO WITHOUT DECEPTION IS EFFECTIVE IN THE TREATMENT OF CHILDREN WITH FUNCTIONAL GASTROINTESTINAL DISORDERS. Samuel Nurko<sup>1,2</sup>, Miguel Saps<sup>1,9</sup>, Joe Kossowsky<sup>3,4</sup>, Sean Zion<sup>5</sup>, Karla Vaz<sup>6</sup>, Kelsey Hawthorne<sup>2</sup>, Rina Wu<sup>2</sup>, Carlo Di Lorenzo<sup>6</sup>, Steven Ciciora<sup>6</sup>, John Rosen<sup>7</sup>, Ted Kaptchuk<sup>8</sup>. <sup>1</sup>Joint first authors, Boston, MA, USA; <sup>2</sup>Division of Gastroenterology, Hepatology, and Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>4</sup>Division of Clinical Psychology and Psychotherapy, University of Basel, Basel, Switzerland; <sup>5</sup>Psychology, Stanford University, Stanford, CA, USA; <sup>6</sup>Division of Gastroenterology, Hepatology, and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA; <sup>7</sup>GI, The Children's Mercy Hospital, Kansas, MO, USA; <sup>8</sup>Program in Placebo Studies, Beth Israel Deaconess Medical Center, Boston, MA, USA; <sup>9</sup>Miller School of Medicine, University of Miami,, Miami, FL, USA.
- 536 IMPACT OF TRANSANAL IRRIGATION (TAI) DEVICE (PERISTEEN®, COLOPLAST) IN MANAGEMENT OF PEDIATRIC PATIENTS WITH CHRONIC FECAL INCONTINENCE AND CONSTIPATION. Samit Patel, Puanani Hopson, Jeffrey Bornstein, Shaista Safder. Pediatric Gastroenterology, Arnold Palmer Hospital, Orlando, FL, USA.
- WHEN ANTEGRADE ENEMAS GO RETROGRADE: SIGNIFICANCE OF RETROGRADE FLOW WITH ANTEGRADE CONTINENCE ENEMAS IN CHILDREN WITH CONSTIPATION. Haley Pearlstein<sup>1</sup>, Lyon Wang<sup>2,1</sup>, Benjamin Thompson<sup>3</sup>, Marc Levitt<sup>4</sup>, Richard Wood<sup>4</sup>, Neetu Bali<sup>1,4</sup>, Karla Vaz<sup>1,4</sup>, Desalegn Yacob<sup>1,4</sup>, Carlo Di Lorenzo<sup>1,4</sup>, Peter Lu<sup>1,4</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology, and Nutrition, Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>The Ohio State University College of Medicine, Columbus, OH, USA; <sup>3</sup>Division of Pediatric Radiology, Nationwide Children's Hospital, Columbus, OH, USA; <sup>4</sup>Center for Colorectal and Pelvic Reconstruction, Nationwide Children's Hospital, Columbus, OH, USA.
- DEMOGRAPHIC AND PSYCHOSOCIAL CHARACTERISTICS OF YOUTH WITH GASTROPARESIS: A 5-YEAR RETROSPECTIVE REVIEW OF PATIENTS MANAGED BY GASTROENTEROLOGY AND PSYCHOLOGY. Kelly Rodriguez<sup>1,2</sup>, Kari Baber<sup>1,2</sup>, Alain Benitez<sup>1</sup>, Svetlana Ostapenko<sup>3</sup>, Ritu Verma<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology & Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Department of Child & Adolescent Psychiatry and Behavioral Sciences, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Department of Biomedical and Health Informatics, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 539 BELCH REFLEX DYSFUNCTION: A PATIENT INITIATED INTERNATIONAL SURVEY OF THE INABILITY TO BURP. Samantha Olthof<sup>3</sup>, Christina Low Kapalu<sup>2,1</sup>, John Rosen<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Developmental and Behavioral Sciences, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>3</sup>Queen's University, Kingston, ON, Canada.
- 540 *INABILITY TO BURP AS A PRIMARY GASTROINTESTINAL SYMPTOM IN CHILDREN*. John Rosen<sup>1</sup>, Samantha Olthof<sup>2</sup>, Christina Low Kapalu<sup>3,1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, The Children's

Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Queen's University, Kingston, ON, Canada; <sup>3</sup>Developmental and Behavioral Sciences, The Children's Mercy Hospital, Kansas City, MO, USA.

- 841 R/NOBURP EXPLORING THE PROCESS OF PATIENT INITIATED SOCIAL MEDIA RESEARCH IN DISORDER DISCOVERY. Christina Low Kapalu<sup>2,1</sup>, Samantha Olthof<sup>3</sup>, John Rosen<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Developmental and Behavioral Sciences, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>3</sup>Queen's University, Kingston, ON, Canada.
- FUNCTIONAL LUMINAL IMAGING PROBE (FLIP) ASSESSMENT OF POST-FUNDOPLICATION EGJ

  DISTENSIBILITY CHANGES MANAGEMENT BEYOND HIGH RESOLUTION MANOMETRY. Rachel Rosen<sup>1</sup>, Jose
  Garza<sup>2</sup>, Samuel Nurko<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Wellesley, MA, USA; <sup>2</sup>Emory
  University, Atlanta, GA, USA.
- NOVEL USE OF TIMED BARIUM ESOPHAGRAM PROTOCOL FOR ASSESSMENT OF ESOPHAGEAL FUNCTION IN CHILDREN. Kent Rosenwald<sup>1,2</sup>, Kari Hayes<sup>2,3</sup>, Jaime Belkind-Gerson<sup>1,2</sup>, Calies Menard-Katcher<sup>1,2</sup>.

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- EFFECTS OF POLYETHYLENE GLYCOL 3350 ON BEHAVIOR IN MICE. Salman Salman<sup>1</sup>, Kent Williams<sup>1,2</sup>, Michael Bailey<sup>2,3</sup>, Ross Maltz<sup>1,2,3</sup>. <sup>1</sup>Pediatric GI, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Pediatrics, The Ohio State University College of Medicine, Columbus, OH, USA; <sup>3</sup>Center of Microbial Pathogenesis, Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, OH, USA.
- OVERCOMING RECRUITMENT CHALLENGES TO INVESTIGATING THE GASTROINTESTINAL EFFECTS OF CHRONIC MARIJUANA USE IN ADOLESCENTS. Matthew Shields, Justin Lopez, David Appelbaum, Jenifer Lightdale. Pediatric Gastroenterology, University of Massachusetts Medical Center, Worcester, MA, USA.
- INTEROBSERVER AND INTRAOBSERVER VARIATION IN INTERPRETATION OF FECAL LOADING ON ABDOMINAL RADIOGRAPHS IN CHILDREN. Narendra Yallanki<sup>1</sup>, Lucia Stephanie Milla<sup>2</sup>, Lesley Small-Harary<sup>1</sup>, Anupama Chawla<sup>1</sup>. <sup>1</sup>Peds Gastroenterology, Stony Brook University Hospital, Stony Brook, NY, USA; <sup>2</sup>Renaissance School of Medicine, Stony Brook, NY, USA.
- CLINICAL CHARACTERISTICS, COMORBID CONDITIONS AND OUTCOMES OF PEDIATRIC HOSPITALIZATIONS WITH CYCLICAL VOMITING SYNDROME. A POPULATION-BASED ANALYSIS. Aravind Thavamani<sup>1,2</sup>, Krishna Kishore Umapathi<sup>1,2</sup>, Jasmine Khatana<sup>1</sup>, Katja Kovacic<sup>3,5</sup>, Thangam Venkatesan<sup>4</sup>, Sanjay Bhandari<sup>4</sup>.

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- IRRITABLE BOWEL SYNDROME IN CHILDREN AND ROME IV. WE CHANGED THE QUESTIONNAIRES AND THEN WHAT HAPPENED? Carlos Velasco-Benitez<sup>1,2</sup>, Priscila Lisboa<sup>4</sup>, Miguel Saps<sup>3</sup>. ¹Pediatria, Universidad del Valle, Cali, Colombia; ²Universidad de Granada, Granada, Spain; ³University of Miami, Miami, FL, USA; ⁴Faculdade de Medicina de Marilia, Sao Paulo, Brazil.

- 749 RISK FACTORS IN CHILDREN UNDER 4 YEARS OF AGE WITH FUNCTIONAL GASTROINTESTINAL DISORDERS ACCORDING TO THE ROME IV CRITERIA. Carlos Velasco-Benitez<sup>1,2</sup>, Eder Villamarin-Betancourt<sup>1</sup>, Jorge Mejia-Lopez<sup>1</sup>. Pediatria, Universidad del Valle, Cali, Colombia; <sup>2</sup>Universidad de Granada, Granada, Spain.
- VALIDITY OF CRITERIA OF THE ROME IV CRITERIA FOR THE DIAGNOSIS OF FUNCTIONAL
  GASTROINTESTINAL DISORDERS IN SCHOOLCHILDREN AND ADOLESCENTS. Carlos Velasco-Benitez<sup>1,2</sup>, Lina Gomez-Oliveros³, Lina Rubio-Moreno³, Jose Tovar-Cuevas³, Miguel Saps⁴. ¹Pediatria, Universidad del Valle, Cali, Colombia; ²Universidad de Granada, Granada, Colombia; ³Universidad del Valle, Cali, Colombia; ⁴Universidad de Miami, Miami, FL, USA.
- DEEP VENOUS THROMBOSIS: A RARE COMPLICATION OF FECAL IMPACTION. Amanda Wenzel<sup>1</sup>, Francis Prendergast<sup>2</sup>, Alex Green<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology & Nutrition, Ann & Robert H Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>2</sup>Medical Imaging, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA.
- BEDSIDE ANORECTAL MANOMETRY TO GUIDE MANAGEMENT IN PEDIATRIC PATIENTS WITH DEFECATION DISORDERS. Justin Wheeler<sup>1</sup>, Katharine Blumenthal<sup>4</sup>, Monica Martinez<sup>2</sup>, Sarah Zobell<sup>2</sup>, Michael Rollins<sup>3</sup>.

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- POSSIBLE RISK FACTORS FOR FUNCTIONAL GASTROINTESTINAL DISORDERS IN SALVADORAN CHILDREN UNDER 4 YEARS OF AGE. Roberto Zablah<sup>1</sup>, Carlos Velasco-Benitez<sup>2</sup>. <sup>1</sup>Pediatria, Hospital Nacional de Niños, San Salvador, El Salvador; <sup>2</sup>Pediatria, Universidad del Valle, Cali, Colombia.

## **INFLAMMATORY BOWEL DISEASE**

- 554 STEADY-STATE TROUGH CONCENTRATIONS AND THEIR RELATIONSHIP TO SELECTED DEMOGRAPHIC AND CLINICAL RESPONSE MEASURES IN ETRASIMOD-TREATED PATIENTS WITH MODERATELY-TO-SEVERELY ACTIVE ULCERATIVE COLITIS. D. Alexander Oh, Caroline Lee, Yong Tang, Christopher Cabell, John Grundy. Arena Pharmaceuticals, San Diego, CA, USA.
- IMPACT OF INDUCTION WITH STEROIDS VS. EXCLUSIVE ENTERAL NUTRITION ON HEALTH-RELATED QUALITY OF LIFE IN A LARGE CANADIAN PEDIATRIC IBD INCEPTION COHORT: IS THERE AN IMPACT ACROSS GENDER? . Anthony Otley¹, Claire Humphrey-Pond¹, Thomas Walters², Kevan Jacobson³, Jennifer deBruyn⁴, Hien Huynh⁵, Wael El-MatarY⁶, Kevin Bax⁻, Mary Sherlock³, David Mack⁶, Colette Deslandres¹¹, Jeff Critch¹², Anne Griffiths², Ernest Seidman¹⁰, Amy Grant¹. ¹Pediatrics, Gastroenterology, IWK Health Centre, Halifax, NS, Canada; ²Hospital for Sick Children, Toronto, ON, Canada; ³BC Children's Hospital, Vancouver, BC, Canada; ⁴Pediatrics, University of Calgary, Calgary, AB, Canada; ⁵Pediatrics, University of Alberta, Edmonton, AB, Canada; ⁶Pediatric Gastroenterology, University of Manitoba, Winnipeg, MB, Canada; ¬Western University, London, ON, Canada; ¬McMaster University, Hamilton, ON, Canada; ¬University of Ottawa, Ottawa, ON, Canada; ¬Research Institute McGill University Health Center, McGill University, Montreal, QC, Canada; ¬Service de Gastroentérologie, CHU Sainte-Justine, Montreal, QC, Canada; ¬Service
- NOVEL TREATMENT OF ITCH DEFICIENCY IN VERY EARLY-ONSET INFLAMMATORY BOWEL DISEASE WITH HEMATOPOIETIC STEM CELL TRANSPLANTATION. Trusha Patel<sup>1</sup>, Maire Conrad<sup>1</sup>, Emily Moser<sup>4</sup>, Natania

Field<sup>5</sup>, Kelly Maurer<sup>2</sup>, Noor Dawany<sup>3</sup>, Claudio Giraudo<sup>11</sup>, Sarah Henrickson<sup>2</sup>, E Wherry<sup>10</sup>, Marcella Devoto<sup>9</sup>, Nancy Bunin<sup>8</sup>, Jason Freedman<sup>8</sup>, Jennifer Heimall<sup>2</sup>, Danielle Arnold<sup>2</sup>, Jonathan Markowitz<sup>6</sup>, Paula Oliver<sup>7,4</sup>, Kathleen Sullivan<sup>2</sup>, Judith Kelsen<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Department of Biomedical and Health Informatics, Children's Hospital of Philadelphia, Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Cell Pathology Division, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>5</sup>Cell and Molecular Biology Program, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA; <sup>6</sup>Pediatric Gastroenterology, University of South Carolina School of Medicine - Columbia, Greenville, SC, USA; <sup>7</sup>Department of Pathology and Laboratory Medicine, University of Pennsylvania, Philadelphia, PA, USA; <sup>8</sup>Blood and Marrow Transplant Program, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>9</sup>Department of Biostatistics, Epidemiology & Informatics, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA; <sup>10</sup>Department of Systems Pharmacology and Translational Therapeutics, University of Pennsylvania, Philadelphia, PA, USA; <sup>11</sup>Microbiology, Thomas Jefferson University, Philadelphia, PA, USA.

- PERCEIVED IMPACT OF PEDIATRIC INFLAMMATORY BOWEL DISEASES ON ACADEMICS, COLLEGE PLANS, AND COLLEGE ADJUSTMENT. Jill Plevinsky<sup>1</sup>, Michele Maddux<sup>3,4</sup>, Rachel Greenley<sup>2</sup>. <sup>1</sup>Behavioral Medicine & Clinical Psychology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL, USA; <sup>3</sup>Clinical Psychology, Developmental & Behavioral Medicine, Children's Mercy Hospital, Kansas City, MO, USA; <sup>4</sup>Pediatrics, University of Missouri-Kansas City School of Medicine, Kansas City, MO, USA.
- PERIPHERAL BLOOD EOSINOPHILIA AND LONG TERM SEVERITY IN PATIENTS WITH PEDIATRIC- AND ADULT-ONSET INFLAMMATORY BOWEL DISEASES. Krishnapriya Marangattu Prathapan<sup>1</sup>, Claudia Ramos Rivers<sup>2</sup>, Sandra Kim<sup>1</sup>, Ioannis Koutroubakis<sup>3</sup>, Xiaoqing Tan<sup>3</sup>, Gong Tang<sup>3</sup>, Dmitriy Babichenko<sup>3</sup>, Marc Schwartz<sup>2</sup>, Siobhan Proksell<sup>2</sup>, Elyse Johnston<sup>2</sup>, Jana Al Hashash<sup>2</sup>, Michael Dunn<sup>2</sup>, Annette Wilson<sup>3</sup>, Alyce Anderson<sup>3</sup>, Arthur Barrie<sup>2</sup>, Janet Harrison<sup>2</sup>, Douglas Hartman<sup>3</sup>, David Binion<sup>2</sup>. <sup>1</sup>Pediatric Gastreoenterology, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Division of Gastroenterology, Hepatology and Nutrition, University of Pittsburgh Medical Center, Pittsburgh, PA, USA; <sup>3</sup>University of Pittsburgh, PH, USA.
- COLON IL-33 IS PRIMARILY PRODUCED BY MYOFIBROBLASTS AND DIFFERENTIALY INDUCED DURING ACUTE AND CHRONIC COLITIS IN MICE. Amanda Waddell<sup>1</sup>, Jefferson Vallance<sup>1</sup>, Sejal Fox<sup>1</sup>, Michael Rosen<sup>1,2</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Department of Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA.
- OBESITY IN PEDIATRIC INFLAMMATORY BOWEL DISEASE: PREVALENCE AND DISEASE ASSOCIATIONS IN THE ERA OF BIOLOGIC THERAPY. Patrick Rowland, Candi Jump, J. Antonio Quiros, Johanna Palmadottir, Courtney Vaughn, Molly Stone, Keri Walker. Pediatrics, Medical University of South Carolina, Charleston, SC, USA.
- \*561 LACTOBACILLUS REUTERI SECRETES y-GLUTAMYLCYSTEINE TO SUPPRESS PRO-INFLAMMATORY DRIVEN REACTIVE OXYGEN SPECIES IN HUMAN INTESTINAL EPITHELIUM. Wenly Ruan<sup>1,2</sup>, Melinda Engevik<sup>3,4</sup>, Anne Hall<sup>3,4</sup>, Alexandra Chang-Graham<sup>5</sup>, heather danof<sup>5</sup>, Robert Britton<sup>5</sup>, Joseph Hyser<sup>5</sup>, James Versalovic<sup>3,4</sup>.

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Immunology, Baylor College of Medicine, Houston, TX, USA; <sup>5</sup>Molecular Virology and Microbiology, Baylor College of Medicine, Houston, TX, USA.

- MICROBIAL COMMONS OF EXCLUSIVE ENTERAL NUTRITION ACROSS DISTINCT GUT ENVIRONMENTS: A THOUGHT EXPERIMENT. JOSEPH RUNDE<sup>1</sup>, Murat Eren<sup>2,3</sup>, Andrea Watson<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Chicago, Chicago, IL, USA; <sup>2</sup>Department of Medicine, University of Chicago, Chicago, IL, USA; <sup>3</sup>Marine Biology Laboratory, Joseph Bay Paul Center for Comparative Molecular Biology and Evolution, Woods Hole, MA, USA; <sup>4</sup>Committee on Microbiology, University of Chicago, Chicago, IL, USA.
- 12 MONTH OUTCOMES AFTER INDUCTION THERAPY WITH ENTERAL NUTRITION IN PEDIATRIC CROHN'S DISEASE. Jessica Rutsky<sup>1,2</sup>, Nicole Davidson<sup>1,2</sup>, Josh Bricker<sup>3</sup>, Ross Maltz<sup>4</sup>, Jennifer Dotson<sup>4</sup>, Jennifer Smith<sup>4</sup>, Brendan Boyle<sup>4</sup>. <sup>1</sup>Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Pediatrics, The Ohio State University College of Medicine, Columbus, OH, USA; <sup>3</sup>The Center for Innovation in Pediatric Practice, The Research Institute, Nationwide Children's Hospital, Columbus, OH, USA; <sup>4</sup>Division of Pediatric Gastroenterology, Hepatology, and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA.
- PEDIATRIC PATIENT AND PARENT EXPERIENCE WITH THE CROHN'S DISEASE EXCLUSION DIET: BARRIERS ANF FACILITATORS FOR NUTRITION THERAPY IMPLEMENTATION. Angela Sandell<sup>1</sup>, Debra Bogen<sup>2</sup>, David Keljo<sup>1</sup>, Stacey Zettle<sup>1</sup>, Judy Chang<sup>3</sup>, Sandra Kim<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>General Academic Pediatrics, UPMC Children's Hospital of Pittsburgh, PH, USA; <sup>3</sup>Obstetrics and Gynecology, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.
- AGE-RELATED CHANGES IN MAST CELLS AND DISEASE SEVERITY IN PEDIATRIC ULCERATIVE COLITIS. Jes Sanders<sup>1</sup>, Ming Wang<sup>2</sup>, Joshua Wechsler<sup>2,3</sup>. <sup>1</sup>Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>2</sup>Pediatrics, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>3</sup>Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL, USA.
- 566 MENTAL HEALTH SCREENING IN A PEDIATRIC IBD CLINIC. Rachel Schenker, Sonia Milbank, Jennifer Burgis, Sofia Verstraete. Pediatrics, UCSF, San Francisco, CA, USA.
- 567 PREDICTING AND PREVENTING PERIANAL FISTULAE IN PEDIATRIC CROHN'S DISEASE. Andrew Singer<sup>1</sup>, Jeremy Adler<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Michigan, Ann Arbor, MI, USA; <sup>2</sup>Susan B. Meister CHEAR Center, University of Michigan, Ann Arbor, MI, USA.
- DIFFERENCES IN THE CLINICAL PRESENTATION OF EOSINOPHILIC ESOPHAGITIS IN PEDIATRIC PATIENTS
  WITH ULCERATIVE COLITIS AND CROHN'S DISEASE. Judy Splawski<sup>1,2</sup>, Atiye Aktay<sup>1,2</sup>, Sharon Perry<sup>1</sup>, Virginia
  Baez Socorro<sup>1,2</sup>, Thomas Sferra<sup>1,2</sup>, Jonathan Moses<sup>1,2</sup>. <sup>1</sup>Pediatrics, UH Rainbow Babies & Children's
  Hospital, Cleveland, OH, USA; <sup>2</sup>Pediatrics, Case Western Reserve University School of Medicine, Cleveland,
  OH, USA.
- A CONCOMITANT DIAGNOSIS OF ULCERATIVE COLITIS IN A PEDIATRIC PATIENT INITIALLY PRESENTING WITH IMMUNE THROMBOCYTOPENIC PURPURA. Julee Sunny, Paula Prieto, Alisa Muniz Crim, Lina Felipez. Nicklaus Children's Hospital, Miami, FL, USA.
- 570 AN ANAPHYLACTIC REACTION TO ADMINISTRATION OF USTEKINUMAB IN A PEDIATRIC PATIENT. Julee Sunny, Paula Prieto, Alisa Muniz Crim, Lina Felipez. Nicklaus Children's Hospital, Miami, FL, USA.

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  Pediatric Surgery, Cohen Children's Medical Center of NY/Northwell Health, New Hyde Park, NY, USA.
- 572 DIET MODIFICATION AS TREATMENT FOR PEDIATRIC IBD: A RETROSPECTIVE CHART REVIEW. Katherine Tribble, Emily Daniel, Daphne Say. Pediatrics, University of California, Davis, Sacramento, CA, USA.
- THE VISCERAL SENSITIVITY INDEX: A NOVEL TOOL FOR MEASURING GI-SYMPTOM SPECIFIC ANXIETY IN INFLAMMATORY BOWEL DISEASE. Kimberly Trieschmann<sup>1</sup>, Emeran Mayer<sup>2</sup>, Bruce Naliboff<sup>2</sup>, Swapna Joshi<sup>2</sup>, Lin Chang<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, UCLA Mattel Children's Hospital, David Geffen School of Medicine, Los Angeles, CA, USA; <sup>2</sup>G Oppenheimer Center for Neurobiology of Stress and Resilience at UCLA, Vatche and Tamar Manoukian Division of Digestive Diseases, David Geffen School of Medicine, Los Angeles, CA, USA.
- EFFECT OF THE TRADITIONAL CHINESE MEDICINE (TCM), PIEN TZE HUANG (PZH) ON EXPERIMENTAL INTESTINAL INFLAMMATION AND ASSOCIATED CHANGES IN LYMPHANGIOGENIC GROWTH FACTORS.

  Sujithra Velayuthan<sup>1,2</sup>, Liya Liu<sup>1,2,3</sup>, Youqin Chen<sup>1,2</sup>, Jun Peng<sup>3</sup>, Thomas Sferra<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology Hepatology and Nutrition, UH Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Department of Pediatrics, Case Western Reserve University School of Medicine, Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>3</sup>Fujian University of Traditional Chinese Medicine, Minhou Shangjie, Fugian, China.
- AN ADOLESCENT WITH RECURRENT PENOSCROTAL SWELLING AS GENITOURINARY MANIFESTATION OF METASTATIC CROHN'S DISEASE. Sanu Yadav<sup>1</sup>, Molly Dewitt-Foy<sup>2</sup>, Audrey Rhee<sup>2</sup>, Jacob Kurowski<sup>1</sup>.

  <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>Pediatric Urology, Cleveland Clinic, Cleveland, OH, USA.
- 576 EBESTEIN-BARR-DRIVEN LYMPHOPROLIFERATIVE DISORDER IN A PATIENT WITH INFLAMMATORY BOWEL DISEASE. Fernando Zapata<sup>1,2</sup>. <sup>1</sup>Pediatrics, Children's Hospital and Medical Center, Omaha, NE, USA; <sup>2</sup>Pediatrics, Nebraska University, Omaha, NE, USA.
- 577 SINGLE-CELL ANALYSIS OF T CELL PATHOGENESIS IN PEDIATRIC INFLAMMATORY BOWEL DISEASE. Hengqi Zheng¹, Jose Ordovas-Montanes², Benjamin Doran², Alison Yu³, Victor Tkachev⁴, David Suskind¹, Ghassan Wahbeh¹, Dale Lee¹, Alex Shalek², Leslie Kean⁴. ¹Pediatric Gastroenterology, Seattle Children's Hospital, Seattle, WA, USA; ²Broad Institute, Cambridge, MA, USA; ³Research Institute, Seattle Children's Hospital, Seattle, WA, USA; ⁴Boston Children's Hospital, Boston, MA, USA.
- THE ASSOCIATION BETWEEN POSTOPERATIVE ENDOSCOPIC RECURRENCE BY RUTGEERTS SCORE AND CLINICAL RECURRENCE IN CHILDREN WITH CROHN'S DISEASE. Lori Zimmerman<sup>1</sup>, Knox Young<sup>1</sup>, Kimberly Greco<sup>2</sup>, Robert Shamberger<sup>3</sup>, Jill Zalieckas<sup>3</sup>, Brent Weil<sup>3</sup>, Athos Bousvaros<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Institutional Centers for Clinical and Translational Research, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Surgery, Boston Children's Hospital, Boston, MA, USA.

- 579 PHENOTYPE OF INFLAMMATORY BOWEL DISEASE IN ASIAN CHILDREN. Wenjing Zong<sup>1</sup>, Amit Patel<sup>2</sup>, Lindsey Albenberg<sup>1</sup>. <sup>1</sup>Gastroeneterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Rowan University School of Osteopathic Medicine, Stratford, NJ, USA.
- THE IMPACT OF PARENTING STYLE ON SELF-EFFICACY AND IBD TRANSITION READINESS. Lynsey Zuar<sup>1</sup>, Kimberley Chien<sup>1</sup>, Jennifer Lentine<sup>1</sup>, Victoria Cooley<sup>2</sup>, Elizabeth Mauer<sup>2</sup>, Linda Gerber<sup>2</sup>, Laurie Keefer<sup>3</sup>.

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#### LIVER

- 581 MESO-CAVAL SHUNT CAUSING DUODENAL COMPRESSION IN A 14 YEAR-OLD PATIENT WITH CAVERNOUS TRANSFORMATION OF THE PORTAL VEIN. Alaa Abdelghani<sup>1</sup>, Suchitra Hourigan<sup>1,2</sup>, Ian Leibowitz<sup>1,2</sup>.

  ¹Pediatrics, Inova Fairfax Children's hospital, Faifax, VA, USA; ²Pediatric Gastroenterology, Pediatric Specialists of Virginia, Fairfax, VA, USA.
- 582 SPLENOMEGALY AND ELEVATED LIVER ENZYMES IN A 5-MONTH OLD BOY WITH CYSTIC FIBROSIS. Heather Brandt, Rajeev Bhatia, Madhura Phadke. Pediatric Gastroenterology, Hepatology and Nutrition, Akron Children's Hospital, Akron, OH, USA.
- \*583 TARGETED IMMUNOTHERAPY FOR CD8+ T-CELL MEDIATED LIVER INJURY IN TWO PEDIATRIC PATIENTS.

  Katelyn Saarela, Rebecca Berquist Mckenzie, William Berquist. Pediatrics, Stanford University, Palo Alto,
  CA, USA.
- HEPATITIS B VIRUS PROPHYLAXIS POST LIVER TRANSPLANT FOR NON-IMMUNE RECIPIENT FROM HIGH RISK DONOR. Stephanie Saaybi¹, Ruth Kanthula², Dahye Hong⁴, Alexander Kroemer⁵, Nada Yazigi³.

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- 585 FIRST PATIENT WITH GIMAP5 DEFICIENCY PRESENTING WITH NON-CIRRHOTIC INTRAHEPATIC PORTAL HYPERTENSION. Michael Schmalz, Rabi Hanna, Kadakkal Radhakrishnan. Pediatric Gastroenterology, Cleveland Clinic Children's, Cleveland, OH, USA.
- A CASE SERIES OF SIBLINGS IN ACUTE LIVER FAILURE AFTER AMOXICILLIN EXPOSURE, DO GENETICS PLAY A ROLE? Alex Schosheim, Anupama Chawla, Daniel Mockler. Pediatric Gastroenterology, Stony Brook University Hospital, Stony Brook, NY, USA.
- \*587 HIGH INDEX OF SUSPICION FOR BILE ACID SYNTHESIS DEFECT IN AN ATYPICAL PRESENTATION OF LIVER DISEASE. Stephanie Schuckalo<sup>1</sup>, Jamie Mathew<sup>2</sup>, Peter Wilmot<sup>1</sup>, Howard Corey<sup>3</sup>, Nadia Ovchinsky<sup>2,1</sup>.

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- SERUM ATYPICAL CHOLESTANOIC ACIDS (C27) IN PEROXISOMAL BIOGENESIS DISORDERS. Kenneth Setchell<sup>1</sup>, Wujuan Zhang<sup>1</sup>, Monica Narvaez Rivas<sup>1</sup>, James Heubi<sup>2</sup>. <sup>1</sup>Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Department of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- VARIABILITY IN LIVER COMPOSITION IN CHILDREN PARTICIPATINF IN PHARMACOKINETIC STUDIES OF PROTON PUMP INHIBITORS. Valentina Shakhnovich<sup>1,3</sup>, Sherwin Chan<sup>2</sup>, Neil Mardis<sup>2</sup>, Alec Friesen<sup>4</sup>, Jansynn Radford<sup>5</sup>, J Steven Leeder<sup>2</sup>. <sup>1</sup>Pediatrics, University of Missouri Kansas City School of Medicine, Kansas City, MO, USA; <sup>2</sup>Children's Mercy Kansas City, Kansas City, MO, USA; <sup>3</sup>Children's Mercy Kansas City, Kansas City, MO, USA; <sup>4</sup>University of Kansas School of Medicine, Kansas City, KS, USA; <sup>5</sup>Kansas State University, Manhattan, KS, USA.
- 590 LARGE FOCAL NODULAR HYPERPLASIA IN AN 8-YEAR-OLD GIRL DIAGNOSED BY SPECIAL STAINING. Jaclyn Siegel, Ali Khalili, Michael Dingeldein, Shahrazad Saab. Pediatrics, UH Rainbow Babies & Children's Hospital, Weston, FL, USA.
- TEMPORAL TREND, MICROBIOLOGY AND CLINICAL CHARACTERISTICS OF PYOGENIC LIVER ABSCESS

  AMONG CHILDREN IN THE UNITED STATES. A POPULATION-BASED ANALYSIS. Aravind Thavamani, Krishna
  Kishore Umapathi, Jasmine Khatana, Aparna Roy. Pediatrics, Metro Health Medical Center, Parma, OH,
  USA.
- 592 DEVELOPMENT OF PATIENT- AND OBSERVER-REPORTED OUTCOME MEASURES FOR PAEDIATRIC CHOLESTATIC LIVER DISEASES. Richard Thompson<sup>1</sup>, Chad Gwaltney<sup>2</sup>, Jean Paty<sup>2</sup>, Jan Mattsson<sup>3</sup>, Kristina Torfgård<sup>3</sup>. <sup>1</sup>Institute of Liver Studies, King's College London, London, United Kingdom; <sup>2</sup>IQVIA, New York, NY, USA; <sup>3</sup>Albireo AB, Gothenburg, Sweden.
- 593 COMPARISON OF ADULT VS. JUVENILE ONSET PRIMARY SCLEROSING CHOLANGITIS ASSOCIATED WITH INFLAMMATORY BOWEL DISEASE. Stefani Tica, Bonsa Nemera, Yumirle Turmelle, Janis Stoll, Sakil Kulkarni. Pediatric Gastroenterology, Hepatology, Nutrition, St. Louis Children's Hospital, Washington University in St. Louis, Saint Louis, MO, USA.
- LIVER TRANSPLANTATION IN A CHILD WITH END STAGE LIVER DISEASE DUE TO CARBOHYDRATE DEFICIENT GLYCOPROTEIN TYPE 1A (PMM2-CDG). Jody Weckwerth<sup>1,2</sup>, Carlie Lovejoy<sup>2</sup>, Julie Heimbach<sup>2</sup>, Eva Morava<sup>3</sup>, Katryn Furuya<sup>1,2</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>William J. von Liebig Center for Transplantation, Mayo Clinic, Rochester, MN, USA; Mayo Clinic, Rochester, MN, USA.
- 595 LIVER TRANSPLANTATION FOR HNF1B DISEASE IN AN ADOLESCENT MALE. Jody Weckwerth<sup>1,2</sup>, Amanda Dahl<sup>3</sup>, Siobhan Pittock<sup>3</sup>, Seema Kumar<sup>3</sup>, Charles Rosen<sup>2</sup>, Rayna Grothe<sup>1</sup>, Katryn Furuya<sup>1,2</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>William J. von Liebig Center for Transplantation, Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Division of Pediatric Endocrinology, Mayo Clinic, Rochester, MN, USA.
- 596 IDENTIFYING SMALL MOLECULES TO CORRECT ABNORMAL PROTEIN TRAFFICKING OF ALANINE-GLYOXYLATE AMINOTRANSFERASE (AGT) IN A HUMAN CELL MODEL OF PRIMARY HYPEROXALURIA TYPE I TO AVOID NEED FOR LIVER TRANSPLANTATION. Jordan Whatley<sup>1,2</sup>, Eric Torres<sup>3</sup>, Janos Steffen<sup>3</sup>, Mark

Hanudel<sup>4</sup>, Elizabeth Marcus<sup>1</sup>, Martin Martin<sup>1</sup>, Carla Koehler<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, University of California Los Angeles, Los Angeles, CA, USA; <sup>2</sup>Intercampus Medical Genetics, University of California Los Angeles, Los Angeles, CA, USA; <sup>3</sup>Chemistry and Biochemistry, University of California Los Angeles, Los Angeles, CA, USA; <sup>4</sup>Pediatric Nephrology, University of California Los Angeles, Los Angeles, CA, USA.

- \*597 SEVERE POLYARTICULAR INFLAMMATORY ARTHRITIS COMPLICATING ALAGILLE SYNDROME. Jesse White, Catherine DeGeeter, Warren Bishop. Pediatrics, University of Iowa, Iowa City, IA, USA.
- 598 TYPE I CHOLEDOCHAL CYST PRESENTATION COMPLICATED BY HEREDITARY HEMOCHROMATOSIS. Taylor Woodfin, Gillian Noel. Hepatology, UAB, Birmingham, AL, USA.
- 599 PREVALENCE AND OUTCOMES OF SARCOPENIA IN PEDIATRIC LIVER TRANSPLANTATION. Jessica Woolfson<sup>1</sup>, Manuela Perez<sup>2</sup>, Eberhard Lurz<sup>1</sup>, Claudia Quammie<sup>1</sup>, Derek Stephens<sup>3</sup>, Govind Chavhan<sup>2</sup>, Binita Kamath<sup>1</sup>, Vicky Ng<sup>1,4</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, The Hospital for Sick Children and The University of Toronto, Toronto, ON, Canada; <sup>2</sup>Division of Radiology, The Hospital for Sick Children and The University of Toronto, ON, Canada; <sup>3</sup>Department of Biostatistics, Design and Analysis, The Hospital for Sick Children and The University of Toronto, Toronto, ON, Canada; <sup>4</sup>Division of Transplant and Regenerative Medicine Centre, The Hospital for Sick Children and The University of Toronto, Toronto, ON, Canada.
- CLINICAL SIGNIFICANCE OF AUTOIMMUNE ANTIBODIES IN CHILDREN WITH NON-ALCOHOLIC FATTY LIVER DISEASE. Toshifumi Yodoshi<sup>1</sup>, Sarah Orkin<sup>1</sup>, Syeda Meryum<sup>1</sup>, Ana Catalina Arce-Clachar<sup>1,3</sup>, Kristin Bramlage<sup>1</sup>, Danielle Paquette<sup>2</sup>, Stavra Xanthakos<sup>1,3</sup>, Marialena Mouzaki<sup>1,3</sup>, Pamela Valentino<sup>2</sup>.

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- SARCOPENIA IS ASSOCIATED WITH LIVER DISEASE SEVERITY IN PEDIATRIC NAFLD. Toshifumi Yodoshi<sup>1</sup>, Sarah Orkin<sup>1</sup>, Andrew Trout<sup>2,3</sup>, Syeda Meryum<sup>1</sup>, Ana Catalina Arce-Clachar<sup>1,4</sup>, Kristin Bramlage<sup>1</sup>, Qin Sun<sup>4,5</sup>, Lin Fei<sup>4,5</sup>, Andrew Beck<sup>4,7,8,6</sup>, Stavra Xanthakos<sup>1,4</sup>, Marialena Mouzaki<sup>1,4</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Department of Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>Department of Radiology, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>4</sup>Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>5</sup>Division of Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>7</sup>James M. Anderson Center for Health Systems Excellence, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Division of Hospital Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 602 COST-UTILITY ANALYSIS OF THE TREATMENT OF PAEDIATRIC CHRONIC HEPATITIS C WITH NEW DIRECT-ACTING ANTIVIRALS. Emma Greenaway<sup>1,2</sup>, Alexander Haines<sup>3</sup>, Simon Ling<sup>1,2</sup>, Murray Krahn<sup>3</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, The Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Department of Pediatrics, University of Toronto, Toronto, ON, Canada; <sup>3</sup>Toronto Health Economics and Technology Assessment Collaborative, University of Toronto, Toronto, ON, Canada.

## MICROBIOLOGY/INFECTIONS/PROBIOTICS

- 603 PEDIATRIC PATIENT PRESENTING WITH CHRONIC ABDOMINAL DISTENSION FOUND TO HAVE SARCINA. Sarah Abu-Alreesh, Jeremy King. Pediatrics, University of Hawaii, Honolulu, HI, USA.
- 604 D-LACTIC ACIDOSIS IN CHILDREN WITH SHORT BOWEL SYNDROME-A LITERATURE REVIEW AND REPORT OF TWO CASES. Fat'hiya Al Harthy. Pediatric Gastroenterology, McMaster Children's Hospital, Hamilton, ON, Canada.
- 605 *UNUSUAL ABDOMINAL MASS IN AN ADOLESCENT PATIENT.* Charles Chen, Deborah Goldman. Department of Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA.
- INTESTINAL TUBERCULOSIS: AN UNCOMMON DIAGNOSIS THAT MIMICS CROHN'S DISEASE. Rohit Josyabhatla<sup>1</sup>, Diane Hsu<sup>1</sup>, Melissa Liebling<sup>3</sup>, William Bivin<sup>4</sup>, Sharon D'Mello<sup>2</sup>. <sup>1</sup>Pediatrics, Rutgers NJMS, Hackensack, NJ, USA; <sup>2</sup>Gastroenterology, Hackensack University Medical Center, Hackensack, NJ, USA; <sup>3</sup>Pediatric Radiology, Hackensack University Medical Center, Hackensack, NJ, USA; <sup>4</sup>Pathology, Hackensack University Medical Center, Hackensack, NJ, USA.
- A CASE OF PARASITIC INFECTION OF THE INTESTINAL TRACT: A MISSED DIAGNOSIS IN A TEENAGE PATIENT WITH PRESUMED EOSINOPHILIC ENTERITIS AND COLITIS. Chetan Mandelia<sup>1</sup>, Michael Schmalz<sup>1</sup>, Blanca Gonzalez<sup>2</sup>, Sophia Patel<sup>1</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology & Hepatology, Cleveland Clinic Children's, Cleveland, OH, USA; <sup>2</sup>Pediatric Infectious Diseases, Cleveland Clinic Children's, Cleveland, OH, USA.
- APPENDICULAR MASS WITH INTUSSUSCEPTION: AN UNUSUAL PRESENTATION OF LYMPHOID HYPERPLASIA OF APPENDIX. Pratikkumar Patel<sup>1</sup>, Anam Bashir<sup>2</sup>, Nadia Naumova<sup>3</sup>, Ramanathapura Haricharan<sup>3</sup>. <sup>1</sup>Department of Pediatric Gastroenterology, West Virginia University, Charleston, WV, USA; <sup>2</sup>Pediatrics, West Virginia University, Charleston, WV, USA; <sup>3</sup>Surgery, Charleston Area Medical Center, Charleston, WV, USA.
- 609 ODYNOPHAGIA AS THE INITIAL PRESENTATION OF HIV INFECTION IN A TEENAGER. Brittany Siegel, Ali Khalili, Virginia Baez Socorro. Pediatrics, Rainbow Babies and Children's Hospital, Beachwood, OH, USA.
- 610 PERNICIOUS ANEMIA IN PEDIATRIC AUTOIMMUNE GASTRITIS. John Stone, Nagraj Kasi. Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA.
- 611 GUT MICROBIOTA CHARACTERISTICS IN CHILDREN AFTER THE USE OF PROTON PUMP INHIBITORS. Lila Simakachorn<sup>1</sup>, Suwanee Chanprasertyothin<sup>2</sup>, Supranee Thongpradit<sup>2</sup>, Pornthep Tanpowpong<sup>1</sup>. <sup>1</sup>Pediatrics, Faculty of Medicine Ramathibodi Hospital, Bangkok, Thailand; <sup>2</sup>Office of Research Academic and Innovation, Faculty of Medicine Ramathibodi hospital, Bangkok, Thailand.
- 612 ENDOSCOPIC FINDINGS AND DIAGNOSIS TEST IN H. PYLORI INFECTION IN CHILDREN. Omaha Celestino Perez<sup>1</sup>, Ericka Montijo<sup>1</sup>, Carolina Romo<sup>2</sup>, Ana Lara Ibarra<sup>1</sup>, Josefina Cázares Méndez<sup>1</sup>, Jose Cadena Leon<sup>1</sup>, Erick Toro Monjaraz<sup>1</sup>, Flora Zarate Mondragon<sup>1</sup>, Karen Ignorosa Arellano<sup>1</sup>, Roberto Cervantes Bustamante<sup>1</sup>, Jaime Ramirez Mayans<sup>1</sup>. Pediatric Gastroenterology and Nutrition, Instituto Nacional de

Pediatria, Mexico City, Mexico City, Mexico; <sup>2</sup>Bacterial Experimental Laboratory, Instituto Nacional de Pediatria, Mexico City, Mexico City, Mexico.

- AMEBIC COLITIS IN AN INFANT PRESENTING WITH BLOODY DIARRHEA. Zahra Nouri<sup>1</sup>, Hanh Henry Tran<sup>2</sup>, Jeanne Tung<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA; <sup>2</sup>Pediatric Pathology, The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA.
- 30% ETHANOL-2.8% CITRATE IS AS EFFECTIVE AS 70% ETHANOL IN PREVENTING CATHETER-RELATED BLOODSTREAM INFECTIONS IN PEDIATRIC INTESTINAL FAILURE. Oriana Vanegas Calderon<sup>1</sup>, Riad Rahhal<sup>1,2</sup>.

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#### **NUTRITION AND OBESITY**

- 615 INFANT PRESENTING WITH FAILURE TO THRIVE FOUND TO HAVE RENAL TUBULAR ACIDOSIS. Michael Carver<sup>1</sup>, Ivonne Iglesias<sup>2</sup>, Patricio Arias<sup>2</sup>. <sup>1</sup>Pediatrics, Children's Hospital New Orleans, New Orleans, New Orleans, LA, USA; <sup>2</sup>Gastroenterology, Children's Hospital New Orleans, New Orleans, LA, USA.
- 616 REVERSAL OF INTESTINAL FAILURE-ASSOCIATED LIVER DISEASE IN A PATIENT TREATED WITH SMOFLIPID® (SMOF) AT "FIRST" (FLORIDA INTESTINAL REHABILITATION SUPPORT AND TREATMENT) PROGRAM.

  Melissa Jalil¹, Nicole Molinos², Rebecca Espinosa², Olga Akimov³, Cristhiane Schneider Santos⁴, Michele Markley⁵, Debora Duro⁶. ¹Pediatric Gastroenterology Nurse Practitioner, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ²Department of Graduate Medical Education, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ³Pediatric Clinical Pharmacy Specialist, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ⁴Neonatal Intensive Care Unit Dietician, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ⁵Chief of Pediatric Surgery, Pediatric Trauma Medical Director, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ⁶Program Director of Pediatric Gastroenterology, Hepatology and Nutrition, Medical Director of FIRST, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA.
- 617 SALIVAL CORTISOL COCENTRATION PREDICTS GROWTH AND BODY COMPOSITION IN NEWBORNS. Jesua Villanueva-Hernández¹, Alfredo Larrosa¹, Sebastian Villanueva-Martinez², Edgar Vasquez-Garibay¹, Anel Ibarra-Ortega¹, Jocelyn González-Toribio¹, Perla García-Espinosa¹. ¹Instituto de Nutrición Humana, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico; ²Biología de la Reproducción, Instituto de Ciencias Médicas y Nutrición Salvador Zubirán, Ciudad de México, Ciudad de México, Mexico.
- PREDICTORS OF WEIGHT LOSS AND ATTENDANCE FOR "WAY OF LIFE PROGRAM" IN A PEDIATRIC GASTROENTEROLOGY DIVISION. Gilad Hampel<sup>1</sup>, Carmen Mikhail<sup>1,2</sup>, Manuel Croitoru<sup>3</sup>, Aviva Rogozen<sup>1</sup>, Tamir Miloh<sup>1,2</sup>. <sup>1</sup>GI, Baylor College of Medicine, College Park, MD, USA; <sup>2</sup>GI, Texas Children's Hospital, Houston, TX, USA; <sup>3</sup>Rice University, Houston, TX, USA.
- 619 EARLY OUTCOMES OF 30% ETHANOL LOCK PROTOCOL FOR PREVENTION OF CENTRAL LINE ASSOCIATED BLOODSTREAM INFECTION IN PEDIATRIC PATIENTS UNDERGOING MULTIDISCIPLINARY INTESTINAL

REHABILITATION AT FIRST (FLORIDA INTESTINAL REHABILITATION SUPPORT AND TREATMENT). Anisha Mohandas¹, Melissa Jalil², Alejandro Isava-Quintero³, Debora Duro⁴. ¹Graduate Medical Education, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ²Pediatric Gastroenterology Nurse Practitioner, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ³Pediatric Infectious Disease, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA; ⁴Program Director of Pediatric Gastroenterology and Nutrition, Medical Director of FIRST, Salah Foundation Children's Hospital at Broward Health Medical Center, Fort Lauderdale, FL, USA.

- ANEMIA OF INFLAMMATION IN INTESTINAL FAILURE. Shweta Namjoshi<sup>1</sup>, Christina Farkas<sup>2</sup>, Nicholas Jackson<sup>3</sup>, Laurie Reyen<sup>4</sup>, Pamela Baldivia<sup>4</sup>, Jorge Vargas<sup>1</sup>, Robert Venick<sup>1</sup>, Patricia Weng<sup>2</sup>, Mark Hanudel<sup>2</sup>, Tomas Ganz<sup>5</sup>, Laura Wozniak<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UCLA, Los Angeles, CA, USA; <sup>2</sup>Pediatric Nephrology, UCLA, Los Angeles, CA, USA; <sup>3</sup>Department of Medicine & Biostatistics, UCLA, Los Angeles, CA, USA; <sup>4</sup>Nursing, UCLA, Los Angeles, CA, USA; <sup>5</sup>Medicine & Pathology, UCLA, Los Angeles, CA, USA.
- ROLE OF INFLAMMATION IN CROHN'S DISEASE ON VITAMIN D METABOLISM. Stephanie Oliveira<sup>1</sup>, Xueheng Zhao<sup>2</sup>, Heidi Kalkwarf<sup>1</sup>, Kenneth Setchell<sup>2</sup>, James Heubi<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cincinnati Children's Hospital, Cincinnati , OH, USA; <sup>2</sup>Clinical Mass Spectrometry, Division of Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 622 COMMUNITY SOCIOECONOMIC DEPRIVATION AND NON-ALCOHOLIC FATTY LIVER DISEASE SEVERITY. Sarah Orkin<sup>4</sup>, Cole Brokamp<sup>2,3</sup>, Toshifumi Yodoshi<sup>4</sup>, Syeda Meryum<sup>4</sup>, stuart taylor<sup>5</sup>, Christoper Wolfe<sup>2</sup>, Rachel Sheridan<sup>3,6</sup>, Aradhna Seth<sup>7</sup>, Mohammad Bhuiyan<sup>2</sup>, Sanita Ley<sup>3,8</sup>, Ana Catalina Arce-Clachar<sup>1,4</sup>, Kristin Bramlage<sup>4</sup>, Robert Kahn<sup>3</sup>, Stavra Xanthakos<sup>4,3</sup>, Andrew Beck<sup>5,3,9,10</sup>, Marialena Mouzaki<sup>4,3</sup>. <sup>1</sup>Department of Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Division of Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>Department of Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>4</sup>Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>James M. Anderson Center for Health Systems Excellence, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>6</sup>Division of Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>7</sup>Division of Digestive Diseases, University of Cincinnati, Cincinnati, OH, USA; 8Division of Behavioral Medicine and Clinical Psychology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; 9Division of General and Community Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; 10 Division of Hospital Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- DIETARY HABITS IN 689 INFANTS FROM 0 TO 18 MONTHS IN MEXICO. Carlos Oyervides<sup>1</sup>, Fidel Cardona<sup>2</sup>, Claudia Barajas<sup>3</sup>, Jesus Mellado<sup>4</sup>. <sup>1</sup>Gastroenterologia, Hospital del Niño "Federico Gómez", Saltillo, Coahuila, Mexico; <sup>2</sup>Pediatria, Hospital del Niño Federico Gomez, Saltillo, Coahuila, Mexico; <sup>3</sup>Enfermeria, Hospital del Niño federico Gomez, Saltillo, Coahuila, Mexico; <sup>4</sup>Facultd de Mercadotecnia, Universidad Autonoma de Coahuila, Saltillo, Coahuila, Mexico.
- 624 ATTITUDES REGARDING BMI IN PARENTS OF SCHOOL-AGED CHILDREN. Mora Puertolas<sup>1</sup>, Amanda Fifi<sup>2</sup>.

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- 625 COST-EFFECTIVENESS OF PARENTERAL OR ENTERAL IRON SUPPLEMENTATION IN CHILDREN WITH INTESTINAL FAILURE: A MICROSIMULATION STUDY. Vikram Raghu<sup>1</sup>, Jeffrey Rudolph<sup>1</sup>, Hawre Jalal<sup>3</sup>,

Kenneth Smith<sup>2</sup>. <sup>1</sup>Pediatrics, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Medicine, University of Pittsburgh, Pittsburgh, PA, USA; <sup>3</sup>Health Policy and Management, University of Pittsburgh, Pittsburgh, PA, USA.

- \*626 COST-EFFECTIVENESS OF TEDUGLUTIDE IN PEDIATRIC PATIENTS WITH INTESTINAL FAILURE USING MARKOV MODELING. Vikram Raghu<sup>1</sup>, Jeffrey Rudolph<sup>1</sup>, Kenneth Smith<sup>2</sup>. <sup>1</sup>Pediatrics, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Medicine, University of Pittsburgh, Pittsburgh, PA, USA.
- 627 *NITROUS OXIDE AND VITAMIN B12 DEFICIENCY: NO LAUGHING MATTER.* Sharmistha Rudra<sup>1</sup>, Sarah Steinmetz<sup>1</sup>, Dennis Jablonka<sup>2</sup>, Christopher Liacouras<sup>1</sup>, Asim Maqbool<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Anesthesiology and Critical Care, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- A WEIGHTY RISK FACTOR FOR OBESITY: ANTIHISTAMINE USE IN A SINGLE CENTER STUDY. Michelle Saad<sup>1</sup>, Anatoliy Gashev<sup>3</sup>, Vera Okwu<sup>2</sup>, Ashok Jain<sup>2</sup>, Maheen Ilyas<sup>2</sup>, Sabeen Syed<sup>2</sup>. <sup>1</sup>Department of Medical Education, Driscoll Children's Hospital- Texas A&M College of Medicine, Corpus Christi, TX, USA; <sup>2</sup>Gastroenterology, Driscoll Children's Hospital, Corpus Christi, TX, USA; <sup>3</sup>Texas A&M Health Science Center, Killeen/Temple, TX, USA.
- THE EMERGING BATTLE: LYSOSOMAL ACID LIPASE DEFICIENCY VERSUS FAMILIAL
  HYPERCHOLESTEROLEMIA. Michelle Saad<sup>1</sup>, Vera Okwu<sup>2</sup>, Ashok Jain<sup>2</sup>, Sabeen Syed<sup>2</sup>. <sup>1</sup>Department of
  Medical Education, Driscoll Children's Hospital- Texas A&M College of Medicine, Corpus Christi, TX, USA;
  <sup>2</sup>Department of Gastroenterology, Driscoll Children's Hospital, Corpus Christi, TX, USA.
- 630 TO EAT OR NOT TO EAT: IS FOOD INSECURITY PREVALENT IN HOUSEHOLDS WITH CHILDREN EXPERIENCING FEEDING DIFFICULTIES? Amy Dean, Goldie Markowitz, Christine Sullivan, Anne Marie Florio, Andrea Mattie. Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- BLENDERIZED GASTROSTOMY FEEDING (BGF) ENHANCES ENTERAL TOLERANCE IN CHILDREN WITH SHORT BOWEL SYNDROME (SBS). John Thompson, Amanda Abou-Fadel, Macy Carobene, Irina Strogach. Division of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital at Montefiore, Bronx, NY, USA.
- 632 PROTEIN-LOSING ENTEROPATHY IN THE SETTING OF IRON DEFICIENCY ANEMIA: A CASE SERIES. Michaela Tracy, Jessica Yasuda, Paul Rufo. Gastroenterology, Boston Children's Hospital, Boston, MA, USA.
- \*633 A COMPARISON OF TWO GLUCAGON LIKE PEPTIDE 2 ANALOGUES IN NEONTAL PIGLET MODELS OF SHORT BOWEL SYNDROME WITHOUT ILEUM. Justine Turner<sup>1</sup>, Pamela Wizzard<sup>1</sup>, Mirielle Pauline<sup>1</sup>, Tong Wu<sup>1</sup>, Nation Patrick<sup>2</sup>, Violetta Dimitriadou<sup>3</sup>, Paul Wales<sup>4,1</sup>. <sup>1</sup>Pediatrics, University of Alberta, Edmonton, AB, Canada; <sup>2</sup>Anatomical Pathology, University of Alberta, Edmonton, AB, Canada; <sup>3</sup>Therachon AG, Basel, Switzerland; <sup>4</sup>General and Thoracic Surgery, Hospital for Sick Children and Research Institute, University of Toronto, Toronto, ON, Canada.
- 634 EVALUATION OF IRON-DEFICIENCY ANEMIA TREATMENT IN INTESTINAL FAILURE PATIENTS ON PARENTERAL NUTRITION. Anna Tuttle<sup>1,2</sup>, Iris Jo<sup>2,3</sup>, Annebel Dahlberg<sup>2</sup>, Corkins Mark<sup>2,3</sup>, Linda Lazar<sup>2,3</sup>, Anushree Algotar<sup>2,3</sup>. <sup>1</sup>Nutrition Therapy, Le Bonheur Children's Hospital, Memphis, TN, USA; <sup>2</sup>Division of

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- \*635 ACCESIBLE-OMICS: CREATION OF A SMALL INTESTINAL SCRNA TRANSCRIPTIONAL ATLAS OF ENVIRONMENTAL ENTEROPATHY PATIENTS IN A DEVELOPING WORLD SETTING DEMONSTRATES SUBSTANTIAL CHANGES IN TUFT CELL ACTIVITY AND INTESTINAL EPITHELIAL CELLULAR ENVIRONMENT. Thomas Wallach<sup>1</sup>, Conner Kummerlowe<sup>5</sup>, Travis Hughes<sup>6</sup>, Zev Gartner<sup>2</sup>, Alex Shalek<sup>6</sup>, Paul Kelly<sup>3,4</sup>.

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- \*636 LACTOFERRIN PROMOTES EPITHELIAL BARRER FUNCTION BY INHIBITING TGF-8 MEDIATED EPITHELIAL TO MESENCHYMAL TRANSITION. Thomas Wallach¹, Vasudha Srivastava², Efren Reyes³, Zev Gartner²,4,5.

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- MONITORING TRENDS IN LIVER FUNCTION, NUTRITIONAL SUPPORT, AND GROWTH IN PATIENTS WITH INTESTINAL FAILURE TREATED WITH SMOFLIPID® AT "FIRST" (FLORIDA INTESTINAL REHABILITATION SUPPORT AND TREATMENT) PROGRAM. Jessica Wassef¹, Melissa Jalil², Elizabeth Lipkin³, Debora Duro⁴.

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- 638 INFANT FORMULA DESIGNED TO PROMOTE STOOL SOFTENING IS WELL-TOLERATED AND ASSOCIATED WITH SOFTER AND MORE FREQUENT STOOLS IN INFANTS WITH STOOLING DIFFICULTY. Steven Wu<sup>1</sup>, Cheryl Harris<sup>1</sup>, Kelly Walsh<sup>2</sup>, Jennifer Wampler<sup>1</sup>, Weihong Zhuang<sup>1</sup>. <sup>1</sup>Clinical Research, Mead Johnson Nutrition, Evansville, IN, USA; <sup>2</sup>Nutrition Science, Mead Johnson Nutrition, Evansville, IN, USA.
- \*639 AN OLD DISEASE WITH NEW FACES: SCURVY IN THE ERA OF RESTRICTED DIETARY PRACTICES. Sanu Yadav², Nawras Habash², Julie Cernanec¹, Kadakkal Radhakrishnan², Ahsan Moosa Naduvil Valappil³, Sirada Panupattanapong⁴. ¹Pediatrics, Cleveland Clinic, Cleveland, OH, USA; ²Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; ³Pediatric Epilepsy, Cleveland Clinic, Cleveland, OH, USA; ⁴Pediatric Rheumatology, Cleveland Clinic, Cleveland, OH, USA.
- 640 INTESTINAL MICROBIAL ABUNDANCE IS ASSOCIATED WITH OBESITY-RELATED EATING BEHAVIORS IN ADOLESCENTS. Yanjia Zhang, Camilla Richmond. Gastroenterology, Boston Children's Hospital, Boston, MA, USA.

#### PANCREAS/CELIAC/MALABSORPTION

- PERSPECTIVES OF GASTROINTESTINAL CARE IN MULTIDISCIPLINARY CYSTIC FIBROSIS CLINICS. Meghana Sathe<sup>1</sup>, Baha Moshiree<sup>2</sup>, Steven Freedman<sup>3</sup>, Sonya Heltshe<sup>4</sup>, Umer Khan<sup>4</sup>, Sarah Jane Schwarzenberg<sup>5</sup>, Carmen Ufret-Vincenty<sup>4</sup>, Alvin Freeman<sup>6</sup>. <sup>1</sup>Pediatric Gastroenterology, UTSW / Children's Health, Dallas, TX, USA; <sup>2</sup>University of North Carolina, Atrium Health, Charlotte, NC, USA; <sup>3</sup>Beth Israel Deaconess Medical Center, Boston, MA, USA; <sup>4</sup>TDNCC, Seattle, WA, USA; <sup>5</sup>University of Minnesota, Minneapolis, MN, USA; <sup>6</sup>Emory University School of Med/Children's Healthcare of Atlanta, Atlanta, GA, USA.
- 642 IMPACT OF ACUTE PANCREATITIS ORDER SET IMPLEMENTATION ON PEDIATRIC CLINICAL OUTCOMES.

  Meera Shah<sup>1</sup>, Traci Leong<sup>2</sup>, Alvin Freeman<sup>3</sup>. <sup>1</sup>Pediatrics, Emory University, Atlanta, GA, USA; <sup>2</sup>Rollins
  School of Public Health, Emory University, Atlanta, GA, USA; <sup>3</sup>Department of Pediatric Gastroenterology,
  Hepatology and Nutrition, Emory University, Atlanta, GA, USA.
- NORMATIVE VALUES FOR POTENTIAL NECROTIZING ENTEROCOLITIS BIOMARKERS ACROSS GESTATIONAL AGES. Darla Shores<sup>1</sup>, Jennifer Fundora<sup>2</sup>, Mitzi Go<sup>3</sup>, Fauzia Shakeel<sup>3</sup>, Sandra Brooks<sup>3</sup>, David Hackam<sup>4</sup>, Allen Everett<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>Pediatrics, Johns Hopkins, Baltimore, MD, USA; <sup>3</sup>Pediatrics, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA; <sup>4</sup>Pediatric Surgery, Johns Hopkins, Baltimore, MD, USA.
- 644 DERMATITIS HERPETIFORMIS IN CHILDHOOD AND LINKING DERMOPATHY TO ENTEROPATHY. Lydia Ramharack, Aisha Sattar, Lionola Juste, Arunjot Singh. Pediatric Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- THE IMPACT OF A MULTIDISCIPLINARY CELIAC DISEASE CLINIC ON PATIENT COMPLIANCE. Arunjot Singh, Yuchen Zhang, Lydia Ramharack, Lionola Juste, Patricia Bierly, Lisa Fahey, Ann Farrara, Kara Feigenbaum, Karen Hlywiak, Janel Steinhoff, David Piccoli. Pediatric Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 646 MUTANT EPCAM ACTIVATES THE UNFOLDED PROTEIN RESPONSE IN MURINE MODEL OF CONGENITAL TUFTING ENTEROPATHY. Barun Das², Kevin Okamoto², John Rabalais², Maho Niwa³, Soumita Das⁴, Mamata Sivagnanam¹. ¹Pediatrics, UCSD/Rady Children¹s Hospital, La Jolla, CA, USA; ²Pediatrics, UCSD, La Jolla, CA, USA; ³Biology, UCSD, La Jolla, CA, USA; ⁴Pathology, UCSD, La Jolla, CA, USA.
- CELIAC KIDS INTERNET DIET SURVEY (CELIACKIDS): A MULTICENTER CONSORTIUM USING THE MODIFIED DELPHI METHOD TO CREATE A GLUTEN EXPOSURE ASSESSMENT TOOL. Mary Shull<sup>2</sup>, Marisa Stahl<sup>2</sup>, Hilary Jericho<sup>3</sup>, Vanessa Weisbrod<sup>4</sup>, Daniel Mallon<sup>5</sup>, Norelle Reilly<sup>6</sup>, Maureen Leonard<sup>7</sup>, Absah Imad<sup>8</sup>, Tracy Ediger<sup>9</sup>, Dale Lee<sup>11</sup>, Ritu Verma<sup>3</sup>, Edwin Liu<sup>1</sup>, Benny Kerzner<sup>4</sup>, Amy Hale<sup>10</sup>, Jocelyn Silvester<sup>10</sup>.

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- MEASURES OF HEALTHY PANCREATIC SIZE IN PEDIATRICS. Andrew Trout<sup>1,2,3</sup>, Brendan McCleary<sup>1</sup>, Jonathan Dillman<sup>1,2</sup>, Lin Fei<sup>4</sup>, Qin Sun<sup>4</sup>, Maisam Abu-El-Haija<sup>5,3</sup>. <sup>1</sup>Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Radiology, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>3</sup>Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>4</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- AN EVALUATION OF PANCREATIC FUNCTIONS IN CASES OF PRIMARY AND SECONDARY MALNUTRITION.
  Gokhan Tumgor<sup>1</sup>, Mahmut Tuluce<sup>1</sup>, Sibel Yavuz<sup>1</sup>, Mehmet Agin<sup>1</sup>, Salih Cetiner<sup>2</sup>. <sup>1</sup>Ped. Gastroenterology, Cukurova University Medical Faculty, Adana, Turkey; <sup>2</sup>Medical Microbiology, Cukurova University Medical Faculty, Adana, Turkey.
- 650 INTERNATIONAL STUDY GROUP OF PEDIATRIC PANCREATITIS: IN SEARCH FOR A CURE (INSPPIRE 2) COHORT STUDY: DESIGN AND RATIONALE FROM THE CONSORTIUM FOR THE STUDY OF CHRONIC PANCREATITIS, DIABETES, AND PANCREATIC CANCER (CPDPC). Aliye Uc1, Savitri Appana2, Maisam Abu-El-Haija<sup>3</sup>, Bradley Barth<sup>4</sup>, Melena Bellin<sup>5</sup>, Kate Ellery<sup>6</sup>, Douglas Fishman<sup>7</sup>, Cheryl Gariepy<sup>8</sup>, Matthew Giefer<sup>9</sup>, Praveen Goday<sup>10</sup>, Tanja Gonska<sup>11</sup>, Mel Heyman<sup>12</sup>, Sohail Husain<sup>13</sup>, Asim Maqbool<sup>14</sup>, Maria Mascarenhas<sup>14</sup>, Brian McFerron<sup>15</sup>, Veronique Morinville<sup>16</sup>, Tom Lin<sup>3</sup>, Quin Liu<sup>17</sup>, Jaimie Nathan<sup>3</sup>, Keith Ooi<sup>18</sup>, Emily Perito<sup>12</sup>, John Pohl<sup>19</sup>, Sarah Jane Schwarzenberg<sup>5</sup>, Zachary Sellers<sup>13</sup>, Jose Serrano<sup>20</sup>, Uzma Shah<sup>21</sup>, David Troendle<sup>4</sup>, Michael Wilschanski<sup>22</sup>, Yuhua Zheng<sup>23</sup>, Ying Yuan<sup>2</sup>, Mark Lowe<sup>24</sup>. <sup>1</sup>Stead Family Department of Pediatrics, University of Iowa, Iowa City, IA, USA; <sup>2</sup>The University of Texas M.D. Anderson Cancer Center, Houston, TX, USA; 3Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; 4Children's Health/UT Southwestern Medical Center, Dallas, TX, USA; <sup>5</sup>University of Minnesota, Minneapolis, MN, USA; <sup>6</sup>Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, USA; <sup>7</sup>Texas Children's Hospital, Houston, TX, USA; 8Nationwide Children's Hospital, Columbus, OH, USA; 9Seattle Children's Hospital, Seattle, WA, USA; <sup>10</sup>Medical College of Wisconsin, Milwaukee, WI, USA; <sup>11</sup>The Hospital for Sick Children, Toronto, ON, Canada; <sup>12</sup>UCSF, San Francisco, CA, USA; <sup>13</sup>Stanford University, Palo Alto, CA, USA; <sup>14</sup>CHOP, Philadelphia, PA, USA; <sup>15</sup>Indiana University, Indianapolis, IN, USA; <sup>16</sup>Montreal Children's Hospital, Montreal, QC, Canada; <sup>17</sup>Cedars-Sinai Medical Center, Beverly Hills, CA, USA; <sup>18</sup>Sydney Children's Hospital, Sydney, New South Wales, Australia; <sup>19</sup>Primary Children's Hospital, Salt Lake City, UT, USA; <sup>20</sup>NIH/NIDDK, Bethesda, MD, USA; <sup>21</sup>MGH Children's Hospital, Boston, MA, USA; <sup>22</sup>Hadassah University Hospital, Jerusalem, Israel; <sup>23</sup>CHLA, Los Angeles, CA, USA; <sup>24</sup>Washington University, St Louis, MO, USA.
- SPINK1 DEFICIENCY IN A FERRET MODEL LEADS TO EXOCRINE PANCREATIC DISEASE AND GLYCEMIC DEFECTS EARLY IN LIFE. Xingshen Sun², Yaling Yi², Bo Liang², Yang Yu², Qing Yang², Katherine Gibson-Corley³, Andrew Norris¹,4,5, John Engelhardt²,4, Aliye Uc¹,4,6. ¹Stead Family Department of Pediatrics, University of Iowa, Iowa City, IA, USA; ²Anatomy and Cell Biology, University of Iowa, Iowa City, IA, USA; ³Pathology, University of Iowa, Iowa City, IA, USA; ⁴Fraternal Order of Eagles Diabetes Research Center, Iowa City, IA, USA; ⁵Biochemistry, University of Iowa, Iowa City, IA, USA; ⁶Radiation Oncology, University of Iowa, Iowa City, IA, USA.
- 652 GASTRIC VOLVULUS PRESENTING WITH PANCREATITIS: A RARE DIAGNOSIS WORTH ADDING TO THE DIFFERENTIAL. Doris Valenzuela Araujo<sup>1</sup>, Yasemen Eroglu<sup>2</sup>, Henry Lin<sup>2</sup>. <sup>1</sup>School of Medicine, Oregon Health & Science University, Portland, OR, USA; <sup>2</sup>Division of Pediatric Gastroenterology, Doernbecher Children's Hospital, PORTLAND, OR, USA.
- 653 AN UNUSUAL LUNG MASS OF HETEROTOPIC PANCREATIC TISSUE IN A NEONATE WITH HIGH IMMUNOREACTIVE TRYPSINOGEN ON NEWBORN SCREEN. Ellen Wagner<sup>1</sup>, Anita Rao<sup>1</sup>, Minna Wieck<sup>2</sup>,

- Manish Raiji<sup>2</sup>, Ruba Azzam<sup>1</sup>. <sup>1</sup>Pediatrics, University of Chicago, Chicago, IL, USA; <sup>2</sup>Surgery, University of Chicago, Chicago, IL, USA.
- 654 CHENODEOXYCHOLIC ACID INDUCES ENTEROCYTE PROLIFERATION VIA AN FXR-FGF15/19-DIET1
  MEDIATED MECHANISM. Linda Wang<sup>1</sup>, Rosa-Maria Salazar-Gonzalez<sup>1</sup>, Ajay Jain<sup>2</sup>, Jasdeep Bhattarjee<sup>1</sup>,
  Karen Reue<sup>3</sup>, Rohit Kohli<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA,
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  Center, Saint Louis University, St. Louis, MO, USA; <sup>3</sup>Human Genetics, UCLA, Los Angeles, CA, USA.
- A RARE CASE OF BONE MARROW SUPPRESSION ASSOCIATED WITH CELIAC DISEASE. Ashleigh Watson<sup>2</sup>, Mariko Suchi<sup>3</sup>, Julie Kolinski<sup>4</sup>, Abdul Elkadri<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>2</sup>Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>3</sup>Pathology, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>4</sup>Hospital Medicine, Medical College of Wisconsin, Milwaukee, WI, USA.
- A QUANTITATIVE ANALYSIS OF GLUTEN CONTAMINATION IN EVERYDAY SCHOOL SUPPLIES AND CAFETERIAS AS A CONCERN FOR CHILDREN WITH CELIAC DISEASE. Vanessa Weisbrod<sup>1</sup>, Catherine Raber<sup>1</sup>, Benny Kerzner<sup>1</sup>, William Suslovic<sup>2</sup>, Joyana McMahon<sup>1</sup>, Blair Raber<sup>1</sup>, Shayna Coburn<sup>1</sup>. <sup>1</sup>Gastroenterology Celiac Disease Program, Children's National Medical Center, Washington, , USA; <sup>2</sup>Genetics, Children's National Medical Center, Washington, , USA.
- 657 PANCREATIC CYSTOSIS: CASE PRESENTATION AND REVIEW OF LITERATURE. Denise Young, Ramy Sabe, Senthilkumar Sankararaman, Thomas Sferra. Pediatric Gastroenterology, Hepatology and Nutrition, University Hospitals / Rainbow Babies and Children's Hospital, Cleveland, OH, USA.
- 658 CELIAC CRISIS: A RARE BUT SERIOUS PRESENTATION OF FAILURE TO THRIVE. Jocelyn Young, Nicholas Gianaris, Kelly Haas, Sunpreet Kaur, Daphne Say. Pediatrics, University of California, Davis, Sacramento, CA, USA.
- 659 ENHANCING DIAGNOSTIC YIELD: A TEAM-BASED APPROACH FOR TISSUE DIAGNOSIS IN PEDIATRIC AUTOIMMUNE PANCREATITIS. Ke-You Zhang, Roberto Gugig, Zachary Sellers. Pediatric Gastroenterology, Hepatology, and Nutrition, Stanford University, Palo Alto, CA, USA.
- THE VALUE OF BREATH TEST IN THE DIAGNOSIS OF FRUCTOSE MALABSORPTION AS A CAUSE OF RECURRENT ABDOMINAL PAIN IN CHILDREN. Yanjia Zhang¹, Rosemary Pauley², Ariel Young², Sharad Kunath², Jon Vanderhoof¹. ¹Gastroenterology, Boston Children's Hospital, Boston, MA, USA; ²Boys Town National Research Hospital, Omaha, NE, USA.
- 661 PICA AND FOOD AVERSION AS AN INITIAL PRESENTATION OF CELIAC DISEASE IN A 3-YEAR-OLD-FEMALE.

  Lynsey Zuar, Aliza Solomon. Pediatric Gastroenterology, New York Presbyterian Cornell, Lindenhurst, NY,

  USA.

Saturday, October 19, 2019 2:00pm – 3:30pm

# TRAIN THE PEDIATRIC ENDOSCOPY TRAINER WORKSHOP

Streeterville Level 3

Organizers: Douglas Fishman, MD, FASGE, Texas Children's Hospital and Catharine Walsh, MD, MEd, PhD, FRCPC, The Hospital for Sick Children

Saturday, October 19, 2019 2:00pm – 3:30pm

## PROFESSIONAL DEVELOPMENT WORKSHOP: EFFECTIVE COMMUNICATION

Chicago 9 Level 4

Moderators: Gitit Tomer, MD, Children's Hospital at Montefiore and Kimberly Chien, MD, New York Presbyterian Weill Cornell Medical Center

# 2:00pm "WE NEED TO TALK...."STRATEGIES FOR DIFFICULT CONVERSATIONS

Binita Kamath, MD, MBBChir, MRCP, The Hospital for Sick Children

- Objectives:
- To identify, anticipate and prepare for a difficult conversation
- To consider strategies that will help navigate a difficult conversation
- To raise awareness of common pitfalls in difficult conversations

## 2:20pm HEART OVER MIND: EQ VS IQ

Rina Sanghavi, MD, Children's Medical Center of Dallas Objectives:

- Understand what emotional intelligence is and how it differs from IQ
- Understand the importance of EQ in developing leadership skills
- Tools for evaluating your EQ
- Tools for increasing your EQ

# 2:40pm COMMUNICATE WITH THE OPPOSITION: CONFLICT RESOLUTION

Mitchell B Cohen, MD, UAB/Children's of Alabama

## Objectives:

- Appreciate that the desire to preserve artificial harmony stifles the occurrence of productive, ideological conflict
- Identify several types of conflict
- Obtain practical skills in Conflict Resolution

## 3:00pm NEGOTIATION EXAMPLE AND DISCUSSION

Saturday, October 19, 2019 2:00pm – 3:30pm

#### **UPPER GI INTERVENTIONS**

Sheraton – 4-5 Level 4

Moderators: Kenneth Ng, DO, Johns Hopkins Children's Center and Inna Novak, MD, The Children's Hospital at Montefiore

## 2:00pm

ENDOSCOPIC INTERVENTIONS FOR UPPER GASTROINTESTINAL MOTILITY AND FUNCTIONAL DISORDERS

Leonel Rodriguez, MD, MS, Yale University Objectives:

- Discuss available endoscopic procedures for upper gastrointestinal motility and functional disorders
- Discuss endoscopic procedures for upper gastrointestinal motility disorders: indications, outcomes and complications
- Familiarize with new endoscopic procedures for upper gastrointestinal motility and functional disorders

## 2:25pm

662 COMPARISON OF CURRENT DETECTION MODALITIES FOR RECURRENT TRACHEOESOPHAGEAL FISTULAE WITH A NOVEL METHOD: RISE IN END TIDAL CARBON DIOXIDE DURING ESOPHAGOSCOPY WITH CARBON DIOXIDE INSUFFLATION. Jessica Yasuda<sup>1</sup>, Steven Staffa<sup>2</sup>, Russell Jennings<sup>3</sup>, Peter Ngo<sup>1</sup>, Michael Manfredi<sup>1</sup>. <sup>1</sup>GI, Boston Children's Hospital / Harvard, Boston, MA, USA; <sup>2</sup>Anesthesia, Boston Children's Hospital / Harvard, Boston, MA, USA; <sup>3</sup>Surgery, Boston Children's Hospital / Harvard, Boston, MA, USA.

## 2:37pm

ADVANCES IN ESOPHAGITIS: ENDOSCOPIC AND SURGICAL Michael Manfredi, MD, Boston Children's Hospital Objectives:

- Discuss current endoscopic interventions for the management of gastroesophageal reflux
- Discuss current minimally invasive surgery for the management of gastroesophageal reflux
- Discuss the utility of these techniques in children

### NASPGHAN ENDOSCOPY PRIZE

3:02pm

663 DEVELOPING AN INTERNATIONAL CONSENSUS ON QUALITY STANDARDS AND INDICATORS FOR PEDIATRIC ILEOCOLONOSCOPY: A REPORT FROM THE PEDIATRIC ENDOSCOPY QUALITY IMPROVEMENT NETWORK (PENQUIN). Catharine Walsh<sup>1</sup>, Jenifer Lightdale<sup>2</sup>, David Mack<sup>3</sup>, Jorge Amil-Dias<sup>26</sup>, Patrick Bontems<sup>4</sup>, Herbert Brill<sup>8,25</sup>, Nick Croft<sup>5,6</sup>, Douglas Fishman<sup>7</sup>, Raoul Furlano<sup>9</sup>, Peter Gillett<sup>10</sup>, Iva Hojsak<sup>11</sup>, Matjaz Homan<sup>12</sup>, Hien Huynh<sup>13</sup>, Kevan Jacobson<sup>14</sup>, Diana Lerner<sup>15</sup>, Quin Liu<sup>16</sup>, Petar Mamula<sup>17</sup>, Priya Narula<sup>18</sup>, Salvatore Oliva<sup>19</sup>, Joel Rosh<sup>20</sup>, Marta Tavares<sup>21</sup>, Elizabeth Utterson<sup>22</sup>, Veronik Connan<sup>23</sup>, Mike Thomson<sup>24</sup>, PEnQuIN Investigators<sup>27</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, Child Health Evaluative Sciences, Hospital for Sick Children, University of Toronto, Toronto, ON, Canada; <sup>2</sup>Department of Pediatrics, Division of Gastroenterology and Nutrition, UMass Memorial Children's Medical Center, Worcester, MA, USA; <sup>3</sup>Department of Pediatrics, Children's Hospital of Eastern Ontario and University of Ottawa, Ottawa, ON, Canada; <sup>4</sup>Paediatric Gastroenterology Uni, Hôpital Universitaire des Enfants Reine Fabiola, Université Libre de Bruxelles, Brussels, Belgium; <sup>5</sup>Barts

and the London School of Medicine, Queen Mary University of London, London, United Kingdom; <sup>6</sup>Royal London Children's Hospital, Barts Health NHS Trust, London, United Kingdom; <sup>7</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>8</sup>Department of Pediatrics, Faculty of Health Sciences, McMaster University, Hamilton, ON, Canada; <sup>9</sup>Department of Pediatric Gastroenterology and Nutrition, University Children's Hospital, Basel, Switzerland; <sup>10</sup>Paediatric Gastroenterology, Hepatology and Nutrition (PGHAN) Department, RHCYP, Edinburgh, Scotland, United Kingdom; <sup>11</sup>Children's Hospital Zagreb, University of Zagreb School of Medicine, University J.J. Strossmayer School of Medicine, Osijek, Croatia; <sup>12</sup>Department of Gastroenterology, Hepatology, and Nutrition, University Children's Hospital, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia; <sup>13</sup>Division of Pediatric GI and Nutrition, Department of Pediatrics, Stollery Children's Hospital, University of Alberta, Edmonton, AB, Canada; <sup>14</sup>Division of Gastroenterology, Hepatology and Nutrition, British Columbia's Children's Hospital and British Columbia Children's Hospital Research Institute, University of British Columbia, Vancouver, BC, Canada; <sup>15</sup>Department of Pediatrics, Section of Gastroenterology, Hepatology, and Nutrition, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>16</sup>Cedars-Sinai Medical Center, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA; <sup>17</sup>Division of Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>18</sup>Department of Paediatric Gastroenterology, Sheffield Children's Hospital, Western Bank, Sheffield, United Kingdom; <sup>19</sup>Maternal and Child Department, Pediatric Gastroenterology and Liver Unit, Sapienza University of Rome, Roma, Italy; <sup>20</sup>Division of Gastroenterology, Hepatology and Nutrition, Goryeb Children's Hospital, Morristown, NJ, USA; <sup>21</sup>Pediatric Gastroenterology Unit, Centro Materno Infantil do Norte, Centro Hospitalar Universitário do Porto, Porto, Portugal; <sup>22</sup>Department of Pediatrics, Division of Pediatric Gastroenterology and Nutrition, Washington University School of Medicine, St. Louis, MO, USA; <sup>23</sup>Child Health Evaluative Sciences, Hospital for Sick Children, Toronto, ON, Canada; <sup>24</sup>International Academy for Paediatric Endoscopy Training, Sheffield Children's Hospital, Weston Bank, Sheffield, United Kingdom; <sup>25</sup>Department of Pediatrics, William Osler Health System, Brampton, ON, Canada; <sup>26</sup>Department of Pediatrics, Centro Hospitalar Universitário S. João, Porto, Portugal; <sup>27</sup>NASPGHAN and ESPGHAN, Ambler, PA, USA.

Saturday, October 19, 2019 2:00pm – 3:30pm

#### MANAGEMENT OF CHRONIC PANCREATITIS

Chicago 10 Level 4

Moderators: Maisam Abu-El-Haija, MD, Cincinnati Children's Hospital Medical Center and Quin Liu, MD, Cedars-Sinai Medical Center

## 2:00pm

DEBATE: ERCP FOR CHRONIC PANCREATITIS: WHEN ENOUGH IS ENOUGH David Troendle, MD, University of Texas Southwestern Medical School Objectives:

- When should ERCP be offered to pediatric patients with chronic pancreatitis
- What is the role of pancreatic stenting in pediatric chronic pancreatitis
- Understand the utility of various techniques that can augment ERCP in the treatment of pediatric chronic pancreatitis

VS.

SURGICAL MANAGEMENT: WHEN ENOUGH IS NOT ENOUGH Sarah Jane Schwarzenberg, MD, University of Minnesota Amplatz Children's Hospital Objectives:

- Understand indications for surgery in chronic pancreatitis
- Review options for surgery in chronic pancreatitis

#### NASPGHAN FOUNDATION/ABBOTT NUTRITION ADVANCED FELLOWSHIP TRAINING IN PEDIATRIC NUTRITION

2:30pm

COMPARISON OF MULTIPLE INDICES OF FAT AND ENERGY ABSORPTION IN PEOPLE WITH CHRONIC PANCREATITIS WITH A HEALTH COMPARISON GROUP Hillary Bashaw, MD, Children's Hospital of Philadelphia

2:42pm

PSYCHOSOCIAL TREATMENTS FOR MANAGEMENT OF PAIN IN CHRONIC PANCREATITIS ACROSS THE LIFESPAN

Tonya Palermo, PhD, Seattle Children's Hospital Objectives:

- Understand biopsychosocial processes that underlie the development of chronic pain
- Review evidence for psychosocial treatments for chronic pain across the lifespan
- Apply psychosocial pain treatment to individuals with chronic pancreatitis pain

3:07pm

664 CLINICAL OUTCOMES FOLLOWING THERAPEUTIC ERCP IN CHILDREN WITH PANCREAS DIVISUM. Tom Lin<sup>1</sup>, Sagar Pathak<sup>2</sup>, David Vitale<sup>1</sup>, Jaimie Nathan<sup>3</sup>, Maisam Abu-El-Haija<sup>1</sup>. 
<sup>1</sup>Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; 
<sup>2</sup>Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; 
<sup>3</sup>Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.

Saturday, October 19, 2019 2:00pm – 3:30pm

#### WHAT, WHEN AND HOW OF MANOMETRY IN GASTROINTESTINAL DYSMOTILIY?

Chicago 6-7 Level 4

Moderators: Desale Yacob, MD, Nationwide Children's Hospital and Kristin Fiorino, MD, Children's Hospital of Philadelphia

## 2:00pm COLONIC MANOMETRY

Jaime Belkind-Gerson, MD, MSc, Children's Hospital Colorado Objectives:

- To understand functional and manometric differences from right vs left colon.
- To understand the predictive value of an abnormal global and segmental colonic manometries.
- To learn which manometric abnormality patterns could be reversible by chronic colonic irrigation.

#### **NEUROGASTROENTEROLOGY AND MOTILITY PRIZE**

2:25pm

665 PROSPECTIVE STUDY EVALUATING THE CORRELATION BETWEEN COLON MOTILITY AND THE TISSUE NEUROTRANSMITTER GENE EXPRESSION. Leonel Rodriguez, Kitzia Colliard, Benjamin Sallis, Edda Fiebiger, Samuel Nurko. Gastroenterology, Children's Hospital Boston, Boston, MA, USA.

2:37pm

ANTRODUODENAL MANOMETRY. HELPFUL OR JUST A FANCY TEST? Jose Garza, MD, Children's Center for Digestive Healthcare, LLC Objectives:

- Describe antroduodenal manometry testing
- Identify key indications for testing
- Understand how antroduodenal manometry can be useful in clinical practice

3:02pm

666 EARLY-LIFE ADVERSITY RESULTS IN DIFFERENCES IN ENTERIC NERVOUS SYSTEM DEVELOPMENT AND GI MOTILITY. Kimberly Law<sup>1</sup>, Andrew Del Colle<sup>1</sup>, Moneek Madra<sup>1,2</sup>, Narek Israelyan<sup>1,3</sup>, Kara Margolis<sup>1</sup>. <sup>1</sup>Pediatrics, Columbia University Medical Center, New York, NY, USA; <sup>2</sup>Institute of Human Nutrition, Columbia University Medical Center, New York, NY, USA; <sup>3</sup>Columbia University Vagelos College of Physician and Surgeons, New York, NY, USA.

Saturday, October 19, 2019 3:30pm – 5:15pm

#### NON-INVASIVE MARKERS OF HEPATIC FIBROSIS

Chicago 9 Level 4

Moderators: Shikha Sundaram, MD, Children's Hospital Colorado and Niviann Blondet, MD, Seattle Children's Hospital

3:45pm

WORTH A THOUSAND WORDS: APPROACHES IN NON-INVASIVE IMAGING OF HEPATIC FIBROSIS Christine Lee, MD, Boston Children's Hospital Objectives:

- Understand how different imaging modalities estimate liver fibrosis
- Acknowledge the advantages/ disadvantages of various imaging techniques
- Describe new uses of non-invasive imaging for the assessment of liver disease

## **GERARD ODELL PRIZE**

4:10pm

667 MRCP SEVERITY PREDICTS DISEASE OUTCOMES IN PEDIATRIC PRIMARY SCLEROSING CHOLANGITIS: A RELIABILITY AND VALIDITY STUDY. Amanda Ricciuto<sup>1</sup>, Kedar Patil<sup>2</sup>, Alaa Alsharief<sup>2</sup>, Jehan Al-Rayahi<sup>2</sup>, Afsaneh Amirabadi<sup>2</sup>, Peter Church<sup>1</sup>, Binita Kamath<sup>1</sup>, Mary-Louise Greer<sup>2</sup>. <sup>1</sup>Gastroenterology, The Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON, Canada.

4:22pm

SERUM BIOMARKERS OF LIVER FIBROSIS: READY FOR PRIME TIME IN PEDIATRICS? Alexander Miethke, MD, Cincinnati Children's Hospital Medical Center Objectives:

- Interpret liver fibrosis scores and established biomarkers of fibrosis
- Discuss the advantages and disadvantages of these biomarkers
- Review serum biomarkers of fibrosis validated for pediatric diseases

## NASPGHAN NUTRITION AWARD - supported by an educational grant from Mead Johnson Nutrition

4:47pm

668 INTAKE OF DAIRY FAT IS INVERSELY ASSSOCIATED WITH HEPATIC STEATOSIS. Mary Sawh<sup>1,2</sup>, Martina Wallace<sup>3</sup>, Craig Bross<sup>2</sup>, Alexandra Schlein<sup>4</sup>, Emma Shapiro<sup>5</sup>, Janis Durelle<sup>2</sup>, Kimberly P Newton<sup>1,2</sup>, Hyeri You<sup>6</sup>, Ronghui Xu<sup>6</sup>, Jon Gangoiti<sup>7</sup>, Bruce Barshop<sup>7,8</sup>, Claude Sirlin<sup>4</sup>, Christian Metallo<sup>3</sup>, Jeffrey Schwimmer<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Rady Children's Hospital, San Diego, CA, USA; <sup>2</sup>Pediatrics, University of California San Diego, School of Medicine, La Jolla, CA, USA; <sup>3</sup>Bioengineering, University of California, San Diego, La Jolla, CA, USA; <sup>4</sup>Radiology, Liver Imaging Group, University of California San Diego, La Jolla, CA, USA; <sup>5</sup>Boston University, Boston, MA, USA; <sup>6</sup>Altman Clinical and Translational Research Institute, University of California San Diego, La Jolla, CA, USA; <sup>7</sup>Pediatrics, Biochemical Genetics Laboratory, University of California San Diego, School of Medicine, La Jolla, CA, USA; <sup>8</sup>Metabolics and Mitochondrial Medicine, Rady Children's Hospital, San Diego, CA, USA.

Saturday, October 19, 2019 3:30pm – 5:15pm

#### **CHALLENGES IN IBD**

Sheraton 4-5 Level 4

Moderators: Ashish Patel, MD, Children's Medical Center Dallas and Jennifer Strople, MD, Ann & Robert H Lurie Children's Hospital

3:45pm "FAIL FIRST" AND OTHER PAYOR DRIVEN POLICIES: HOW CAN PHYSICIANS BECOME EFFECTIVE ADVOCATES?

Sandra Kim, MD, Children's Hospital of Pittsburgh of UPMC Objectives:

- Summarize the impact of IBD care costs in the United States
- Provide an overview on different issues impacting care access ("fail first" components of step therapy, lack of coverage for medical foods, and opt out plans) for patients with IBD
- Discuss ongoing bills that have been proposed to improve access to care
- 4:10pm 669 TREATMENT OF INTESTINAL INFLAMMATION IN A MURINE MODEL WITH EPICUTANEOUS TOLERANCE INDUCTION REQUIRES TGF-8 AND IL-10 BUT NOT FOXP3+ TREGS. David Dunkin<sup>1,2</sup>, I

TOLERANCE INDUCTION REQUIRES TGF-8 AND IL-10 BUT NOT FOXP3<sup>+</sup> TREGS. David Dunkin<sup>1,2</sup>, M. Berin<sup>2,4</sup>, Virginia Gillespie<sup>3</sup>, Hugh Sampson<sup>2,4</sup>. <sup>1</sup>Pediatric Gastroenterology, The Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>2</sup>The Mindich Child Health and Development Institute, New York, NY, USA; <sup>3</sup>Center for Comparative Medicine and Surgery, The Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>4</sup>Division of Allergy and Immunology, The Icahn School of Medicine at Mount Sinai, New York, NY, USA.

- 4:22pm ROLE OF SMALL MOLECULES IN THE TREATMENT OF INFLAMMATORY BOWEL DISEASE

  Jeffrey Hyams, MD, Connecticut Children's Medical Center

  Objectives:
  - Understand the mechanisms of action and pharmacology of emerging small molecule therapies
  - Understand the potential role of available and emerging small molecules in the treatment of pediatric IBD
- 4:47pm 670 CHARACTERIZATION OF THE FISTULA-ASSOCIATED MICROBIOME IN PEDIATRIC PERIANAL CROHN'S DISEASE. Jessica Breton<sup>1,2</sup>, Sarah Rowley<sup>1,2</sup>, Ceylan Tanes<sup>2,1</sup>, Kelly Kachelries<sup>1</sup>, Lisa Mattei<sup>2,1</sup>, Kyle Bittinger<sup>2,1</sup>, Robert Baldassano<sup>1,2</sup>, Peter Mattei<sup>3,2</sup>. ¹Pediatric Gastroenterology, Children's hospital of Philadelphia, Philadelphia, PA, USA; ²University of Pennsylvania, Philadelphia, PA, USA; ³Children's Hospital of Philadelphia, Philadelphia, PA, USA.

Saturday, October 19, 2019 3:30pm – 5:15pm

#### FEEDING DISORDERS: MULTIDISCIPLINARY PERSPECTIVE

Chicago 6-7 Level 4

Moderators: Praveen Goday, MBBS, Medical College of Wisconsin and Wendelin Burdo-Hartman, MD, Nationwide Children's Hospital

3:45pm INTERDISCIPLINARY TREATMENT OF CHILDREN WITH COMPLEX PEDIATRIC FEEDING DISORDERS
AND TUBE DEPENDENCE

Danielle Dolezal, PhD, Seattle Children's Hospital

Objectives:

- Define pediatric feeding disorders and tube dependence
- Review treatment approaches for tube dependent children
- Review clinical outcomes from an interdisciplinary approach

4:10pm COMMON FEEDING PROBLEMS AND MANAGEMENT STRATEGIES IN AUTISTIC SPECTRUM DISORDER

Sherri Cohen, MD, MPH, FAAP, The Children's Hospital of Philadelphia Objectives:

- Define pediatric feeding disorders
- Review common feeding problems in children with autism spectrum disorder (ASD)
- Identify treatment options for children with ASD and pediatric feeding disorders

#### FEEDING MATTERS OUTSTANDING FEEDING DISORDER ABSTRACT AWARD

4:35pm

671 PHARYNGEAL AND UPPER ESOPHAGEAL SPHINCTER MOTOR DYNAMICS DURING SWALLOW IN CHILDREN. Alisara Damrongmanee<sup>1</sup>, Khalil El-Chammas<sup>1</sup>, Lin Fei<sup>2</sup>, Huaiyu Zang<sup>2</sup>, Neha Santucci<sup>1</sup>, Ajay Kaul<sup>1</sup>. <sup>1</sup>Gastroenteroloty, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.

4:47pm WHEN SCURVY IS CURVY: SOMETIMES HIPS DO LIE

Amy Drayton, PhD, University of Michigan

Objectives:

- Discuss evidence that malnutrition can occur with normal growth curves
- Identify the most common nutritional deficiencies in food selective children
- Describe short cut strategies to treat nutritional deficiencies and constipation

Saturday, October 19, 2019 3:30pm – 5:15pm

#### WHAT HEALTH CARE COULD AND SHOULD LOOK LIKE: EVOLVING PARADIGM

## Chicago 10 Level 4

Moderators: Ian Leibowitz, MD, Children's National Health System and Jeannie Huang, MD, MPH, UCSD/Rady Children's Hospital

## 3:45pm HOW TO CREATE A PEDIATRIC GI MEDICAL HOME AT YOUR SITE

Leo Heitlinger, MD, St Luke's University Hospital Objectives:

- Review the history and criteria for medical home certification and specialty practice recognition
- Discuss the criteria by which specialty practices are evaluated by mayors
- Identify the patient groups for whom specialty medical homes would be appropriate

## 4:10pm VALUE BASED CARE

Shehzad Saeed, MD, Dayton Children's Hospital Objectives:

- Understand value based care
- Understand the components of value based care and value equation
- Understand how to achieve value based care in GI

# 4:35pm THE FUTURE OF CLINICAL PEDIATRIC GASTROENTEROLOGY: PREDICTIONS, POSSIBILITIES AND PITFALLS

David A. Piccoli, MD, Children's Hospital of Philadelphia

Objectives: To anticipate the future challenges facing pediatric gastroenterologists:

- Clinical practice: Academic and private
- Financial realities: Independent and corporate
- Education and training: Physician fellows and allied personnel
- Disruptive technology and events

# **GI JEOPARDY**

Saturday, October 19, 2019 5:30pm

> Sheraton 2-3 Level 4

Host: Norberto Rodriguez Baez

# **SOCIAL EVENT**

Saturday, October 19, 2019 7:00pm

> Sheraton Ballroom Level 4

# **NASPGHAN Scientific Exhibits**

# Hours

Thursday, October 17 5:00pm-7:00pm
Friday, October 18 10:00am-2:30pm
Saturday, October 19 10:00am-2:30pm

Company	Booth	Company	Booth
Abbott	402	JOLI Diagnostic Inc	114
AbbVie	406	Kate Farms	307
Alcresta Therapeutics	110	LABORIE	302
Alexion	304	Mead Johnson Nutrition	310
Ann & Robert H. Lurie Children's		Medline	211
Hospital of Chicago	608	Medspira. LLC	605
APGNN	411	Moog Medical Devices	415
Applied Medical Technology, Inc AMT	203	NASPGHAN Advocacy	2
BioGaia/Everidis Health Sciences	301	NASPGHAN Foundation	Entrance
Boston Childrens Hospital	314	Nationwide Children's Hospital	213
Children's Health	206	Nestle Health Science	210
Children's Healthcare of Atlanta	214	Nutricia North America	410
Children's Hospital Colorado	108	Nutritional Therapy for IBD	216
Children's Hospital of Philadelphia	311	Olympus America Inc.	502
Children's National Health System	607	Orgain, Inc	407
ChiRhoClin	201	Ovesco Endoscopy	106
Cincinnati Children's Hospital	207	Parapharma Tech	610
Conmed	509	Pediatric Search Partners	603
Crohn's & Colitis Foundation	208	Phoenix Children's	604
Diversatek Healthcare	501	Prometheus Laboratories Inc.	314
Eli Lilly and Company	503	QOL Medical LLC	202
ExeGi Pharma	409	Real Food Blends	413
Feeding Matters	606	Retrophin	313
FPIES Foundation	505	The Rome Foundation	507
Fresenius Kabi	102	Sanford Health	305
Functional Formularies	401	Specialty Surgical Products, Inc.	112
Gluten Detective by Glutenostics	205	Takeda (Gattex)	504
Innovative Health Solutions, Inc	403	Wolters Kluwer	405
Jennewein Biotechnologie GmbH	306		

# **NASPGHAN Scientific Exhibits**

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Ann & Robert H. Lurie Children's Hospital of Chicago 608 225 E Chicago Ave

Chicago IL 60611

https://www.luriechildrens.org/

The Department of Gastroenterology, Hepatlogy & Nutrition at Ann & Robert H. Lurie Children's Hospital of Chicago is excited to welcome you to our home city of Chicago. Our Division is one of the leading programs in the country, ranked 8th by U.S.News and World Report, which offers a comprehensive approach to evaluating and treating childhood digestive disorders.

APGNN
714 N Bethlehem Pike, Suite 300
Ambler PA 19002

http://www.apgnn.org

The Association of Pediatric Gastroenterology and Nutrition Nurses (APGNN) is a North American organization of nurses and other medical professionals committed to the care of children, and their families, who have gastroenterology/nutrition illnesses. APGNN is the only group of its kind dedicated to nurses working across the spectrum of Pediatric Gastroenterology.

411

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BioGaia/Everidis Health Sciences 2900 Brannon Ave St Louis MO 63139 https://biogaiausa.com 301

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Boston Childrens Hospital 300 Longwood Avenue Boston MA 2115 http://www.childrenshospital.org 314

Boston Childrens Hospital is a 404-bed comprehensive center for pediatric health care located in Massachusetts. The Division of Gastroenterology, Hepatology and Nutrition offers 15 centers and programs for families and referring providers. Please visit us at booth #314 to talk with a GI specialist, learn about our Centers of Excellence, or sign up for our new online CME course.

Children's Health 1935 Medical District Dirve Dallas TX 75154 https://www.childrens.com 206

Children's Health, the eighth-largest pediatric health care provider in the nation, is the leading pediatric health care system in North Texas, providing a full spectrum of health care services - from daily wellness and primary care to specialty visits and critical care.

Children's Healthcare of Atlanta 1699 Tullie Circle Atlanta GA 30329 https://www.choa.org 214

We have been dedicated to kids for more than 100 years. Managing more than a million patient visits annually at three hospitals and multiple neighborhood locations, Children's is one of the largest pediatric clinical care providers in the country. Our gastroenterology, hepatology and nutrition program is ranked among the top 10 in the country by U.S. News & World Report.

Children's Hospital Colorado 108 13123 E 16th Avenue (Anschutz Medical Campus) Aurora CO 80045 https://www.childrenscolorado.org

At Children's Hospital Colorado, we provide comprehensive medical care for kids and treat virtually all conditions that affect children. We are an academic medical center with leading expertise in patient care, research, education and advocacy. In pediatric gastroenterology, we offer advanced diagnostic and therapeutic technologies to provide outstanding care of children with general and rare digestive conditions.

Children's Hospital of Philadelphia 3401 Civic Center Boulevard Philadelphia PA 19104 https://www.chop.edu

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Children's Hospital of Philadelphia Division of GI, Hepatology and Nutrition is comprised of over 60 physicians and 200 faculty/staff providing over 50,000 outpatient visits in approximately 20 programs. We train fellows in GI, nutrition, liver transplant, and motility. The Division, Department and School of Medicine are highly rated nationally and committed to missions of patient care, research, education, and advocacy.

Children's National Health System 111 Michigan Ave, NW Washington DC 20010 https://childrensnational.org 607

Children's National Health System, based in Washington, D.C., has served the nation's children since 1870. Children's National is the nation's No. 6 pediatric hospital and, for the third straight year, is ranked No. 1 in newborn care, as well as ranked in all specialties evaluated by U.S. News & World Report.

ChiRhoClin 201

ChiRhoClin, Inc. is the manufacturer of ChiRhoStim (Human Secretin for Injection). Our mission is to develop orphan drug products for diagnosing gastrointestinal diseases. ChiRhoStim is approved for Pancreatic Function Testing (PFT), ERCPs, and Gastrinoma Testing. Secretin - enhanced MRCP improves pancreatic image quality and function.

Cincinnati Children's Hospital 207
3333 Burnet Avenue
Cincinnati OH 45229
https://www.cincinnatichildrens.org/service/g/gastroenterology

The Division of Gastroenterology, Hepatology and Nutrition at Cincinnati Children's Hospital ranked as one of the top in U.S. News & World Report's 2019-2020 Best Children's Hospital survey. Our expertise is in comprehensive pediatric gastrointestinal care and research, including Neurogastroenterology and Motility, Total Pancreatectomy islet Autotransplantation, organoid research, and clinical tests like MMP 7, genetic panels for specialized disease.

Conmed 509 525 French Road Utica NY 13502 https://www.conmed.com/

Crohn's & Colitis Foundation 208
733 Third Avenue
New York NY 10017
https://www.crohnscolitisfoundation.org/

The Crohn's & Colitis Foundation is dedicated to finding cures for Crohn's disease and ulcerative colitis. The Foundation funds cutting-edge studies, nurtures young investigators, and finances underdeveloped areas of research. Educational workshops, symposia, a cutting-edge annual conference, and our journal, "Inflammatory Bowel Diseases," enable medical professionals to keep pace with this rapidly-growing field.

Diversatek Healthcare 102 E Keefe Ave Milwaukee WI 53212 https://www.diversatekhealthcare.com

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Diversatek Healthcare is a leader in GI diagnostic testing, providing a comprehensive portfolio of motility and reflux monitoring products as well as training and educational options to meet all of your clinical needs. Our inSIGHT Ultima System featuring Zvu Advanced Diagnostic GI Software is the single platform for High Resolution Impedance Manometry and Impedance/pH testing.

Eli Lilly and Company Lilly Corporate Center Indianapolis IN 46285 https://www.lilly.com 503

Lilly is a global healthcare leader that unites caring with discovery to create medicines that make life better for people around the world. We were founded in 1876 by a man committed to creating high-quality medicines that meet real needs, and today we remain true to that mission. To learn more, visit lilly.com.

ExeGi Pharma 90 Church Street Rockville MD 20850 https://www.visbiome.com 409

VISBIOME is a medical food intended for the dietary management of dysbiosis associated with irritable bowel syndrome (IBS), ulcerative colitis (UC), pouchitis, and hepatic encephalopathy (HE). VISBIOME is a non-drug therapy that addresses distinct nutritional requirements, to promote microbial balance in people with IBS, UC, pouchitis, and HE that cannot be addressed by modification of the diet alone.

Feeding Matters 7227 N 16th St Suite 110 Phoenix AZ 85020 https://www.feedingmatters.org

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Established in 2006, Feeding Matters is the first organization in the world uniting the concerns of families with the field's leading advocates, experts, clinicians, and allied healthcare professionals to ignite unprecedented change to the system of care through advocacy, education, support, and research – including a stand-alone diagnosis, the International Pediatric Feeding Disorder Conference, and the Infant and Child Feeding Questionnaire.

FPIES Foundation PO Box 304 Stewartville MN 55976 http://fpiesfoundation.org/ 505

Food Protein-Induced Enterocolitis Syndrome (F-PIES) is a type of food allergy affecting the gastrointestinal (GI) tract. Classic symptoms of FPIES include profuse vomiting, diarrhea, and dehydration. The FPIES Foundation is a 501C3 non-profit organization dedicated to overcoming the challenges of FPIES by offering tools for education, support, and advocacy to empower families and the medical community. Read more at: http://fpiesfoundation.org/

Fresenius Kabi Three Corporate Drive Lake Zurich IL 60047

https://www.fresenius-kabi.com/us/

Fresenius Kabi is a global health care company that specializes in lifesaving medicines and technologies for infusion, transfusion and clinical nutrition. Our products are used to help care for critically and chronically ill patients.

Functional Formularies 9277 Center Pointe Drive West Chester OH 45069 https://www.functionalformularies.com 401

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Functional Formularies offers the world's first 100% certified organic, Non-GMO, nutritionally complete, shelf-stable feeding tube formula and oral meal replacement products. Liquid Hope is formulated to be a sole-source nutrition formula for adults and Nourish, the enteral formula and oral meal replacement formula is optimized for pediatrics.

Gluten Detective by Glutenostics PO Box 502468 Indianapolis IN 46250 http://glutenostics.com/

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Gluten Detective is the first and only rapid urine- and stool-based OTC test enabling individuals to determine if they have consumed gluten at home or while traveling. Clinical (CLIA) reimbursable version of the test for physician ordering available soon.

Innovative Health Solutions, Inc PO Box 397 Versailles IN 47042 https://i-h-s.com/ 403

Jennewein Biotechnologie GmbH 306 4000 Blackburn Lane Ste270 Burtonsville MD 20866 http://www.chirhoclin.com/html/index.aspx?page=home

Jennewein Biotechnologie GmbH is a leading company specializing in the production of human milk oligosaccharides (HMO) for nutritional, pharmaceutical, cosmetic and medical applications. Jennewein's HMOs are produced using the latest fermentation technology. This process is based on research and ensures a high quality of the product; Jennewein received approval for the HMO 2-Fucosyllactose in the US (2015) and in the

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JOLI Diagnostic Inc 2451 Wehrle Drive Williamsville NY 14221 http://jolidiagnostic.com/

JOLI Diagnostic is a clinical laboratory specializing in gastroenterology testing. We offer many tests including: Fecal Pancreatic Elastase, Disaccharidase Analysis, Pancreatic Enzyme testing on fluids and Fecal Calprotectin. Our laboratory focuses on excellent customer service, rapid turnaround times and affordable pricing.

Kate Farms 307 101 Innovation Place Santa Barbara CA 93108 https://www.katefarms.com/

Kate Farms is a medical nutrition company offering a higher standard of plant-based enteral formulas: well tolerated, made with organic ingredients without allergens commonly used in other conventional formulas, and broadly covered by insurance. Widely preferred because of improved tolerance, quality of ingredients, and delicious taste.

LABORIE 302
400 Avenue D, Suite 10
Williston VT 5495
https://www.laborie.com/

LABORIE has a wide variety of gastrointestinal diagnostic devices. The Ohmega, a small, lightweight recorder for pH-Impedance measurement to diagnose GERD. The Solar GI HRM/HRIM/HRAM systems have revolutionary QuickView software with the new London Protocol and Chicago classification. The Hydrogenius & Gastrogenius are breath monitors for measurement of hydrogen and combined methane, hydrogen and oxygen.

Mead Johnson Nutrition 310 2400 West Lloyd Expressway Evansville IN 47721 https://www.meadjohnson.com/ Medline
3 Lakes Drive
Northfield IL 60093
https://www.medline.com

Medline is the largest privately held manufacturer and distributor of medical supplies uniquely positioned to provide products, education and support across the continuum of care. Our ability to bring best practices from one care setting to another from large healthcare systems and independent physician practices to home health patients and their families, is what sets us apart.

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Medspira. LLC 605
2718 Summer St NE
Minneapolis MN 55413
https://medspira.com

Medspira partners with leading medical institutions to develop and market cost-effective diagnosis and treatment solutions for a variety of medical conditions in the pelvic floor. Medspira's mcompass is a portable anorectal manometry system ultilized by private offices and hospitals alike.

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Moog Medical Devices
4314 Zevex Park Lane
Salt Lake City UT 84123
https://www.infinityfeedingpump.com/

Infinity Enteral Feeding Pumps by Moog are the only 100% mobile enteral feeding pumps, providing patients of all ages the ability to live life more fully. Our industry-leading clinical and customer support teams are available to assist customers and patients 24 hours a day, 7 days per week.

NASPGHAN Advocacy
714 N Bethlehem Pike, Suite 300
Ambler PA 19002
https://www.naspghan.org/

Visit the NASPGHAN Advocacy booth to learn more about what the society is doing to improve access to medical nutrition for pediatric patients with gastrointestinal disease. NASPGHAN is asking members of Congress to cosponsor the Medical Nutrition Equity Act. Stop by the booth and take a few minutes to contact your federal lawmakers.

NASPGHAN Foundation Entrance
714 N Bethlehem Pike, Suite 300
Ambler PA 19002
https://www.naspghan.org/

NASPGHAN and the NASPGHAN Foundation are dedicated to improving the care of infants, children and adolescents with digestive disorders by promoting advances in clinical care, research and education. Visit our booth and learn more about our newest professional and consumer education projects.

Nationwide Children's Hospital 700 Children's Drive Columbus OH 43205 https://www.nationwidechildrens.org/ 213

Nationwide Children's is America's second largest children's hospital and home to one of the world's leading pediatric gastroenterology clinical and research programs. Come see us in the exhibit hall or visit NationwideChildrens.org/GI to learn how our programs are making a difference for children in North America and around the world.

Nestle Health Science US Hwy 202/206 Bldg JR2 Bridgewater NJ 8807 https://www.nestlehealthscience.com 210

Nestle Health Science, a wholly-owned subsidiary of Nestle, is a health-science company engaged in advancing the role of nutritional therapy to change the course of health for consumers, patients and its partners in healthcare. Gerber Products Company is committed to building a solid nutrition foundation during the first 1,000 days through products, education, and services.

Nutricia North America 410 9900 Belward Campus Drive, Suite 100 Rockville MD 20850 https://www.neocate.com/for-healthcare-professionals/

Nutricia is a global leader in advanced medical nutrition for specialized care. Neocate, brought to you by Nutricia, is a range of amino acid-based products, proven effective in the nutritional management of gastrointestinal (GI) and food allergy-related conditions.

Nutritional Therapy for IBD 216

Interested in the microbiome and its modification by diet to alter the course of IBD? Stop by to explore the science behind EEN and SCD. Discuss current data with nutritional researchers, acquire flash drive research references, sample tasty SCD treats, and discuss the viability of nutrition as a therapeutic tool with families experiencing success.

Olympus America Inc. 502 3500 Corporate Parkway Center Valley PA 18034

Olympus strives to contribute to society by making people's lives healthier, safer and more fulfilling around the world. Our Medical Business works with health care professionals to combine our innovative capabilities in medical technology, therapeutic intervention, and precision manufacturing with their skills to deliver diagnostic, therapeutic and minimally invasive procedures to improve clinical outcomes, reduce overall costs and enhance quality of life for patients. Visit medical.olympusamerica.com and truetolife.com

Orgain, Inc 16631 Millikan Ave Irvine CA 92606 https://healthcare.orgain.com/

Orgain is committed to creating the world's healthiest nutritional products made from the highest quality ingredients featuring an extensive line of organic ready-to-drink shakes, protein powders and bars in grass fed dairy and 100% plant-based options. Typical use is oral nutrition support and/or tube feeding. Request an Ambassador Welcome Kit https://healthcare.orgain.com/welcome-kit-request and receive complimentary samples and coupons for your patients!

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Ovesco Endoscopy 120 Quade Drive Cary NC 27513 https://ovesco.com/

Ovesco Endoscopy is a medical device company operating in the fields of flexible endoscopy & endoluminal surgery. The OTSC (Over-The-Scope Clip) is Ovesco's product platform for the treatment of GI hemorrhage & endoscopic wall closure. The most recent addition to Ovesco's product portfolio includes the novel FTRD System for endoscopic Full-Thickness Resection of lesions in the colon & rectum.

Parapharma Tech 610 14149 NW 8th Street Sunrise FL 33325 https://www.healthierthickening.com/gelmix-infant-thickener/

Pediatric Search Partners 603 100 Congress Avenue, Suite 2000 Austin TX 78701 http://pediatricsearchpartners.com/

Pediatric Search Partners is a search firm focused solely on serving the pediatricians, pediatric subspecialists, and leaders dedicated to providing children's healthcare. Since 2009, we've successfully filled more than 500 searches within leading children's hospitals and healthcare organizations across the nation. Our passion is matching the physicians and executives who care for children with opportunities they truly care about.

Phoenix Children's 604
1919 E Thomas Rd
Phoenix AZ 85016
http://www.phoenixchildrens.org

Prometheus Laboratories Inc. 9410 Carroll Park Dr. San Diego CA 92121 https://www.prometheuslabs.com 314

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Prometheus is committed to improving lives through the development and commercialization of novel diagnostic products that enable physicians to provide greater individualized patient care. We are primarily focused on the detection, diagnosis and treatment of disorders within the fields of gastroenterology.

QOL Medical LLC 3405 Ocean Drive Vero Beach FL 32963 https://www.golmed.com/

QOL Medical, LLC is a patient-centric company with a focus on the acquisition and commercialization of orphan therapies in underserved markets. QOL Medical ensures an expanded clinical awareness and patient access for improved quality of life in the treatment of orphan diseases. QOL Medical currently markets two FDA-approved products: Sucraid (sacrosidase) Oral Solution and Ethamolin (Ethanolamine Oleate) Injection 5%.

Real Food Blends
PO Box 2126
Chesterton IN 46304
https://www.realfoodblends.com

Real Food Blends makes 100% real food meals for people with feeding tubes. Born from Julie & Tony Bombacino's love for their tube-fed son and a belief that everyone deserves real food and nutritional variety, the meals have no corn syrup or preservatives and are covered by many insurance plans.

Retrophin 313

http://www.retrophin.com

Retrophin is a biopharmaceutical company dedicated to identifying, developing and delivering lifechanging therapies to people living with rare disease.

The Rome Foundation 507 14460 Falls of Neuse Rd 149-116 Raleigh NC 27614 https://theromefoundation.org/

The Rome Foundation is an organization whose mission is to improve the lives of people with functional GI disorders, called Disorders of gut-brain interaction. The foundation provides support for activities designed to create scientific data and educational information to assist in the diagnosis and treatment of disorders of DGBIs. Our products provide unique, comprehensive and up to date tools.

Sanford Health
PO Box 2010 Route 2181
Fargo ND 58122-2181
https://www.sanfordhealth.org

Sanford Health is one of the largest health care systems in the nation, with 44 hospitals and nearly 300 clinics in nine states and four countries. Headquartered in Sioux Falls, South Dakota, and serving the Upper Midwest, with nearly 1,400 physicians, Sanford Health is dedicated to several initiatives.

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Specialty Surgical Products, Inc. 112
1123 N US Hwy 93
Vistor MT 59875
https://ssp-inc.com/

Stop by our booth to see the Rbi2, the worlds #1 Suction Rectal Biopsy System. This reusable hand piece with a single use manometer and capsule, housing a razor sharp blade, is the best answer for consistent, dependable biopsy specimens.

Takeda (Gattex) 504 300 Takeda Way Lexington MA 2421 https://www.takeda.com

Takeda is a global, values-based, R&D-driven biopharmaceutical leader headquartered in Japan, committed to bringing Better Health and a Brighter Future to patients by translating science into highly-innovative medicines. Takeda focuses its R&D efforts on four therapeutic areas: Oncology, Gastroenterology (GI), Neuroscience and Rare Diseases. We also make targeted R&D investments in Plasma-Derived Therapies and Vaccines. www.takeda.com

Wolters Kluwer 405
2001 Market Street
Philadelphia PA 19103
https://shop.lww.com

Wolters Kluwer Health is a leading global provider of information and point of care solutions for the healthcare industry. Our solutions are designed to help professionals build clinical competency and improve practice so they can make important decisions on patient care. Our leading product brands include Audio-Digest, Lippincott, Ovid®, UpToDate®, and others.

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