



45<sup>TH</sup>  
ANNUAL MEETING



# Annual Meeting Program

2017 NASPGHAN ANNUAL MEETING

November 1–4, 2017 ✨ Caesars Palace ✨ Las Vegas, NV

## TABLE OF CONTENTS

PROGRAM AT A GLANCE .....	3
GENERAL INFORMATION .....	5
MEETING SUPPORT .....	8
FUTURE DATES .....	9
TEACHING AND TOMORROW .....	10
COMMITTEE MEETINGS .....	11
SATELLITE SYMPOSIA .....	12
<b>Thursday, November 2, 2017</b>	
POSTER SESSION I/WELCOME RECEPTION/EXHIBITS .....	15
<b>Friday, November 3, 2017</b>	
APGNN Program .....	41
MEET THE PROFESSOR BREAKFASTS .....	44
PLENARY SESSION I .....	45
CONCURRENT SESSION I	
Nutrition .....	47
IBD .....	48
Neurogastroenterology and Motility .....	49
Guidelines.....	50
Colonoscopy Skills Workshop.....	51
HANDS ON ENDOSCOPY .....	51
POSTER SESSION II .....	53
CONCURRENT SESSION II	
Nutrition .....	79
Liver .....	80
Aerodigestive .....	81
Endoscopy .....	82
Hot topics: Treat to target.....	83
Advocacy .....	84
AWARDS CEREMONY.....	85
CPNP .....	86
LASPGHAN SESSION.....	87
<b>Saturday, November 4</b>	
ANNUAL NASPGHAN 5K RUN .....	89
APGNN Program .....	90
CPNP Nutrition Symposium .....	93
MEET THE PROFESSOR BREAKFASTS .....	95
WOMEN IN MEDICINE .....	95
CONCURRENT SESSION III	
Hot topics II .....	96
Malabsorption .....	97
Microbiome .....	98
GI Potpourri.....	99
Video Abstracts .....	100

CONCURRENT SESSION IV

- Obesity .....102
- Eosinophilic Esophagitis .....103
- Liver .....104
- IBD Nutrition .....106
- Colonoscopy Skills Workshop.....107

HANDS ON MOTILITY .....107

HANDS ON ENDOSCOPY .....107

TRAINING PROGRAM DIRECTORS .....107

POSTER SESSION III .....109

CONCURRENT SESSION V

- Endoscopy .....139
- Global Health.....140
- Malabsorption/Pancreas.....141
- Neogastroenterology and Motility.....142
- Research Skills .....143
- Professional Development .....143

CONCURRENT SESSION VI

- IBD .....144
- Liver .....145
- Upper GI .....147
- Research Skills .....148
- Clinical Practice Forum .....148

GI JEOPARDY FOR FELLOWS AND FACULTY .....149

SOCIAL EVENT .....149

EXHIBITS .....151

AUTHOR INDEX .....167

HOTEL FLOOR PLANS .....193

## NASPGHAN ANNUAL MEETING - PROGRAM AT A GLANCE

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### Thursday, November 2

5:00pm – 7:00pm      Welcome Reception/Exhibits/ Poster Session I      Octavius

### Friday, November 3

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7:00am – 8:00am      Meet the Professor Breakfasts (Registration Required)      See ticket

8:00am – 5:00pm      APGNN Meeting      Milano 1 - 2

8:00am – 10:15am      Plenary Session and Business Meeting      Augustus 1 – 4

10:15am – 10:30am      Break      Octavius Exhibit Hall

10:30am - 12:00pm      Concurrent Session I  
 Nutrition      Milano 5 - 6  
 IBD      Augustus 1 - 4  
 Neurogastroenterology and Motility      Milano 3  
 Guidelines      Augustus 5 - 6  
 Colonoscopy Skills Workshop (Advanced Registration Required)      Octavius 11

12:00pm –2:00pm      Poster Session II/Exhibits      Octavius

12:00pm –2:30pm      Hands on Endoscopy (Registration Required)      Neopolitan 1

2:30pm – 4:00pm      Concurrent Session II  
 Nutrition      Milano 5 - 6  
 Liver      Augustus 5 - 6  
 Aerodigestive      Augustus 1 - 2  
 Endoscopy      Milano 3  
 Hot topics: Treat to target      Augustus 3 - 4  
 Advocacy      Neopolitan 2

4:15pm – 6:00pm      Awards Ceremony      Milano 3

6:00pm – 8:00pm      LASPGHAN Session      Milano 5 – 6

6:00pm      APGNN Reception      Neopolitan 3 - 4

6:00pm      CPNP Reception      Neopolitan 2

### Saturday, November 4

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7:00am – 8:00am      Meet the Professor Breakfasts (Registration Required)      See Ticket

7:00am – 8:00am      Women in Medicine      Octavius 11

8:00am      APGNN Meeting      Milano 1 - 2

8:00am      CPNP Nutrition Symposium      Neopolitan 3 - 4

8:30am - 10:00am      Concurrent Session III  
 Hot topics II      Augustus 1 - 2  
 Malabsorption      Milano 3  
 Microbiome      Augustus 5 - 6  
 GI Potpourri      Augustus 3 - 4  
 Video Abstracts      Milano 5 – 6

10:00am – 10:30am      Break      Octavius Exhibit Hall

10:30am - 12:00pm	Concurrent Session IV Obesity Eosinophilic Esophagitis Liver IBD Nutrition Colonoscopy Skills Workshop (Advanced Registration Required)	Milano 5 – 6 Augustus 1 – 2 Augustus 3 – 4 Augustus 5 – 6 Octavius 11
10:30am –12:00pm	Hands on Motility (Registration Required)	Neopolitan 2
12:00pm –2:00pm	Poster Session III/Exhibits	Octavius
12:00pm –2:30pm	Hands on Endoscopy (Registration Required)	Neopolitan 1
2:00pm – 3:30pm	Concurrent Session V Global Health Endoscopy Malabsorption/Pancreas Neogastroenterology and Motility Research Skills Professional Development: Thriving and Surviving	Milano 7 - 8 Augustus 5 - 6 Milano 3 - 4 Augustus 3 - 4 Milano 5 - 6 Octavius 11
3:45pm – 5:15pm	Concurrent Session VI IBD Liver Upper GI Research Skills Clinical Practice Forum	Augustus 3 - 4 Milano 3 - 4 Augustus 5 - 6 Milano 5 - 6 Octavius 11

## GENERAL INFORMATION

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### Registration Hours

Registration is located on the Promenade Level (3<sup>rd</sup> Level) of the Caesars Palace Conference Center. Registration will be open during the following hours:

Tuesday, October 31	3:00pm – 8:00 pm
Wednesday, November 1	7:00am – 7:00pm
Thursday, November 2	7:00am – 7:00pm
Friday, November 3	7:00am – 5:00pm
Saturday, November 4	7:00am – 5:00pm

### Exhibit Hours

Exhibits are located in Octavius 1-6 of the hotel. The exhibits are open during the following hours:

Thursday, November 2	5:00pm – 7:00pm
Friday, November 3	10:00am – 2:30pm
Saturday, November 4	10:00am – 2:30pm

### NASPGHAN Speaker Ready Room

The NASPGHAN Speaker Ready Room is located in Octavius 7. The Speaker Ready Room is open during the following hours:

Tuesday, October 31	3:00pm – 6:00pm
Wednesday, November 1	7:00am – 6:00pm
Thursday, November 2	7:00am – 6:00pm
Friday, November 3	7:00am – 5:00pm
Saturday, November 4	7:00am – 5:00pm

### NASPGHAN 5K RUN/WALK

NASPGHAN is holding its 4<sup>th</sup> annual 5K run/walk on Saturday morning, November 4. Registration will open at 6am for signing of waivers. Race will start at 7am. Due to the uniqueness of this race, it will not be timed. The fee includes a t-shirt and water. 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!

When: Saturday, November 4

Registration 6:00 Race Start Time: 7:00 AM

Where: The race start location is the Tour Departure area located at the entrance to the casino between Fizz and Colosseum and follows the pedestrian walkways along the Las Vegas strip. It does include stairs and escalators.

## 2017 PROGRAM COMMITTEE

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Karen Murray MD (NASPGHAN President-Elect)	Program Committee Chair
Sally Schwartz RD, CSP, LDN	CPNP Nutrition Symposium Planning Chair
Amber Smith MBA, RD, CD	CPNP President
Maureen Egan MSN, APN	APGNN Program Chair
Shikka Sundaram MD (Chair, Hepatology Committee)	Liver Sessions
Rob Kramer MD (Chair, Endoscopy Committee)	Endoscopy Sessions
Toba Weinstein MD (Chair, Professional Development Committee)	Professional Development Session
Jennifer Strople MD (Chair, Professional Education Committee)	Postgraduate Course, Co-Director
Rohit Kohli MD, (Chair, Research Committee)	Research Skills, Abstracts
Ryan Shonce APN	APGNN President
Solange Heller Rouassant MD (Mexican Councilor)	LASPGHAN Program
KT Park MD (Chair, Clinical Care and Quality Committee)	Clinical Vignette Posters
Michael Narkewicz MD (Chair, Finance Committee)	Meeting Budget
Matthew Riley MD (Chair, Clinical Practice Committee)	Clinical Practice Forum
Andrew Grossman MD (Chair, IBD Committee)	IBD Sessions
Leonel Rodriguez MD (Chair, International Committee)	LASPGHAN Program
Norberto Rodriguez Baez MD (Chair, Training Committee)	Teaching and Tomorrow Program
Maria Oliva-Hemker MD (Professional Education Committee)	Postgraduate Course, Co-Director
Carlo Di Lorenzo MD (NASPGHAN Past President)	Program Advisor
James Heubi (NASPGHAN President)	Program Advisor
Amanda Deacy (Psychology Collaborative Group)	Psychology
Michele Maddux (Psychology Collaborative Group)	Psychology
José Cocjin MD (Chair, Neurogastroenterology & Motility Committee)	Hands on Motility, Motility Sessions
Jaime Belkind Gerson MD (Chair, Neurogastroenterology & Motility Committee)	Hands on Motility, Motility Sessions

## CME INFORMATION

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### 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.

### AMA PRA Statement

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 *26 AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should only claim 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. All conflicts have been resolved satisfactorily.

**NASPGHAN ANNUAL MEETING CORPORATE SUPPORTERS**

*As of September 22, 2017*

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Abbott Nutrition  
AbbVie  
Alexion Pharmaceuticals, Inc.  
American Partnership for Eosinophilic Disorders  
(APFED) ChiRhoClin, Inc  
JOLI Diagnostic  
Mead Johnson Nutrition  
MMS  
Medtronic  
National Institutes of Health  
National Pancreas Foundation  
Nutricia North America, Inc  
Olympus America

**APGNN MEETING CORPORATE SUPPORTERS**

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Abbott Nutrition  
Mead Johnson Nutrition  
Nestlé Health Science  
Nutricia North America, Inc  
Prometheus

**NASPGHAN Nutrition Symposium  
CPNP Founders**

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

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Abbott Nutrition  
Dr. Schar  
Mead Johnson Nutrition  
Nestlé Nutrition  
QOL Medical

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

Abbott Nutrition  
Mead Johnson Nutrition

## FUTURE MEETING DATES

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### FELLOW CONFERENCES

1st Year Fellows Conference  
Supported by a grant from Abbott Nutrition  
January 11-14, 2018  
Rosen Plaza Hotel  
Orlando, FL

2nd Year Fellows Conference  
Supported by a grant from Abbott Nutrition  
March 8 - 11, 2018  
Scottsdale Plaza Resort  
Scottsdale, AZ

3rd Year Fellows Conference  
Supported by a grant from Mead Johnson Nutrition  
October 5 - 8, 2017  
The Palomar  
Phoenix, AZ

**2018 NASPGHAN Annual Meeting and Postgraduate Course**  
October 24-28, 2018  
Diplomat Resort and Spa  
Hollywood, FL

**2019 NASPGHAN Annual Meeting and Postgraduate Course**  
October 16-20, 2019  
Sheraton Chicago Hotel and Towers  
Chicago, IL

## TEACHING AND TOMORROW PROGRAM PARTICIPANTS

*(as of September 19, 2017)*

Thanks to a generous 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.

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Atu Agawu	Amelia Kellar
Ifunanya Agbim	Lauren Klein
Ashwin Agrawal	Nathan Kolasinski
Sharef Al Mulaabed	Sneha Kolli
Malik Muhammad Anwar Ul Haq	Vali Kondos
Mary Ayers	Frances Lee
Mohammed Ayoub	Jeffrey Lee
Jonathan Beri	Anne Lyon
Katherine Black	Parisa Mansoori
Julie Bonn	Leslie Mataya
Brooke Boyer	Jonathan Miller
Samantha Bruni	Ashley Miniet
Rasmita Budhathoki	Ann Mohanan
Angela Chu	Anne Murphy
Madelyn Cohen	Noor Nema
John Collier	Shanna Nevelev
Montserrat Corbera-Hincapie	Dieudonne Nonga
Erin Crawford	Abigail Nunn
Kimberly Daleen	Allie Ojugbeli
Nan Du	Debra Okafor
Joshua Eisenberg	Arvind Panchoo
Peter Farmer	Kaleena Patel
Jenelle Fernandez	Hannibal Person
Andres Gomez Garza	Mora Puertolas
Sussette Gonzalez	Laura Quinn
Irina Gorbounova	Anjali Rai
Andrea Gosalvez Tejada	Kristina Reed
Aditi Gupta	Syed Rizvi
Shivani Gupta	Sharmistha Rudra
Mohamed Hamza	Prathipa Santhanam
Kayla Hartjes	Kenneth Schmidt
Galen Hartman	Yash Shah
Phillipp Hartmann	Rachel Smith
Kathryn Hawa	James Stevens
Elizabeth Hilow	Eve Thau
Jessica Hochberg	Lauren Thorp
Natalie Hoffmann	Paul Tran
Amari Howard	Katherine Tribble
Diane Hsu	Joseph Woolley
Claire Humphrey Pond	Stephanie Zacharias
Amy Issa	Ashley Zerr
Boram (Grace) Ji	Xiaoyi Zhang
Rohit Josyabhatla	Becky Zhao

## NASPGHAN Committee Meetings

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### Wednesday, November 1

11:00am – 4:00pm	Foundation Board Meeting	Umbria Boardroom
4:30pm – 6:00pm	NASPGHAN Council Meeting	Octavius 11
6:00pm – 10:00pm	NASPGHAN Council and Committee Chairs	Octavius 11

### Thursday November 2

12:30pm - 1:45pm	Endoscopy Committee	Octavius 18
12:30pm - 1:45pm	Finance Committee	Octavius 21
12:30pm - 1:45pm	Nutrition Committee	Imperial Boardroom
12:30pm - 1:45pm	Technology Committee	Tuscany Boardroom
6:30pm – 10:00pm	Education SIG	Octavius 18

### Friday, November 3

7:00am - 8:00am	ERCP SIG	Tuscany Boardroom
7:00am - 8:00am	Global Health SIG	Octavius 18
7:00am - 8:00am	Hepatology Committee	Imperial Boardroom
7:00am - 8:00am	Neurogastroenterology and Motility	Octavius 19
7:00am - 8:00am	Professional Development Committee	Octavius 21
7:00am - 8:00am	Ethics Committee	Octavius 22
12:00pm - 2:00pm	Advocacy Committee	Octavius 22
12:00pm - 2:00pm	IBD Committee	Octavius 14
12:00pm - 2:00pm	MOC Committee	Octavius 19
12:00pm - 2:00pm	Professional Education Committee	Octavius 21
12:00pm - 2:00pm	Public Education Committee	Octavius 18
12:00pm - 2:00pm	Publications Committee	Imperial Boardroom
12:00pm - 2:00pm	Research Committee	Octavius 9
12:00pm – 2:00pm	Training Committee	Octavius 17

### Saturday, November 4

7:00am - 8:30am	Clinical Care and Quality	Octavius 7
12:00pm - 2:00pm	Aerodigestive SIG	Octavius 17
12:00pm - 2:00pm	Integrative Medicine SIG	Octavius 9
12:00pm - 2:00pm	Pancreas Committee	Octavius 10
12:00pm - 2:00pm	Past Presidents	Octavius 18
12:00pm - 2:00pm	Fellows Committee	Octavius 13
12:00pm - 2:00pm	FMT SIG	Tuscany Boardroom
12:00pm - 2:00pm	International Committee	Octavius 15
12:00pm - 2:00pm	Clinical Practice Committee	Octavius 16

## SATELLITE SYMPOSIA

Thursday November 2<sup>nd</sup>  
7:00pm  
Milano Ballroom

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Program Title: Multi-disciplinary strategies for ruling out LAL-D among NAFLD patients hiding in your practice.

Program Director:

Rohit Kohli, MBBS, MS  
Division Chief  
Gastroenterology, Hepatology, and Nutrition  
Children's Hospital Los Angeles  
Associate Professor of Pediatrics  
University of Southern California

Agenda:

- Welcome and Program introduction
- Overview of LAL-D
- LAL-D Case Studies through the eyes of a lipidologist
- Treatment Options
- Panel Discussion
- Q & A

Learning Objectives:

With life-threatening severity, prevalence similar to Wilson's disease, and common sense approaches to diagnosis and patient management, society guidelines recommend that HCPs routinely rule out LAL-D among their NAFLD patients. This discussion is intended to provide attendees with the latest information and recommendations for identifying and managing LAL-D patients.

## **SATELLITE SYMPOSIA**

Friday, November 3<sup>rd</sup>

6:30am - 8:00am

Milano Ballroom

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**Program Title:** Probiotics, Prebiotics and the Microbiome - The Changing Face of Pediatric Allergy Management.

### **Program Agenda**

**Probiotics, prebiotics and recent advances in our knowledge of the infant intestinal microbiome in health and disease.**

Benjamin D. Gold, MD, FACG, FAAP

Pediatric Gastroenterologist

GI Care for Kids, Atlanta, US

**Emerging evidence: The gut microbiota and the management of pediatric cow milk allergy. What does it mean for you and your patients?**

Adam Fox, MD, MA (Hons), MSc, MB, BS, DCH, FRCPCH, FHEA, Dip Allergy

Consultant and Reader in Pediatric Allergy

Guy's & St Thomas' Hospital, London, UK

### **Symposium Chaired by:**

Dr. Conrad Cole, MD, MPH, MSc

Pediatric Gastroenterologist

Cincinnati Children's Hospital, Cincinnati, OH

### **Learning Objectives**

- To describe the role of the infant gut microbiota in health and allergic disease
- To explain the clinical relevance of dysbiosis in the allergic infant and the role of specific probiotics and prebiotics in pediatric allergy management
- To evaluate new evidence for the management of infants with cow milk allergy and the clinical relevance of this



## Poster Session I/Welcome Reception

Thursday, November 2, 2017

5:00pm – 7:00pm

Octavius Ballroom

Presenters at posters from 5 :30pm – 6:30pm

\*Poster of Distinction

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Poster#/Abstract#

### ENDOSCOPY/QI/EDUCATION

- 1 1 *SOLITARY RECTAL ULCER SYNDROME IN A TEENAGER REQUIRING MULTIPLE BLOOD TRANSFUSIONS.* Amber McClain, John Pohl, Raza Patel, Amy Lowichik, Kyle Jensen. Pediatric Gastroenterology, Hepatology & Nutrition, University of Utah, Salt Lake City, UT, USA.
- 2 2 *OBSCURE GI BLEEDING SECONDARY TO GASTRIC HETEROTOPIA IN A CHILD WITH SEVERE IRON DEFICIENCY ANEMIA.* Amit Shah, Arthur Kastl, Bridget Godwin, Petar Mamula, Kristin Fiorino. Gastroenterology, Hepatology, & Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 3 3 *IMPROVING QUALITY AND UTILIZATION OF ANTI-TNF POST-INDUCTION THERAPEUTIC DRUG MONITORING.* Amy Peasley, Emily Homan, Amy Donegan, Ross Maltz, Jennifer Dotson, Wallace Crandall, Brendan Boyle. Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA.
- 4 4 *MULTIDISCIPLINARY CLINIC APPROACH FOR THE CARE OF CHILDREN WITH INTESTINAL FAILURE- MAINTAINING EFFICIENCY IN A HIGH VOLUME CLINIC.* Andrea Martinez<sup>1,4</sup>, Matthew Nelson<sup>2</sup>, David During<sup>2</sup>, Debra Harrison<sup>4</sup>, Karen Steinberg<sup>4</sup>, Glenda Courtney-Martin<sup>4</sup>, Christina Kosar<sup>4</sup>, Paul W. Wales<sup>4,3</sup>, Yaron Avitzur<sup>1,4</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Process Improvement and Innovation Team, Hospital for Sick Children, Toronto, ON, Canada; <sup>3</sup>Division of General Surgery, Hospital for Sick Children, Toronto, ON, Canada; <sup>4</sup>Group for the Improvement of Intestinal Failure and Treatment, Hospital for Sick Children, Toronto, ON, Canada.
- 5 5 *ESOPHAGEAL CAPSULE ENDOSCOPY (ECE) IN CHILDREN AND YOUNG ADULTS.* Anita Pai, Maureen Jonas, Victor Fox. Pediatric Gastroenterology, Hepatology, and Nutrition, Boston Children's Hospital, Boston, MA, USA.
- 6 6 *TREATMENT OF PORTAL VENOUS GAS EMBOLISM WITH HYPERBARIC OXYGEN AFTER ACCIDENTAL INGESTION OF HYDROGEN PEROXIDE: A CASE REPORT.* Ann Ming Yeh<sup>3</sup>, Sabina Ali<sup>1</sup>, Jeffrey Davis<sup>2</sup>, Kelly Haas<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Stanford Children's Health, Walnut Creek, CA, USA; <sup>2</sup>Hyperbaric Medicine, John Muir Medical Center, Walnut Creek, CA, USA; <sup>3</sup>Pediatric Gastroenterology, Stanford University, Stanford, CA, USA.
- 7 7 *GASTRIC HYPERPLASTIC POLYPS CAUSING UPPER GASTROINTESTINAL BLEED POST CARDIAC TRANSPLANT.* Anna Ferguson<sup>1</sup>, David Vitale<sup>1</sup>, Kevin Bove<sup>2</sup>, Phil Putnam<sup>1</sup>, Samuel Kocoshis<sup>1</sup>, Khalil El-Chammas<sup>1</sup>. <sup>1</sup>Gastroenterology, Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>2</sup>Pathology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 8 8 *NOVEL INTERACTIVE PEDIATRIC GASTROENTEROLOGY FELLOWSHIP CURRICULUM IMPROVES TRAINEE ENGAGEMENT.* Arvind Srinath<sup>1,2</sup>, Sandra Kim<sup>1,2</sup>, J.B. McGee<sup>3,2</sup>. <sup>1</sup>Pediatrics, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, USA; <sup>2</sup>University of Pittsburgh School of Medicine, Pittsburgh, PA, USA; <sup>3</sup>Gastroenterology, University of Pittsburgh Medical Center, Pittsburgh, PA, USA.
- 9 9 *PENNY FOR YOUR THOUGHTS: A COIN IN THE STOMACH - WHY DID IT GET STUCK?* Asiya Shakir. Pediatrics Gastroenterology, Hepatology and Nutrition, University of Oklahoma Health Science Center, Oklahoma City, OK, USA.

- 10 10 *INCREASING NUMBER OF BIOPSIES INCREASES CHANCES TO ESTABLISH ACCURATE DIAGNOSIS IN PEDIATRIC ADENOCARCINOMA.* Bassam Younes. Gastroenterology Hepatology and Nutrition, Children's Hospital Orange County, Orange, CA, USA.
- 11 11 *COLONIC CARCINOID TUMOR.* Benjamin Kuhn<sup>1</sup>, Jagadeesh Ramdas<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology & Nutrition, Geisinger Health System, Danville, PA, USA; <sup>2</sup>Pediatric Hematology & Oncology, Geisinger Health System, Danville, PA, USA.
- 12 12 *ENDOSCOPIC FOREIGN BODY REMOVAL WITH AN EXTERNAL DEFIBRILLATOR MAGNET.* Benjamin Waddell, Sheela Deivanayagam. Pediatrics, Peyton Manning Childrens Hospital, Carmel, IN, USA.
- 13 13 *"WE AGREE, IT'S NOT IN YOUR HEAD!" THE SUCCESSES AND CHALLENGES OF INTEGRATING PSYCHOSOCIAL CARE: A REVIEW OF ONE YEAR WITH AN EMBEDDED PEDIATRIC PSYCHOLOGIST.* Bradley Jerson<sup>1,2,4</sup>, Barbara Rzepski<sup>2,3</sup>, Zev Davidovics<sup>1,4</sup>, Karan Emerick<sup>1,4</sup>, Melissa Fernandes<sup>1,4</sup>, Franziska Mohr<sup>1,4</sup>, Jasmeet Mokha<sup>1,4</sup>, Kristin Philipp<sup>1</sup>, Wael Sayej<sup>1,4</sup>, Heidi Sweeney<sup>1</sup>, Townsend Peter<sup>1,4</sup>, Bella Zeisler<sup>1,4</sup>, Jeffrey Hyams<sup>1,4</sup>. <sup>1</sup>Digestive Diseases, Hepatology, & Nutrition, Connecticut Children's Medical Center, Hartford, CT, USA; <sup>2</sup>Pediatric Psychology, Connecticut Children's Medical Center, Hartford, CT, USA; <sup>3</sup>Psychiatry, Hartford Hospital Institute of Living, Hartford, CT, USA; <sup>4</sup>Pediatrics, University of Connecticut, Storrs, CT, USA.
- 14 14 *THE ENDOSCOPIC AND HISTOLOGIC FINDINGS OF INFANTS WHO HAVE EXPERIENCED BRIEF RESOLVED UNEXPLAINED EVENTS.* Chaowapong Jarasvaraparn<sup>1</sup>, Maria Belen Rojas Gallegos<sup>1</sup>, Madhuri S. Mulekar<sup>2</sup>, Bin Wang<sup>2</sup>, David Gremse<sup>3</sup>, Karen D. Crissinger<sup>3</sup>. <sup>1</sup>Pediatrics, University of South Alabama, Mobile, AL, USA; <sup>2</sup>Department of Mathematics and Statistics, University of South Alabama, Mobile, AL, USA; <sup>3</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, University of South Alabama, Mobile, AL, USA.
- 15 15 *COLONOSCOPY ASSISTED CECOSTOMY TUBE REPLACEMENT TO SALVAGE LOST CECOSTOMY TRACT ACCESS IN CHILDREN.* Chinenye Dike, Riad Rahhal. Pediatrics, University of Iowa, Iowa City, IA, USA.
- 16 16 *SAFETY AND EFFICACY OF PERCUTANEOUS ENDOSCOPIC GASTROSTOMY TUBE FEEDINGS IN MALNOURISHED PEDIATRIC CANCER PATIENTS.* Claudia Phen<sup>1</sup>, Devendra Amre<sup>3</sup>, Michael Wilsey<sup>2</sup>. <sup>1</sup>Office of Medical Education, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA; <sup>3</sup>Clinical and Translational Research Organization, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA.
- 17 17 *APPENDICITIS: A POSSIBLE COMPLICATION OF COLONOSCOPY.* Colleen LeBlanc<sup>1</sup>, Andi Wang<sup>2</sup>, Alexandra Russell<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Vanderbilt University Medical Center, Nashville, TN, USA; <sup>2</sup>Vanderbilt University, Nashville, TN, USA.
- 18 18 *"JINGLE ALL THE WAY!"- FOREIGN BODIES EMBEDDED WITHIN THE ESOPHAGEAL MUCOSA DURING THE HOLIDAY SEASON.* Colleen Maier<sup>1</sup>, Michelle Rosario<sup>1</sup>, Victoria Falconer<sup>2</sup>, Emily Swan<sup>3</sup>, Alexander Wilsey<sup>3</sup>, Sorany Son<sup>2</sup>, Michael Wilsey<sup>4,5</sup>. <sup>1</sup>Internal Medicine and Pediatrics, University of South Florida, Tampa, FL, USA; <sup>2</sup>University of Florida, Gainesville, FL, USA; <sup>3</sup>Florida State University, Tallahassee, FL, USA; <sup>4</sup>Pediatrics, University of South Florida, Tampa, FL, USA; <sup>5</sup>Pediatric Gastroenterology, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA.
- 19 19 *IMPROVING CELIAC SCREENING FOR CHILDREN WITH TYPE 1 DIABETES AND LESSONS FROM FALSE POSITIVE SEROLOGY.* Daniel Mallon<sup>1</sup>, Nancy Crimmins<sup>2</sup>, Chijioke Ikomi<sup>2</sup>, Farida Mostajabi<sup>3</sup>, Sarah Corathers<sup>2</sup>, Dana Dykes<sup>1</sup>, Jessica Gahl<sup>2</sup>, Mary Jolly<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Endocrinology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>James M Anderson Center for Health Systems Excellence, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 20 20 *FOREIGN BODY INGESTIONS AMONG CHILDREN LESS THAN 6 YEARS OF AGE TREATED IN U.S. EMERGENCY DEPARTMENTS, 1995-2015.* Danielle Orsagh-Yentis<sup>1</sup>, Roxanne Clark<sup>2</sup>, Kristi Roberts<sup>2</sup>, Rebecca McAdams<sup>2</sup>, Lara McKenzie<sup>2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Nationwide Children's Hospital, Columbus,

OH, USA; <sup>2</sup>Center for Injury Research and Policy, The Research Institute at Nationwide Children's Hospital, Columbus, OH, USA.

- 21 21 *THERAPEUTIC ERCP WITH DIRECT CHOLANGIOSCOPY IN A 23 MONTH OLD FEMALE WITH TYPE IV-A CHOLEDOCHAL CYST.* David Freestone<sup>1,3</sup>, Andrew Huang Pacheco<sup>1,3</sup>, Michael Schafer<sup>2,3</sup>. <sup>1</sup>PEDGI, Nebraska Medical Center, Omaha, NE, USA; <sup>2</sup>Midwest GI, Omaha, NE, USA; <sup>3</sup>Children's Hospital of Omaha, Omaha, NE, USA.
- 22 22 *POST-ERCP PANCREATITIS IN CHILDREN - A REPORT FROM AN INTERNATIONAL MULTICENTER STUDY GROUP (PEDI DATABASE).* David Troendle<sup>1,2</sup>, Bradley Barth<sup>1,2</sup>, Douglas Fishman<sup>3,4</sup>, Quin Liu<sup>5</sup>, YUHUA ZHENG<sup>6,8</sup>, Matthew Giefer<sup>7,9</sup>, Kyung Mo Kim<sup>10,11</sup>, Luigi Dall'Oglio<sup>12</sup>, Giulia Angelino<sup>12</sup>, Paola DeAngelis<sup>12</sup>, Simona Faraci<sup>12</sup>, Mercedes Martinez<sup>13,14</sup>, Roberto Gugig<sup>15</sup>, Petar Mamula<sup>16</sup>, Samuel Bitton<sup>17,18</sup>, Michael Wilsey<sup>19</sup>, Khalaf Racha<sup>19</sup>, Steven Werlin<sup>20,21</sup>, Kulwinder Dua<sup>20,21</sup>, J. Antonio Quiros<sup>24</sup>, Amit Grover<sup>22,23</sup>, Victor Fox<sup>22,23</sup>. <sup>1</sup>Pediatrics, UT Southwestern, Dallas, TX, USA; <sup>2</sup>Children's Health Children's Medical Center, Dallas, TX, USA; <sup>3</sup>Baylor College of Medicine, Houston, TX, USA; <sup>4</sup>Texas Children's Hospital, Houston, TX, USA; <sup>5</sup>Cedars-Sinai Medical Center, Los Angeles, CA, USA; <sup>6</sup>Children's Hospital of Los Angeles, Los Angeles, CA, USA; <sup>7</sup>University of Washington, Seattle, WA, USA; <sup>8</sup>University of Southern California, Los Angeles, CA, USA; <sup>9</sup>Seattle Children's Hospital, Seattle, WA, USA; <sup>10</sup>University of Ulsan College of Medicine, Seoul, Korea (the Republic of); <sup>11</sup>Asan Medical Center Children's Hospital, Seoul, Korea (the Republic of); <sup>12</sup>Bambino Gesù Children's Hospital, Rome, Italy; <sup>13</sup>Columbia University, New York, NY, USA; <sup>14</sup>New York Presbyterian Morgan Stanley Children's Hospital of New York, New York, NY, USA; <sup>15</sup>Children's Hospital of Central California, Madera, CA, USA; <sup>16</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>17</sup>Hofstra North Shore-LIJ School of Medicine, New Hyde Park, NY, USA; <sup>18</sup>Steven and Alexandra Cohen Children's Medical Center, New Hyde Park, NY, USA; <sup>19</sup>Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA; <sup>20</sup>Medical College of Wisconsin, Milwaukee, WI, USA; <sup>21</sup>Children's Hospital of Wisconsin, Milwaukee, WI, USA; <sup>22</sup>Harvard Medical School, Boston, MA, USA; <sup>23</sup>Boston Children's Hospital, Boston, MA, USA; <sup>24</sup>MUSC Children's Hospital, Charleston, SC, USA.
- 23 23 *JUVENILE POLYP ARISING FROM THE APPENDICEAL MUCOSA FOLLOWING INVERSION-LIGATION APPENECTOMY.* Deepthi Sankepalli<sup>1</sup>, Ali Khalili<sup>1</sup>, Edward Barksdale<sup>2</sup>, Thomas Sferra<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University Hospitals Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Pediatric Surgery, University Hospitals Rainbow Babies and Children's Hospital, Cleveland, OH, USA.
- 24 24 *A RARE FINDING IN AN OTHERWISE ROUTINE COLONOSCOPY: SOLITARY GANGLIONEUROMA OF THE GASTROINTESTINAL TRACT.* Denise Do<sup>1</sup>, Senthilkumar Sankararaman<sup>2</sup>, Shahrazad Saab<sup>3</sup>, Jonathan Moses<sup>2</sup>, Virginia Baez-Socorro<sup>2</sup>. <sup>1</sup>Pediatrics, University Hospitals / Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Pediatric Gastroenterology, University Hospitals / Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>3</sup>Pathology, University Hospitals / Rainbow Babies and Children's Hospital, Cleveland, OH, USA.
- 25 25 *ESOPHAGEAL ADENOCARCINOMA IN A MALE TEENAGER.* Desiree Rivera-Nieves<sup>1</sup>, Khaled Bittar<sup>1</sup>, Alejandro Levy<sup>2</sup>, Yamen Smadi<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UF/Arnold Palmer Hospital, Orlando, FL, USA; <sup>2</sup>Pediatric Hematology/Oncology, Arnold Palmer Hospital/Orlando Health, Orlando, FL, USA.
- 26 26 *A RARE CAUSE OF RECURRENT LOWER GASTROINTESTINAL BLEEDING IN AN ADOLESCENT BOY: FOCAL NODULAR LYMPHOID HYPERPLASIA.* Gonca Ustundag<sup>1</sup>, Yasemin Soysal<sup>1</sup>, Ibrahim Piskin<sup>2</sup>, Zuhail Ornek<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Bulent Ecevit University, Zonguldak, Turkey; <sup>2</sup>Pediatric Intensive Care Unit, Bulent Ecevit University, Zonguldak, Turkey; <sup>3</sup>Pediatrics, Bulent Ecevit University, Zonguldak, Turkey.

## EoE/GERD/AERODIGESTIVE

- 27 27 *THERAPY ASSOCIATED BACTERIAL AND FUNGAL DYBIOSIS IN EOSINOPHILIC ESOPHAGITIS.* Alain Benitez, Kyle Bittinger, Ceylon Tanes, Casey Hofstaedter, Dorothy Kim, Jonathan gross, Jonathan Spergel, Amanda Muir. Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 28 28 *IGG4 STAINING IS AN UNRELIABLE DIAGNOSTIC MARKER IN EOSINOPHILIC ESOPHAGITIS.* Amanda Pope<sup>1</sup>, Bitu Naini<sup>5</sup>, Maria Garcia-Lloret<sup>2</sup>, Kevin Ghassemi<sup>3</sup>, Elizabeth Marcus<sup>1,4</sup>, Martin Martin<sup>1</sup>, Laura Wozniak<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UCLA, Los Angeles, CA, USA; <sup>2</sup>Allergy and Immunology, UCLA, Los Angeles, CA, USA; <sup>3</sup>Gastroenterology, UCLA, Los Angeles, CA, USA; <sup>4</sup>VA GLAHS, Los Angeles, CA, USA; <sup>5</sup>Pathology and Laboratory Medicine, UCLA, Los Angeles, CA, USA.
- 29 29 *3 YEAR OLD MALE WITH RECURRENT EROSIIVE ESOPHAGITIS, SEVERE ANEMIA, MELENA AND HYPOALBUMENIA IMPROVED AFTER NISSEN FUNDOPLICATION.* Amrita Kahlon, Inna Novak, Peter Costa, Macy Carobene, John Thompson, Anthony Loizides. Pediatric Gastroenterology and nutrition, Children's Hospital at Montefiore, BRONX, NY, USA.
- 30 30 *THE IL-10/IL-5 RATIO AS A POTENTIAL TOOL FOR MONITORING THE INFLAMMATORY PROCESS IN EOSINOPHILIC ESOPHAGITIS.* Angela Pressley-Wallace<sup>1,2</sup>, Chris Foster<sup>2</sup>, Todd Jensen<sup>2</sup>, Christine Finck<sup>3,2</sup>, Wael Sayej<sup>1,2</sup>. <sup>1</sup>Digestive Diseases, Hepatology and Nutrition, Connecticut Childrens Medical Center, Hartford, CT, USA; <sup>2</sup>University of Connecticut School of Medicine, Farmington, CT, USA; <sup>3</sup>Pediatric Surgery, Connecticut Childrens Medical Center, Hartford, CT, USA.
- 31 31 *LOEYS-DIETZ SYNDROME: A MONOGENIC PRESENTATION OF EOSINOPHILIC ESOPHAGITIS.* Anthony Guerrero<sup>1</sup>, Karen Laky<sup>2</sup>, Jessica Kinard<sup>2</sup>, Harry Dietz<sup>3,4</sup>, Pamela Frischmeyer-Guerrero<sup>2</sup>. <sup>1</sup>Pediatrics, Johns Hopkins University School of Medicine, Baltimore, MD, USA; <sup>2</sup>National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, USA; <sup>3</sup>Institute of Genetic Medicine, Johns Hopkins School of Medicine, Baltimore, MD, USA; <sup>4</sup>Howard Hughes Medical Institute, Baltimore, MD, USA.
- 32 32 *TH2 VS. TH1 IMMUNE POLARIZATION DISTINGUISHES EOSINOPHILIC ESOPHAGITIS FROM GASTROESOPHAGEAL REFLUX DISEASE.* Benjamin Wright<sup>1,2</sup>, Nathalie Nguyen<sup>3,4</sup>, Joanne Masterson<sup>3,4</sup>, Kelly Shim<sup>1,2</sup>, James Lee<sup>1</sup>, Glenn Furuta<sup>3,4</sup>. <sup>1</sup>Mayo Clinic Arizona, Scottsdale, AZ, USA; <sup>2</sup>Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>3</sup>Children's Hospital of Colorado, Aurora, CO, USA; <sup>4</sup>University of Colorado School of Medicine, Aurora, CO, USA.
- 33 33 *EVALUATION OF SECOND OPINION PATIENTS WITH ESOPHAGEAL EOSINOPHILIA: A 5-YEAR REVIEW.* Bridget Godwin<sup>1</sup>, Chris Liacouras<sup>1</sup>, Vijay Mehta<sup>2</sup>, Josh Eisenberg<sup>3</sup>, Amanda Muir<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Pediatrics, Cooper Medical School of Rowan University, Camden, NJ, USA; <sup>3</sup>Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 34 34 *UPPER GASTROINTESTINAL CONTRAST SERIES: THE BEST WAY TO DIAGNOSE MALROTATION? A RETROSPECTIVE REVIEW OF SYMPTOMS AND ABDOMINAL ULTRASOUND FOR SUSPICION OF OBSTRUCTION/MALROTATION.* Brigitte Moreau<sup>1</sup>, Amelie Carbonneau-Cerat<sup>2</sup>. <sup>1</sup>pediatric Gastroenterology, Sherbrooke University Health Center, Sherbrooke, QC, Canada; <sup>2</sup>Sherbrooke University Health Center, Sherbrooke, QC, Canada.
- 35 35 *COLLAGENOUS GASTRITIS: A CASE REPORT AND REVIEW OF LITERATURE.* Carla Cartagena De Jesus, Richa Jain, Martin Demant, Lauren Nicholls, Hassan Hassan. Pediatrics, University of Arizona, Tucson, AZ, USA.
- 36 36 *EOSINOPHILIC ESOPHAGITIS IN A CHILD WITH LYMPHANGIOENDOTHELIOMATOSIS.* Carter Wallace. Pediatrics, University of Alabama at Birmingham, Birmingham, AL, USA.
- 37 37 *THE CHARACTERISTICS OF ESOPHAGEAL MULTICHANNEL INTRALUMINAL IMPEDANCE-PH MEASUREMENTS IN INFANTS EXPERIENCING BRIEF RESOLVED UNEXPLAINED EVENTS.* Chaowapong Jarasvaraparn<sup>1</sup>, Maria Belen Rojas Gallegos<sup>1</sup>, Madhuri S. Mulekar<sup>2</sup>, Bin Wang<sup>2</sup>, David Gremse<sup>3</sup>, Karen

Crissinger<sup>3</sup>. <sup>1</sup>Pediatrics, University of South Alabama, Mobile, AL, USA; <sup>2</sup>Department of Mathematics and Statistics, University of South Alabama, Mobile, AL, USA; <sup>3</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, University of South Alabama, Mobile, AL, USA.

- 38 38 *COUNTRY, CRITTERS, AND CAMO: CHRONIC ABDOMINAL PAIN AS A PRESENTATION OF CHILDREN WITH ALPHA-GAL ALLERGY.* Craig McKinney<sup>1</sup>, Emily McGowan<sup>2</sup>, Barrett Barnes<sup>3</sup>. <sup>1</sup>Pediatrics, University of Virginia Children's Hospital, Charlottesville, VA, USA; <sup>2</sup>Allergy/Clinical Immunology, University of Virginia, Charlottesville, VA, USA; <sup>3</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, University of Virginia Children's Hospital, Charlottesville, VA, USA.
- 39 39 *PROTON PUMP INHIBITORS WORSEN HOSPITALIZATION RISK IN PEDIATRIC PATIENTS WITH ASPIRATION.* Daniel Duncan, Paul Mitchell, Kara Larson, Lisa Hester, Maireade McSweeney, Rachel Rosen. Gastroenterology, Boston Children's Hospital, Boston, MA, USA.
- 40 40 *HYPOALBUMINEMIA AND ANEMIA IN A CHILD WITH EROSIIVE ESOPHAGITIS.* Desiree Rivera-Nieves<sup>1</sup>, Khaled Bittar<sup>1</sup>, Robert Sutphin<sup>2</sup>, Yamen Smadi<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UF/Arnold Palmer Hospital, Orlando, FL, USA; <sup>2</sup>Pediatric Hematology/Oncology, Arnold Palmer Hospital/Orlando Health, Orlando, FL, USA.
- 41 41 *FECAL CALPROTECTIN AS A RELIABLE MAKER FOR DIFFERENTIATING EOSINOPHILIC GASTROINTESTINAL DISORDERS FROM INFLAMMATORY BOWEL DISEASE AND FUNCTIONAL ABDOMINAL PAIN IN CHILDREN.* Do Hyun Kim<sup>1</sup>, Jim Min Cho<sup>1</sup>, Hye Ran Yang<sup>1,2</sup>. <sup>1</sup>Department of Pediatrics, Seoul National University Bundang Hospital, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea (the Republic of); <sup>2</sup>Seoul National University, College of Medicine, Seoul, Korea (the Republic of).
- 42 42 *A NOVEL MOUSE MODEL OF PEDIATRIC EOSINOPHILIC ESOPHAGITIS THROUGH CONDITIONAL IL-13 OVEREXPRESSION.* Dominique Bailey<sup>1</sup>, Yongchun Zhang<sup>2</sup>, Ming Jiang<sup>2</sup>, Jianwen Que<sup>2</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Columbia University Medical Center, Morgan Stanley Children's Hospital of New York Presbyterian, New York, NY, USA; <sup>2</sup>Division of Digestive and Liver Diseases and Center for Human Development, Department of Medicine, Columbia University Medical Center, New York, NY, USA.
- 43 43 *ORAL VISCOUS MOMETASONE TO TREAT EOSINOPHILIC ESOPHAGITIS IN CHILDREN.* Elizabeth Hait<sup>1</sup>, Eitan Rubinstein<sup>1</sup>, Peter Ngo<sup>1</sup>, kathryn Vukson<sup>1</sup>, Douglas McDonald<sup>2</sup>, John Lee<sup>2</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Allergy and Immunology, Boston Children's Hospital, Boston, MA, USA.
- 44 44\* *EOSINOPHILIC ESOPHAGITIS REFERENCE SCORE ACCURATELY IDENTIFIES DISEASE ACTIVITY AND TREATMENT EFFECT IN CHILDREN.* Scott Bolton<sup>1</sup>, Joshua Wechsler<sup>1,2</sup>, Katie Amsden<sup>5</sup>, Barry Wershil<sup>1</sup>, ikuo hirano<sup>3</sup>, Amir Kagalwalla<sup>1,4</sup>. <sup>1</sup>Pediatrics, Division of Gastroenterology, Hepatology & Nutrition, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>2</sup>Medicine, Division of Allergy & Immunology, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>3</sup>Medicine, Gastroenterology and Hepatology, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>4</sup>Pediatrics, John H. Stroger Cook County Hospital, Chicago, IL, USA; <sup>5</sup>Pediatric, Ann & Robert H. Lurie Childrens Hospital of Chicago, Chicago, IL, USA.
- 45 45 *MULTICHANNEL INTRALUMINAL IMPEDANCE WITH PH TESTING REDUCES PROTON PUMP INHIBITOR USAGE IN CHILDREN WITH NONEROSIVE REFLUX.* Lisa Mahoney, Rachel Rosen. GI/Nutrition, Boston Children's Hospital, Boston, MA, USA.
- 46 46 *THE EPIDEMIOLOGY AND COST OF INPATIENT CARE FOR PATIENTS WITH EOSINOPHILIC ESOPHAGITIS IN THE UNITED STATES.* Ransome Eke<sup>1</sup>, Duncan Vos<sup>1</sup>, Laura Bauler<sup>1</sup>, Sharat Kamath<sup>2</sup>, Andrey Leonov<sup>1</sup>. <sup>1</sup>Western Michigan University Homer Stryker School of Medicine, Kalamazoo, MI, USA; <sup>2</sup>Kalamazoo College, Kalamazoo, MI, USA.

- 47 47 *DIAGNOSIS AND MANAGEMENT OF EOSINOPHILIC ESOPHAGITIS WITH A THROAT SWAB.* Shauna Schroeder<sup>1,2</sup>, Kelly Shim<sup>1,3</sup>, Sergei Ochkur<sup>3</sup>, Katie Galvin<sup>2</sup>, James Lee<sup>3</sup>, Benjamin Wright<sup>1,2,3</sup>. <sup>1</sup>Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>2</sup>University of Arizona College of Medicine, Phoenix, AZ, USA; <sup>3</sup>Mayo Clinic, Scottsdale, AZ, USA.

#### FUNCTIONAL/MOTILITY

- 48 48 *ATYPICAL PRESENTATION OF PYLORIC STENOSIS.* Albert Chan, Esther Prince. Pediatric Gastroenterology, University of Rochester Medical Center, North Chili, NY, USA.
- 49 49 *SALIVARY PEPSIN DETECTION AS A GASTROESOPHAGEAL REFLUX DISEASE MARKER IN A PEDIATRIC POPULATION.* Andres Bodas<sup>1</sup>, Ana Garrido<sup>1</sup>, Julio Perez de la Serna<sup>2</sup>, Arantxa Recio<sup>1</sup>, Raquel Vecino<sup>1</sup>, Antonio Ruiz de Leon<sup>2</sup>. <sup>1</sup>Pediatrics Gastroenterology, Hospital Clinico San Carlos, Madrid, Madrid, Spain; <sup>2</sup>Gastroenterology, Hospital Clinico San Carlos, Madrid, Madrid, Spain.
- 50 50 *UPPER GASTROINTESTINAL SYMPTOMS IN ORTHOSTATIC INTOLERANCE/POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) ARE RELATED TO FUNCTIONAL AND NOT ORGANIC ABNORMALITIES.* Lana Zhang<sup>2</sup>, Jeff Moak<sup>3</sup>, John Desbiens<sup>1</sup>, Lindsay Clarke<sup>1</sup>, Robin Fabian<sup>3</sup>, Teena Sebastian<sup>1</sup>, Sruvan Matta<sup>1</sup>, Anil Darbari<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's National, Washington, USA; <sup>2</sup>Children's National, Washington, USA; <sup>3</sup>Cardiology, Children's National, Washington, USA.
- 51 51 *INTESTINAL DUPLICATION CYST MASQUERADING AS COLITIS IN 4 MONTH OLD.* Anne Murphy<sup>1</sup>, Stefany Honigbaum<sup>3,2</sup>, Natalie Sikka<sup>3,2</sup>, Nakul Jerath<sup>4</sup>, Suchitra Hourigan<sup>3,2</sup>. <sup>1</sup>Pediatrics, Inova Children's Hospital, Falls Church, VA, USA; <sup>2</sup>Pediatric Gastroenterology, Pediatric Specialists of Virginia, Fairfax, VA, USA; <sup>3</sup>Pediatric Gastroenterology, Inova Children's Hospital, Falls Church, VA, USA; <sup>4</sup>Pediatric Radiology, Inova Children's Hospital, Falls Church, VA, USA.
- 52 52 *CASE SERIES: SUCCESSFUL TREATMENT OF GASTROPARESIS WITH GASTRIC ELECTRICAL STIMULATOR IN CYSTIC FIBROSIS PATIENTS.* April Mathews<sup>3</sup>, Reinaldo Garcia-Naveiro<sup>1</sup>, Brandon Arnold<sup>3</sup>, Todd Ponsky<sup>2</sup>. <sup>1</sup>Gastroenterology, Akron Children's Hospital, Akron, OH, USA; <sup>2</sup>Pediatric Surgery, Akron Children's Hospital, Akron, OH, USA; <sup>3</sup>Medical Education, Akron Children's Hospital, Akron, OH, USA.
- 53 53 *CAN THE HIGH-RESOLUTION ELECTROGASTROGRAM SEPARATE ANTRAL AND PYLORIC ACTIVITY IN CHILDREN?* Armen Gharibans<sup>1,2</sup>, Todd Coleman<sup>1</sup>, Hayat Mousa<sup>2,3</sup>. <sup>1</sup>Department of Bioengineering, University of California-San Diego, La Jolla, CA, USA; <sup>2</sup>Department of Pediatrics, University of California-San Diego, La Jolla, CA, USA; <sup>3</sup>Neurogastroenterology and Motility Center, Rady Children's Hospital, San Diego, CA, USA.
- 54 54 *AN EPIDEMIOLOGICAL STUDY EXPLORING THE PREVALENCE OF FUNCTIONAL GASTROINTESTINAL DISORDERS IN SOUTH AMERICAN INFANTS.* Ashish Chogle<sup>1</sup>, Carlos Velasco-Benitez<sup>4</sup>, Ricardo Chanis<sup>2</sup>, Milton Mejia<sup>3</sup>, Miguel Saps<sup>5</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital of Orange County, Orange, CA, USA; <sup>2</sup>Hospital del Niño, Ciudad de Panamá, Panama; <sup>3</sup>Hospital Infantil de Nicaragua, Managua, Nicaragua; <sup>4</sup>Universidad del Valle, Cali, Colombia; <sup>5</sup>Nationwide Children's Hospital, Columbus, OH, USA.
- 55 55 *SEASONAL VARIATIONS IN PEDIATRIC ABDOMINAL PAIN CONSULTATIONS.* Ashley Debeljak<sup>1,2</sup>, Katherine Lamparyk<sup>2,3</sup>, Lori Mahajan<sup>3</sup>. <sup>1</sup>Psychology, Wright State University School of Professional Psychology, Dayton, OH, USA; <sup>2</sup>Center for Pediatric Behavioral Health, Cleveland Clinic Children's Hospital, Cleveland, OH, USA; <sup>3</sup>Pediatric Gastroenterology, Cleveland Clinic Children's Hospital, Cleveland, OH, USA.
- 56 56 *BASELINE CHARACTERISTICS AND OUTCOME PREDICTORS IN PEDIATRIC PATIENTS WITH PAIN-PREDOMINANT FUNCTIONAL GASTROINTESTINAL DISORDERS (FGID).* Beate Beinvog<sup>1</sup>, Elizabeth Burch<sup>1</sup>, Julie Snyder Christiana<sup>1</sup>, Neil Schechter<sup>2</sup>, Fiona Paul<sup>1</sup>, Karen Warman<sup>1</sup>, Yoshiko Okazaki<sup>1</sup>, Amelia Sparrow<sup>1</sup>, Samuel Nurko<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Department of Anesthesiology, Perioperative and Pain Medicine, Boston Children's Hospital, Boston, MA, USA.

- 57 57 *STERCORAL COLITIS - A RARE AND LIFE-THREATENING PRESENTATION OF STOOL-WITHHOLDING BEHAVIOR AND CHRONIC CONSTIPATION.* Brad Constant<sup>1</sup>, Hansel Otero<sup>2</sup>, Aisha Barber<sup>3</sup>. <sup>1</sup>Pediatrics, Children's National Medical Center, Washington, USA; <sup>2</sup>Radiology, Children's National Medical Center, Washington, USA; <sup>3</sup>Hospitalist Medicine, Children's National Medical Center, Washington, USA.
- 58 58 *SEVERE COLONIC FECAL IMPACTION, STERCORAL COLITIS AND LIVER DISPLACEMENT IN AN ADOLESCENT MALE WITH CHRONIC CONSTIPATION.* Brandon Sparks<sup>1</sup>, Brendan Boyle<sup>1,2</sup>, Desale Yacob<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>The Ohio State University, Columbus, OH, USA.
- 59 59 *INTRACTABLE VOMITING AS A LATE COMPLICATION OF A VENTRICULOCHOLECYSTIC SHUNT.* Daniel Lapp<sup>4</sup>, Ricardo Arbizu<sup>1</sup>, Nagraj Kasi<sup>1</sup>, Meryle Eklund<sup>2</sup>, Ramin Eskandari<sup>3</sup>, John Chandler<sup>5</sup>, Earl Troup<sup>6</sup>, Candi Jump<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA; <sup>2</sup>Pediatric Radiology, Medical University of South Carolina, Charleston, SC, USA; <sup>3</sup>Pediatric Neurosurgery, Medical University of South Carolina, Charleston, SC, USA; <sup>4</sup>Pediatrics, Medical University of South Carolina, Charleston, SC, USA; <sup>5</sup>Pediatric Surgery, Greenville Health System Children's Hospital, Greenville, SC, USA; <sup>6</sup>Pediatric Neurosurgery, Greenville Health System Children's Hospital, Greenville, SC, USA.
- 60 60 *RISK FACTORS FOR FUNCTIONAL GASTROINTESTINAL DISORDERS IN CHILDREN AND ADOLESCENTS.* Carlos Velasco-Benitez<sup>1</sup>, Katherine Arias<sup>2</sup>, Miguel Saps<sup>3</sup>. <sup>1</sup>Pediatrics, Universidad del Valle, Cali, Colombia; <sup>2</sup>Grupo de Investigacion Gastrointestinal Univalle, Cali, Colombia; <sup>3</sup>Department of Pediatric Gastroenterology, Hepatology, and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA.
- 61 61 *TRANSIENT JEJUNO-JEJUNAL INTUSSUSCEPTION IN AN ADOLESCENT PATIENT.* Chickajajur Vijay, Charles Chen. Pediatrics, West Virginia University, Morgantown, WV, USA.
- 62 62 *COEXISTING OF TWO RARE PATHOLOGIES: STOMACH PERFORATION AND ACCESSORY SPLEEN TORSION* Çi dem El<sup>1</sup>, Mehmet Çelikkaya<sup>2</sup>, Ahmet Atici<sup>2</sup>, Bülent Akçora<sup>2</sup>. <sup>1</sup>Pediatrics, Mustafa Kemal University, Hatay, Turkey; <sup>2</sup>Pediatric Surgery, Mustafa Kemal University, Hatay, Turkey.
- 63 63 *GASTROINTESTINAL SYMPTOMS AND CONTINENCE IN PATIENTS WITH PHELAN MCDERMID SYNDROME.* Aviva Mattingly<sup>1</sup>, Precilla D'Souza<sup>3</sup>, Jill Leon<sup>2</sup>, Bethany Sauls<sup>2</sup>, Audrey Thurm<sup>2</sup>, Colleen Hadigan<sup>1</sup>. <sup>1</sup>NIAID, National Institutes of Health, Bethesda, MD, USA; <sup>2</sup>NIMH, National Institutes of Health, Bethesda, MD, USA; <sup>3</sup>NHGRI, National Institutes of Health, Bethesda, MD, USA.
- 64 64 *A NOVEL TECHNIQUE FOR TEMPORARY GASTRIC ELECTRICAL STIMULATOR LEAD PLACEMENT IN CHILDREN.* Desale Yacob<sup>1</sup>, Peter Lu<sup>1</sup>, Karen Diefenbach<sup>2</sup>, Dominic Papandria<sup>2</sup>, Carlo Di Lorenzo<sup>1</sup>. <sup>1</sup>Pediatric GI, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Pediatric Surgery, Nationwide Children's Hospital, Columbus, OH, USA.
- 65 65 *PEDIATRIC OUTPATIENT INTENSIVE FEEDING THERAPY: A TERTIARY CENTER'S EXPERIENCE.* Desiree Rivera-Nieves, Khaled Bittar, Devendra Mehta, Karoly Horvath. Pediatric Gastroenterology, UF/Arnold Palmer Hospital, Orlando, FL, USA.
- 66 66 *THE ROLE AND MECHANISM OF PROTEIN TYROSINE PHOSPHATASE RECEPTOR R (PTPRR) IN THE DEVELOPMENT OF ENTERIC NERVOUS SYSTEM AND ITS MULTIPOTENT PROGENITOR.* Jiao Tian<sup>2</sup>, Ni-Ni Zhang<sup>2</sup>, Zhen Shu<sup>3</sup>, Xun Jiang<sup>2</sup>, Bao-Xi Wang<sup>2</sup>, Ding-You Li<sup>1</sup>. <sup>1</sup>Pediatrics, Children's Mercy Hospital Kansas City, Kansas City, MO, USA; <sup>2</sup>Pediatrics, Tangdu hospital of Fourth Military Medical University, Xi'An, China; <sup>3</sup>Biopharmaceuticals, College of Pharmacy of Fourth Military Medical University, Xi'An, China.
- 67 67 *NONINVASIVE DETECTION OF COLORECTAL ACTIVITY BY EMG AND ELECTRICAL BIOIMPEDANCE.* John Rosen<sup>1</sup>, Francisco Vargas-Luna<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Physical Engineering, University of Guanajuato, León, Guanajuato, Mexico.

- 68 68 *ANTRAL MOTILITY IN IDIOPATHIC GASTROPARESIS*. Jacob Wang, Shazia Malik, Khalil El-Chammas, Ajay Kaul. Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 69 69 *SACRAL NERVE STIMULATION OR ANTEGRADE CONTINENCE ENEMA TREATMENT FOR CHILDREN WITH INTRACTABLE CONSTIPATION AND FECAL INCONTINENCE?* Mana Vriesman<sup>2,1</sup>, Peter Lu<sup>2</sup>, Karen Diefenbach<sup>3</sup>, Seth Alpert<sup>4</sup>, Marc Benninga<sup>1</sup>, Karla Vaz<sup>2</sup>, Desale Yacob<sup>2</sup>, Carlo Di Lorenzo<sup>2</sup>. <sup>1</sup>Department of Gastroenterology and Nutrition, Emma Children's Hospital / Academic Medical Center, Amsterdam, Netherlands; <sup>2</sup>Division of Gastroenterology, Hepatology and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA; <sup>3</sup>Department of Surgery, Nationwide Children's Hospital, Columbus, OH, USA; <sup>4</sup>Division of Urology, Nationwide Children's Hospital, Columbus, OH, USA.
- 70 70 *COLONIC MUCOSAL EOSINOPHILIA IN CHILDREN*. Meenal Singh<sup>1,2</sup>, Vivek Singh<sup>2</sup>, Craig Friesen<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Mercy Hospital, Overland Park, KS, USA; <sup>2</sup>Pathology, Children's Mercy Kansas City, Kansas City, MO, USA.
- 71 71 *PROXIMAL COLONIC DILATION AFTER ANTEGRADE CONTINENCE ENEMA TREATMENT IN CHILDREN WITH SEVERE CONSTIPATION*. Mhd Louai Manini<sup>1,4,5</sup>, Peter Lu<sup>4</sup>, Benjamin Thompson<sup>2</sup>, Ilan Koppen<sup>3</sup>, Karla Vaz<sup>4</sup>, Desale Yacob<sup>4</sup>, Carlo Di Lorenzo<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Pediatric Radiology, Nationwide Children's Hospital, Columbus, OH, USA; <sup>3</sup>Pediatric Gastroenterology and Nutrition, Emma Children's Hospital, Amsterdam, Netherlands; <sup>4</sup>Pediatric Gastroenterology and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA; <sup>5</sup>Center of Enteric Neuroscience Translational and Epidemiological Research (C.E.N.T.E.R.), Mayo Clinic, Rochester, MN, USA.
- 72 72 *JUVENILE SYSTEMIC SCLEROSIS: GASTROINTESTINAL SYMPTOM EVALUATION AND MANAGEMENT OF A RARE PEDIATRIC DISEASE*. Xiaoyi Zhang<sup>2</sup>, Elizabeth Antonio<sup>2</sup>, Nagraj Kasi<sup>1</sup>, Candi Jump<sup>1</sup>, Ricardo Arbizu<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA; <sup>2</sup>Pediatrics, Medical University of South Carolina, Charleston, SC, USA.
- 73 73 *GOOD OUTCOME OF INTESTINAL VOLVULUS WITHOUT MALROTATION IN A NEWBORN; CASE SERIES*. Waka Hasebe<sup>1,2</sup>, Yuichi Kato<sup>2</sup>, Hideyuki Asada<sup>2</sup>, Tatsuya Fukasawa<sup>2</sup>, Tetsuo Hattori<sup>2</sup>, Tetsuo Kubota<sup>2</sup>, Satoshi Makita<sup>3</sup>. <sup>1</sup>Pediatrics, Komaki City Hospital, Komaki, Aichi, Japan; <sup>2</sup>Pediatrics, Anjo Kosei Hospital, Anjo, Aichi, Japan; <sup>3</sup>Pediatric surgery, Anjo Kosei Hospital, Anjo, Aichi, Japan.
- 74 74 *ABDOMINAL MIGRAINES: ASSESSING STANDARDIZATION OF DIAGNOSIS AND TREATMENT*. Shivani Gupta, Kathryn Hawa, Miguel Saps. Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA.

### INFLAMMATORY BOWEL DISEASE

- 75 75 *DIAGNOSING INFLAMMATORY BOWEL DISEASE IN A SEVERELY ANEMIC JEHOVAH'S WITNESS: ETHICAL AND MEDICAL CONSIDERATIONS*. Amrita Kahlon<sup>1</sup>, Erealda Prendaj<sup>1</sup>, Myriah Zeien-Tarantelli<sup>1</sup>, Peter Costa<sup>1</sup>, Inna Novak<sup>1</sup>, Alan Fleischman<sup>2</sup>, Gitit Tomer<sup>1</sup>, Anthony Loizides<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology and nutrition, Children's hospital at Montefiore, BRONX, NY, USA; <sup>2</sup>Pediatrics, Children's hospital at Montefiore, BRONX, NY, USA.
- 76 76 *PREVALENCE OF CHRONIC OPIOID USE AMONG ADOLESCENTS AND YOUNG ADULTS WITH INFLAMMATORY BOWEL DISEASE*. Anava Wren<sup>1</sup>, Rachel Bensen<sup>1</sup>, Helen Yu<sup>1</sup>, Jessie Wong<sup>2</sup>, Donna MacIsaac<sup>1,3</sup>, Zachary Sellers<sup>1</sup>, Cindy Kin<sup>3</sup>, KT Park<sup>1</sup>. <sup>1</sup>Department of Pediatrics, Stanford University, Palo Alto, CA, USA; <sup>2</sup>Department of Medicine, Stanford University, Palo Alto, CA, USA; <sup>3</sup>Department of Surgery, Stanford University, Palo Alto, CA, USA.
- 77 77 *YOGA FOR YOUTH WITH INFLAMMATORY BOWEL DISEASE: A PILOT FEASIBILITY STUDY*. Jenna Arruda<sup>2</sup>, Alyssa Bogetz<sup>2</sup>, Anava Wren<sup>1</sup>, Srisindu Vellanki<sup>2</sup>, Ann Ming Yeh<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Stanford University, Stanford, CA, USA; <sup>2</sup>Department of Pediatrics, Stanford University, Stanford, CA, USA.

- 78 78 *SELECTIVE LACTASE DEFICIENCY IS COMMON IN PEDIATRIC PATIENTS UNDERGOING UPPER ENDOSCOPY.* Annie Goodwin, Lina Karam, Gopal Gopalakrishna, Richard Kellermayer. Pediatric Gastroenterology, Hematology, and Nutrition, Baylor College of Medicine, Houston, TX, USA.
- 79 79 *PATIENT ENGAGEMENT IN RESEARCH: USING THE JAMES LIND ALLIANCE PROCESS TO IDENTIFY THE TOP 10 UNANSWERED QUESTIONS IN PEDIATRIC IBD.* Anthony Otley<sup>1,2</sup>, Anne Griffiths<sup>3</sup>, Amanda Hood<sup>2</sup>, Melissa Crane<sup>2</sup>, Kate Murray<sup>4</sup>, Marie-Josée Trempe<sup>5</sup>, Muneet Maghera<sup>4</sup>, Malcolm Mann<sup>4</sup>, Cheryl Kluthe<sup>6</sup>, Melissa Mansi<sup>4</sup>, Andreas Laupacis<sup>7</sup>, Amy Grant<sup>2</sup>. <sup>1</sup>Pediatrics, Dalhousie University, Halifax, NS, Canada; <sup>2</sup>Pediatrics, IWK Health Centre, Halifax, NS, Canada; <sup>3</sup>Pediatrics, SickKids, Toronto, ON, Canada; <sup>4</sup>Canadian Children's IBD Network (CIDsCANN), Toronto, ON, Canada; <sup>5</sup>Pediatrics, Montreal Children's Hospital, Montreal, QC, Canada; <sup>6</sup>Pediatrics, Stollery Children's Hospital, Edmonton, AB, Canada; <sup>7</sup>Medicine, St Michael's Hospital, Toronto, ON, Canada.
- 80 80 *USTEKINUMAB USE IN PEDIATRIC INFLAMMATORY BOWEL DISEASE.* Ayesha Fatima<sup>2</sup>, Olufunke Adeyemo<sup>1</sup>. <sup>1</sup>Pediatrics, William Beaumont Hospital, Royal Oak, MI, USA; <sup>2</sup>Oakland University William Beaumont School of Medicine, Royal Oak, MI, USA.
- 81 81 *CORRELATION OF COLONOSCOPY WITH MAGNETIC RESONANCE ENTEROGRAPHY (MRE) AND FECAL CALPROTECTIN (FC) IN DIAGNOSIS OF PEDIATRIC INFLAMMATORY BOWEL DISEASE (IBD).* Basavaraj Kerur<sup>1</sup>, Navneetha Unnikrishnan<sup>1</sup>, Alison Chambers<sup>2</sup>, Carolina Cerezo<sup>1</sup>, Jason Shapiro<sup>1</sup>, Neal LeLeiko<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Brown University, Providence, RI, USA; <sup>2</sup>Lifespan Biostatistics Core, Rhode Island Hospital, Providence, RI, USA.
- 82 82 *SUCCESSFUL TREATMENT OF REFRACTORY COLLAGENOUS GASTROENTEROPATHY AND COLITIS WITH METHOTREXATE: A CASE REPORT.* Beate Beinvoig<sup>1</sup>, Jeffrey Goldsmith<sup>2</sup>, Ramalingam Arumugam<sup>3</sup>, Michelle Kennedy<sup>3</sup>, Mani Mokalla<sup>4</sup>, Menno Verhave<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Pathology, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Minnesota Gastroenterology, PA, St. Paul, MN, USA; <sup>4</sup>Children's Minnesota, Minneapolis, MN, USA.
- 83 83 *VEDOLIZUMAB EFFECTIVENESS IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE (IBD).* Ana Ramirez<sup>1</sup>, Glen Lewis<sup>1</sup>, Laura Eshee<sup>2</sup>, Olga Sherrod<sup>1</sup>, Larry Sariipkin<sup>1</sup>, Steven Liu<sup>1</sup>, Jose Garza<sup>1</sup>, Clair Talmadge<sup>1,3</sup>, Stanley Cohen<sup>1</sup>, Seth Marcus<sup>1</sup>, Jeffrey Blumenthal<sup>1</sup>, William Meyers<sup>1</sup>, Jeffery Lewis<sup>1</sup>, Jay Hochman<sup>1</sup>, Benjamin Gold<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Center for Digestive Healthcare, LLC, Atlanta, GA, USA; <sup>2</sup>GI Clinical Research, Children's Health Care of Atlanta, Atlanta, GA, USA; <sup>3</sup>GI Physician Assistant, Children's Health Care of Atlanta, Atlanta, GA, USA.
- 84 84 *IDIOPATHIC JEJUNOILEITIS IN A PEDIATRIC PATIENT.* Boram Ji, Kalpana Murthy. Department of Pediatrics, Sinai Hospital of Baltimore, Baltimore, MD, USA.
- 85 85 *IMPACT OF PHYSICAL EXERCISE ON HEALTH RELATED QUALITY OF LIFE AND DISEASE ACTIVITY IN PEDIATRIC PATIENTS WITH CROHN'S DISEASE.* Brian Maksimak, Katherine Lamparyk, Praveen Kumar Conjeevaram Selvakumar, Lori Mahajan. Peds GI, Cleveland Clinic, Cleveland, OH, USA.
- 86 86 *INPATIENT PEDIATRIC GASTROENTEROLOGY PSYCHOLOGY CONSULTATION-LIAISON SERVICES: INITIAL DEVELOPMENT AND IMPLICATIONS FOR FUTURE DIRECTIONS.* Brittany Gres<sup>1,2</sup>, Lily Iteld<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Children's Health, Dallas, TX, USA; <sup>2</sup>UTSW Medical Center, Dallas, TX, USA.
- 87 87 *INVESTIGATION OF THE PRESENCE OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS IN CHILDREN WITH CROHN DISEASE USING QUANTITATIVE DNA SEQUENCE-BASED APPROACHES.* Casey Hofstaedter<sup>1</sup>, Máire Conrad<sup>1</sup>, Ana Mistic<sup>2</sup>, Marie-Eve Fecteau<sup>3</sup>, Judith Kelsen<sup>1</sup>, Kyle Bittinger<sup>1</sup>, Daniel Beiting<sup>2</sup>, Raymond Sweeney<sup>3</sup>, Robert Baldassano<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Center for Host-Microbial Interactions, Department of Pathobiology, School of Veterinary Medicine of the University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>New Bolton Center, School of Veterinary Medicine of the University of Pennsylvania, Kennett Square, PA, USA.

- 88 88 *INFLAMMATORY BOWEL DISEASE IN HISPANIC CHILDREN: A POPULATION-BASED STUDY.* Catalina Jaramillo, Stephen Guthery, Mark Deneau. Pediatric Gastroenterology, University of Utah, Salt Lake City, UT, USA.
- 89 89 *VEDOLIZUMAB THERAPY IN MODERATE TO SEVERE PEDIATRIC INFLAMMATORY BOWEL DISEASE.* Clifton Huang. Pediatric Gastroenterology, Valley Children's Hospital, Madera, CA, USA.
- 90 90 *CONTINUING INFLIXIMAB IN THE SETTING OF DISSEMINATED HISTOPLASMOSIS.* Conrad Cox<sup>1</sup>, John Whitworth<sup>1,2</sup>, Jennifer A Lee, Maria Carillo-Marquez. <sup>1</sup>Pediatrics, University of Tennessee Health Science Center, Memphis, TN, USA; <sup>2</sup>Pediatric Gastroenterology, Le Bonheur Children's Hospital, Memphis, TN, USA.
- 91 91 *GASTROINTESTINAL NEUROECTODERMAL TUMOR MIMICKING IBD.* Corey Scherer, Alex Koral. Pediatric Gastroenterology and Hepatology, Yale, New Haven, CT, USA.
- 92 92 *UNUSUAL PRESENTATION OF CUTANEOUS CROHN'S IN PEDIATRICS.* Dana Hong<sup>1</sup>, Catherine Frelinger<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Medstar Georgetown University Hospital, Washington, USA; <sup>2</sup>Georgetown University Medical School, Washington, USA.
- 93 93 *LIVER ABSCESS IN A PEDIATRIC PATIENT WITH ULCERATIVE COLITIS.* Daniel Castillo, Ricardo Caicedo, Vani Gopalareddy. Pediatrics, Carolinas Medical Center, Charlotte, NC, USA.
- 94 94 *MESALAMINE-INDUCED MYOPERICARDITIS IN A NEWLY DIAGNOSED ULCERATIVE COLITIS PATIENT.* Leina Alrabadi, Danya Rosen. Pediatric Gastroenterology and Hepatology, Yale University, Rye Brook, NY, USA.
- 95 95 *THE ASSOCIATION OF CAESAREAN SECTION AND BREAST FEEDING WITH PEDIATRIC INFLAMMATORY BOWEL DISEASE.* David Burnett<sup>1</sup>, Stefan Kuhle<sup>1,2</sup>, Maggie Brown<sup>1,2</sup>, Anthony Otley<sup>1</sup>. <sup>1</sup>Pediatrics, Dalhousie University, Halifax, NS, Canada; <sup>2</sup>Department of Obstetrics and Gynecology, Dalhousie University, Halifax, NS, Canada.
- 96 96 *CANNABIS OIL USE BY ADOLESCENTS AND YOUNG ADULTS WITH INFLAMMATORY BOWEL DISEASE.* Edward Hoffenberg<sup>1,2</sup>, Brittany Murphy<sup>2</sup>, Susan Mikulich-Gilbertson<sup>3</sup>, Shannon McWilliams<sup>3</sup>, Analice Hoffenberg<sup>4</sup>, Christian Hopfer<sup>3</sup>. <sup>1</sup>Pediatrics-GI, U Colorado Denver, Aurora, CO, USA; <sup>2</sup>Children's Hospital Colorado, Aurora, CO, USA; <sup>3</sup>Psychiatry, University of Colorado Denver School of Medicine, Aurora, CO, USA; <sup>4</sup>Preventive Medicine, University of Colorado Denver School of Medicine, Aurora, CO, USA.
- 97 97 *WHOLE EXOME SEQUENCING OF OVER 1000 PEDIATRIC IBD PATIENTS FROM A SINGLE CENTRE IDENTIFIES MONOGENIC FORMS OF IBD.* Eileen Crowley<sup>1</sup>, Neil Warner<sup>1</sup>, Ryan Murchie<sup>1</sup>, Peter Church<sup>1</sup>, Karoline Fiedler<sup>1</sup>, Thomas Walters<sup>1</sup>, Anne Griffiths<sup>1</sup>, Aleixo Muişe<sup>1,2</sup>. <sup>1</sup>Inflammatory Bowel Disease Center and Cell Biology Program, Division of Gastroenterology, Hepatology, and Nutrition, SickKids, Toronto, ON, Canada; <sup>2</sup>Institute of Medical Science, and Department of Biochemistry, University of Toronto, Toronto, ON, Canada.
- 98 98 *REVERSAL OF ANTIBODY FORMATION IN PEDIATRIC INFLAMMATORY BOWEL DISEASE ON BIOLOGIC THERAPY.* Elise Kang<sup>1</sup>, Ali Khalili<sup>2</sup>, Judy Splawski<sup>2</sup>, Thomas Sferra<sup>2</sup>, Jonathan Moses<sup>2</sup>. <sup>1</sup>Case Western Reserve University, Cleveland, OH, USA; <sup>2</sup>Division of Gastroenterology, Hepatology and Nutrition, UH Rainbow Babies and Children's Hospital, Cleveland, OH, USA.
- 99 99 *PULMONARY NODULES IN CROHN'S DISEASE: DISTINGUISHING DISEASE MANIFESTATIONS FROM SIDE EFFECTS OF MEDICAL THERAPY.* Elizabeth Berg<sup>1</sup>, Rama Ayyala<sup>2</sup>, Ali Mencin<sup>1</sup>, Kara Margolis<sup>1</sup>, Andrew Eichenfield<sup>3</sup>, Vincent Duron<sup>4</sup>, Joseph Picoraro<sup>1</sup>. <sup>1</sup>Department of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of New York - Columbia University Medical Center, New York, NY, USA; <sup>2</sup>Department of Radiology, Children's Hospital of New York - Columbia University Medical Center, New York, NY, USA; <sup>3</sup>Department of Allergy, Immunology and Rheumatology, Children's Hospital of New York - Columbia University Medical Center, New York, NY, USA; <sup>4</sup>Department of Surgery, Children's Hospital of New York - Columbia University Medical Center, New York, NY, USA.

- 100 100 *THE ROLE OF VEDOLIZUMAB IN THE TREATMENT OF CROHN'S DISEASE IN THE SETTING OF A PATIENT WITH DIGEORGE SYNDROME: A CASE REPORT.* Eve Thau, Hillary Moore, Philip Stein. Section of Gastroenterology, Hepatology and Nutrition, St Christopher's Hospital for Children, Philadelphia, PA, USA.
- 101 101 *EVALUATING THE ROLE OF DOCUMENTATION AND EDUCATION ON RATES OF INFLUENZA VACCINATION IN PEDIATRIC INFLAMMATORY BOWEL DISEASE PATIENTS AT AN URBAN TERTIARY CARE CENTER.* Hillary Moore, Eve Thau, Melissa Shapiro, Philip Stein. Section of Gastroenterology, Hepatology and Nutrition, St Christopher's Hospital for Children, Philadelphia, PA, USA.
- 102 102 *CHARACTERISTICS OF 5 YEARS FOLLOW-UP DATA BASED ON PROSPECTIVE, NATIONWIDE INCEPTION COHORT: HUNGARIAN PEDIATRIC IBD REGISTRY (HUPIR).* Gabor Veres, Katalin Muller. Ist Dept. of Pediatrics, Semmelweis University, Budapest, Hungary.
- 103 103 *EDUCATING PEDIATRIC RESIDENTS ON INFLAMMATORY BOWEL DISEASE (IBD) SCORING AND ITS APPLICATION.* Gayathri Naraparaju, Linda Solomon, Ezekiel Melquist, Daniel Ostro, Katherine Vaidy, Steven Schwarz. Pediatrics, SUNY Downstate, Brooklyn, NY, USA.
- 104 104 *INFUSION COST SAVINGS ATTRIBUTED TO ELIMINATING INFLIXIMAB PREMEDICATIONS FOR CHILDREN WITH INFLAMMATORY BOWEL DISEASE.* Amanda Bradshaw, Teresa Wachs, David Suskind, Dale Lee, Stephanie Lammers, Rachelle Foreman, Sarah Mbonde, Ghassan Wahbeh. Seattle Children's, University of Washington, Seattle, WA, USA.
- 105 105 *CASE EXAMPLE OF AN EMERGING ADULT WITH REFRACTORY CROHN'S DISEASE: MANAGING THE COMPLEX INTERPLAY BETWEEN DISEASE AND PERSONALITY DURING TRANSITION TO ADULT-CENTERED CARE.* Hannibal Person<sup>1</sup>, Laurie Keefer<sup>2</sup>. <sup>1</sup>Pediatrics, The Susan and Leonard Feinstein Inflammatory Bowel Disease Clinical Center at Mount Sinai, New York, NY, USA; <sup>2</sup>Medicine, Gastroenterology, The Susan and Leonard Feinstein Inflammatory Bowel Disease Clinical Center at Mount Sinai, New York, NY, USA.
- 107 107 *EFFICACY AND SAFETY OF GOLIMUMAB FROM THE PURSUIT PEDS PK STUDY LONG-TERM EXTENSION.* Jeffrey Hyams<sup>1</sup>, Christopher D O'Brien<sup>2</sup>, Lakshmi Padgett<sup>2</sup>, Rawan Shraim<sup>2</sup>, Joel Rosh<sup>3</sup>, Dan Turner<sup>4</sup>, Genevieve Veereman<sup>5</sup>, Anne Griffiths<sup>8</sup>, Melvin B Heyman<sup>6</sup>, Ghassan Wahbeh<sup>7</sup>, Joseph Adedokun<sup>2</sup>, Richard Strauss<sup>2</sup>, Daphne Chan<sup>2</sup>. <sup>1</sup>Connecticut Children's Medical Center, Hartford, CT, USA; <sup>2</sup>Janssen Research & Development, LLC, Spring House, PA, USA; <sup>3</sup>Pediatric Gastroenterology, Clinical Development and Research Affairs, Goryeb Children's Hospital/Atlantic Health, Morristown, NJ, USA; <sup>4</sup>The Juliet Keidan Institute of Pediatric Gastroenterology and Nutrition, Shaare Zedek Medical Center, The Hebrew University of Jerusalem, Jerusalem, Israel; <sup>5</sup>UZ Brussels, Free University Brussels, Brussels, Belgium; <sup>6</sup>Department of Pediatrics, University of California, San Francisco, San Francisco, CA, USA; <sup>7</sup>Seattle Children's Hospital, Seattle, WA, USA; <sup>8</sup>The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada.
- 108 108 *DYSPHAGIA AND ODYNOPHAGIA: AN UNUSUAL PRESENTATION OF PEDIATRIC CROHN'S DISEASE.* Melissa Jensen. Pediatrics, Sanford Children's Hospital, Sioux Falls, SD, USA.
- 109 109 *PANCYTOPENIA ASSOCIATED WITH A NUDT15 GENE VARIANT IN A CHILD TREATED WITH AZATHIOPRINE FOR ULCERATIVE COLITIS.* Chathruckan Rajendra<sup>1</sup>, Vivek Shenoy<sup>1</sup>, Yvette Wild<sup>1</sup>, Taymour Hammoudi<sup>1</sup>, Geri Landman<sup>1</sup>, Ashley Koegel<sup>1</sup>, Sonal Shah<sup>2</sup>, Kelly Cordora<sup>2</sup>, Melissa Kinnebrew<sup>2</sup>, Michelle Hermiston<sup>1</sup>, Laura Cooke<sup>1</sup>, Melvin Heyman<sup>1</sup>, Sofia Verstraete<sup>1</sup>. <sup>1</sup>Pediatrics, University of California, San Francisco, San Francisco, CA, USA; <sup>2</sup>Dermatology, University of California, San Francisco, San Francisco, CA, USA.
- 110 110 *HEPATOCELLULAR ADENOMA IN AN ADOLESCENT WITH CROHN'S DISEASE TREATED WITH AZATHIOPRINE AND INFLIXIMAB.* Laura Cooke<sup>1</sup>, Sofia Verstraete<sup>1</sup>, Sarah Umetsu<sup>2</sup>, Melvin Heyman<sup>1</sup>, Sue Rhee<sup>1</sup>. <sup>1</sup>Pediatrics, University of California, San Francisco, San Francisco, CA, USA; <sup>2</sup>Pathology, University of California, San Francisco, San Francisco, CA, USA.

- 111 111 *IL-33 INDIRECTLY INDUCES GOBLET CELL HYPERPLASIA IN THE MURINE INTESTINE THROUGH IL-13 PRODUCTION BY GROUP 2 INNATE LYMPHOID CELLS.* Amanda Waddell, Jefferson Vallance, Michael Rosen. Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 112 112 *ISOLATED PERIANAL ABSCESS IN AN ADOLESCENT: IS IT ALWAYS CROHN'S DISEASE.* Natasha Mendez<sup>1</sup>, Brianne Navetta-Modrov<sup>2</sup>, Artemio Jongco III<sup>2</sup>, James Markowitz<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Northwell Health, Englewood, NJ, USA; <sup>2</sup>Allergy & Immunology, Northwell Health, New Hyde Park, NY, USA.
- 113 113 *INFLIXIMAB DOSE DE-ESCALATION IN PEDIATRIC INFLAMMATORY BOWEL DISEASE: A SINGLE-CENTER EXPERIENCE.* Steven Fusillo<sup>1</sup>, Taylor Olson<sup>1</sup>, Máire Conrad<sup>1,2</sup>, Robert Baldassano<sup>1,2</sup>, Andrew Grossman<sup>1,2</sup>, Judith Kelsen<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA.
- 114 114 *MATERNAL SMOKING DURING PREGNANCY IS ASSOCIATED WITH COMPLICATED DISEASE IN OFFSPRING WITH NEWLY DIAGNOSED CROHN'S DISEASE.* Livia Maria Lindoso Lima<sup>1</sup>, Ashwin N. Ananthakrishnan<sup>2</sup>, Kajari Mondal<sup>1</sup>, Suresh Venkateswaran<sup>1</sup>, Thomas Walters<sup>3</sup>, Anne Griffiths<sup>3</sup>, Joshua Noe<sup>4</sup>, Wallace Crandall<sup>5</sup>, Scott Snapper<sup>2</sup>, Shervin Rabizadeh<sup>6</sup>, Joel Rosh<sup>7</sup>, Neal LeLeiko<sup>8</sup>, Stephen Guthery<sup>9</sup>, David Mack<sup>16</sup>, Richard Kellermayer<sup>10</sup>, Michael D. Kappelman<sup>11</sup>, Steven Steiner<sup>12</sup>, Dedrick E. Moulton<sup>13</sup>, David Keljo<sup>14</sup>, Stanley Cohen<sup>15</sup>, MARIA OLIVA-HEMKER<sup>17</sup>, Melvin B Heyman<sup>18</sup>, Anthony Otley<sup>19</sup>, Susan S. Baker<sup>20</sup>, Jonathan S. Evans<sup>21</sup>, Barbara S. Kirschner<sup>22</sup>, Ashish S. Patel<sup>23</sup>, David Ziring<sup>6</sup>, Michael C. Stephens<sup>24</sup>, Robert Baldassano<sup>25</sup>, Marla Dubinsky<sup>26</sup>, James Markowitz<sup>27</sup>, Lee Denson<sup>28</sup>, Jeffrey Hyams<sup>29</sup>, Subra Kugathasan<sup>1</sup>. <sup>1</sup>Pediatrics, Emory University, Atlanta, GA, USA; <sup>2</sup>Gastroenterology, Hepatology and Nutrition, Harvard, Boston, MA, USA; <sup>3</sup>Gastroenterology, Sick kids, Toronto, ON, Canada; <sup>4</sup>Gastroenterology and Hepatology, CHILDREN'S HOSPITAL OF WISCONSIN , WISCONSIN, WI, USA; <sup>5</sup>Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA; <sup>6</sup>Pediatrics, Cedars-Sinai Medical Center, Los Angeles, CA, USA; <sup>7</sup>Pediatrics, Atlantic Health System, Summit, NJ, USA; <sup>8</sup>Pediatrics, Brown University, Providence, RI, USA; <sup>9</sup>Pediatrics, University of Utah, Salt Lake City, UT, USA; <sup>10</sup>Pediatrics, Baylor College of Medicine Houston, Houston, TX, USA; <sup>11</sup>Pediatrics, University of North Carolina, Chapel Hill, NC, USA; <sup>12</sup>Pediatrics, Indiana University, Carmel, IN, USA; <sup>13</sup>Pediatrics, Vanderbilt University , Nashville, TN, USA; <sup>14</sup>Pediatrics, Children's Hospital of Pittsburgh, Sewickley, PA, USA; <sup>15</sup>Pediatrics, Children's Center for Digestive Health Care, Atlanta, GA, USA; <sup>16</sup>CHEO Research Institute, Ottawa, ON, Canada; <sup>17</sup>Johns Hopkins, Baltimore, MD, USA; <sup>18</sup>UCSF Benioff Children's Hospital, San Francisco, CA, USA; <sup>19</sup>Dalhousie University, Halifax, NS, Canada; <sup>20</sup>Jacobs School of Medicine and Biomedical Sciences, Buffalo, NY, USA; <sup>21</sup>Nemours Children's Specialty Care, Jacksonville, FL, USA; <sup>22</sup>The University of Chicago Medicine, Chicago, IL, USA; <sup>23</sup>UT Southwestern Medical Center , Dallas, TX, USA; <sup>24</sup>Mayo Clinic , Rochester, MN, USA; <sup>25</sup>The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>26</sup>The Mount Sinai Hospital, New York, NY, USA; <sup>27</sup>Northwell Health, Lake Success, NY, USA; <sup>28</sup>Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>29</sup>Connecticut Children's Medical Center, Hartford, CT, USA.

#### LIVER

- 115 115 *NOVEL MUTATION WITHIN UGT1A1 IN A PATIENT WITH INDIRECT HYPERBILIRUBINEMIA.* Albert Chan<sup>1</sup>, Walaa Elfar<sup>1</sup>, Gracielle Bahia<sup>1</sup>, Nishaben Patel<sup>1</sup>, Thomas Rossi<sup>1</sup>, Saquib Lakhani<sup>2</sup>, Rebecca Abell<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Rochester Medical Center, North Chili, NY, USA; <sup>2</sup>Yale, New Haven, CT, USA.
- 116 116 *MAURIAC SYNDROME: AN EARLY PRESENTATION.* Alex Schosheim, Elizabeth Korn, Rupinder Gill. Pediatrics, Saint Peter's University Hospital, New Brunswick, NJ, USA.

- 117 117 *A RARE PHENOTYPE OF ALPHA-1-ANTITRYPSIN DEFICIENCY DUE TO PI\*IS IN A NEWBORN WITH LIVER DISEASE.* Alice Huang<sup>5</sup>, Carla Perez<sup>2</sup>, Lina Felipez<sup>1</sup>, Chamyan Gabriel<sup>3</sup>, Milton Finegold<sup>4</sup>, Erick Hernandez<sup>1</sup>.  
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- 118 118 *INCIDENCE OF INFECTIONS AND ASSOCIATIONS WITH IMMUNOSUPPRESSION IN PEDIATRIC LIVER TRANSPLANT RECIPIENTS.* Lauren Klein<sup>2</sup>, Bryce Russo<sup>3</sup>, David Cousino<sup>3</sup>, Deepak Vikraman-Sushama<sup>3</sup>, Alisha Mavis<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Duke University, Menomonee Falls, WI, USA; <sup>2</sup>Pediatrics, Duke University Medical Center, Durham, NC, USA; <sup>3</sup>Abdominal Transplant Surgery, Duke University Medical Center, Durham, NC, USA.
- 119 119 *BILIATRESONE, A TOXIN CAUSING BILIARY ATRESIA, LEADS TO INCREASED MRNA AND PROTEIN EXPRESSION OF CX3CL1 (FRACTALKINE), A LEUKOCYTE ADHESION LIGAND, IN MOUSE CHOLANGIOCYTES AND ORGANOIDS.* Alyssa Kriegermeier<sup>1</sup>, Orith Waisbourd-Zinman<sup>2</sup>, Pierre-Marie Lavrut<sup>3</sup>, Rebecca Wells<sup>3</sup>.  
<sup>1</sup>Gastroenterology, Hepatology & Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Schneider Children's Medical Center of Israel, Tel-Aviv, Israel; <sup>3</sup>Department of Medicine, University of Pennsylvania, Philadelphia, PA, USA.
- 120 120\* *A COMPARISON OF PRIMARY SCLEROSING CHOLANGITIS WITH AND WITHOUT ASSOCIATED INFLAMMATORY BOWEL DISEASE: DATA FROM THE PEDIATRIC PSC CONSORTIUM.* Amanda Ricciuto<sup>1</sup>, Binita Kamath<sup>1</sup>, Reham Abdou<sup>2</sup>, Khaled Alqoaer<sup>3</sup>, Mansi Amin<sup>4</sup>, Achiya Amir<sup>5</sup>, Marcus Auth<sup>6</sup>, Fateh Bazerbachi<sup>7</sup>, Annemarie Broderick<sup>8</sup>, Albert Chan<sup>9</sup>, Jillian Cotter<sup>10</sup>, Syliva Doan<sup>11</sup>, Wael El-Matary<sup>12</sup>, Mounif El-Youssef<sup>13</sup>, Federica Ferrari<sup>14</sup>, Katryn Furuya<sup>7</sup>, Madeleine Gottrand<sup>15</sup>, Frederic Gottrand<sup>15</sup>, Nitika Gupta<sup>16</sup>, Matjaz Homan<sup>17</sup>, Kyle Jensen<sup>11</sup>, Kyung Mo Kim<sup>18</sup>, Kaija-Leena Kolho<sup>19</sup>, Anastasia Konidari<sup>20</sup>, Bart Koot<sup>21</sup>, Raffaele Iorio<sup>22</sup>, Oren Ledder<sup>23</sup>, Cara Mack<sup>10</sup>, Mercedes Martinez<sup>24</sup>, Tamir Miloh<sup>25,26</sup>, Parvathi Mohan<sup>27</sup>, Niamh O'Cathain<sup>8</sup>, Alexandra Papadopoulou<sup>28</sup>, Pushpa Sathya<sup>29</sup>, Mark Deneau<sup>11</sup>. <sup>1</sup>Gastroenterology, Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>State University of New York Buffalo, Buffalo, NY, USA; <sup>3</sup>Prince Salman North West Armed Forces Hospital, Tabuk, Saudi Arabia; <sup>4</sup>University of California San Francisco, San Francisco, CA, USA; <sup>5</sup>Dana-Dwek Children's Hospital, Tel Aviv, Israel; <sup>6</sup>Alder Hey Children's Hospital, Liverpool, United Kingdom; <sup>7</sup>Mayo Clinic, Rochester, MN, USA; <sup>8</sup>University College Dublin, Dublin, Ireland; <sup>9</sup>University of Rochester Medical Center, Rochester, NY, USA; <sup>10</sup>University of Colorado School of Medicine, Aurora, CO, USA; <sup>11</sup>University of Utah, Salt Lake City, UT, USA; <sup>12</sup>University of Manitoba, Winnipeg, MB, Canada; <sup>13</sup>Mayo Clinic, Rochester, MN, USA; <sup>14</sup>Sapienza University of Rome, Rome, Italy; <sup>15</sup>Lille University Hospital of Lille, Lille, France; <sup>16</sup>Emory University School of Medicine, Atlanta, GA, USA; <sup>17</sup>University of Ljubljana, Ljubljana, Slovenia; <sup>18</sup>University of Ulsan, Seoul, Korea (the Republic of); <sup>19</sup>University of Helsinki, Helsinki, Finland; <sup>20</sup>University of Manchester, Manchester, United Kingdom; <sup>21</sup>Academic Medical Centre, Amsterdam, Netherlands; <sup>22</sup>University of Naples, Naples, Italy; <sup>23</sup>Shaare Zedek Medical Center, Jerusalem, Israel; <sup>24</sup>Columbia University College of Physicians and Surgeons, New York, NY, USA; <sup>25</sup>Texas Children's Hospital, Houston, TX, USA; <sup>26</sup>Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>27</sup>Children's National Medical Center, Washington, , USA; <sup>28</sup>University of Athens, Athens, Greece; <sup>29</sup>Memorial University, St John's, , Canada.
- 121 121 *RAPID WHOLE GENOME SEQUENCING IMPROVES DIAGNOSIS AND MANAGEMENT OF PATIENTS WITH NEONATAL CHOLESTASIS.* Amber Hildreth<sup>1,2</sup>, Shareef Nahas<sup>2</sup>, Shimul Chowdhury<sup>2</sup>, David Dimmock<sup>2</sup>, Stephen Kingsmore<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, UCSD/ Rady Children's Hospital, San Diego, CA, USA; <sup>2</sup>Rady Children's Institute for Genomic Medicine, San Diego, CA, USA.
- 122 122 *SYNERGISTIC HETEROZYGOSITY OF MULTIPLE GENES IS ASSOCIATED WITH NEONATAL CHOLESTASIS.* Amrita Sinha<sup>1</sup>, Mohammad Nasser Kabbany<sup>2</sup>, Aravind Thavamani<sup>1</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>2</sup>, Reema Gulati<sup>3</sup>, Kadakkal Radhakrishnan<sup>2</sup>. <sup>1</sup>Pediatrics, MetroHealth Medical Center, Parma, OH, USA; <sup>2</sup>Pediatric Gastroenterology, Cleveland Clinic Foundation, Cleveland, OH, USA; <sup>3</sup>Pediatric Gastroenterology, MetroHealth Medical Center, Cleveland, OH, USA.

- 123 123 *SPONTANEOUS BILIARY PERFORATION PRESENTING AS ABDOMINAL DISTENSION AND JAUNDICE IN AN INFANT: A CASE REPORT.* Amy Peasley, Steven Ciciora. Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA.
- 124 124\* *SEX DEPENDENT INTESTINAL EXPRESSION OF ASBT DETERMINES THE SCLEROSING CHOLANGITIS PHENOTYPE AND THE RESPONSE TO PHARMACOLOGICAL INTERRUPTION OF ENTEROHEPATIC CIRCULATION OF BILE ACIDS IN MDR2<sup>-/-</sup> MICE.* Ana Catalina Arce-Clachar<sup>1</sup>, Tiffany Shi<sup>1</sup>, Ramesh Kudira<sup>1</sup>, Mary Mullen<sup>1</sup>, Celine S. Lages<sup>1</sup>, Amy Taylor<sup>1</sup>, Wujuan Zhang<sup>2</sup>, Julia Simmons<sup>1</sup>, Rebekah Karns<sup>1</sup>, Kumar Shanmukhappa<sup>1</sup>, Kenneth Setchell<sup>2</sup>, Alexander Miethke<sup>1</sup>. <sup>1</sup>Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 125 125 *CHALLENGES IN SCREENING FOR PEDIATRIC NONALCOHOLIC FATTY LIVER DISEASE.* Anna Ferguson<sup>1</sup>, Stavra Xanthakos<sup>1</sup>, Robert Siegel<sup>2</sup>. <sup>1</sup>Gastroenterology, Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>2</sup>Center for Better Health and Nutrition, The Heart Institute, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 126 126 *UTILITY OF DOPPLER ULTRASOUND IN THE EVALUATION OF THE CHOLESTATIC INFANT.* Annie Goodwin, Tamir Miloh, Sanjiv Harpavat. Pediatric Gastroenterology, Hematology, and Nutrition, Baylor College of Medicine, Houston, TX, USA.
- 127 127 *HYPOGLYCEMIA IN PORTOSYSTEMIC SHUNTS.* Batul Kaj<sup>1</sup>, Corey Baker<sup>1</sup>, Rene Balza<sup>2</sup>, Michael Gee<sup>2</sup>, Sergei Roumiantsev<sup>3</sup>, Stephen Hardy<sup>1</sup>, Uzma Shah<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Massachusetts General Hospital for Children, Boston, MA, USA; <sup>2</sup>Pediatric Radiology, Massachusetts General Hospital for Children, Boston, MA, USA; <sup>3</sup>Neonatology, Massachusetts General Hospital for Children, Boston, MA, USA.
- 128 128 *A CASE OF INDETERMINATE RECURRENT ACUTE LIVER FAILURE UNVEILED.* Carla Perez, Zahida Khan, Beth Carter. Gastroenterology, Texas Children's, Houston, TX, USA.
- 129 129 *DRUG-INDUCED LIVER INJURY IN AN ADOLESCENT FEMALE WITH CYSTIC FIBROSIS RECEIVING LUMACAFTOR/IVACAFTOR AND VORICONAZOLE.* Chrissy Lopez, A. Jay Freeman. Pediatric Gastroenterology, Hepatology, & Nutrition, Emory University, Atlanta, GA, USA.
- 130 130 *EVALUATING FOR HUMAN HERPESVIRUS-6 IN CHILDREN WITH LIVER FAILURE OF UNKNOWN ETIOLOGY.* Christine Yang<sup>1</sup>, Malaya Sahoo<sup>2</sup>, Audrey Lau<sup>1</sup>, Benjamin Pinsky<sup>2</sup>, Olivia Martinez<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology Hepatology and Nutrition, Lucile Packard Children's Hospital, Palo Alto, CA, USA; <sup>2</sup>Pathology, Stanford University, Stanford, CA, USA; <sup>3</sup>Surgery - Abdominal Transplantation, Stanford University, Stanford, CA, USA.
- 131 131 *PERCUTANEOUS TREATMENT OF HYDATID CYST IN A LIVER TRANSPLANT RECIPIENT WITH DE-NOVO ALLOIMMUNE HEPATITIS.* Corey Baker<sup>1</sup>, Batul Kaj<sup>1</sup>, Micaela Atkins<sup>7</sup>, Michael Gee<sup>2</sup>, Peter Mueller<sup>3</sup>, Ashraf Thabet<sup>3</sup>, Jason Harris<sup>4</sup>, Mark Pasternack<sup>4</sup>, Vikram Deshpande<sup>5</sup>, Heidi Yeh<sup>6</sup>, Stephen Hardy<sup>1</sup>, Uzma Shah<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Mass General Hospital for Children, Boston, MA, USA; <sup>2</sup>Pediatric Radiology, Mass General Hospital for Children, Boston, MA, USA; <sup>3</sup>Interventional Radiology, Mass General Hospital, Boston, MA, USA; <sup>4</sup>Pediatric Infectious Disease, Mass General Hospital for Children, Boston, MA, USA; <sup>5</sup>Pathology, Mass General Hospital, Boston, MA, USA; <sup>6</sup>Transplant Surgery, Mass General Hospital for Children, Boston, MA, USA; <sup>7</sup>Pediatric Residency, Mass General Hospital for Children, Boston, MA, USA.
- 132 132 *HEPATIC DISEASE IN CYSTIC FIBROSIS. A LOOK AT HISTOLOGY PREVIOUS LIVER TRANSPLANTATION.* Daniel D Agostino<sup>1,2,3</sup>, Eduardo Mullen<sup>4</sup>. <sup>1</sup>Pediatrics, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; <sup>2</sup>Liver and Intestinal Transplantation Center, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; <sup>3</sup>Gastroenterology Hepatology Service, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; <sup>4</sup>Pathology Service, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina.

- 133 133\* *PIOGLITAZONE INCREASES RXR-DNA BINDING TO AND EXPRESSION OF MITOCHONDRIAL RESPIRATION GENES IN THE LIVERS OF MICE WITH DIET-INDUCED NAFLD.* Sakil Kulkarni<sup>1</sup>, Jiansheng Huang<sup>1</sup>, Paul Clifton<sup>2</sup>, David Rudnick<sup>1</sup>. <sup>1</sup>Pediatrics, Washington University School of Medicine, St. Louis, MO, USA; <sup>2</sup>Genetics, Washington University School of Medicine, St. Louis, MO, USA.
- 134 134 *ACID LIPASE DEFICIENCY: FROM DIAGNOSIS TO THERAPY IN CANADA.* Dhandapani Ashok<sup>1,2,3</sup>, Chitra Prasad<sup>1,2,3</sup>, Joanna Walsh<sup>4</sup>, Samantha Colaiacovo<sup>1</sup>, Tony Rupa<sup>4</sup>. <sup>1</sup>Pediatrics, Western University, London, ON, Canada; <sup>2</sup>Children's Health Research Institute, London, ON, Canada; <sup>3</sup>London Health Sciences Centre, London, ON, Canada; <sup>4</sup>Pathology & Laboratory Medicine, Western University, London, ON, Canada.
- 135 135 *ALPHA-1 ANTITRYPSIN DEFICIENCY PRESENTING AS LATE HEMORRHAGIC DISEASE OF THE NEWBORN.* Donna Cheung<sup>1</sup>, Patricia Delgado<sup>2</sup>, Claudia Rojas<sup>2</sup>, Dana Goldner<sup>1</sup>, Lesley Smith<sup>1</sup>. <sup>1</sup>Department of Pediatric Gastroenterology, Jackson Memorial Hospital - University of Miami, Miami, FL, USA; <sup>2</sup>Department of Pathology, Jackson Memorial Hospital - University of Miami, Miami, FL, USA.
- 136 136 *INTRAPULMONARY VASCULAR DILATATIONS IN AN END STAGE LIVER DISEASE PATIENT WITH NORMAL OXYGEN SATURATIONS.* Arvind Panchoo<sup>1</sup>, Juan Infante<sup>3</sup>, Edgardo Rivera Rivera<sup>2</sup>. <sup>1</sup>Pediatrics, Jackson Memorial Hospital, Miami, FL, USA; <sup>2</sup>Pediatrics - Gastroenterology, University of Miami, Miami, FL, USA; <sup>3</sup>Radiology - Pediatrics, University of Miami, Miami, FL, USA.
- 137 137 *APPROACH TO PROPHYLAXIS AND TREATMENT OF VARICEAL BLEEDING IN PEDIATRIC PATIENTS: THE UNITED STATES EXPERIENCE.* Einar Hafberg, Lee Bass. Gastroenterology and Hepatology, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA.
- 138 138 *PREDISPOSING CONDITIONS TO PEDIATRIC HEPATOCELLULAR CARCINOMA.* Elizabeth Cowell<sup>1</sup>, Kalyani Patel<sup>2</sup>, Hao Wu<sup>2</sup>, Andras Heczey<sup>1</sup>, Rajkumar Venkatramani<sup>1</sup>, Milton Finegold<sup>2</sup>, Tamir Miloh<sup>1</sup>. <sup>1</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Pathology, Baylor College of Medicine, Houston, TX, USA.
- 139 139 *GASTROINTESTINAL BLEEDING IN A TEENAGER SECONDARY TO ARTERIOPORTAL FISTULA CAUSING HEMOBILIA AFTER PERCUTANEOUS LIVER BIOPSY.* Elizabeth Hilow<sup>1</sup>, Dustin Thompson<sup>2</sup>, Lisa Feinberg<sup>1</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>. <sup>1</sup>Pediatrics, Cleveland Clinic Foundation, Cleveland, OH, USA; <sup>2</sup>Radiology, Cleveland Clinic Foundation, Cleveland, OH, USA.
- 140 140 *PREVALENCE OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) IN CHILDREN WITH OBESITY.* Elizabeth Yu<sup>4,2</sup>, John Fontanesi<sup>3</sup>, Kathryn Harlow<sup>4,2</sup>, Jorge Angeles<sup>1</sup>, Janis Durelle<sup>4</sup>, Nidhi Goyal<sup>4,2</sup>, Kimberly Newton<sup>4,2</sup>, Jonathan Hooker<sup>5,6</sup>, Ethan Sy<sup>5,6</sup>, Claude Sirlin<sup>5,6</sup>, Jeffrey Schwimmer<sup>4,2</sup>. <sup>1</sup>University of California San Diego, San Diego, CA, USA; <sup>2</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Rady Children's Hospital San Diego, San Diego, CA, USA; <sup>3</sup>School of Medicine, University of California San Diego, La Jolla, CA, USA; <sup>4</sup>Department of Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>5</sup>Department of Radiology, University of California San Diego, San Diego, CA, USA; <sup>6</sup>Altman Clinical Translational Research Institute, University of California San Diego, San Diego, CA, USA.
- 141 141 *HEPATIC PARENCHYMAL INJURY IN CRIGLER-NAJJAR SYNDROME.* Ellen Mitchell<sup>1</sup>, Sarangarajan Ranganathan<sup>2</sup>, George Mazariegos<sup>3</sup>, Patrick McKiernan<sup>1</sup>, Kyle Soltys<sup>3</sup>, Robert Squires<sup>1</sup>, Kevin Strauss<sup>4</sup>, James Squires<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital of Pittsburgh of UPMC, Swarthmore, PA, USA; <sup>2</sup>Pathology, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, USA; <sup>3</sup>Pediatric Transplant, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, USA; <sup>4</sup>Pediatrics, Clinic for Special Children, Strasburg, PA, USA.
- 142 142\* *CHARACTERISTICS AND OUTCOMES OF PEDIATRIC CHOLESTASIS IN ALAGILLE SYNDROME IN THE MODERN ERA: RESULTS OF A MULTI-CENTRE PROSPECTIVE OBSERVATIONAL STUDY.* Binita Kamath<sup>1</sup>, Wen Ye<sup>2</sup>, Nathan Goodrich<sup>3</sup>, Kathleen Loomes<sup>7</sup>, Rene Romero<sup>4</sup>, James Heubi<sup>5</sup>, Daniel Leung<sup>6</sup>, Nancy Spinner<sup>7</sup>, David Piccoli<sup>7</sup>, Saul Karpen<sup>4</sup>, Jean Molleston<sup>8</sup>, Karen Murray<sup>9</sup>, Philip Rosenthal<sup>10</sup>, Jeffrey Teckman<sup>11</sup>, Kasper Wang<sup>12</sup>, Averell Sherker<sup>13</sup>, John Magee<sup>14</sup>. <sup>1</sup>Division of Gastroenterology, Hospital for Sick Children and University of Toronto, Toronto, ON, Canada; <sup>2</sup>Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; <sup>3</sup>Arbor Research Collaborative for Health, Ann Arbor, MI, USA; <sup>4</sup>Division of Pediatric

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143 143 *UNRAVELING THE RELATIONSHIP BETWEEN ITCHING, SCRATCH SCALES AND BIOMARKERS IN CHILDREN WITH ALAGILLE SYNDROME.* Binita Kamath<sup>1</sup>, Benjamin Shneider<sup>2</sup>, Cathie Spino<sup>3</sup>, John Magee<sup>4</sup>, Peter Whittington<sup>5</sup>, Kenneth Setchell<sup>6</sup>, Alexander Miethke<sup>7</sup>, Jean Molleston<sup>8</sup>, Cara Mack<sup>9</sup>, Robert Squires<sup>10</sup>, Karen Murray<sup>11</sup>, Kathleen Loomes<sup>12</sup>, Philip Rosenthal<sup>13</sup>, Saul Karpen<sup>14</sup>, Daniel Leung<sup>2</sup>, Stephen Guthery<sup>15</sup>, Danny Thomas<sup>16</sup>, Averell Sherker<sup>17</sup>, Ronald Sokol<sup>9,18</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Hospital for Sick Children and University of Toronto, Toronto, ON, Canada; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; <sup>4</sup>University of Michigan Medical School, Ann Arbor, MI, USA; <sup>5</sup>Ann and Robert H Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>6</sup>Department of Pediatrics – Pathology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>7</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Indiana University School of Medicine /Riley Hospital for Children, Indianapolis, IN, USA; <sup>9</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital Colorado, Aurora, CO, USA; <sup>10</sup>Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>11</sup>Division of Gastroenterology and Hepatology, University of Washington Medical Center, Seattle Children's Hospital, Seattle, WA, USA; <sup>12</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>13</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, University of California, San Francisco, San Francisco, , USA; <sup>14</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Emory University School of Medicine/Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>15</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Utah, Salt Lake City, UT, USA; <sup>16</sup>Department of Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>17</sup>Liver Diseases Research Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA; <sup>18</sup>for the Childhood Liver Disease Research Network (ChILDReN), DCC, Ann Arbor, MI, USA.

144 144\* *A CROSS-SECTIONAL MULTI-CENTER ANALYSIS OF CLINICAL FEATURES OF PROGRESSIVE FAMILIAL INTRAHEPATIC CHOLESTASIS (PFIC) – INITIAL RESULTS OF THE CHILDREN LOGIC PROTOCOL.* Paula Hertel<sup>1</sup>, Nathan Goodrich<sup>2</sup>, Richard Thompson<sup>3</sup>, Laura Bull<sup>4</sup>, Wen Ye<sup>5</sup>, Lee Bass<sup>6</sup>, Molly Bozic<sup>7</sup>, James Heubi<sup>8</sup>, Karen Murray<sup>9</sup>, Grace Kim<sup>10</sup>, Sarangarajan Ranganathan<sup>11</sup>, Robert Squires<sup>12</sup>, Frederick Suchy<sup>13</sup>, Riccardo Superina<sup>14</sup>, Jeffrey Teckman<sup>15</sup>, Kasper Wang<sup>16</sup>, Kathleen Loomes<sup>17</sup>, Binita Kamath<sup>18</sup>, Rene Romero<sup>19</sup>, Saul Karpen<sup>19</sup>, John Magee<sup>20</sup>, Averell Sherker<sup>21</sup>, Ronald Sokol<sup>22</sup>, Benjamin Shneider<sup>1,23</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Arbor Research Collaborative for Health, Ann Arbor, MI, USA; <sup>3</sup>Genetics Core Lab, Institute of Liver Studies, London, United Kingdom; <sup>4</sup>Liver Center and Institute for Human Genetics, University of California, San Francisco, San Francisco, CA, USA; <sup>5</sup>Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; <sup>6</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Ann & Robert H. Lurie Children's Hospital, Chicago, IL, USA; <sup>7</sup>Pediatric Gastroenterology, Indiana University School of Medicine /Riley Hospital for Children, Indianapolis, IN, USA; <sup>8</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>9</sup>Division of Gastroenterology and Hepatology, University of Washington School of Medicine, Seattle Children's Hospital, Seattle, WA, USA; <sup>10</sup>Department of Pathology, University of California, San Francisco, San Francisco, CA, USA; <sup>11</sup>Department of Pathology, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA;

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- 145 145 *ADENOMYOMATOSIS OF THE GALLBLADDER IN A CHILD: A RARE GALBLADDER FINDING YEARS BEFORE TYPICAL PRESENTATION.* Garrett Koon<sup>1</sup>, Michael Schmalz<sup>1</sup>, Russell Cameron<sup>2</sup>. <sup>1</sup>Pediatrics and Adolescent Medicine, Western Michigan University Homer Stryker MD School of Medicine, Jackson, MI, USA; <sup>2</sup>Pediatric Gastroenterology, Bronson Methodist Children's Hospital, Kalamazoo, MI, USA.
- 146 146 *NOVEL HISTOLOGIC SCORING FOR CONGENITAL HEPATIC FIBROSIS.* Gihan Naguib<sup>1,2</sup>, David Kleiner<sup>3</sup>, Karen Murray<sup>4</sup>, Ronen Arnon<sup>5</sup>, Jacqueline Jossen<sup>5</sup>, Kathleen Schwarz<sup>2</sup>, Pallavi Surana<sup>1</sup>, Sina Ogholikhan<sup>2</sup>, Daniel Doherty<sup>7</sup>, Meral Gunay-Aygun<sup>6</sup>, Theo Heller<sup>1</sup>. <sup>1</sup>Liver Diseases Branch, National Institutes of Health, Bethesda, MD, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Johns Hopkins, Baltimore, MD, USA; <sup>3</sup>Center for Cancer Research, National Cancer Institute, Bethesda, MD, USA; <sup>4</sup>Pediatric Gastroenterology and Hepatology, Seattle Children's Hospital, Seattle, WA, USA; <sup>5</sup>Pediatric Hepatology and Liver transplant, Mount Sinai School of Medicine, New York, NY, USA; <sup>6</sup>Institute of Genetic Medicine, Johns Hopkins, Baltimore, MD, USA; <sup>7</sup>Developmental Pediatrics, Seattle Children's Hospital, Seattle, WA, USA.
- 147 147 *CARDIOMEGALY ASSOCIATED WITH TACROLIMUS USE IN PEDIATRIC LIVER TRANSPLANTATION.* Heli Bhatt<sup>1</sup>, Richard Mangus<sup>2</sup>, Jose Pena<sup>3</sup>, Girish Subbarao<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Riley Hospital for Children, INDIANAPOLIS, IN, USA; <sup>2</sup>Indiana University, Indianapolis, IN, USA; <sup>3</sup>Indiana University School of Medicine, Indianapolis, IN, USA.
- 148 148 *TRANSCATHETER RECANALIZATION WITH ANGIOPLASTY AND/OR STENTING: A NOVEL, MINIMALLY-INVASIVE TREATMENT FOR CHRONIC PORTAL VEIN THROMBOSIS WITH CAVERNOUS TRANSFORMATION IN CHILDREN.* Henri Justino<sup>1</sup>, Kamlesh Kukreja<sup>2</sup>, Jose Alberto Hernandez<sup>2</sup>, Sheena Pimpalwar<sup>2</sup>, Yen Pham<sup>1</sup>, Kenneth Ng<sup>1</sup>, Sanjiv Harpavat<sup>1</sup>, Lina Karam<sup>1</sup>, Paula Hertel<sup>1</sup>, Benjamin Shneider<sup>1</sup>, Tamir Miloh<sup>1</sup>. <sup>1</sup>Pediatrics, Texas Children's Hospital/Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Radiology, Texas Children's Hospital, Houston, TX, USA.
- 149 149 *LATE-ONSET MPV17-RELATED HEPATOCEREBRAL MITOCHONDRIAL DNA DEPLETION SYNDROME.* Delaney Taylor, Amit Shah, Henry Lin. Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 150 150 *BILIARY ATRESIA IN CHILDREN WITH CHROMOSOME 22Q11 ABERRATIONS.* Hongtao Wang<sup>1,2</sup>, Tamir Miloh<sup>1,2</sup>, Sanjiv Harpavat<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Gastroenterology, Hepatology and Nutrition, Texas Children's Hospital, Houston, TX, USA.
- 151 151 *HEPATOVENOCAVAL SYNDROME A DIFFERENT ENTITY FROM BUDD CHIARI SYNDROME IN CHILDREN.* Huma Cheema. Pediatric Gastroenterology Hepatology, Children's Hospital Lahore, Lahore, Punjab, Pakistan.
- 152 152 *NONALCOHOLIC FATTY LIVER DISEASE IS ASSOCIATED WITH ABNORMAL PURINERGIC SIGNALING.* Huyen Nguyen, Charles Kresge, Qin Li, Andrew Feranchak. University of Texas Southwestern, Dallas, TX, USA.

- 153 153 *DIFFERENCES BETWEEN NON-OBESE AND OBESE PEDIATRIC NONALCOHOLIC FATTY LIVER DISEASE PATIENTS: A SINGLE CENTER EXPERIENCE.* Hyun Jin Kim. Pediatrics, Inje University, Busan Paik Hospital, Busan, Korea (The Republic of).
- 154 154 *LATE ONSET EBV-ASSOCIATED POST TRANSPLANT LYMPHOPROLIFERATIVE DISORDER.* Rohit Josyabhatla<sup>1</sup>, Archana Sharma<sup>2</sup>, Iona Monteiro<sup>1</sup>. <sup>1</sup>Pediatrics, Rutgers New Jersey Medical School, Newark, NJ, USA; <sup>2</sup>Rutgers Cancer Institute of New Jersey, New Brunswick, NJ, USA.
- 155 155 *SURVIVAL OF INFANTS WITH RAPIDLY PROGRESSIVE LYSOSOMAL ACID LIPASE DEFICIENCY TREATED WITH SEBELIPASE ALFA.* Simon Jones<sup>1</sup>, Suresh Vijay<sup>2</sup>, Simona Fecarotta<sup>3</sup>, Arunabha Ghosh<sup>1</sup>, Kerstin Allen<sup>4</sup>, Mark Friedman<sup>4</sup>. <sup>1</sup>Manchester Centre for Genomic Medicine, Central Manchester University Hospitals NHS Foundation Trust, St. Mary's Hospital, Manchester, United Kingdom; <sup>2</sup>Birmingham Children's Hospital, Birmingham, United Kingdom; <sup>3</sup>Federico II University, Naples, Italy; <sup>4</sup>Alexion Pharmaceuticals, Inc., New Haven, CT, USA.
- 156 156 *MDR3 DEFICIENCY MIMICKING WILSON DISEASE: THE IMPORTANCE OF NEXT GENERATION SEQUENCING BASED MULTI-GENE PANEL ANALYSIS FOR DEFINITIVE DIAGNOSIS.* Kishwer Kumar, Ali Syed Akhtarul Hassan, Dieter broering, Mohammad Shagrani. Pediatric Transplant Hepatology, Organ Transplant Centre, King Faisal Specialist Hospital and Research Centre, Riyadh, Riyadh, Saudi Arabia.
- 157 157 *HUMAN STEM CELL-DERIVED ENCAPSULATED LIVER TISSUE AS AN EFFECTIVE, CONSISTENT AND LONG-LASTING IN VITRO TOOL FOR DRUG TESTING AND DEVELOPMENT.* Claudia Raggi<sup>2</sup>, Marie-Agnès M'Callum<sup>2</sup>, Chenicka-Lyn Mangahas<sup>2</sup>, Anu David<sup>3</sup>, Zachary Cohen<sup>2</sup>, Ariella Shikanov<sup>3</sup>, Massimiliano Paganelli<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Sainte-Justine Hospital, Université de Montréal, Montreal, QC, Canada; <sup>2</sup>Hepatology and Cell Therapy Lab, Sainte-Justine Hospital, Université de Montréal, Montreal, QC, Canada; <sup>3</sup>Biomedical Engineering, University of Michigan, Ann Arbor, MI, USA.
- 158 158 *THE ROLE OF INFECTION IN MORTALITY AFTER PEDIATRIC LIVER TRANSPLANT.* Mohamed Barr<sup>1,2</sup>, Kishwer Kumar<sup>1</sup>, Ali Syed Akhtarul Hassan<sup>1</sup>, Laszlo Szonyi<sup>1</sup>. <sup>1</sup>Pediatric Liver Transplant, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia; <sup>2</sup>Department of Pediatrics, Tanta University, Tanta, Tanta, Egypt.
- 159 159 *NEONATAL CHOLESTASIS IN AN INFANT WITH DOWN SYNDROME.* Mohammad Nasser Kabbany<sup>1</sup>, Caroline Conley<sup>2</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>, Kadakkal Radhakrishnan<sup>1</sup>. <sup>1</sup>Department of Pediatric Gastroenterology and Hepatology, Cleveland Clinic Foundation, Cleveland, OH, USA; <sup>2</sup>Pediatric Institute, Cleveland Clinic Foundation, Cleveland, OH, USA.
- 160 160 *WAITLIST AND POST-TRANSPLANTATION OUTCOMES IN LIVER TRANSPLANT REGISTRANTS AND RECIPIENTS AGES 18-24 YEARS OLD: ANALYSIS OF THE UNOS DATABASE.* Noelle Ebel<sup>1</sup>, Evelyn Hsu<sup>1,2</sup>, Kristin Berry<sup>3</sup>, Simon Horslen<sup>1,2</sup>, George Ioannou<sup>4,5</sup>. <sup>1</sup>Pediatrics, University of Washington, Seattle, WA, USA; <sup>2</sup>Center for Clinical and Translational Research, Seattle Children's Research Institute, Seattle, WA, USA; <sup>3</sup>Research and Development, Veterans Affairs Puget Sound Healthcare System, Seattle, WA, USA; <sup>4</sup>Medicine, University of Washington, Seattle, WA, USA; <sup>5</sup>Medicine, Veterans Affairs Puget Sound Healthcare System, Seattle, WA, USA.

### MICROBIOLOGY/INFECTIONS/PROBIOTICS

- 161 161 *A RARE CAUSE OF CHEST PAIN IN A HEALTHY TEENAGER: HSV ESOPHAGITIS.* Baraa Alabd Alrazzak, Monisha Shah, Benjamin Mouser, Ann Marshburn, Adil Solaiman. Pediatrics, UT Health Science Center Houston, Houston, TX, USA.
- 162 162 *DIFFERENCES IN THE STOOL AND SKIN MICROBIOME, VIRULENCE FACTOR AND ANTIMICROBIAL RESISTANCE GENES IN A PRIVATE ROOM VERSUS A SHARED SPACE NEONATAL INTENSIVE CARE UNIT.* Allison Ta<sup>1</sup>, Suchitra Hourigan<sup>1,2</sup>, Elisabeth Klein<sup>1</sup>, Rajiv Baveja<sup>1</sup>, Nassim Chettout<sup>1</sup>, Nicole Clemency<sup>1</sup>, Colin Heberling<sup>3</sup>, Poorani Subramanian<sup>3</sup>, Nur Hasan<sup>3</sup>, Rita Colwell<sup>3</sup>. <sup>1</sup>Pediatrics, Inova Fairfax Hospital, Fairfax, VA, USA; <sup>2</sup>Pediatric Specialists of Virginia, Falls Church, VA, USA; <sup>3</sup>Cosmos ID, Baltimore, MD, USA.

- 163 163 *THE IMPACT OF NUTRITIONAL PRACTICES ON THE INTESTINAL MICROBIOME IN GASTROSCHISIS INFANTS.* Allison Wu<sup>1</sup>, Smruthi Murthy<sup>2</sup>, David Lee<sup>2</sup>, Nicole Tobin<sup>2</sup>, Kara Calkins<sup>1,2</sup>. <sup>1</sup>Pediatrics, UCLA Mattel Children's Hospital, Los Angeles, CA, USA; <sup>2</sup>Pediatrics, David Geffen School of Medicine, Los Angeles, CA, USA.
- 164 164 *ROTAVIRUS AS A CAUSE OF ATYPICAL HEMOLYTIC UREMIC SYNDROME IN A PATIENT WITH SHORT BOWEL SYNDROME.* Amir Jazayeri<sup>1</sup>, Sivan Kinberg<sup>1</sup>, Sara Henen<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Columbia University, New York, NY, USA; <sup>2</sup>Pediatrics, St Joseph University, New York, NY, USA.
- 165 165 *PEDIATRIC RECURRENT C. DIFFICILE INFECTIONS – A SIGN OF UNDIAGNOSED GI DISEASE.* Angela Chu<sup>1,3</sup>, Sonia Michail<sup>2,4</sup>. <sup>1</sup>Pediatrics, Children's Hospital of Orange County, Orange, CA, USA; <sup>2</sup>gastroenterology, Miller Children's Hospital, Long Beach, CA, USA; <sup>3</sup>Pediatrics, Miller Children's Hospital, Long Beach, CA, USA; <sup>4</sup>Gastroenterology, Children's Hospital of Los Angeles, Los Angeles, CA, USA.
- 166 166 *CAMPYLOBACTER JEJUNI INDUCED INTUSSUSCEPTION RECURRENCE WITHIN A 30 HOUR PERIOD.* Antoinette Adjowa Walker, Thomas Attard. Pediatric Gastroenterology, Children's Mercy Hospital, Kansas City, MO, USA.
- 167 167 *CORRELATIONS OF SYMPTOMS, STOOL H. PYLORI VS ENDOSCOPIC BIOPSY FOR H.PYLORI.* Ayesha Baig, Fernanda Kupferman, Mohamed Hamza, Sharef Al-Mulaabed, Radha Nathan. Pediatrics, Brookdale University Hospital and Medical Center, Brooklyn, NY, USA.
- 168 168 *ANALYSIS OF MICROBIAL COMMUNITIES IN THE DUODENUM BRUSHING SAMPLES USING A COMBINATION OF METAGENOMICS AND BIOINFORMATICS TOOLS.* Bassam Abomoelak, Chirajyoti Deb, Karoly Horvath, Devendra Mehta. GI, Orlando Health, Orlando, FL, USA.
- 169 169 *FECAL MICROBIOTA TRANSPLANTATION IN THE SOLID ORGAN TRANSPLANT COMMUNITY: A GROWING EXPERIENCE.* Danielle Barnes<sup>1</sup>, KT Park<sup>2</sup>. <sup>1</sup>Pediatrics, Naval Medical Center San Diego, San Diego, CA, USA; <sup>2</sup>Pediatrics, Stanford University, Palo Alto, CA, USA.
- 170 170 *THE EFFECT OF PROTON PUMP INHIBITOR THERAPY ON THE INFANT FECAL MICROBIOME.* Denease Francis<sup>1</sup>, Grace Gathungu<sup>1</sup>, Daniel Frank<sup>2</sup>, Anupama Chawla<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Stony Brook Children's Hospital, South Setauket, NY, USA; <sup>2</sup>Infectious Disease, University of Colorado Denver, Denver, CO, USA.
- 171 171 *LACTOSE INTOLERANCE IN CHILDREN WITH NONTYPHOIDAL SALMONELLA GASTROENTERITIS IN A TERTIARY CHILDREN'S HOSPITAL IN SOUTHERN CHINA.* Min Yang<sup>2</sup>, Lu Ren<sup>2</sup>, Sitang Gong<sup>2</sup>, Ding-You Li<sup>1</sup>. <sup>1</sup>Pediatrics, Children's Mercy Hospital Kansas City, Leawood, KS, USA; <sup>2</sup>Gastroenterology, Guangzhou Women and Children's Medical Center, Guangzhou, Guangdong, China.
- 172 172 *FECAL MICROBIOTA TRANSPLANTATION IN CHILDREN DOES NOT SIGNIFICANTLY ALTER BODY MASS INDEX.* Dong Xi, Sonia Michail. Gastroenterology, Hepatology and Nutrition, Children's Hospital Los Angeles, Los Angeles, CA, USA.
- 173 173 *SINGLE CENTER EXPERIENCE IN MANAGING CLOSTRIDIUM DIFICILE IN CHILDREN* Erin Alexander<sup>1</sup>, Imad Absah<sup>2</sup>, Mark Bartlett<sup>2</sup>. <sup>1</sup>Pediatrics, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Pediatric Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA.
- 174 174 *THE ASSOCIATION BETWEEN HELICOBACTER PYLORI INFECTION AND UNDERWEIGHT IN CHILDREN AND ADOLESCENTS.* Asha Sukumaran Nair, Sharef Al-Mulaabed, Fernanda Kupferman, Radha Nathan. Pediatrics, Brookdale University Hospital, Howard Beach, NY, USA.

## NUTRITION

- 175 175 *CLASSIFICATION OF FEEDING DISORDERS IN PATIENTS REFERRED TO AN INTERDISCIPLINARY NUTRITION AND FEEDING TEAM.* Abha Kaistha, Ayelet Goldhaber, Tina Tan. Pediatrics / Division of GI, Nutrition., NYU Langone Medical Center, NY, NY, USA.
- 176 176 *CHOLECALCIFEROL VERSUS ERGOCALCIFEROL SUPPLEMENTATION FOR TREATING VITAMIN D DEFICIENCY IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE.* Abigail Lundin. Clinical Nutrition, UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA.
- 177 177 *FIRMICUTES DOMINANCE IS ASSOCIATED WITH LOWER SERUM BILIRUBIN LEVEL IN A NOVEL AMBULATORY MODEL OF PARENTERAL NUTRITION INDUCED LIVER INJURY AND GUT ATROPHY.* Puneet Puri<sup>2</sup>, Amber Price<sup>1</sup>, Patrick Gillevet<sup>3</sup>, Keith Blomenkamp<sup>1</sup>, Masoumeh Sikaroodi<sup>3</sup>, Nicole Heafner<sup>1</sup>, Matthew Westrich<sup>1</sup>, Shruthika Pochampally<sup>1</sup>, Vindhya Kakarla<sup>1</sup>, Jose Greenspon<sup>1</sup>, Gustavo Villalona<sup>1</sup>, Miguel Guzman<sup>1</sup>, John Long<sup>1</sup>, Brent Tetri<sup>1</sup>, Jeffrey Teckman<sup>1</sup>, Ajay Jain<sup>1</sup>. <sup>1</sup>Saint Louis University, Saint Louis, MO, USA; <sup>2</sup>Virginia Commonwealth University, Richmond, VA, USA; <sup>3</sup>George Mason University, Manassas, VA, USA.
- 178 178 *DEVELOPMENT AND PILOT IMPLEMENTATION OF A NUTRITION CURRICULUM AND ROTATION IN PEDIATRIC GASTROENTEROLOGY FELLOWSHIPS.* Ala Shaikhkhalil<sup>1</sup>, Candi Jump<sup>3</sup>, Praven Goday<sup>2</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology, and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Department of Gastroenterology, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>3</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA.
- 179 179 *PSYCHOSOCIAL OUTCOMES OF CHILDREN COMPLETING AN INTENSIVE OUTPATIENT BEHAVIORAL FEEDING PROGRAM.* Andrea Begotka<sup>2</sup>, Beth Long<sup>3</sup>, Praven Goday<sup>1</sup>, Alan Silverman<sup>1</sup>. <sup>1</sup>Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>2</sup>Children's Hospital of Wisconsin, Milwaukee, WI, USA; <sup>3</sup>Psychiatry, Nemours Hospital, Orlando, FL, USA.
- 180 180\* *MEASUREMENT OF BODY COMPOSITION BY AIR DISPLACEMENT PLETHYSMOGRAPHY IN PEDIATRIC INTESTINAL FAILURE PATIENTS.* Alexandra Carey<sup>1,2</sup>, Paul Mitchell<sup>3</sup>, Daniel Elman<sup>3</sup>, Christopher Duggan<sup>1,2</sup>. <sup>1</sup>Gastroenterology and Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Harvard Medical School, Boston, MA, USA; <sup>3</sup>Institutional Centers for Clinical and Translational Research, Boston Children's Hospital, Boston, MA, USA.
- 181 181 *OBSERVATIONAL STUDY OF THE DIETARY MANAGEMENT OF CONSTIPATION IN INFANTS BETWEEN THE AGE OF 1 AND 2.* Alexis Mmosca<sup>1</sup>, Christian Kempf<sup>2</sup>, Jerome Valleteau de Moulliac<sup>3</sup>, Nastassja Augé<sup>5</sup>, Geraldine Gerardi-Temporel<sup>4</sup>, Louis-Dominique Van Egroo<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, Robert Debré Hospital (APHP), Paris, France; <sup>2</sup>CKConsulting, Ottrott, France; <sup>3</sup>Pediatrician, Paris, France; <sup>4</sup>Medical Affairs, Gallia, Villefranche-sur-Saône, France; <sup>5</sup>Research and Development, Blédina, Villefranche-sur-Saône, France.
- 182 182 *MANGANESE TOXICITY IN TODDLER DEPENDENT ON PARENTERAL NUTRITION.* Amanda Fifi. Pediatric Gastroenterology, University of Miami, Miami, FL, USA.
- 183 183 *EARLY VS. LATE INITIATION OF PARENTAL NUTRITION IN A PEDIATRIC ICU: A QUALITY IMPROVEMENT INITIATIVE.* Amber McClain<sup>1</sup>, Collin Anderson<sup>2</sup>, Jennie Lueckler<sup>3</sup>, Mark Deneau<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Utah, Salt Lake City, UT, USA; <sup>2</sup>Pharmacy, Intermountain Medical Center, Salt Lake City, UT, USA; <sup>3</sup>Nutrition Support Services, Intermountain Medical Center, Salt Lake City, UT, USA.
- 184 184 *IMPACT OF BEHAVIORAL FEEDING INTERVENTION ON CHILD EMOTIONAL AND BEHAVIORAL FUNCTIONING, MATERNAL PARENTING STRESS, AND MOTHER-CHILD RELATIONSHIPS.* Amy Drayton<sup>1,2</sup>, Rachel Knight<sup>1,2</sup>, Natalie Morris<sup>1,2</sup>, Lauren Tartalone<sup>4</sup>, Kaylin Thorpe<sup>3</sup>, Nora Kallabat<sup>3</sup>. <sup>1</sup>Pediatrics, University of Michigan Medical School, Ann Arbor, MI, USA; <sup>2</sup>C.S. Mott Children's Hospital, Ann Arbor, MI, USA; <sup>3</sup>University of Michigan, Ann Arbor, MI, USA; <sup>4</sup>Kalamazoo College, Kalamazoo, MI, USA.

- 185 185 *A LIFELONG JOURNEY OF TWO BROTHERS WITH GENETIC SUCRASE-ISOMALTASE DEFICIENCY (GSID) AND EOSINOPHILIC ESOPHAGITIS (EOE)*. Anne Boney<sup>1</sup>, Tara McCarthy<sup>2</sup>. <sup>1</sup>QOL Medical, LLC, Vero Beach, FL, USA; <sup>2</sup>Kindrfood, Boston, MA, USA.
- 186 186 *AN UNUSUAL CASE OF NUTRITIONAL HYPOCALCEMIC SEIZURES IN AN ADOLESCENT WITH AUTISM SPECTRUM DISORDER*. Archana Kota, Lidija Palezac, Renee Bargman, Krishan Kumar. Pediatrics, Nassau University Medical Center, East Meadow, NY, USA.
- 187 187 *AN UNUSUAL CASE OF SHORT BOWEL SYNDROME COMPLICATED BY FOOD PROTEIN INDUCED ENTEROCOLITIS AND ANASTOMOTIC ULCERS*. Art Kastl, Christina Bales, Lindsey Albenberg, Judith Kelsen. Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Philadelphia, Chicago, IL, USA.
- 188 188 *OUTREACH PARENTERAL NUTRITION PROGRAM: 9 YEAR EXPERIENCE OF THE FIRST PROGRAM IN SAUDI ARABIA*. Badr Alsalem<sup>1</sup>, Nurah Albanyan<sup>2</sup>, Ali Asery<sup>1</sup>, Abdulrahman Al-Hussaini<sup>1</sup>, Amna Ahmed<sup>1</sup>, Khurram Lone<sup>1</sup>, Sameh Awwad<sup>2</sup>, Michelle Manganaan<sup>1</sup>, Suzan Alobaid<sup>3</sup>, Sara AlQahtani<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology Section, King Fahad Medical City, Faculty of Medicine, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia; <sup>2</sup>Pharmacy Administration, King Fahad Medical City, Riyadh, Saudi Arabia; <sup>3</sup>Clinical Nutrition Department, King Fahad Medical City, Riyadh, Saudi Arabia.
- 189 189 *FILLING THE FEEDING GAP: INTERVENTIONS IN A NUTRITION NICU GRADUATE CLINIC*. Elizabeth Antonio<sup>2</sup>, Xiaoyi Zhang<sup>2</sup>, Lauren Sams<sup>2</sup>, Sarah Taylor<sup>3</sup>, Candi Jump<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA; <sup>2</sup>Pediatrics, Medical University of South Carolina, Charleston, SC, USA; <sup>3</sup>Neonatology, Medical University of South Carolina, Charleston, SC, USA.
- 190 190 *A SCHOOL BASED CROSSECTIONAL STUDY ON THE RELATION OF FUNCTIONAL GASTROINTESTINAL DISORDERS AND NUTRITIONAL STATUS IN CHILDREN AND ADOLESCENTS FROM EL SALVADOR*. Carlos Velasco-Benitez<sup>1</sup>, Roberto Zablah<sup>2</sup>, Miguel Saps<sup>3</sup>. <sup>1</sup>Pediatrics, Universidad del Valle, Cali, Colombia; <sup>2</sup>Hospital Nacional de Niños Benjamín Bloom, San Salvador, El Salvador; <sup>3</sup>Department of Pediatric Gastroenterology, Hepatology, and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA.
- 191 191 *DAILY CONSUMPTION OF CHOLESTEROL, SATURATED, MONO-UNSATURATED AND POLYUNSATURATED FATTY ACIDS IN DIABETIC CHILDREN OF THE HOSPITAL UNIVERSITARIO DEL VALLE "EVARISTO GARCIA" OF CALI, COLOMBIA*. Carlos Velasco-Benitez, Audrey Mary Matallana, Claudia Ortiz. Pediatrics, Universidad del Valle, Cali, Colombia.
- 192 192 *METABOLIC STATUS AFTER 8 WEEKS OF PHYSICAL ACTIVITY IN CHEERLEADERS IN CALI, COLOMBIA*. Carlos Velasco-Benitez<sup>1</sup>, Katherine Arias<sup>2</sup>. <sup>1</sup>Pediatrics, Universidad del Valle, Cali, Colombia; <sup>2</sup>Grupo de Investigacion Gastrohnutp Univalle, Cali, Colombia.
- 193 193 *COPPER DEFICIENCY-INDUCED BICYTOPENIA CAUSED BY POOR COMPLIANCE IN A PEDIATRIC PATIENT WITH CHRONIC MALNUTRITION*. Dae Yong Yi, Min Hyung Kim. Pediatrics, Chung-Ang University Hospital, Seoul, Korea (the Republic of).
- 194 194 *NEUTROPENIA AS A RESULT OF COPPER DEFICIENCY IN A PEDIATRIC INTESTINAL FAILURE PATIENT ON FULL ENTERAL NUTRITION*. Danielle Stamm<sup>2,1,3</sup>, Megan McGivney<sup>2,1,3</sup>, Christopher Duggan<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Center for Advanced Intestinal Rehabilitation (CAIR), Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Surgery, Boston Children's Hospital, Boston, MA, USA.
- 195 195 *OUTCOMES AND SAFETY OF BLENDERIZED TUBE FEEDINGS IN PEDIATRIC PATIENTS: A SINGLE CENTER'S EXPERIENCE*. Daphney Kernizan, Daria Mintz, Michele Colin, Lee Melanie, Lindsay Yoakam, Yen Chen, Elizaveta Iofel, Soula Koniaris, Melissa Weidner. Pediatrics, Rutgers Robert Wood Johnson University Hospital, Iselin, NJ, USA.

- 196 196 *ESSENTIAL FATTY ACID DEFICIENCY WITH SMOF LIPID MINIMIZATION IN A NEONATE: A CASE REPORT.* Naureen Memon<sup>1</sup>, Karen Hussein<sup>2</sup>, Thomas Hegyi<sup>2</sup>, Aimee Herdt<sup>1</sup>, Ian Griffin<sup>1</sup>. <sup>1</sup>MidAtlantic Neonatology Associates, Morristown, NJ, USA; <sup>2</sup>Pediatrics, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA.

### **PANCREAS/CELIAC/MALABSORPTION**

- 197 197 *VITAMIN D AND MALNUTRITION STATUS OF NEWLY DIAGNOSED PEDIATRIC CELIAC PATIENTS.* Kara Feigenbaum, Lisa Fahey, Nancy Sacks, Ritu Verma. The Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 198 198 *ZONULIN TRANSGENIC MOUSE AS A MODEL OF GUT-BRAIN AXIS CROSSTALK INFLUENCING BEHAVIOR.* Alba Miranda-Ribera<sup>1,2</sup>, Phillip Daniel Rivera<sup>3,4</sup>, Phuong Kim Tran<sup>3,4</sup>, Jिंगgang Lan<sup>1,2</sup>, Staci Bilbo<sup>3,4</sup>, Alessio Fasano<sup>1,2</sup>, Maria Rosaria Fiorentino<sup>1,2</sup>. <sup>1</sup>Mucosal Immunology and Biology Research Center, Massachusetts General Hospital, Charlestown, MA, USA; <sup>2</sup>Division of Pediatric Gastroenterology and Nutrition, Harvard Medical School, Boston, MA, USA; <sup>3</sup>Lurie Center for Autism, MassGeneral Hospital for Children, Boston, MA, USA; <sup>4</sup>Program in Neuroscience, Harvard Medical School, Massachusetts General Hospital for Children, Boston, MA, USA.
- 199 199 *CHRONIC PANCREATITIS IS A DEVASTATING DISEASE ACROSS ALL AGES: COMPARISON OF TWO LARGE PEDIATRIC AND ADULT MULTICENTER COHORTS.* Aliye Uc<sup>1</sup>, Sarah Schwarzenberg<sup>2</sup>, Mark Lowe<sup>3</sup>, Judah Abberbock<sup>5</sup>, Bridget Zimmerman<sup>4</sup>, David Whitcomb<sup>5</sup>, Dhiraj Yadav<sup>5</sup>. <sup>1</sup>Stead Family Department of Pediatrics, University of Iowa, Iowa City, IA, USA; <sup>2</sup>University of Minnesota, Minneapolis, MN, USA; <sup>3</sup>Washington University, St Louis, MO, USA; <sup>4</sup>Biostatistics, University of Iowa, Iowa City, IA, USA; <sup>5</sup>University of Pittsburgh, Pittsburgh, PA, USA.
- 200 200 *A COMPLICATED CASE OF A SINGLE EPISODE OF NECROTIZING PANCREATITIS AND PSEUDOCYST LEADING TO EXOCRINE PANCREATIC INSUFFICIENCY.* Amanda Glinky<sup>1</sup>, Patricio Arias<sup>1,2</sup>, Neha Santucci<sup>1,2</sup>. <sup>1</sup>Pediatrics, Louisiana State University Health Sciences Center, New Orleans, LA, USA; <sup>2</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital, New Orleans, LA, USA.
- 201 201 *CISAPRIDE® USE IN PEDIATRIC PATIENTS WITH INTESTINAL FAILURE AND ITS IMPACT ON PROGRESSION OF ENTERAL NUTRITION.* Andrea Martinez<sup>1,2</sup>, Christina Kosar<sup>2</sup>, Yaron Avitzur<sup>1,2</sup>, Paul W. Wales<sup>2,3</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Group for Improvement of Intestinal Function and Treatment (GIFT), Hospital for Sick Children, Toronto, ON, Canada; <sup>3</sup>Division of General and Thoracic Surgery, Hospital for Sick Children, Toronto, ON, Canada.
- 202 202\* *ANALYSIS OF PEDIATRIC PANCREATITIS (APPLE STUDY). MULTRICENTRE PROSPECTIVE DATA COLLECTION AND ANALYSIS BY THE HUNGARIAN PANCREATIC STUDY GROUP.* Andrea Parniczky<sup>1,2</sup>, Balázs Csaba Németh<sup>3</sup>, Dóra Mosztbacher<sup>1,4</sup>, Anna Zsófia Tóth<sup>5</sup>, Natália Lásztity<sup>2</sup>, Alexandra Demcsák<sup>5</sup>, Andrea Szentesi<sup>1</sup>, Corina Pienar<sup>10</sup>, István Tokodi<sup>6</sup>, Ibolya Vass<sup>7</sup>, Orsolya Kadenczki<sup>8</sup>, Judit Czelecz<sup>11</sup>, Gábor Veres<sup>4</sup>, Miklós Sahin-Tóth<sup>9</sup>, Péter Hegyi<sup>1</sup>. <sup>1</sup>Institute for Translational Medicine, University of Pécs, Pécs, Hungary; <sup>2</sup>Heim Pal Children's Hospital, Budapest, Hungary; <sup>3</sup>Department of Medicine, University of Szeged, Szeged, Hungary; <sup>4</sup>First Department of Pediatrics, University of Semmelweis, Budapest, Hungary; <sup>5</sup>First Department of Pediatrics, University of Szeged, Szeged, Hungary; <sup>6</sup>Department of Pediatrics, St. George Teaching Hospital County Fejér, Székesfehérvár, Hungary; <sup>7</sup>Department of Pediatrics, University of Pécs, Pécs, Hungary; <sup>8</sup>Department of Pediatrics, University of Debrecen, Debrecen, Hungary; <sup>9</sup>Boston University Henry M. Goldman School of Denatal Medicine, Boston, MA, USA; <sup>10</sup>Department of Pediatrics, Victor Babes University of Medicine and Pharmacy, Timisoara, Romania; <sup>11</sup>Bethesda Children's Hospital, Budapest, Hungary.
- 203 203 *RESPONSE TO HEPATITIS B REVACCINATION IN CHILDREN WITH CELIAC DISEASE.* Hannah Martin, Manan Shah, Anthony Porto. Pediatrics, Yale University, New Haven, CT, USA.

- 204 204 *COMPARING THE THERAPEUTIC RESPONSE IN EOSINOPHILIC ESOPHAGITIS BETWEEN CHILDREN WITH AND WITHOUT CELIAC DISEASE.* Arunjot Singh<sup>1</sup>, Rachel Borlack<sup>2</sup>, Peter Green<sup>3</sup>, Norelle Reilly<sup>1,3</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Columbia University Medical Center, New York, NY, USA; <sup>2</sup>Pediatrics, NewYork-Presbyterian Hospital, New York, NY, USA; <sup>3</sup>Celiac Disease Center, Columbia University Medical Center, New York, NY, USA.
- 205 205 *ARE WE OVERLOOKING CELIAC DISEASE IN THE PEDIATRIC OUTPATIENT DEPARTMENT?* Awab Ali Ibrahim. Pediatrics, University of South Alabama, Mobile, AL, USA.
- 206 206 *24 CASES OF CONGENITAL TUFTING ENTEROPATHY, THE CLINICAL FEATURES AND OUTCOME, THE LARGEST SERIES.* Badr Alsaleem<sup>1</sup>, Ali Asery<sup>1</sup>, Musa Faqeeh<sup>2</sup>, Nurah Albanyan<sup>3</sup>, Abdulrahman Al-Hussaini<sup>1</sup>, Khurram Lone<sup>1</sup>, Amna Ahmed<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, King Fahad Medical City, Faculty of Medicine, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia; <sup>2</sup>Pathology & Clinical Laboratory Medicine, King Fahad Medical City, Riyadh, Saudi Arabia; <sup>3</sup>Pharmacy Administration, King Fahad Medical City, Riyadh, Saudi Arabia.
- 207 207 *SAMD9-ASSOCIATED ENTEROPATHY IN MIRAGE SYNDROME.* Becky (Biqi) Chen<sup>1</sup>, Jefferson Terry<sup>2</sup>, Vishal Avinashi<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, British Columbia Children's Hospital, Vancouver, BC, Canada; <sup>2</sup>Pathology and Laboratory Medicine, British Columbia Children's Hospital, Vancouver, BC, Canada.
- 208 208 *USE OF AN IN-LINE DIGESTIVE ENZYME CARTRIDGE IN PEDIATRIC CYSTIC FIBROSIS PATIENTS.* Candi Jump<sup>1</sup>, Sara Hendrix<sup>2</sup>, Suzanne Michel<sup>2</sup>, Patrick Flume<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA; <sup>2</sup>Nutrition, Medical University of South Carolina, Charleston, SC, USA; <sup>3</sup>Pulmonology, Medical University of South Carolina, Charleston, SC, USA.
- 209 209 *CELIAC DISEASE IN HEALTHY COLOMBIAN CHILDREN BY ANTI-TRANSGLUTAMINASE AND ANTIGENIC HISTOCOMPATILITY ANTIGENS.* Carlos Velasco-Benitez<sup>1</sup>, Angeles Ruiz<sup>2</sup>, Claudia Ortiz<sup>1</sup>. <sup>1</sup>Pediatría, Universidad del Valle, Cali, Colombia; <sup>2</sup>Universidad de Granada, Granada, Spain.
- 210 210 *A FOCUS ON STENOSIS: PATIENT WITH CHRONIC PANCREATITIS AND PANCREATICOPLEURAL FISTULA WITH PANCREATIC DUCT STENOSIS.* Chinonyelum Obih, David Gremse. Pediatrics, University of South Alabama, Mobile, AL, USA.
- 211 211 *HIGH CARRIER FREQUENCY OF THE FOUR MOST COMMON CONGENITAL SUCRASE-ISOMALTASE DEFICIENCY PATHOGENIC VARIANTS DETECTED IN PEDIATRIC CASES WITH SYMPTOMS AND LOW SUCRASE VERSUS CONTROLS WITH NORMAL SUCRASE.* Chirajyoti Deb<sup>1</sup>, Devendra Mehta<sup>1,2</sup>, Vanessa Ruiz<sup>1</sup>, Bassam Abomoelak<sup>1</sup>, Angelina Avdella<sup>1</sup>, Heather Smith<sup>3</sup>, Derrick Cooper<sup>3</sup>. <sup>1</sup>Gastrointestinal Translational Laboratory, Orlando Health, Orlando, FL, USA; <sup>2</sup>Center for Digestive Health and Nutrition, APH, Orlando Health, Orlando, FL, USA; <sup>3</sup>QOL Medical, Vero Beach, FL, USA.
- 212 212 *LYMPHANGIECTASIA AS A CAUSE OF REFRACTORY ASCITES.* Corey Baker<sup>1</sup>, Batul Kaj<sup>1</sup>, Michael Gee<sup>3</sup>, Shawn Diamond<sup>2</sup>, Stephen Hardy<sup>1</sup>, Uzma Shah<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Mass General Hospital for Children, Boston, MA, USA; <sup>2</sup>Plastic Surgery, Shriners' Hospital for Children, Boston, MA, USA; <sup>3</sup>Pediatric Radiology, Mass General Hospital for Children, Boston, MA, USA.
- 213 213 *PREVALENCE OF SPLANCHNIC VEIN THROMBOSIS IN PEDIATRIC PANCREATITIS – A SINGLE CENTER EXPERIENCE.* Craig McKinney<sup>1</sup>, Jeremy Middleton<sup>2</sup>. <sup>1</sup>Pediatrics, University of Virginia Children's Hospital, Charlottesville, VA, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, University of Virginia Children's Hospital, Charlottesville, VA, USA.
- 214 214 *HIGHER PREVALENCE OF MICROALBUMINURIA IN CHILDREN WITH DUAL DIAGNOSIS OF TYPE 1 DIABETES AND CELIAC DISEASE DESPITE NO DIFFERENCE IN CARDIOVASCULAR RISK FACTORS.* Chijioke Ikomi<sup>2</sup>, Lindsey Hornung<sup>3</sup>, Amy Shah<sup>2</sup>, Daniel Mallon<sup>1</sup>, Nancy Crimmins<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Endocrinology,

Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.

- 215 215 *USE OF REMNANT SERUM FOR FATTY ACID BINDING PROTEIN TESTING IN INFANTS.* Darla Shores<sup>1</sup>, Fauzia Shakeel<sup>2</sup>, Jun Yang<sup>1</sup>, Allen Everett<sup>1</sup>. <sup>1</sup>Pediatrics, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>Pediatrics, Johns Hopkins Medicine All Children's Hospital, St. Petersburg, FL, USA.
- 216 216 *SUPERIOR DIAGNOSTIC YIELD OF GADOXETATE DISODIUM CONTRAST AGENT IN MAGNETIC RESONANCE CHOLANGIOPANCREATOGRAPHY (MRCP) FOR PANCREATICOBILIARY MALJUNCTION IN A PEDIATRIC PATIENT.* Desiree Sierra<sup>1</sup>, Alice Huang<sup>1</sup>, Jesse Reeves-Garcia<sup>2</sup>, Erick Hernandez<sup>2</sup>, Roberto Gomara<sup>2</sup>, Richard Arboleda<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.
- 217 217 *THE PRESENCE OF ANSA PANCREATICA IN ASSOCIATION WITH ACUTE PANCREATITIS IN PEDIATRICS.* Arvind Panchoo<sup>1</sup>, Juan Infante<sup>3</sup>, Edgardo Rivera Rivera<sup>2</sup>. <sup>1</sup>Pediatrics, Jackson Memorial Hospital, Miami, FL, USA; <sup>2</sup>Pediatrics - Gastroenterology, University of Miami, Miami, FL, USA; <sup>3</sup>Radiology - Pediatrics, University of Miami, Miami, FL, USA.
- 218 218 *PROOF OF CONCEPT: COMPARISON OF THE BLOOD MICROBIOME BETWEEN CELIAC DISEASE PATIENTS AND HEALTHY DONORS.* Camron Davies, Gloria Serena, Alessio Fasano. Pediatrics, Massachusetts General Hospital, Boston, MA, USA.
- 219 219 *THE PREVALENCE OF HELICOBACTER PYLORI IN CELIAC CASES AND ITS EFFECT ON CLINIC, HISTOPATHOLOGY AND LABORATORY PARAMETERS.* Gokhan Tumgor<sup>1</sup>, Mehmet Agin<sup>1</sup>, Inci Batun<sup>2</sup>, Semine Ozdemir<sup>2</sup>, Figen Doran<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Cukurova University Medical Faculty, Adana, Turkey; <sup>2</sup>Pediatrics, Cukurova University Medical Faculty, Adana, Turkey; <sup>3</sup>Pathology, Cukurova University Medical Faculty, Adana, Turkey.
- 220 220 *HEREDITARY PANCREATITIS IN CHILDREN - REPORT OF 62 CASES.* Grzegorz Oracz, Karolina Wejnarska, Elwira Kolodziejczyk, Jaroslaw Kierkus. Department of Gastroenterology, Hepatology, Feeding Disorders and Pediatrics, The Children's Memorial Health Institute, Warsaw, Poland.
- 221 221 *INCREASED ANTIDEPRESSANT AND STIMULANT USE IN CHILDREN WITH CELIAC DISEASE.* Haley Zylberberg<sup>1</sup>, Jonas Ludvigsson<sup>2,3</sup>, Peter Green<sup>1</sup>, Norelle Reilly<sup>1</sup>. <sup>1</sup>Celiac Disease Center, Columbia University Medical Center, New York, NY, USA; <sup>2</sup>Medical Epidemiology and Biostatistics, Karolinska University Hospital and Karolinska Institute, Stockholm, Sweden; <sup>3</sup>Pediatrics, Örebro University Hospital, Örebro, Sweden.
- 222 222 *SPECTRUM OF CHRONIC PANCREATITIS IN PAKISTANI CHILDREN.* Huma Cheema. Pediatric Gastroenterology Hepatology, Children's Hospital Lahore, Lahore, Punjab, Pakistan.
- 223 223 *ASSESSING THE RISK OF CELIAC DISEASE IN FIRST DEGREE RELATIVES WITH POSITIVE CELIAC SEROLOGY.* Shilpa Nellikkal<sup>1</sup>, Yamen Hafed<sup>1</sup>, Joseph Larson<sup>2</sup>, Imad Absah<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology and Hepatology, Mayo clinic, Rochester, MN, USA; <sup>2</sup>Gastroenterology and Hepatology, Mayo clinic, Rochester, MN, USA.
- 224 224 *PEDIATRIC H. PYLORI – AN EMERGING ASSOCIATION WITH PANCREATITIS?* Javier Monagas<sup>1</sup>, Chris Moreau<sup>2</sup>, Lauren Delbosque<sup>1</sup>, Robert Noel<sup>1</sup>, Sandeep Patel<sup>2</sup>. <sup>1</sup>Pediatric, Baylor College of Medicine, San Antonio, TX, USA; <sup>2</sup>Medicine, UT San Antonio, San Antonio, TX, USA.
- 225 225 *RECOVERY OF TOTAL VILLOUS ATROPHY IN A PEDIATRIC PATIENT AS IDENTIFIED BY VIDEO CAPSULE ENDOSCOPY.* Jennifer Colombo<sup>1</sup>, Dalya El Tawil<sup>1</sup>, Mohamed Radhi<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Children Mercy Kansas City, Kansas City, MO, USA; <sup>2</sup>Pediatric Bone Marrow Transplant, Children's Mercy Kansas City, Kansas City, MO, USA.

- 226 226 *CLINICAL CHARACTERISTICS IN A CASE CONTROL STUDY OF CHILDREN WITH NECROTIZING PANCREATITIS.* Joshua Carroll, David Troendle, Shellie Josephs, Luis Sifuentes-Dominguez, Edaire Cheng, Bradley Barth. Pediatrics, UT Southwestern, Dallas, TX, USA.
- 227 227 *COST ANALYSIS OF SEROLOGICAL VERSUS BIOPSY-PROVEN DIAGNOSIS OF PEDIATRIC CELIAC DISEASE.* Jessica Wu<sup>2</sup>, Helen So<sup>3</sup>, Scott Klarenbach<sup>3</sup>, Hien Huynh<sup>1</sup>, Min Chen<sup>2</sup>, Leanne Shirton<sup>2</sup>, Deborah Ironside<sup>2</sup>, Patricia Campbell<sup>3</sup>, Justine Turner<sup>1,2</sup>. <sup>1</sup>Pediatrics, University of Alberta, Alberta, AB, Canada; <sup>2</sup>Multidisciplinary Celiac Disease Clinic, Stollery Children's Hospital, Edmonton, AB, Canada; <sup>3</sup>Medicine, University of Alberta, Edmonton, AB, Canada.
- 228 228 *UNDERSTANDING THE EFFECTS OF THE GLUTEN FREE DIET AND PROCESSED GLUTEN FREE FOODS ON NUTRITIONAL STATUS IN PEDIATRIC PATIENTS DIAGNOSED WITH CELIAC DISEASE.* Karine Amirikian<sup>1</sup>, Naire Sansotta<sup>2,3</sup>, Stefano Guandalini<sup>2</sup>, Hilary Jericho<sup>2</sup>. <sup>1</sup>Department of Pediatrics, The University of Chicago Medicine, Chicago, IL, USA; <sup>2</sup>Section of Gastroenterology, Hepatology, and Nutrition, Department of Pediatrics, The University of Chicago Medicine, Chicago, IL, USA; <sup>3</sup>Department of Pediatrics, University of Verona, Verona, Italy.
- 229 229 *THE CD-GEMM STUDY: IMPACT OF MODE OF DELIVERY, GENETIC PREDISPOSITION, AND ANTIBIOTIC EXPOSURE ON MICROBIOME AND METAGENOMIC PROFILES IN INFANTS AT-RISK OF CELIAC DISEASE.* Maureen Leonard<sup>1,2,3</sup>, Gloria Serena<sup>2,3</sup>, Stephanie Camhi<sup>2</sup>, Victoria Kenyon<sup>2</sup>, Francesco Valitutti<sup>4</sup>, Salvatore Cucchiara<sup>4</sup>, Nur Hasan<sup>5</sup>, Poorani Subramanian<sup>6</sup>, Brian Fanelli<sup>6</sup>, Rita Colwell<sup>5,6</sup>, Alessio Fasano<sup>1,2,3</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, MassGeneral Hospital for Children, Boston, MA, USA; <sup>2</sup>Center For Celiac Research and Treatment, MassGeneral Hospital for Children, Boston, MA, USA; <sup>3</sup>Harvard Medical School, Boston, MA, USA; <sup>4</sup>Pediatric Gastroenterology and Liver Unit, Sapienza University of Rome, Rome, Italy; <sup>5</sup>University Of Maryland, College Park, MD, USA; <sup>6</sup>CosmosID, Rockville, MD, USA.
- 230 230 *OPIOID PAIN MANAGEMENT IN DIFFERENT AGE GROUPS OF CHILDREN WITH ACUTE PANCREATITIS.* Jonathan Miller<sup>1</sup>, Michael Dolinger<sup>1</sup>, Samuel Bitton<sup>2</sup>, Peter Nauka<sup>3</sup>, Nina Kohn<sup>4</sup>, Toba Weinstein<sup>2</sup>. <sup>1</sup>General Pediatrics, Steven and Alexandra Cohen Children's Medical Center, Northwell Health, New Hyde Park, NY, USA; <sup>2</sup>Pediatric Gastroenterology, Steven and Alexandra Cohen Children's Medical Center, Northwell Health, New Hyde Park, NY, USA; <sup>3</sup>Hofstra Northwell School of Medicine, Hempstead, NY, USA; <sup>4</sup>Biostatistics unit, Feinstein Institute for Medical Research, Great Neck, NY, USA.
- 231 231 *CHILDHOOD ACUTE AND RECURRENT ACUTE PANCREATITIS: EXPLORATION OF CLINICAL PRESENTATIONS, ETIOLOGIES AND OUTCOMES.* Rafael Guerrero-Lozano<sup>1</sup>, Viviana Fonseca<sup>1,2</sup>. <sup>1</sup>Pediatrics, Universidad Nacional de Colombia, Bogotá, IT, Colombia; <sup>2</sup>Hospital de la Misericordia, Bogotá, Colombia.
- 232 232 *PANCREATIC GENE EXPRESSION DURING RECOVERY AFTER PANCREATITIS REVEALS UNIQUE TRANSCRIPTOME PROFILES.* Kristy Boggs<sup>1</sup>, Ting Wang<sup>1</sup>, Abraham Orabi<sup>1</sup>, Tao Sun<sup>1</sup>, John Eisses<sup>1</sup>, Farzad Esni<sup>2</sup>, Wei Chen<sup>1</sup>, Sohail Husain<sup>1</sup>. <sup>1</sup>Pediatrics, U of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Surgery, U of Pittsburgh, Pittsburgh, PA, USA.



Friday November 3, 2017

**APGNN Annual Meeting**  
**Program Chair Maureen Egan, APN**

7:30am – 5:15pm  
Milano 1 and 2

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7:30am - 8:00am	REGISTRATION/BREAKFAST/WELCOME	
8:00am - 8:45am	BUSINESS MEETING	
8:45am - 9:30am	LEADERSHIP: STRATEGIES FOR LIFE Minta Albietz, RN, MS, Kindred Hospital Learning objectives: 1. Identify leadership styles to consider in variable work place environments 2. Describe how leadership styles impact team dynamics 3. Illustrate best practices for team integration	
9:30am - 10:00am	FUSSY BABY Jon Vanderhoof MD, Boston Children's Hospital Learning objectives: 1. Understand why infants cry 2. Learn appropriate intervention in crying infants	
10:00am - 10:15am	BREAK	Exhibit Hall
10:15am - 12:00pm	CELIAC: THE LAS VEGAS TEAM	
10:15am - 11:15am	LIVING WITH CELIAC DISEASE Teresa Carroll, APRN, Pediatric Gastroenterology and Nutrition Associates Learning objectives: 1. Identify both GI and non-GI symptoms 2. Discuss updated in celiac health surveillance 3. Discuss food contamination risk in the home 4. Identify how to plan for social events, eating out and travel	
11:15am - 11:45am	EATING GLUTEN FREE: SEPARATING THE WHEAT FROM THE CHAFF Holly Brewer MS, RDN, LD, Pediatric Gastroenterology and Nutrition Associates Learning objectives: 1. List gluten-containing food groups 2. Name safe starches/grains that are gluten free 3. Identify cross-contamination risks and how to avoid	
11:45am - 12:00pm	QUESTIONS	
12:00pm - 1:00pm	POSTERS AND LUNCH	Exhibit Hall

1:00pm - 3:00pm	<b>NUTRITION MODULE</b>
1:00pm - 1:30pm	<p><b>MALNUTRITION A TEAM APPROACH</b>  Natalie Navarre MS, RD, LD and Maureen Egan, APRN Nemours DuPont Pediatrics Division of Gastroenterology</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Discuss common causes for malnutrition/FTT</li> <li>2. Identify initial interventions to address nutrition concerns</li> </ol>
1:30pm - 2:00pm	<p><b>THE NUTRITIONIST PHYSICAL EXAM</b>  Carly Leon RD, Children’s Hospital of Wisconsin</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Identify at least 3 components of the Dietitian’s Nutrition-Focused Physical Exam</li> <li>2. Discuss the value of nutrition physical exam findings as they pertain to promoting and implementing nutrition recommendations.</li> <li>3. Explain value of the mid-upper arm circumference and how it pertains to growth and pediatric malnutrition</li> </ol>
2:00pm - 2:30pm	<p><b>BLENDERIZED TUBE FEEDINGS (BTF): WHAT NURSES NEED TO KNOW</b>  Margaret Girten, RD, CSP, LDN, Children’s Hospital of Philadelphia</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Identify and compare commercial and home blended diets</li> <li>2. Recognize traits of patients who might be suited for BTF</li> <li>3. Recognize benefits and challenges BTF for the family and medical team</li> </ol>
2:30pm - 3:00pm	<p><b>REFEEDING SYNDROME AND LAB VALUES</b>  Stacey Townsend MS, RD, LDN, CSP, National Institutes of Health</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Describe what refeeding syndrome is, to include signs, symptoms, lab assessment</li> <li>2. Identify who is at risk for refeeding syndrome</li> <li>3. Recognize how to prevent refeeding syndrome</li> <li>4. Identify recommended treatments and standard of care to prevent and treat refeeding syndrome</li> </ol>
3:00pm - 3:15pm	<b>BREAK</b>
3:15pm - 4:15pm	<b>FPIES MODULE</b>
3:15pm - 3:45pm	<p><b>FPIES</b>  Glenn Furuta MD, Children’s Hospital Colorado</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Recognize the differential diagnosis of diarrhea in infancy</li> <li>2. Identify role of gastroenterology in diagnosis of FPIES</li> </ol>

3:45pm - 4:15pm	<p><b>FPIES: A PARENT’S PERSPECTIVE</b>  Joy Meyer and Amanda Lefew Co-Directors The FPIES Foundation  Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Define Food Protein Induced Enterocolitis Syndrome</li> <li>2. Recognize the parent perspective of having a child diagnosed with FPIES</li> <li>3. Describe the quality of life adjustments for families living with FPIES</li> </ol>	
4: 15pm - 5:15pm	<p><b>ARE YOU SMARTER THAN A 5TH GRADER</b>  Norberto Rodriguez-Baez MD, University of Texas Southwestern Medical Center  Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Know diagnostic and radiological studies used in common gastrointestinal diseases</li> <li>2. Understand the mechanism of action of common medications used in pediatric gastroenterology and hepatology</li> <li>3. Describe different pathogens causing diseases in the gastrointestinal tract</li> </ol>	
5:15pm	<b>CONFERENCE WRAP UP</b>	
5:15pm - 6:00pm	<b>COMMITTEE MEETINGS</b>	
6:00pm	<b>APGNN SOCIAL EVENT</b>	<b>Neopolitan 3 - 4</b>

Friday, November 3  
(See ticket for room assignment)

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7:00am – 8:00am      **MEET THE PROFESSOR BREAKFASTS** (Registration Required)

1. IMMIGRATION: SOME CONSIDERATIONS  
Jose Garza MD, Eva Garcia Mendoza Esq, and Ellie Najfabadi Esq
  
2. USING SOCIAL MEDIA IN RESEARCH RESPONSIBLY AND EFFECTIVELY  
Douglas Mogul MD and Sonia Michail MD
  
3. IBD/ACUTE SEVERE COLITIS: CASE DISCUSSION  
Jennifer Dotson MD and Cary Sauer MD
  
4. DIETARY MANAGEMENT IN IBD: CHALLENGING CASES  
Lindsey Albenberg MD, Jennifer Smith RD and Edwin De Zoeten MD
  
5. UNDERSTANDING GENETIC TESTING IN CHOLESTATIC LIVER DISEASE  
Saul Karpen MD and Alex Miethke MD
  
6. CVS: VOMITING THAT JUST WON'T STOP  
B Li MD and Katya Kovacic MD
  
7. EoE: DIAGNOSIS, TREATMENT, AND MONITORING  
Vince Mukkada MD and Amanda Muir MD
  
8. NUTRITION: DIAGNOSIS AND MANAGEMENT OF FPIES  
Barry Wershil MD and Sally Schwartz RD, CSP, LDN
  
9. STRUGGLES WITH GASTROPARESIS (in Spanish)  
Alex Flores MD and Ricardo Medina MD

## Plenary Session

Friday November 3, 2017

8:00am – 10:15am

Augustus 1 - 4

Moderators: James Heubi MD and Karen Murray MD

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### 8:00 Introduction

James Heubi MD, President NASPGHAN

### William Balistreri Prize

- 8:05 233 - NEUROSTIMULATION FOR FUNCTIONAL ABDOMINAL PAIN DISORDERS IN CHILDREN-A RANDOMIZED, DOUBLE BLIND, SHAM-CONTROLLED TRIAL. Katja Kovacic<sup>1</sup>, Keri Hainsworth<sup>2</sup>, Manu Sood<sup>1</sup>, Gisela Chelimsky<sup>1</sup>, Rachel Unteutsch<sup>1</sup>, Melodee Nugent<sup>1</sup>, Pippa Simpson<sup>1</sup>, Adrian Miranda<sup>1</sup>.  
<sup>1</sup>Department of Pediatrics, Medical College of Wisconsin, Brookfield, WI, USA; <sup>2</sup>Department of Anesthesiology, Medical College of Wisconsin, Milwaukee, WI, USA.

### Fellow Research Award

- 8:15 234 - SYMPTOMS UNDERESTIMATE ENDOSCOPIC ACTIVITY IN PSC-IBD. Amanda Ricciuto, Nicholas Carman, Jennifer Fish, Eileen Crowley, Peter Church, Aleixo Muise, Thomas Walters, Binita Kamath, Anne Griffiths. Gastroenterology, Hospital for Sick Children, Toronto, ON, Canada
- 8:25 **KEYNOTE ADDRESS: ORGANOID: CURRENT AND FUTURE PROMISE FOR CHANGING TREATMENT OF GASTROINTESTINAL AND LIVER DISORDERS**  
James Wells PhD, Cincinnati Children's Hospital Medical Center

### 8:55 BUSINESS MEETING

### 9:15 YEAR IN REVIEW

Melvin Heyman MD, UCSF, Editor, *Journal of Pediatric Gastroenterology and Nutrition*

### Young Faculty Investigator Award

- 9:45 235 - ALTERED BILIARY DIFFERENTIATION OF BILIARY ATRESIA-RELEVANT HUMAN IPSC LINES. Lipeng Tian<sup>1</sup>, Zhahou Ye<sup>2</sup>, Robert Anders<sup>3</sup>, Dylan Stewart<sup>4</sup>, Kathleen Schwarz<sup>5</sup>, Yoon Young Jang<sup>1</sup>.  
<sup>1</sup>Oncology, Johns Hopkins Medical Institutions, Baltimore, MD, USA; <sup>2</sup>FDA, Silver Spring, MD, USA; <sup>3</sup>Pathology, JMHI, Baltimore, MD, USA; <sup>4</sup>Surgery, JHMI, Baltimore, MD, USA; <sup>5</sup>Pediatrics, JHMI, Baltimore, MD, USA

### Gerard Odell Prize

- 9:55 236 - MIXED LINEAGE KINASE 3 INHIBITION ATTENUATES MURINE NONALCOHOLIC STEATOHEPATITIS. Kyoko Tomita<sup>1</sup>, Rohit Kohli<sup>5</sup>, Petra Hirsova<sup>1</sup>, Qianqian Guo<sup>1</sup>, Luz Gutierrez Sanchez<sup>4</sup>, Harris Gelbard<sup>2</sup>, Burns Blaxall<sup>3</sup>, Samar Ibrahim<sup>4</sup>. <sup>1</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Pediatrics, University of Rochester Medical Center, Rochester, NY, USA; <sup>3</sup>Pediatrics, University of Cincinnati, Cincinnati, OH, USA; <sup>4</sup>Pediatric Gastroenterology, Mayo Clinic, Rochester, MN, USA; <sup>5</sup>Pediatrics, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA.

### Grand Watkins Prize

- 10:05 237 - IMPROVEMENT IN GGT PREDICTS EVENT-FREE SURVIVAL IN PRIMARY SCLEROSING CHOLANGITIS REGARDLESS OF URSODEOXYCHOLIC ACID TREATMENT: DATA FROM THE PEDIATRIC PSC CONSORTIUM. Mark Deneau<sup>1</sup>, Reham Abdou<sup>2</sup>, Khaled Alqoer<sup>3</sup>, Mansi Amin<sup>4</sup>, Achiya Amir<sup>5</sup>, Marcus Auth<sup>6</sup>, Fateh Bazerbachi<sup>7</sup>, Annemarie Broderick<sup>8</sup>, Matthew DiGuglielmo<sup>30</sup>, Wael El-Matary<sup>29</sup>, Mounif El-Youssef<sup>7</sup>, Federica Ferrari<sup>9</sup>, Katryn Furuya<sup>7</sup>, Madeleine Gottrand<sup>10</sup>, Frederic

Gottrand<sup>10</sup>, Nitika Gupta<sup>11</sup>, Matjaz Homan<sup>12</sup>, Kyle Jensen<sup>1</sup>, Binita Kamath<sup>13</sup>, Kyung Mo Kim<sup>14</sup>, Kaija-Leena Kolho<sup>15</sup>, Anastasia Konidari<sup>16</sup>, Bart Koot<sup>17</sup>, Raffaele Iorio<sup>18</sup>, Cara Mack<sup>19</sup>, Mercedes Martinez<sup>20</sup>, Parvathi Mohan<sup>21</sup>, Alexandra Papadopoulou<sup>22</sup>, Amanda Ricciuto<sup>13</sup>, Lawrence Saubermann<sup>23</sup>, Pushpa Sathya<sup>24</sup>, Eyal Shteyer<sup>25</sup>, Vratislav Smolka<sup>26</sup>, Atushi Tanaka<sup>27</sup>, Pamela Valentino<sup>28</sup>, Raghu Varier<sup>31</sup>, Veena Venkat<sup>32</sup>, Bernadette Vitola<sup>33</sup>, Miriam Vos<sup>11</sup>, Marek Woynarowski<sup>34</sup>. Albert Chan<sup>23</sup>, Jason Yap<sup>35</sup>, Tamir Miloh<sup>36</sup>  
<sup>1</sup>University of Utah, Salt Lake City, UT, USA; <sup>2</sup>State University of New York Buffalo, Buffalo, NY, USA; <sup>3</sup>Prince Salman North West Armed Forces Hospital, Tabuk, Saudi Arabia; <sup>4</sup>University of California San Francisco, San Francisco, CA, USA; <sup>5</sup>Tel-Aviv University, Tel Aviv, Israel; <sup>6</sup>University of Liverpool, Liverpool, United Kingdom; <sup>7</sup>Mayo Clinic, Rochester, MN, USA; <sup>8</sup>University College Dublin, Dublin, Ireland; <sup>9</sup>Sapienza University of Rome, Rome, Italy; <sup>10</sup>Lille University Hospital of Lille, Lille, France; <sup>11</sup>Emory University, Atlanta, GA, USA; <sup>12</sup>University of Ljubljana, Ljubljana, Slovenia; <sup>13</sup>University of Toronto, Toronto, ON, Canada; <sup>14</sup>University of Ulsan, Seoul, Korea (the Democratic People's Republic of); <sup>15</sup>University of Helsinki, Helsinki, Finland; <sup>16</sup>University of Manchester, Manchester, United Kingdom; <sup>17</sup>Academic Medical Centre, Amsterdam, Netherlands; <sup>18</sup>University of Naples Federico II, Naples, Italy; <sup>19</sup>University of Colorado, Aurora, CO, USA; <sup>20</sup>Columbia University, New York, NY, USA; <sup>21</sup>Children's National Medical Center, Washington, , USA; <sup>22</sup>University of Athens, Athens, Greece; <sup>23</sup>University of Rochester, Rochester, NY, USA; <sup>24</sup>Memorial University, St. John's, , Canada; <sup>25</sup>Shaare Zedek Medical Center, Jerusalem, Israel; <sup>26</sup>Palacky University, Olomouc, Czech Republic; <sup>27</sup>Teikyo University, Tokyo, Japan; <sup>28</sup>Yale University, New Haven, CT, USA; <sup>29</sup>University of Manitoba, Winnipeg, MB, Canada; <sup>30</sup>Thomas Jefferson University, Wilmington, DE, USA; <sup>31</sup>Northwest Pediatric Gastroenterology LLC, Portland, OR, USA; <sup>32</sup>University of Pittsburgh Medical Center, Pittsburgh, PA, USA; <sup>33</sup>Medical College of Wisconsin, Milwaukee, WI, USA; <sup>34</sup>Children's Memorial Health Institute, Warsaw, Poland. <sup>35</sup> University of Alberta, Edmonton, AB, Canada. (36) Texas Children's Hospital, Houston, TX, USA.

10:15 Break

Octavius Exhibit Hall

## CONCURRENT SESSION I

### Nutrition I

Friday, November 3

10:30am – 12:00pm

Milano 5 - 6

Moderators: Praveen Goday MBBS and Amber Smith MBA, RD, CD

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#### 10:30 OPTIMIZING NUTRITION IN INTESTINAL FAILURE

Justine Turner, University of Alberta

Learning objectives:

1. Review the role of human milk as optimal nutrition for intestinal failure patients
2. Consider oral and bolus feeding as the optimal delivery of enteral nutrition for intestinal failure patients
3. Discuss how modern parenteral nutrition strategies can help you achieve the above goals
4. Discuss how adjunctive medical therapies help you achieve those goals

11:00 238 - RISK FACTORS FOR HOSPITALIZATION AMONG PEDIATRIC INTESTINAL FAILURE PATIENTS. Tatyana Hofmekler, Janet Figureroa, Hilina Kassa, Rene Romero, Andi Shane. Emory University, Atlanta, GA, USA.

#### 11:12 PARENTERAL NUTRITION IN THE PEDIATRIC INTENSIVE CARE UNIT: THE GOOD, THE BAD, AND THE UGLY

Valeria Cohran MD, Ann and Robert Lurie Children's Hospital

Learning objectives:

1. Discuss the current methods including the role of indirect calorimetry to optimize nutritional support in the PICU
2. Review the optimal timing and current recommendations for PN utilization in the PICU
3. Review the risks and benefits of PN usage in the PICU

11:42 239 - EFFECT OF N-3 FISH OIL VERSUS N-6 SOYBEAN OIL PREDOMINANT PARENTERAL LIPID EMULSIONS ON HEPATIC NEUTRAL LIPID, FATTY ACID AND PHYTOSTEROL COMPOSITION IN NEONATAL PIGLETS. Daniela Isaac<sup>1</sup>, Diana Mager<sup>1,2</sup>, Celeste Lavallo<sup>1,2</sup>, Abeer Alzaben<sup>2</sup>, Vera C. Mazurak<sup>2</sup>, Jason Yap<sup>1</sup>, Pamela R. Wizzard<sup>1</sup>, Patrick N. Nation<sup>3</sup>, Consolato Sergi<sup>3</sup>, Paul W. Wales<sup>1,4,5,6</sup>, Justine Turner<sup>1,2</sup>. <sup>1</sup>Department of Pediatric Gastroenterology and Nutrition, University of Alberta, Edmonton, AB, Canada; <sup>2</sup>Department of Agricultural Food and Nutritional Science, University of Alberta, Edmonton, AB, Canada; <sup>3</sup>Department of Laboratory Medicine & Pathology, University of Alberta, Edmonton, AB, Canada; <sup>4</sup>Research Institute, Hospital for Sick Children, University of Toronto, Toronto, ON, Canada; <sup>5</sup>Division of General Surgery, Hospital for Sick Children, University of Toronto, Toronto, ON, Canada; <sup>6</sup>Group for Improvement of Intestinal Function and Treatment, Hospital for Sick Children, University of Toronto, Toronto, ON, Canada.

## CONCURRENT SESSION I

### Inflammatory Bowel Disease I

Friday, November 3

10:30am – 12:00pm

Augustus 1 - 4

Moderators: Namita Singh MD and Alka Goyal MD

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#### 10:30 WHAT IT MEANS TO BE A MEDICAL HOME FOR YOUR IBD PATIENT

Miguel Regueiro MD, University of Pittsburgh

Learning objectives:

1. To understand the patient centered medical home for inflammatory bowel disease patients
2. To describe the differences between an IBD center of excellence and medical home
3. To define the essential components for a medical home and aspects of healthcare utilization

11:00 240 - PROCOLLAGEN III N-TERMINAL PROPEPTIDE (PIIINP) AS A CIRCULATING BIOMARKER FOR ACTIVE STRICTURE DEVELOPMENT IN PEDIATRIC CROHN'S DISEASE. Cortney Ballengee<sup>1</sup>, Jarod Prince<sup>1</sup>, James Markowitz<sup>2</sup>, Neal LeLeiko<sup>3</sup>, Lee Denson<sup>4</sup>, Jeffrey Hyams<sup>5</sup>, Robert Baldassano<sup>6</sup>, Subra Kugathasan<sup>1</sup>. <sup>1</sup>Pediatrics, Emory University, Atlanta, GA, USA; <sup>2</sup>Cohen Children's Medical Center of New York, New York City, NY, USA; <sup>3</sup>Rhode Island Hospital, Providence, RI, USA; <sup>4</sup>Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>5</sup>Connecticut Children's Medical Center, Hartford, CT, USA; <sup>6</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA.

#### 11:12 SAFETY IN PEDIATRIC IBD THERAPY: IS IT TIME TO STOP USING THIOPURINES?

Jeffrey Hyams MD, Connecticut Children's Medical Center

Learning objectives:

1. Review recent data on natural history of Crohn's disease on thiopurine based therapy
2. Describe relationship of thiopurine therapy to the development of lymphoma and non-melanoma skin cancer

#### **NASPGHAN Foundation Fellow to Faculty Transition Award in IBD**

11:42 THE EFFECT OF SOCIAL STRESSORS ON INFLAMMATION IN A MURINE MODEL OF COLITIS.

Ross Maltz, Nationwide Children's Hospital, Columbus, OH, USA.

## CONCURRENT SESSION I

### Neurogastroenterology and Motility I

Friday, November 3

10:30am – 12:00pm

Milano 3

Moderators: José Cocjin MD and Jaya Punati MD

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10:30 HIGH RESOLUTION AND 3-D HIGH DEFINITION ANORECTAL MANOMETRY: THE EVALUATION OF ANORECTAL FUNCTION

Lusine Ambartsumyan MD, Seattle Children's Hospital

Learning objectives:

1. To distinguish between traditional, high resolution, and 3-D high definition anorectal manometry
2. To illustrate the utility of high resolution anorectal manometry in the evaluation of pediatric defecation disorders
3. To demonstrate the role of 3-D high definition anorectal manometry in the evaluation of neuromuscular integrity of children with anorectal malformations

11:00 241 - PEG 3350 VS LACTULOSE FOR TREATMENT OF FUNCTIONAL CONSTIPATION IN CHILDREN

AGED 6 MONTHS TO 6 YEARS. A MULTICENTER, PROSPECTIVE, RANDOMIZED STUDY. Dorota Jarzebicka<sup>1</sup>, Joanna Sieczkowska-Golub<sup>1</sup>, Jaroslaw Kierkus<sup>1</sup>, Piotr Czubkowski<sup>1</sup>, Piotr Socha<sup>1</sup>, Dariusz Lebensztejn<sup>2</sup>, Monika Kowalczyk-Kryston<sup>2</sup>, Bartosz Korczowski<sup>3</sup>, Grzegorz Oracz<sup>1</sup>. <sup>1</sup>Department of Gastroenterology, Hepatology, Feeding Disorders and Pediatrics, The Children's Memorial Health Institute, Warsaw, Poland; <sup>2</sup>Department of Pediatrics, Gastroenterology and Alergology, University Hospital in Bialystok, Bialystok, Poland; <sup>3</sup>Department of Pediatric Gastroenterology, Regional Clinical Hospital No. 2 in Rzeszow, Rzeszow, Poland.

11:12 TREATMENT OF CHILDREN WITH FUNCTIONAL DISORDERS WITH AND WITHOUT DRUGS: WHERE'S THE EVIDENCE?

Adrian Miranda MD, Medical College of Wisconsin

Learning objectives:

1. Review evidence for using psychotropic medications
2. Discuss non-pharmacological approaches to functional pain disorders
3. Discuss new and emerging therapies

11:42 242 - COMPARISON OF CLINICIAN DIAGNOSES AND QPGS-ROME IV QUESTIONNAIRE DIAGNOSES FOR PEDIATRIC FUNCTIONAL GASTROINTESTINAL DISORDERS IN CHILDREN AND ADOLESCENTS.

Russell Zwiener<sup>1</sup>, Olafur Palsson<sup>2</sup>, Samuel Nurko<sup>3</sup>, Miguel Saps<sup>4</sup>, Carlo Di Lorenzo<sup>4</sup>, Robert Shulman<sup>5</sup>, Jeffrey Hyams<sup>6</sup>, Paul Hyman<sup>1</sup>, Miranda van Tilburg<sup>2,7,8</sup>. <sup>1</sup>Pediatric Gastroenterology, LSUHSC, New Orleans, LA, USA; <sup>2</sup>Pediatric Gastroenterology, UNC Department of Medicine, Chapel Hill, NC, USA; <sup>3</sup>Pediatric Gastroenterology, Harvard - Boston Children's, Boston, MA, USA; <sup>4</sup>Pediatric Gastroenterology, Nationwide Children's, Columbus, OH, USA; <sup>5</sup>Pediatric Gastroenterology, Baylor College of Medicine - Texas Children's, Houston, TX, USA; <sup>6</sup>Pediatric Gastroenterology, Connecticut Children's, Hartford, CT, USA; <sup>7</sup>Clinical research, Campbell University, Buies Creek, NC, USA; <sup>8</sup>Social Work, University of Washington, Seattle, WA, USA.

## CONCURRENT SESSION I

### Guidelines

Friday, November 3, 2017

10:30am – 12:00pm

Augustus 5 - 6

Moderators: Ranaan Shamir MD and David Galloway MD

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- 10:30 THE NEW *H. PYLORI* GUIDELINES: BIG CHANGES THAT YOU NEED TO KNOW!  
Nicola Jones MD, PhD, Hospital for Sick Children  
Learning objectives:
1. To review the updated ESPGHAN/NASPGHAN guidelines with respect to:
  2. Who to test and treat
  3. How to test
  4. Recommended first-line and rescue treatment regimens
- 10:52 UPDATES FROM NASPGHAN/ESPGHAN GERD GUIDELINES  
Neelish Tipnis MD, The University of Mississippi Medical Center  
Learning objectives:
1. Understand the process of the guidelines
  2. Know the updates in new guidelines
  3. Learn how these updates might impact your practice
- 11:14 UPDATES FROM THE NASPGHAN/ESPGHAN CHOLESTASIS GUIDELINES  
Rima Fawaz MD, Children's Hospital Boston  
Learning objectives:
1. Understand the differential of neonates presenting with cholestasis
  2. Know the appropriate work up for rapid diagnosis
  3. Review the updates in the guideline and future directions
- 11:36 THE NEW NASPGHAN/ESPGHAN GUIDELINES FOR GASTROINTESTINAL AND NUTRITIONAL MANAGEMENT OF ESOPHAGEAL ATRESIA-TEF PATIENTS  
Christophe Faure MD, Sainte-Justine University Health Centre  
Learning objectives:
1. To discuss the need for recommendations in the management of EA-TEF patients in 2017
  2. To present the guidelines process
  3. To discuss the guidelines on:
    - Management of gastroesophageal reflux in EA-TEF patients
    - Management of anastomotic strictures
    - Long term follow-up and transition to adult care

## **CONCURRENT SESSION I**

### **Colonoscopy Skills Workshop** (Advance Registration Required)

Friday, November 3, 2017

10:30am – 12:00pm

Octavius 11

Organizers: Douglas Fishman MD, Catharine Walsh MD and Kevin Waschke MD

This is an interactive, hands-on workshop designed for practicing pediatric endoscopists wishing to improve or develop their skills in performing high quality colonoscopy procedures. Topics covered include room set-up, endoscope handling, torque steering, loop recognition and resolution, patient position change and abdominal pressure. It will include a mix of small group teaching sessions, discussion, videos and hands-on work which will be utilized during the session. This workshop will serve as the base for future planned workshops related to training/teaching endoscopy.

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### **HANDS ON ENDOSCOPY WORKSHOP** (Advance Registration Required)

Friday, November 3, 2017

12:00pm – 2:30pm

Neopolitan 1

Organizer: Marsha Kay MD



**Poster Session II**

Friday November 3, 2017

12:00pm – 2:00pm

Octavius Ballroom

Presenters at posters from 12:30pm – 1:30pm

\*Poster of Distinction

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**ENDOSCOPY/QI/EDUCATION**

- 1 243 *COLONIC LYMPHANGIOMATOSIS IN A 16 YEAR OLD.* Deepthi Sankepalli, Atiye Aktay. Pediatric Gastroenterology, University Hospitals Rainbow Babies and Children's Hospital, Beachwood, OH, USA.
- 2 244 *AN UNCOMMON DIAGNOSIS FOR A COMMON GI PRESENTATION.* Farhana Ali<sup>4</sup>, Donald Moores<sup>1</sup>, Trinh Truong<sup>2</sup>, Laura Denham<sup>3</sup>, Manoj Shah<sup>2</sup>. <sup>1</sup>Pediatric Surgery, Loma Linda University Children's Hospital, Loma Linda, CA, USA; <sup>2</sup>Pediatric Gastroenterology, Loma Linda University Children's Hospital, Loma Linda, CA, USA; <sup>3</sup>Pathology, Loma Linda University Children's Hospital, Loma Linda, CA, USA; <sup>4</sup>Pediatrics, Loma Linda University Children's Hospital, Loma Linda, CA, USA.
- 3 245 *EUS WITH FNA IN THE EVALUATION OF A PEDIATRIC PATIENT WITH A MEDIASTINAL MASS.* Frances Lee<sup>1</sup>, Kevin Shah<sup>2</sup>, Vignesh Ramachandran<sup>2</sup>, Sara Fallon<sup>3</sup>, Keisha Barton<sup>5</sup>, Sundeep Keswani<sup>3,4</sup>, John Hicks<sup>6,4</sup>, Sanjeev Vasudevan<sup>7,4</sup>, Karina Canadas<sup>7,4</sup>, Adam Vogel<sup>3,4</sup>, Bindi Naik-Mathuria<sup>3,4</sup>, Douglas Fishman<sup>5,4</sup>. <sup>1</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Pediatric Surgery, Baylor College of Medicine, Houston, TX, USA; <sup>4</sup>Texas Children's Hospital, Houston, TX, USA; <sup>5</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>6</sup>Pathology and Immunology, Baylor College of Medicine, Houston, TX, USA; <sup>7</sup>Otolaryngology, Baylor College of Medicine, Houston, TX, USA.
- 4 246 *GASTROCOLIC AND COLOCUTANEOUS FISTULAS AS A COMPLICATION OF PERCUTANEOUS ENDOSCOPIC GASTROSTOMY IN AN ADOLESCENT BOY WITH EXCESSIVE WEIGHT LOSS.* Gonca Ustundag<sup>1</sup>, Yasemin Soysal<sup>1</sup>, Ibrahim Piskin<sup>2</sup>, Duygu Tatli<sup>3</sup>, Nihal Hosgöl<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Bulent Ecevit University, Zonguldak, Turkey; <sup>2</sup>Pediatrics, Bulent Ecevit University, Zonguldak, Turkey; <sup>3</sup>Pediatric Surgery, Bulent Ecevit University, Zonguldak, Turkey.
- 5 247 *ACUTE APPENDICITIS ON ENDOSCOPY: A CASE REPORT AND REVIEW OF THE LITERATURE.* Gracielle Bahia, Walaa Elfar, Esther Prince, Thomas Rossi. Pediatric Gastroenterology & Nutrition, University of Rochester Medical Center, East Syracuse, NY, USA.
- 6 248 *THE ASSESMENT OF SOCIAL, DEMOGRAPHIC AND ENDOSCOPIC FINDINGS OF INFANTS WITH CORROSIVE AGENT INGESTION.* Günsel Kutluk<sup>1</sup>, Özben Ceylan<sup>2</sup>, Nafiye Urganci<sup>3</sup>, Feyzullah Cetinkaya<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Health Sciences Kanuni Sultan Süleyman Education and Research Hospital, Istanbul, Turkey; <sup>2</sup>Pediatrics, University of Health Sciences, Süleymaniye Education and Research Hospital, Istanbul, Turkey; <sup>3</sup>Pediatric Gastroenterology, University of Health Sciences, Hamidiye Sisli Etfal Education and Research Hospital, Istanbul, Turkey; <sup>4</sup>Pediatrics, International Hospital, Istanbul, Turkey.
- 7 249 *PEDIATRIC GASTROENTEROLOGY FELLOW'S SELF ASSESSMENT OF ENDOSCOPY SKILLS.* Heidi Hagerott<sup>1</sup>, Joel Friedlander<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, A.I. duPont Hospital for Children/Thomas Jefferson University, Wilmington, DE, USA; <sup>2</sup>Aerodigestive Program, Digestive Health Institute, Children's Hospital Colorado, University of Colorado School of Medicine, Aurora, CO, USA.
- 8 250 *AN ACTION PLAN FOR PEDIATRIC CONSTIPATION EDUCATION.* Hilary Michel<sup>1</sup>, Bridget Wagner<sup>2</sup>, Benjamin Miller<sup>3</sup>, Arvind Srinath<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Cook Children's Hospital, Fort Worth, TX, USA; <sup>3</sup>Children's Hospital of Pittsburgh, Pittsburgh, PA, USA.

- 9 251 *CLINICAL PRESENTATION OF PEDIATRIC PATIENTS REQUIRING INTERVENTIONAL ENDOSCOPY FOR UPPER GASTROINTESTINAL BLEEDING.* Hillary Bashaw, Lee Bass. Pediatric Gastroenterology, Ann & Robert H. Lurie Children's Hospital, Chicago, IL, USA.
- 10 252 *THE INCIDENCE AND NATURAL HISTORY OF POUCHITIS IN CHILDREN WITH FAMILIAL ADENOMATOUS POLYPOSIS: SINGLE CENTER EXPERIENCE.* Medhat Farwati<sup>1</sup>, Luz Gutierrez Sanchez<sup>1</sup>, Imad Absah<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology and Hepatology, Mayo clinic, Rochester, MN, USA; <sup>2</sup>Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA.
- 11 253\* *ALGORITHM TO PREDICT WHICH CHILDREN WITH CHRONIC ABDOMINAL PAIN ARE UNLIKELY TO BENEFIT FROM ENDOSCOPY.* Jacob Mark<sup>1,2</sup>, Robert Kramer<sup>1,2</sup>. <sup>1</sup>Digestive Health Institute, Children's Hospital Colorado, Denver, CO, USA; <sup>2</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, University of Colorado School of Medicine, Denver, CO, USA.
- 12 254 *A CAMERON ULCER IN A 3-YEAR-OLD BOY PRESENTING WITH PERSISTENT ANEMIA.* Jamie Mathew<sup>1,2</sup>, Inna Novak<sup>4,2</sup>, Erealda Prendaj<sup>4,2</sup>, Dominique Jan<sup>3,2</sup>, Gitit Tomer<sup>4,2</sup>. <sup>1</sup>Department of Pediatrics, Children's Hospital at Montefiore, Bronx, NY, USA; <sup>2</sup>Albert Einstein College of Medicine, Bronx, NY, USA; <sup>3</sup>Division of Pediatric Surgery, Children's Hospital at Montefiore, Bronx, NY, USA; <sup>4</sup>Division of Gastroenterology and Hepatology, Children's Hospital at Montefiore, Bronx, NY, USA.
- 13 255 *CONGENITAL ESOPHAGEAL STENOSIS.* Jessica Barry<sup>1</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>, Ellen Park<sup>2</sup>, Sophia Patel<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>Pediatric Radiology Imaging Institute, Cleveland Clinic, Cleveland, OH, USA.
- 14 256 *IMPROVED LABORATORY UTILIZATION IN IBD PATIENTS RECEIVING INFLIXIMAB INFUSION THERAPY.* Maura Downing<sup>1</sup>, Erin Bracey<sup>2</sup>, Anita Puma<sup>2</sup>, April Taylor<sup>2</sup>, Alison Marx<sup>1</sup>, Elizabeth Maxwell<sup>1</sup>, Andrew Grossman<sup>1</sup>, Jonathan Flick<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Department of Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 15 257 *MALAKOPLAKIA: A RARE CAUSE OF RECTAL BLEED IN CHILDREN.* Kamran Sadiq<sup>2,1</sup>. <sup>1</sup>Pediatrics and Child Health, Aga Khan University, Karachi, Sindh, Pakistan; <sup>2</sup>Aga Khan University, Karachi, Sindh, Pakistan.
- 16 258 *AN ESOPHAGEAL MAGNET IMPACTION IS MISSED RADIOGRAPHICALLY WITH POTENTIAL COMPLICATION OF ESOPHAGEAL-GASTRIC FISTULA.* Katherine Black, Ruba Abdelhadi. Pediatrics, Children's Mercy Hospital, Kansas City, MO, USA.
- 17 259 *A CASE OF HEREDITARY GASTRIC CANCER DETECTED INCIDENTALLY IN A 17 YEAR-OLD GIRL.* Kayla Johnson<sup>1</sup>, Faye Giangiacomo<sup>1</sup>, Nathan Tofteland<sup>2</sup>, Lana Hattar<sup>1</sup>. <sup>1</sup>Pediatrics, University of Kansas-Wichita, Wichita, KS, USA; <sup>2</sup>Internal Medicine/Pediatrics, University of Kansas- Wichita, Wichita, KS, USA.
- 18 260 *ENDOSCOPIC ULTRASOUND IN A PEDIATRIC PATIENT WITH LYNCH SYNDROME.* Kevin Shah<sup>1</sup>, Vignesh Ramachandran<sup>1</sup>, Frances Lee<sup>2</sup>, Sanjeev Vasudevan<sup>3</sup>, Rajkumar Venkatramani<sup>4</sup>, Douglas Fishman<sup>5</sup>. <sup>1</sup>Office of Undergraduate Medical Education, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Department of Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Department of Pediatric Surgery, Texas Children's Hospital, Houston, TX, USA; <sup>4</sup>Department of Pediatrics, Section of Hematology-Oncology, Texas Children's Hospital, Houston, TX, USA; <sup>5</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Texas Children's Hospital, Houston, TX, USA.
- 19 261 *FECAL IMPACTION: UNUSUAL PRESENTATION OF COLONIC ADENOCARCINOMA.* Lina Diaz Calderon<sup>1</sup>, John Lyles<sup>2</sup>, Laurie Conklin<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Children's National Medical Center, Washington, USA; <sup>2</sup>Medical Education, Children's National Medical Center, Washington, USA.

- 20 262 *IMPROVED NORMALIZATION OF PEDIATRIC CELIAC SEROLOGY WITHIN 18 MONTHS OF DIAGNOSIS.* Mary Shull<sup>1</sup>, Ivor Hill<sup>1</sup>, Tracy Ediger<sup>1</sup>, Sean Bingham<sup>1</sup>, Kevin Dolan<sup>2</sup>, Sandhya Ramachandran<sup>2</sup>, Anne Trout<sup>1</sup>, Brendan Boyle<sup>1</sup>. <sup>1</sup>GI, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>QIS, Nationwide Children's Hospital, Columbus, OH, USA.
- 21 263 *A NOVEL DERIVATIVE OF EICOSAPENTAENOIC ACID MODULATES EICOSANOID SYNTHESIS AND CONTROLS POLYP BURDEN IN A MOUSE MODEL OF FAMILIAL ADENOMATOUS POLYPOSIS.* Masako Nakanishi<sup>1</sup>, Matthew Hanley<sup>1,2</sup>, Gary Mathias<sup>2</sup>, Frank Scivolino<sup>2</sup>, Mark Hull<sup>3</sup>, Daniel Rosenberg<sup>1</sup>. <sup>1</sup>Center for Molecular Medicine, UConn Health, Farmington, CT, USA; <sup>2</sup>Thetis Pharmaceuticals, Branford, CT, USA; <sup>3</sup>St. James's University Hospital, University of Leeds, Leeds, United Kingdom.
- 22 264 *THE PYLORUS...A GALAXY FAR, FAR AWAY. GASTRIC OUTLET OBSTRUCTION CAUSED BY AN R2-D2 CHILDREN'S TOY.* Michelle Rosario<sup>1</sup>, Colleen Maier<sup>1</sup>, Alexander Wilsey<sup>2</sup>, Emily Swan<sup>2</sup>, Victoria Falconer<sup>3</sup>, Sorany Son<sup>3</sup>, Michael Wilsey<sup>4,5</sup>. <sup>1</sup>Internal Medicine-Pediatrics, USF Health, Lutz, FL, USA; <sup>2</sup>Florida State University, Tallahassee, FL, USA; <sup>3</sup>University of Florida, Gainesville, FL, USA; <sup>4</sup>Pediatrics, University of South Florida, Tampa, FL, USA; <sup>5</sup>Gastroenterology, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA.
- 23 265 *GASTRIC BEZOARS IN CHILDREN: OFTEN OVERLOOKED, NEVER UNIMPORTANT.* Monisha Shah<sup>2</sup>, J. Rhoads<sup>2,1</sup>. <sup>1</sup>Department of Gastroenterology and Nutrition, UT Health Science Center at Houston, Houston, TX, USA; <sup>2</sup>Department of Pediatrics, UT Health Science Center at Houston, Houston, TX, USA.
- 24 266 *NON-H. PYLORI GASTRIC INTESTINAL METAPLASIA IN CHILDREN.* Sandra Camacho-Gomez<sup>1</sup>, Anas Bernieh<sup>2</sup>, Ali Saad<sup>2</sup>, Neelesh Tipnis<sup>1</sup>. <sup>1</sup>Pediatrics, University of Mississippi Medical Center, Jackson, MS, USA; <sup>2</sup>Pathology, University of Mississippi Medical Center, Jackson, MS, USA.
- 25 267 *SALIVARY CORTISOL AS A BIOMARKER OF STRESS IN CHILDREN UNDERGOING UPPER OR LOWER DIGESTIVE ENDOSCOPY.* Eleyine Zarour<sup>2</sup>, Fella Chennou<sup>2</sup>, Gianpiero Teolis<sup>2</sup>, Martha Dirks<sup>1,2</sup>, Prévost Jantchou<sup>1,2</sup>. <sup>1</sup>Gastro-enterology, CHU Sainte-Justine, Montréal, QC, Canada; <sup>2</sup>CHU Sainte-Justine Research Center, Montreal, QC, Canada.
- 26 268 *FOCAL ADENOMATOUS TRANSFORMATION IN PEDIATRIC NON-SYNDROMIC JUVENILE POLYPS: AN UNDERRECOGNIZED ENTITY.* Nadia Ibrahim<sup>1</sup>, Brian Lee<sup>1</sup>, Raj Shah<sup>2</sup>, Anchal Sethi<sup>2</sup>, Ruba abdelhadi<sup>1</sup>, Seth Septer<sup>3</sup>, Thomas Attard<sup>1</sup>. <sup>1</sup>Health Services and Outcomes Research, Children's Mercy Hospital/University of Missouri Kansas City, Kansas City, MO, USA; <sup>2</sup>University of Missouri Kansas City, Kansas City, MO, USA; <sup>3</sup>Gastroenterology, Children's Hospital Colorado, Denver, CO, USA.

### **EoE/GERD/AERODIGESTIVE**

- 27 269 *EOSINOPHILIC ESOPHAGITIS AND THE POTENTIAL FOR MALIGNANCY: A SYSTEMATIC REVIEW OF ATOPIC DISORDERS, ALLERGIC INFLAMMATION AND EOE.* Amanda Muir<sup>1</sup>, Kelly Whelan<sup>2</sup>, Michael Dougherty<sup>3</sup>, Evan Dellon<sup>3</sup>, Elizabeth Jensen<sup>4</sup>. <sup>1</sup>Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Gastroenterology, University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>Gastroenterology, University of North Carolina, Chapel Hill, NC, USA; <sup>4</sup>Wake Forest, Winston-Salem, NC, USA.
- 28 270 *THE CLINICAL FEEDING EVALUATION HAS POOR RELIABILITY IN THE ASSESSMENT OF PEDIATRIC SWALLOW FUNCTION AND CAUSES DELAYS IN THE DIAGNOSIS OF ASPIRATION.* Daniel Duncan, Kara Larson, Lisa Hester, Maireade McSweeney, Rachel Rosen. Gastroenterology, Boston Children's Hospital, Boston, MA, USA.
- 29 271 *IMPEDANCE PH MONITORING IN CHILDREN WITH GASTROESOPHAGEAL REFLUX AND RESPIRATORY SYMPTOMS.* Erick Toro Monjaraz, Laura Flores-Fong, Flora Zarate Mondragon, Roberto Cervantes-Bustamante, Jaime Ramirez-Mayans. Gastroenterology, Instituto Nacional de Pediatría, Mexico, Mexico.
- 30 272 *PREVALENCE OF ESOPHAGITIS IN CHILDREN AND ADOLESCENTS BEFORE AND AFTER THE ERA OF PRE-ENDOSCOPY PROTON PUMP INHIBITOR USE.* Francis Kim<sup>1</sup>, Yuanxin Liang<sup>2</sup>, Daniel Rust<sup>2</sup>, Zella Garrett<sup>3</sup>. <sup>1</sup>Pediatrics, Tufts Floating Hospital for Children at Tufts Medical Center, Boston, MA, USA; <sup>2</sup>Pathology,

Tufts Medical Center, Boston, MA, USA; <sup>3</sup>Pediatric Gastroenterology and Nutrition, Tufts Floating Hospital for Children at Tufts Medical Center, Boston, MA, USA.

- 31 273 *PEDIATRIC EOSINOPHILIC ESOPHAGITIS IS NOT A RARE DISEASE IN UTAH.* Jacob Robson<sup>1</sup>, Rafael Firszt<sup>2</sup>, Amber McClain<sup>1</sup>, Krishna Mutyala<sup>1</sup>, Raza Patel<sup>1</sup>, Cassandra Davis<sup>2</sup>, Carlos Barbagelata<sup>1</sup>, Kathryn Peterson<sup>3</sup>, Molly O'Gorman<sup>1</sup>, Stephen Guthery<sup>1</sup>. <sup>1</sup>Pediatrics, Gastroenterology, University of Utah / Primary Children's Hospital, Salt Lake City, UT, USA; <sup>2</sup>Pediatrics, Allergy, University of Utah / Primary Children's Hospital, Salt Lake City, UT, USA; <sup>3</sup>Internal Medicine, Gastroenterology, University of Utah, Salt Lake City, UT, USA.
- 32 274 *PROVIDER FOCUSED RANDOMIZED CLINICAL TRIAL TO IMPROVE DIAGNOSIS AND MANAGEMENT OF INFANT REGURGITATION AND GASTROESOPHAGEAL REFLUX DISEASE.* James Franciosi<sup>1,2</sup>, James Crutchfield<sup>3</sup>, Lloyd Werk<sup>4</sup>, Lori Handy<sup>5</sup>, MariaCarmen Diaz<sup>6</sup>, Jobayer Hossain<sup>7</sup>, Tim Wysocki<sup>8</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Nemours Children's Hospital, Orlando, FL, USA; <sup>2</sup>Pediatrics, University of Central Florida College of Medicine, Orlando, FL, USA; <sup>3</sup>Lockheed Martin Mission Systems and Training, Orlando, FL, USA; <sup>4</sup>Division of General Pediatrics, Nemours Children's Hospital, Orlando, FL, USA; <sup>5</sup>Division of Infectious Diseases, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE, USA; <sup>6</sup>Division of Emergency Medicine, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE, USA; <sup>7</sup>Center for Healthcare Delivery Science, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE, USA; <sup>8</sup>Center for Healthcare Delivery Science, Nemours Children's Health System, Jacksonville, FL, USA.
- 33 275 *PEDIATRIC EOSINOPHILIC ESOPHAGITIS: IN OFFICE AND UNDER THE MICROSCOPE.* Jennifer Hong<sup>1</sup>, Elaine Puppa<sup>2</sup>, Nidhi Rawal<sup>2</sup>. <sup>1</sup>Pediatrics, University of Maryland Medical Center, Baltimore, MD, USA; <sup>2</sup>Pediatric Gastroenterology, University of Maryland Children's Hospital, Baltimore, MD, USA.
- 34 276 *VITAMIN D RECEPTOR AS A REGULATOR OF EOSINOPHIL ACTIVATION IN EOE.* Jennifer Lee<sup>1</sup>, Kim LeMessurier<sup>3,4</sup>, Cary Cavender<sup>1</sup>, Jay Lieberman<sup>2</sup>, Amali Samarasinghe<sup>3,4</sup>. <sup>1</sup>Department of Pediatrics, Division of Gastroenterology, University of Tennessee Health Science Center, Memphis, TN, USA; <sup>2</sup>Department of Pediatrics, Division of Allergy and Immunology, University of Tennessee Health Science Center, Memphis, TN, USA; <sup>3</sup>Department of Pediatrics, Division of Pulmonology, University of Tennessee Health Science Center, Memphis, TN, USA; <sup>4</sup>Children's Foundation Research Institute, Memphis, TN, USA.
- 35 277 *INDIVIDUALIZED DIET THERAPY BASED ON FOOD CHALLENGES IN CHILDREN AND ADOLESCENTS WITH EOSINOPHILIC ESOPHAGITIS.* Jonathan Markowitz<sup>1</sup>, Zegilor Laney<sup>2</sup>, Chris Wilson<sup>3</sup>, Amy Hayes<sup>4</sup>, Janet Williams<sup>1</sup>, Steven Clayton<sup>5</sup>. <sup>1</sup>Pediatric Gastroenterology, Greenville Children's Hospital, Greenville, SC, USA; <sup>2</sup>University of South Carolina School of Medicine-Greenville, Greenville, SC, USA; <sup>3</sup>Research, Clemson University, Clemson, SC, USA; <sup>4</sup>Pediatric Research, Greenville Health System, Greenville, SC, USA; <sup>5</sup>Gastroenterology, Greenville Health System, Greenville, SC, USA.
- 36 278 *CLINICAL ASPECTS OF DIETARY THERAPY IN CHILDREN WITH EOSINOPHILIC ESOPHAGITIS.* Jonathan Wong, Susan Goodine, Zhu Wang, Wael Sayej. Pediatrics, University of Connecticut, Harford, CT, USA.
- 37 279 *SOCIOECONOMIC FACTORS PREDICT TREATMENT CHOICE IN EOSINOPHILIC ESOPHAGITIS.* Panamdeep Kaur<sup>3</sup>, Amir Kagalwalla<sup>1,3</sup>, Joshua Wechsler<sup>1,2</sup>. <sup>1</sup>Pediatrics, Division of Gastroenterology, Hepatology & Nutrition, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>2</sup>Medicine, Division of Allergy & Immunology, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>3</sup>Pediatrics, John H Stroger Hospital of Cook County, Chicago, IL, USA.
- 38 280 *DO SYMPTOMS RELIABLY IDENTIFY ESOPHAGEAL STRICTURE IN PATIENTS WITH ESOPHAGEAL ATRESIA?* Julie Khlevner<sup>1</sup>, Charlotte Hawks<sup>2</sup>, William Middlesworth<sup>3</sup>. <sup>1</sup>Department of 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>Department of Surgery, Columbia University Medical Center, New York, NY, USA.
- 39 281 *A PEDIATRIC PATIENT WITH SEVERE REFRACTORY EOSINOPHILIC ESOPHAGITIS AND ATOPIC DERMATITIS FOUND TO HAVE HETEROZYOTE BARRIER MUTATIONS IN FILAGGRIN AND KALLIKREIN-RELATED PEPTIDASE 7.* Julie Osborn<sup>1</sup>, Cindy Bauer<sup>2</sup>, Shauna Schroeder<sup>3</sup>, Judy O'Haver<sup>4</sup>. <sup>1</sup>Graduate Medical Education, Phoenix

Children's Hospital, Phoenix, AZ, USA; <sup>2</sup>Allergy & Immunology, Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>3</sup>Gastroenterology, Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>4</sup>Dermatology, Phoenix Children's Hospital, Phoenix, AZ, USA.

- 40 282 *BURIED BUMPER SYNDROME (BBS): RARE COMPLICATION AFTER ACCIDENTAL TRACTION OF PEG TUBE.* Kalyan Ray Parashette. Pediatrics, University of New Mexico Children's Hospital, Albuquerque, NM, USA.
- 41 283 *SIZE AND PREVALENCE OF PEDIATRIC AERODIGESTIVE PROGRAMS IN 2017.* Lindsey Gumer<sup>1</sup>, Rachel Rosen<sup>2</sup>, Benjamin Gold<sup>3</sup>, Eric Chiou<sup>4</sup>, Melanie Greifer<sup>5</sup>, Sherri Cohen<sup>6</sup>, Joel Friedlander<sup>1</sup>. <sup>1</sup>Digestive Health Diseases, Children's Hospital of Colorado, Denver, CO, USA; <sup>2</sup>Pediatric Gastroenterology, Boston Children's, Boston, MA, USA; <sup>3</sup>Gastroenterology, Children's Center for Digestive Healthcare, LLC, Atlanta, GA, USA; <sup>4</sup>Gastroenterology, Texas Children's Hospital, Houston, TX, USA; <sup>5</sup>Pediatric Gastroenterology, NYU Langone, New York, NY, USA; <sup>6</sup>Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 42 284 *AN IMPROVEMENT IN QUALITY OF CARE FOR PATIENTS SEEN IN A MULTIDISCIPLINARY AERODIGESTIVE PROGRAM.* Neerav Dharia<sup>1</sup>, Kara May<sup>2</sup>, Thomas Martin<sup>2</sup>, Eitan Rubinstein<sup>1</sup>, Kara Larson<sup>1</sup>, Lisa Hester<sup>1</sup>, Rachel Rosen<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Pulmonology, Boston Children's Hospital, Boston, MA, USA.
- 43 285 *EMSY IS INCREASED IN CHILDREN WITH EOE AND ACTIVATES TSLP EXPRESSION.* Lisa Fahey<sup>1,2</sup>, Ryan Guzek<sup>3</sup>, Melanie Ruffner<sup>3</sup>, Kathleen Sullivan<sup>3</sup>, Jonathan Spergel<sup>3</sup>, Antonella Cianferoni<sup>3</sup>. <sup>1</sup>Gastroenterology, Hepatology, and Nutrition, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Department of Pediatrics, The Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>Division of Allergy and Immunology, The Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 44 286 *QUALITY OF LIFE IN CHILDREN WITH TYPICAL AND ATYPICAL SYMPTOMS OF GASTROESOPHAGEAL REFLUX.* Lisa Mahoney, Rachel Rosen. GI/Nutrition, Boston Children's Hospital, Boston, MA, USA.
- 45 287 *OUTCOMES OF INFANTS WITH SEVERE MILK-SOY PROTEIN INTOLERANCE TREATED WITH MESALAMINE FOR PERSISTENT SYMPTOMS DESPITE AMINO ACID BASED FORMULA FEEDING.* MARIA ROJAS GALLEGOS, Karen Crissinger. Pediatrics, University of South Alabama, Mobile, AL, USA.
- 46 288\* *COMPARING COMBINATION THERAPY WITH PROTON PUMP INHIBITORS AND TOPICAL STEROID VERSUS TOPICAL STEROID ALONE FOR THE TREATMENT OF EOSINOPHILIC ESOPHAGITIS.* Matthew Heisel<sup>1,2</sup>, Judy-April Oparaji<sup>1,3</sup>, Thomas Baker<sup>4</sup>, Fouad Moawad<sup>5</sup>, Steve Min<sup>1</sup>. <sup>1</sup>Department of Pediatrics, Walter Reed National Military Medical Center, Bethesda, MD, USA; <sup>2</sup>Pediatric Gastroenterology Fellowship Program, National Capital Consortium, Bethesda, MD, USA; <sup>3</sup>Pediatric Residency, National Capital Consortium, Bethesda, MD, USA; <sup>4</sup>The Joint Pathology Center, Defense Health Agency, Silver Spring, MD, USA; <sup>5</sup>Department of Medicine, Walter Reed National Military Medical Center, Bethesda, MD, USA.
- 47 289 *EXOCRINE PANCREATIC INSUFFICIENCY IN CHILDREN WITH EOSINOPHILIC ESOPHAGITIS: A CASE SERIES.* Patricia Subnaik<sup>1</sup>, Khaled Bittar<sup>1</sup>, Santiago Martinez<sup>2</sup>, Yamen Smadi<sup>1</sup>. <sup>1</sup>Pediatrics, Arnold Palmer Hospital for Children, University of Florida at Orlando Health, Orlando, FL, USA; <sup>2</sup>Mid Florida Dermatology and Plastic surgery, Florida State University, Orlando, FL, USA.

#### FUNCTIONAL/MOTILITY

- 48 290 *GROUP TREATMENT OF FECAL INCONTINENCE: A DESCRIPTION OF AN INTERDISCIPLINARY INTERVENTION.* Kelsey Gonring<sup>3</sup>, Bridget Dolan<sup>2,3</sup>, Theresa Kapke<sup>2,3</sup>, Andrea Begotka<sup>3,1</sup>, Manu Sood<sup>1</sup>, Alan Silverman<sup>1</sup>. <sup>1</sup>Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>2</sup>Department of Clinical Psychology, Marquette University, Milwaukee, WI, USA; <sup>3</sup>Children's Hospital of Wisconsin, Milwaukee, WI, USA.
- 49 291 *PERCUTANEOUS ELECTRICAL NERVE FIELD STIMULATION (PENFS) INCREASES VAGAL TONE IN ADOLESCENTS WITH FUNCTIONAL ABDOMINAL PAIN DISORDERS.* Katja Kovacic<sup>1</sup>, Adrian Miranda<sup>1</sup>, Thomas Chelimsky<sup>2</sup>, Liyun Zhang<sup>1</sup>, Pippa Simpson<sup>1</sup>, Gisela Chelimsky<sup>1</sup>. <sup>1</sup>Department of Pediatrics, Medical

College of Wisconsin, Brookfield, WI, USA; <sup>2</sup>Department of Neurology, Medical College of Wisconsin, Milwaukee, WI, USA.

- 50 292 *USE OF MULTIDIMENSIONAL CLINICAL PROFILES (MDCP) TO CHARACTERIZE PEDIATRIC PATIENTS WITH PAIN-PREDOMINANT FUNCTIONAL GASTROINTESTINAL DISORDERS (FGID).* Beate Beinvogl<sup>1</sup>, Elizabeth Burch<sup>1</sup>, Julie Snyder Christiana<sup>1</sup>, Neil Schechter<sup>2</sup>, Fiona Paul<sup>1</sup>, Karen warman<sup>1</sup>, Yoshiko Okazaki<sup>1</sup>, Amelia Sparrow<sup>1</sup>, Samuel Nurko<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Anesthesiology, Perioperative and Pain Medicine, Boston Children's Hospital, Boston, MA, USA.
- 51 293 *FUNCTIONAL GASTROINTESTINAL DISORDERS IN INFANTS AND TODDLERS: PRIVATE CONSULTATION VERSUS HEALTHY CHILD CONSULTATION.* Carlos Velasco-Benitez<sup>1</sup>, Eder Villamarin<sup>1</sup>, Jose Gomez<sup>2,3</sup>. <sup>1</sup>Pediatrics, Universidad del Valle, Cali, Colombia; <sup>2</sup>Universidad Libre, Cali, Comoros; <sup>3</sup>Pontificia Universidad Javeriana, Cali, Colombia.
- 52 294 *A MUTATION IN SMOOTH MUSCLE MYOSIN MYH11 CAUSES DOMINANTLY-INHERITED VISCERAL MYOPATHY AND DYSMOTILITY WITH SEVERE ESOPHAGEAL DISEASE, HIATAL HERNIA AND GASTROPARESIS.* David Piccoli<sup>1,3</sup>, Melissa Gilbert<sup>2,4</sup>, Nancy Spinner<sup>2,4</sup>, Kristin Fiorino<sup>1,3</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Division of Genomics, CHOP, Philadelphia, PA, USA; <sup>3</sup>Pediatrics, University of Pennsylvania School of Medicine, Philadelphia, PA, USA; <sup>4</sup>Pathology, University of Pennsylvania School of Medicine, Philadelphia, PA, USA.
- 53 295 *PAIN-PREDOMINANT FUNCTIONAL GI DISORDERS: IDENTIFYING VULNERABILITIES AND TRIGGERS IN PEDIATRIC PATIENTS PRESENTING IN A MULTIDISCIPLINARY FUNCTIONAL ABDOMINAL PAIN PROGRAM.* Elizabeth Burch<sup>1</sup>, Julie Snyder Christiana<sup>1</sup>, Neil Schechter<sup>2</sup>, Beate Beinvogl<sup>1</sup>, Fiona Paul<sup>1</sup>, Amelia Sparrow<sup>1</sup>, Amy Hale<sup>1</sup>, Samuel Nurko<sup>1</sup>. <sup>1</sup>Gastroneterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Anesthesia, Boston Children's Hospital, Boston, MA, USA.
- 54 296 *ESOPHAGOGASTRIC JUNCTION OUTFLOW OBSTRUCTION IN A PATIENT WITH EHLERS-DANLOS SYNDROME AFTER NISSEN FUNDOPLICATION.* Vignesh Ramachandran<sup>1</sup>, Kevin Shah<sup>1</sup>, Frances Lee<sup>2</sup>, Douglas Fishman<sup>2,3</sup>, Gopal Gopalakrishna<sup>2,3</sup>, Mark Mazziotti<sup>4</sup>, Eric Chiou<sup>2,3</sup>. <sup>1</sup>Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Pediatrics, Baylor College of Medicine, Bellaire, TX, USA; <sup>3</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Texas Children's Hospital, Houston, TX, USA; <sup>4</sup>Surgery, Baylor College of Medicine, Houston, TX, USA.
- 55 297 *HYPERTENSIVE ESOPHAGEAL PERISTALSIS - NUTCRACKER, JACKHAMMER, OR DOESN'T MATTER?* John Rosen, Jose Cocjin. Gastroenterology, Children's Mercy Hospital, Kansas City, MO, USA.
- 56 298 *FAMILY HISTORY OF PAIN IS THE MOST IMPORTANT PREDICTOR OF DISABILITY IN PEDIATRIC PATIENTS DIAGNOSED WITH FUNCTIONAL GASTROINTESTINAL DISORDERS.* Julie Snyder Christiana<sup>1</sup>, Elizabeth Burch<sup>1</sup>, Neil Schechter<sup>2</sup>, Beate Beinvogl<sup>1</sup>, Fiona Paul<sup>1</sup>, Amelia Sparrow<sup>1</sup>, Amy Hale<sup>1</sup>, Samuel Nurko<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Anesthesia, Boston Children's Hospital, Boston, MA, USA.
- 57 299 *IDENTIFICATION OF EDUCATIONAL GAPS AMONG GASTROENTEROLOGISTS RELATED TO PEDIATRIC CONSTIPATION.* Justin Barnes<sup>1</sup>, Brandon Coleman<sup>1</sup>, Sharon Hwang<sup>1</sup>, Aleksandra Stolic<sup>2</sup>, Samuel Nurko<sup>3</sup>, Athos Bousvaros<sup>3</sup>, Greg Salinas<sup>1</sup>. <sup>1</sup>CE Outcomes, LLC, Birmingham, AL, USA; <sup>2</sup>Independent Medical Education & External Affairs, Takeda Pharmaceuticals U.S.A, Inc., Deerfield, IL, USA; <sup>3</sup>Boston Children's Hospital, Boston, MA, USA.
- 58 300 *SMALL GUT VOLVULUS IN AN ADOLESCENT.* Kanya Ahuja<sup>1,2</sup>, Eva Mok<sup>1</sup>, Gopinathan Nambiar<sup>1</sup>. <sup>1</sup>Pediatrics, The Brooklyn Hospital Center, Brooklyn, NY, USA; <sup>2</sup>Pediatrics, NYU Langone Medical Center, New York, NY,
- 59 301 *TREATMENT RESISTANT FUNCTIONAL CONSTIPATION MAY BENEFIT FROM ADDITION OF SSRI.* Katherine Lamparyk<sup>1</sup>, Lori Mahajan<sup>2</sup>, Lisa Feinberg<sup>2</sup>. <sup>1</sup>Pediatric Behavioral Health, Cleveland Clinic Children's,

Cleveland, OH, USA; <sup>2</sup>Pediatric Gastroenterology, Cleveland Clinic Children's, Cleveland, OH, USA.

- 60 302 *A CASE OF SUPERIOR MESENTERIC ARTERY SYNDROME RESULTING IN MASSIVE GASTRIC DILATION, PNEUMATOSIS, AND NECROSIS FOLLOWING CONGENITAL SCOLIOSIS SURGERY.* Kathleen Moyer, Judy Splawski. Pediatric Gastroenterology, Hepatology, and Nutrition, UH Rainbow Babies & Children's Hospital, Cleveland, OH, USA.
- 61 303 *FUNDOPLICATION IN ESOPHAGEAL ATRESIA: DOES IT MAKE A DIFFERENCE?* Denise Brito<sup>1</sup>, Gabriela Gomez<sup>1</sup>, Justin Wheeler<sup>2</sup>, Khalil El-Chammas<sup>2</sup>, Ajay Kaul<sup>2</sup>. <sup>1</sup>Pediatrics, Faculdade de Ciências Médicas, Campinas, São Paulo, Brazil; <sup>2</sup>Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 62 304 *PELVIC FLOOR BIOFEEDBACK THERAPY IN THE TREATMENT OF FUNCTIONAL CONSTIPATION AND FECAL INCONTINENCE IN CHILDREN WITH AND WITHOUT PELVIC FLOOR DYSSYNERGIA: A CASE SERIES.* Kim Osborne, Desale Yacob, Peter Lu, Roberta Chaney, Miguel Saps, Carlo Di Lorenzo, Karla Vaz. Pediatric Gastroenterology, Nationwide Children's Hospital, NEW ALBANY, OH, USA.
- 63 305 *DE NOVO ACTG2 GENE MUTATION IN A PATIENT WITH MEGACYSTIS MICROCOLON INTESTINAL HYPOPERISTALSIS.* Koichi Ito<sup>1</sup>, Tokio Sugiura<sup>1,2</sup>, Shogo Ito<sup>1</sup>, Takeshi Endo<sup>1</sup>, Takao Togawa<sup>1</sup>, Shinji Saitoh<sup>1</sup>. <sup>1</sup>Pediatrics, Nagoya City University, Nagoya, Aichi, Japan; <sup>2</sup>Gamagori municipal hospital, Gamagori, Japan.
- 64 306 *IMPROVING CONSTIPATION CARE: A UNIQUE PEDIATRIC GASTROENTEROLOGY-PRIMARY CARE CHILDHOOD CONSTIPATION COLLABRATIVE FOR DEVELOPMENT OF A CONSTIPATION TOOL KIT TO ENHANCE DETECTION AND STANDARDIZE MANAGEMENT OF CONSTIPATION IN CHILDREN IN THE AMBULATORY PEDIATRIC DEPARTMENT OF AN INNER-CITY HOSPITAL.* Reema Gulati<sup>2</sup>, Krupa Gowri Hospattankar<sup>1</sup>, Dennis Super<sup>3</sup>, Robert Needlman<sup>1</sup>. <sup>1</sup>Pediatrics, Metrohealth Medical Center -Case Western Reserve University, Cleveland, OH, USA; <sup>2</sup>Pediatric Gastroenterology, Metrohealth Medical Center- Case Western Reserve University, Cleveland, OH, USA; <sup>3</sup>Pediatric Critical Care Medicine, Metrohealth Medical Center- Case Western Reserve University, Cleveland, OH, USA.
- 65 307 *PREDICTORS OF SYMPTOM RELIEF FOR BILIARY DYSKINESIA BY CHOLECYSTECTOMY.* Laura Irastorza<sup>1,2</sup>, Jonathan Brock<sup>1,2</sup>, Juan Camps<sup>1,2</sup>, Rathna Amarnath<sup>1,2</sup>. <sup>1</sup>Pediatrics, Palmetto Health Richland, Columbia, SC, USA; <sup>2</sup>USC School of Medicine, Columbia, SC, USA.
- 66 308 *GASTROPARESIS IN ADOLESCENTS WITH TREATED CELIAC DISEASE IMPROVES WITH STW-5 (IBEROGAST).* Laurence Feinstein<sup>1</sup>, Nevil Kadakia<sup>2</sup>, Amy Defelice<sup>1</sup>, Norelle Reilly<sup>1</sup>, Julie Khlevner<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Columbia University, New York, NY, USA; <sup>2</sup>Pediatrics, Columbia University, New York, NY, USA.
- 67 309 *GASTROJEJUNOSTOMY TUBES IN CHILDREN WITH MOTILITY DISORDERS: OUTCOMES AND COMPLICATIONS.* Lissette Jimenez<sup>1</sup>, Kitzia Colliard<sup>2</sup>, Maria Saravia<sup>2</sup>, Leonel Rodriguez<sup>1,2</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Motility and Gastrointestinal Disorders Center, Boston Children's Hospital, Boston, MA, USA.
- 68 310 *ALTERED ESOPHAGEAL COMPLIANCE IS SUPERIOR TO DISTENSIBILITY IN QUANTIFYING ESOPHAGEAL HISTOLOGIC REMODELING IN PEDIATRIC PATIENTS WITH EOSINOPHILIC ESOPHAGITIS.* Maheen Hassan<sup>1</sup>, Seema Aceves<sup>2</sup>, Ranjan Dohil<sup>1</sup>, Robert Newbury<sup>3</sup>, James Proudfoot<sup>4</sup>, Hayat Mousa<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UC San Diego/Rady Children's Hospital, San Diego, CA, USA; <sup>2</sup>Allergy and Immunology, UC San Diego/Rady Children's Hospital, San Diego, CA, USA; <sup>3</sup>Pathology, UC San Diego, San Diego, CA, USA; <sup>4</sup>Clinical and Translational Research Institute, UC San Diego, San Diego, CA, USA.
- 69 311 *PREVALENCE OF CELIAC DISEASE AND HYPOTHYROIDISM IN PEDIATRIC PATIENTS PRESENTING WITH CONSTIPATION TO A TERTIARY PEDIATRIC ACADEMIC CENTER.* Maireade McSweeney, Beate Beinvoogl, Jessica Kerr, Samuel Nurko. Gastroenterology & Nutrition, Boston Children's Hospital, Boston, MA, USA.

- 70 312 *ASSESSING CHILDREN'S REPORT OF STOOL CONSISTENCY: THE AGREEMENT BETWEEN THE PEDIATRIC ROME III QUESTIONNAIRE AND THE BRISTOL STOOL SCALE.* Mana Vriesman<sup>1,2</sup>, Carlos Velasco-Benitez<sup>3</sup>, Carmen Ramirez<sup>4</sup>, Marc Benninga<sup>1</sup>, Carlo Di Lorenzo<sup>2</sup>, Miguel Saps<sup>2</sup>. <sup>1</sup>Gastroenterology and Nutrition, Emma Children's Hospital / Academic Medical Center, Amsterdam, Netherlands; <sup>2</sup>Division of Gastroenterology, Hepatology and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA; <sup>3</sup>Department of Pediatrics, Universidad del Valle, Cali, Colombia; <sup>4</sup>Hospital Regional Maria Inmaculada, Florence, Colombia.
- 71 313 *ACQUIRED MYOPATHIC INTESTINAL PSEUDO-OBSTRUCTION DUE TO AUTOIMUNE ENTERIC LEIOMYOSITIS IN A PREVIOUSLY HEALTHY 10-YEAR-OLD MALE.* Yanna Mattos<sup>1</sup>, Marina Bettiol Nogueira<sup>1</sup>, Heinrich Bender Kohnert Seidler<sup>2</sup>. <sup>1</sup>Gastroenterology, Hospital da Criança de Brasília, Brasília, Brazil; <sup>2</sup>Pathology, Hospital de Base do Distrito Federal, Brasília, Brazil.
- 72 314 *HOW WE STOPPED ADMITTING CHILDREN FOR BOWEL CLEANOUTS.* Mark Deneau<sup>1</sup>, Krishna Mutyala<sup>1</sup>, Linda Book<sup>1</sup>, Anna Ermarth<sup>1</sup>, Stephen Guthery<sup>1</sup>, Janet Harnsberger<sup>1</sup>, Catalina Jaramillo<sup>1</sup>, Daniel Jackson<sup>1</sup>, Kyle Jensen<sup>1</sup>, Marianne Kavan<sup>1</sup>, Amber McClain<sup>1</sup>, Molly OGorman<sup>1</sup>, Raza Patel<sup>1</sup>, John Pohl<sup>1</sup>, Jacob Robson<sup>1</sup>, David Sandweiss<sup>1</sup>, Thomas Sutton<sup>1</sup>, Raghu Varier<sup>2</sup>, Christopher Maloney<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Utah, Salt Lake City, UT, USA; <sup>2</sup>Northwest Pediatric Gastroenterology LLC, Portland, OR, USA.
- 73 315 *CONSTIPATION IN TODDLERS: THE UNTOLD STORY.* Mark Fishbein<sup>1,2</sup>, Kathryn Benton<sup>4</sup>, Maria Manuel-Rubio<sup>2</sup>, Rychlik Karen<sup>2</sup>, Miguel Saps<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, northwestern university, Chicago, IL, USA; <sup>2</sup>Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>3</sup>Pediatric Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA; <sup>4</sup>Pediatric Psychology, Northwestern Medicine Cadence Health, Winfield, IL, USA.
- 74 316 *OSTEOPATHIC FINDINGS AND TREATMENT IN CHILDREN WITH ABDOMINAL PAIN: A PILOT STUDY.* Maryam Shambayati, Issam Halabi. Pediatric Gastroenterology, University of Oklahoma HSC, Oklahoma City, OK, USA.

#### INFLAMMATORY BOWEL DISEASE

- 75 317 *MODIFIED SPECIFIC CARBOHYDRATE DIET IN COMBINATION WITH UZTEKINUMAB TO TREAT A CASE OF SEVERE CROHN'S DISEASE AFTER FAILURE OF CONVENTIONAL THERAPY.* Claire Jaramishian, Kristen Coleman, Clifton Huang. Pediatric Gastroenterology, Valley Children's Hospital, Madera, CA, USA.
- 76 318 *TAKAYASU'S ARTERITIS IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE.* Corey Scherer, Anthony Porto, Dinesh Pashankar. Pediatric Gastroenterology and Hepatology, Yale, New Haven, CT, USA.
- 77 319 *CROHN'S DISEASE AND NEPHROTIC SYNDROME: AN ATYPICAL CAUSE FOR HYPOALBUMINEMIA.* Swati Antala<sup>2</sup>, Danya Rosen<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Yale University, New Haven, CT, USA; <sup>2</sup>Pediatrics, Yale University, New Haven, CT, USA.
- 78 320 *WHY AND HOW ADOLESCENTS AND YOUNG ADULTS WITH INFLAMMATORY BOWEL DISEASE USE CANNABIS.* Edward Hoffenberg<sup>1,2</sup>, Brittany Murphy<sup>2</sup>, Susan Mikulich-Gilbertson<sup>3</sup>, Shannon McWilliams<sup>3</sup>, Analice Hoffenberg<sup>4</sup>, Christian Hopfer<sup>3</sup>. <sup>1</sup>Pediatrics, University of Colorado Denver, Aurora, CO, USA; <sup>2</sup>Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>3</sup>Psychiatry, University of Colorado Denver School of Medicine, Aurora, CO, USA; <sup>4</sup>Preventive Medicine, University of Colorado Denver School of Medicine, Aurora, CO, USA.
- 79 321 *LACK OF MUCOSAL HEALING FROM MODIFIED SPECIFIC CARBOHYDRATE DIET IN PEDIATRIC PATIENTS WITH CROHN'S DISEASE.* Ghassan Wahbeh, Teresa Wachs, Dale Lee, Matthew Giefer, David Suskind. Seattle Children's, University of Washington, Seattle, WA, USA.

- 80 322 *VEDOLIZUMAB IS ASSOCIATED WITH DEEP REMISSION IN PEDIATRIC IBD PATIENTS.* Bridget Dowd, Jacqueline Jossen, Marla Dubinsky. Pediatrics, Mount Sinai Icahn School of Medicine, New York, NY, USA.
- 81 323 *TAILORING ACCELERATED INFLIXIMAB INDUCTION TO REDUCE THE NEED FOR EARLY COLECTOMY IN A PATIENT WITH ACUTE SEVERE ULCERATIVE COLITIS.* Jacqueline Larson<sup>1</sup>, Celine Forges-Voigt<sup>1</sup>, Amanda Fifi<sup>2,1</sup>, Edgardo Rivera-Rivera<sup>2,1</sup>, Amber Langshaw<sup>2,1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Jackson Memorial Hospital, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, University of Miami, Miami, FL, USA.
- 82 324 *VITAMIN D STATUS IN INFLAMMATORY BOWEL DISEASE PATIENTS FOLLOWED AT STEAD FAMILY CHILDREN HOSPITAL, UNIVERSITY OF IOWA.* Jamal Kriem. Pediatrics, University of Iowa, Iowa City, IA, USA.
- 83 325 *SIX MONTH ORAL MEDICATION ADHERENCE EARLY IN DISEASE COURSE AS A PREDICTOR OF INFLAMMATORY BOWEL DISEASE-SPECIFIC OUTCOMES OVER TIME.* Marisa Millenson<sup>2</sup>, Jason Shapiro<sup>1</sup>, David Barker<sup>4</sup>, Meaghan Mallette<sup>5</sup>, Heather Moniz<sup>5</sup>, Katey Amaral<sup>5</sup>, Renee Bright<sup>5</sup>, Sheryl Kopel<sup>4</sup>, Sarah Hagin<sup>4</sup>, Elizabeth McQuaid<sup>4</sup>, Ron Seifer<sup>4</sup>, Christopher Schmid<sup>2</sup>, Samir Shah<sup>5,6</sup>, Bruce Sands<sup>3</sup>, Debra Lobato<sup>4</sup>, Neal LeLeiko<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Nutrition and Liver Diseases, Hasbro Children's Hospital/Warren Alpert Medical School of Brown University, Providence, RI, USA; <sup>2</sup>Biostatistics, Brown University, Providence, RI, USA; <sup>3</sup>Gastroenterology, Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>4</sup>Child Psychology, Hasbro Children's Hospital/Warren Alpert Medical School of Brown University, Providence, RI, USA; <sup>5</sup>Gastroenterology, Rhode Island Hospital, Providence, RI, USA; <sup>6</sup>Warren Alpert Medical School of Brown University, Providence, RI, USA.
- 84 326 *PERSISTENT LARGE VESSEL VASCULITIS IN A CHILD WITH INFLAMMATORY BOWEL DISEASE.* Jessica Ulrich<sup>2</sup>, Jeanne Tung<sup>1</sup>. <sup>1</sup>Pediatrics, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Medical School, University of Minnesota, Minneapolis, MN, USA.
- 85 327 *AGE INFLUENCES CHOICE OF INITIAL THERAPY IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE.* Roxanne Cheung, Trudy Lerer, Jeffrey Hyams. Digestive Diseases, Connecticut Children's Medical Center, Hartford, CT, USA.
- 86 328 *DIAGNOSTIC ESOPHAGOGASTRODUODENOSCOPY PREDICTS OUTCOME FOLLOWING INTESTINAL RESECTION IN PEDIATRIC CROHN'S DISEASE.* Vanessa Tan<sup>1</sup>, Kosana Kiranmai<sup>2</sup>, Nicholas Croft<sup>2</sup>, Sandhia Naik<sup>2</sup>, Jeffrey Savarino<sup>3</sup>, Jess Kaplan<sup>3</sup>, Edward Giles<sup>1</sup>. <sup>1</sup>Department of Paediatrics, Monash University, Melbourne, Victoria, Australia; <sup>2</sup>Department of Paediatric Gastroenterology, Royal London Hospital, London, United Kingdom; <sup>3</sup>Pediatric Gastroenterology, MassGeneral Hospital for Children, Boston, MA, USA.
- 87 329 *UNDERSTANDING THE RELATIONSHIP BETWEEN MOOD ISSUES AND HEALTH CARE UTILIZATION AND COSTS AMONG PEDIATRIC PATIENTS WITH IBD.* Jessie Wong<sup>1,2</sup>, Rachel Bensen<sup>3</sup>, Helen Yu<sup>3</sup>, Donna MacIsaac<sup>3</sup>, Zachary Sellers<sup>1</sup>, Anava Wren<sup>3</sup>, Cindy Kin<sup>1</sup>, KT Park<sup>3,1</sup>. <sup>1</sup>School of Medicine, Stanford University, Hayward, CA, USA; <sup>2</sup>Center for Innovation to Implementation, Palo Alto VA Health Care System, Palo Alto, CA, USA; <sup>3</sup>Pediatrics, Stanford University, Stanford, CA, USA.

- 88 330 *SUBSTANCE USE AND SELF-MANAGEMENT IN COLLEGE STUDENTS WITH INFLAMMATORY BOWEL DISEASES (IBD)*. Jill Plevinsky<sup>2,3</sup>, Steven Miller<sup>2</sup>, Michele Maddux<sup>4</sup>, Laurie Fishman<sup>1</sup>, Joshua Noe<sup>5</sup>, Stacy Kahn<sup>1</sup>, Rachel Greenley<sup>2</sup>. <sup>1</sup>GI/Nutrition, Boston Children's Hospital, Cambridge, MA, USA; <sup>2</sup>Department of Psychology, Rosalind Franklin University of Medicine and Science, Chicago, IL, USA; <sup>3</sup>Department of Psychiatry and Human Behavior, Brown University Alpert Medical School, Providence, RI, USA; <sup>4</sup>Developmental and Behavioral Sciences, Children's Mercy Hospital, Kansas City, MO, USA; <sup>5</sup>Pediatric Gastroenterology, Medical College of Wisconsin, Milwaukee, WI, USA.
- 89 331 *THE NATURAL HISTORY OF ANTI-DRUG ANTIBODY FORMATION IN PEDIATRIC INFLAMMATORY BOWEL DISEASE PATIENTS ON BIOLOGIC MEDICATIONS*. Kristin Lambert-Jenkins<sup>2</sup>, Anna Herrick<sup>1</sup>, Judy Splawski<sup>1</sup>, Thomas Sferra<sup>1</sup>, Jonathan Moses<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Rainbow Babies and Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Case Western Reserve University School of Medicine, Cleveland, OH, USA.
- 90 332 *LONG TERM FOLLOW UP OF CHILDREN WITH INFLAMMATORY BOWEL DISEASE WITH DIFFERENT AGE AT ONSET IN A LATINOAMERICAN CENTER*. Judith Cohen Sabban<sup>1</sup>, Julieta Gallo<sup>1</sup>, Viviana Yusti Caicedo<sup>1</sup>, Veronica Busoni<sup>1</sup>, Daniel Dagostino<sup>1</sup>, Josefina Etchevers<sup>3</sup>, Gaston Elmo<sup>2</sup>, Carlos Lifschitz<sup>1</sup>, Marina Orsi<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology Unit, Hospital Italiano, Buenos Aires, Argentina; <sup>2</sup>Pediatric Surgery, Hospital Italiano, Buenos Aires, Buenos Aires, Argentina; <sup>3</sup>Adult Gastroenterology unit, Hospital Italiano, Buenos Aires, Argentina.
- 91 333 *EXPERIENCE OF USTEKINUMAB EFFECTIVENESS IN PEDIATRIC CROHN'S DISEASE*. Judy Dayan, Keith Benkov, David Dunkin, Jacqueline Jossen, Joanne Lai, Nanci Pittman, Ghonche Hashemi, Archana Ramaswami, Elizabeth Spencer, Marla Dubinsky. Pediatrics, Mount Sinai New York, New York, NY, USA.
- 92 334 *ACP353 AS A USEFUL SEROLOGIC MARKER FOR DIAGNOSIS OF CROHN'S DISEASE IN JAPANESE CHILDREN: A PILOT STUDY*. JUN ISHIHARA<sup>1</sup>, Tatsuki Mizuochi<sup>1</sup>, Yugo Takaki<sup>1</sup>, Keisuke Eda<sup>1</sup>, Shunsuke Kurei<sup>2</sup>, Yoshihiro Hayata<sup>2</sup>, Keiichi Mitsuyama<sup>3</sup>. <sup>1</sup>Kurume University School of Medicine, Pediatrics and Child Health, Kurume, Fukuoka, Japan; <sup>2</sup>Medical and Biological Laboratories, CO., LTD, Nagoya, Japan; <sup>3</sup>Inflammatory Bowel Disease Center, Division of Gastroenterology, Department of Medicine, Kurume University School of Medicine, Kurume, Japan.
- 93 335 *ISCHEMIC COLITIS IN A TEENAGE GIRL*. Kaitlin Whaley, Khalil El-Chammas, Lee Denson, Kevin Bove, Scott Pentiuik, Rachel Sheridan, Catherine Socec. Gastroenterology, Hematology and Nutrition, Cincinnati Children's Hospital and Medical Center, Cincinnati, OH, USA.
- 94 336 *GOOD COMPLIANCE WITH FECAL CALPROTECTIN TESTING IN PEDIATRIC INFLAMMATORY BOWEL DISEASE PATIENTS*. Karen Queliza, Michael Wang, Richard Kellermayer. Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA.
- 95 337 *COMBINATION BROAD-SPECTRUM ANTIBIOTICS IMPROVES DISEASE ACTIVITY IN CHILDREN WITH STEROID DEPENDENT OR RESISTANT ULCERATIVE COLITIS*. Anna Claudia Romeo<sup>2</sup>, Fan Li<sup>3</sup>, Kattayoun Kordy<sup>1</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Children's Hospital of Los Angeles, Los Angeles, CA, USA; <sup>2</sup>Department of Paediatrics, University of Messina, Messina, Italy; <sup>3</sup>Pediatric Infectious Disease, Children's Hospital of Los Angeles, Los Angeles, CA, USA.
- 96 338 *UTILITY OF A STANDARDIZED STEROID TAPER FOR TREATMENT AND MANAGEMENT OF INFLAMMATORY BOWEL DISEASE*. KL Adams, RA Lirio, JR Lightdale. UMASS Medical School/UMASS Memorial Children's Medical Center, Worcester, MA, USA.
- 97 339 *INTRAVENOUS IRON THERAPY FOR IRON DEFICIENCY ANEMIA IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE*. Krishnapriya Marangattu Prathapan, Jyoti Mani, Bulent Ozgonenel, Ronald Thomas, Mohammad El-Baba. Pediatrics, Children's Hospital of Michigan, Detroit, MI, USA.

- 98 340 *CONTRIBUTION OF INDIVIDUAL PEDIATRIC CROHN'S DISEASE ACTIVITY INDEX (PCDAI) SUBSCORES TO REMISSION IN PEDIATRIC PTS WITH CROHN'S DISEASE: RESULTS FROM IMAGINE 1 TRIAL.* Jeffrey Hyams<sup>1</sup>, Frank Ruemmele<sup>2</sup>, Joel Rosh<sup>3</sup>, Dan Turner<sup>4</sup>, Marla Dubinsky<sup>5</sup>, Andreas Lazar<sup>6</sup>, Bidan Huang<sup>7</sup>, Joel Petersson<sup>7</sup>, Gabriela Alperovich<sup>8</sup>, Anne M. Robinson<sup>7</sup>. <sup>1</sup>Connecticut Children's Medical Center, Hartford, CT, USA; <sup>2</sup>Universite Sorbonne Paris-Cite, Hospital Necker-Enfants Malades, Paris, France; <sup>3</sup>Goryeb Children's Hospital/Atlantic Health, Morristown, NJ, USA; <sup>4</sup>Shaare Zedek Medical Center, Jerusalem, Israel; <sup>5</sup>Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>6</sup>AbbVie Deutschland GmbH & Co. KG, Ludwigshafen, Germany; <sup>7</sup>AbbVie Inc., North Chicago, IL, USA; <sup>8</sup>AbbVie Spain S.L.U., Madrid, Spain.
- 99 341 *HIGH DOSE INFLIXIMAB FOR PEDIATRIC CROHN'S DISEASE: A CASE SERIES FROM A SINGLE TERTIARY HOSPITAL.* Lara Hart<sup>1</sup>, Mallory Chavannes<sup>2</sup>, Sophie Restellini<sup>3</sup>, Sylviane Forget<sup>1</sup>, Ernest Seidman<sup>1,3</sup>. <sup>1</sup>Dept Pediatrics, Division of Gastroenterology, McGill University, Montreal, QC, Canada; <sup>2</sup>Dept Pediatrics, Division of Gastroenterology, University of British Columbia, Vancouver, BC, Canada; <sup>3</sup>Dept Medicine, Division of Gastroenterology, McGill University, Montreal, QC, Canada.
- 100 342 *SHORT BOWEL SYNDROME ASSOCIATED WITH INFLAMMATORY BOWEL DISEASE.* Laura Bauman, Michael Farrell, Samuel Kocoshis. Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Medical Center, Cincinnati, OH, USA.
- 101 343 *MICROBIAL CHANGES ASSOCIATED WITH PSYCHOSOCIAL STRESS IN PEDIATRIC CROHN'S DISEASE.* Laura Mackner<sup>1</sup>, Michael Bailey<sup>2</sup>, Wallace Crandall<sup>3</sup>. <sup>1</sup>Center for Biobehavioral Health, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Center for Microbial Pathogenesis, Nationwide Children's Hospital, Columbus, OH, USA; <sup>3</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA.
- 102 344 *MESENTERIC VASCULITIS: AN UNUSUAL MIMICKER OF INFLAMMATORY BOWEL DISEASE.* Lauren Thorp, Jacqueline Fridge, Ioannis Kalampokis, Joshua Hanson. Pediatrics, UNM, Albuquerque, NM, USA.
- 103 345 *HYDROURETERONEPHROSIS CAUSED BY CROHN'S DISEASE IN TWO PEDIATRIC PATIENTS.* Laurence Feinstein, Sarah Fleet, Sarah Shrager Lusman, Esi Lamou  -Smith. Pediatric Gastroenterology, Columbia University, New York, NY, USA.
- 104 346 *AN UNEXPECTED CAUSE OF ABDOMINAL PAIN IN CROHN'S DISEASE.* Leina Alrabadi<sup>1</sup>, Muriel Cleary<sup>2</sup>, Dinesh Pashankar<sup>1</sup>, Doruk Ozgediz<sup>2</sup>, Raffaella Morotti<sup>3</sup>, Sandra Escalera<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology & Hepatology, Yale University School of Medicine, New Haven, CT, USA; <sup>2</sup>Pediatric Surgery, Yale University School of Medicine, New Haven, CT, USA; <sup>3</sup>Pathology, Yale University School of Medicine, New Haven, CT, USA; <sup>4</sup>Pediatric Gastroenterology Specialists, North Haven, CT, USA.
- 105 347 *USING LABORATORY VALUES TO PREDICT SUSTAINED CLINICAL RESPONSE TO INFLIXIMAB IN AN ETHICALLY DIVERSE POPULATION OF CHILDREN WITH INFLAMMATORY BOWEL DISEASE.* Lena Gottesman-Katz<sup>1</sup>, Yolanda Rivas<sup>2</sup>, Inna Novak<sup>2</sup>, Andrea Montalvo<sup>2</sup>, Anthony Loizides<sup>2</sup>, John Thompson<sup>2</sup>, Gitit Tomer<sup>2</sup>. <sup>1</sup>Department of Pediatrics, Children's Hospital at Montefiore, Albert Einstein College of Medicine, Bronx, NY, USA; <sup>2</sup>Division of Pediatric Gastroenterology and Nutrition, Children's Hospital at Montefiore, Albert Einstein College of Medicine, Bronx, NY, USA.
- 106 348 *UTILIZING INFORMATION TECHNOLOGY TO IMPROVE INFLUENZA VACCINATION IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE.* DARLA SHORES, LINDSAY WILSON, MARIA OLIVA-HEMKER. Pediatric Gastroenterology, Hepatology and Nutrition, JOHNS HOPKINS MEDICAL INSTITUTIONS, BALTIMORE, MD, USA.
- 107 349 *CLOSING THE EMPIRICAL GAP: THE ASSOCIATION BETWEEN BIOMARKERS AND ANXIETY SYMPTOMS IN PEDIATRIC PATIENTS WITH IBD.* Naomi Schwartz<sup>2</sup>, Kendra Read<sup>1</sup>, Dale Lee<sup>2</sup>, Carin Cunningham<sup>1</sup>, Baoanh Vu<sup>1</sup>, Maggie Stoeckel<sup>1</sup>. <sup>1</sup>Psychiatry and Behavioral Medicine, Seattle Children's, Seattle, WA, USA; <sup>2</sup>Gastroenterology, Seattle Children's, Seattle, WA, USA.

- 108 350 *INFLIXIMAB RELATED INFUSION REACTIONS IN VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE.* Máire Conrad<sup>1,3</sup>, Noor Dawany<sup>2</sup>, Kathleen Sullivan<sup>4,3</sup>, Marcella Devoto<sup>5,3</sup>, Judith Kelsen<sup>1,3</sup>. <sup>1</sup>Pediatric Gastroenterology, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Department of Biomedical and Health Informatics, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Pediatrics, University of Pennsylvania School of Medicine, Philadelphia, PA, USA; <sup>4</sup>Immunology, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>5</sup>Epidemiology and Biostatistics, University of Pennsylvania School of Medicine, Philadelphia, PA, USA.
- 109 351 *RELATIONS BETWEEN PHYSICAL ACTIVITY, BODY COMPOSITION, BONE HEALTH, AND HEALTH-RELATED QUALITY OF LIFE IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE.* Margaux Barnes<sup>1</sup>, Mary Lynch<sup>3</sup>, Molly Lisenby<sup>1</sup>, Taylor Knight<sup>2</sup>, Traci Jester<sup>1</sup>, Jeanine Maclin<sup>1</sup>, Barbara Gower<sup>4</sup>. <sup>1</sup>Pediatrics, University of Alabama at Birmingham, Birmingham, AL, USA; <sup>2</sup>Children's of Alabama, Birmingham, AL, USA; <sup>3</sup>Psychology, University of Alabama at Birmingham, Birmingham, AL, USA; <sup>4</sup>Nutrition Sciences, University of Alabama at Birmingham, Birmingham, AL, USA.
- 110 352\* *CANCER IS MORE COMMON IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE, REGARDLESS OF IMMUNOSUPPRESSION REGIMEN.* Mark Deneau, Stephen Guthery. Pediatric Gastroenterology, University of Utah, Salt Lake City, UT, USA.
- 111 353 *IDENTIFYING THE PREVALENCE OF KNOWN PEDIATRIC INFLAMMATORY BOWEL DISEASE (IBD) GENE MUTATIONS AND ESTABLISHING PHENOTYPES IN NEW YORK BASED PEDIATRIC IBD PATIENTS.* Martine Saint-Cyr<sup>1</sup>, Steve Lipkin<sup>1</sup>, Xiaomu Wei<sup>2</sup>, Solomon Aliza<sup>1</sup>, Robbyn Sockolow<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Weill Cornell Medical Center, Manhattan, NY, USA; <sup>2</sup>Weill Cornell University, Ithaca, NY, USA.
- 112 354 *KAWASAKI DISEASE IN A PATIENT WITH INFLAMMATORY BOWEL DISEASE.* Mary Catherine Huckaby<sup>1,2</sup>, Jeannie Huang<sup>1,2</sup>. <sup>1</sup>Pediatrics, University of California, San Diego, La Jolla, CA, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Rady Children's Hospital, San Diego, CA, USA.
- 113 355 *VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE: A CASE SERIES IN A SOUTH FLORIDA POPULATION.* Mary Wood, Annette Medina, Desiree Sierra, Alice Huang, Lina Felipez, Alisa Muniz-Crim. Pediatrics, Nicklaus Children's Hospital, Miami, FL, USA.
- 114 356 *GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR (SARGRAMOSTIM) INDUCES REMISSION AFTER LICHENOID DRUG ERUPTION DUE TO INFLIXIMAB IN CROHN'S DISEASE.* Anne Lyon<sup>1</sup>, Laura Cooke<sup>1</sup>, Alison Small<sup>2</sup>, Kelly Cordora<sup>2</sup>, Melvin Heyman<sup>1</sup>, Sofia Verstraete<sup>1</sup>. <sup>1</sup>Pediatrics, University of California, San Francisco, San Francisco, CA, USA; <sup>2</sup>Dermatology, University of California, San Francisco, San Francisco, CA, USA.

#### LIVER

- 115 357 *A RARE CASE OF GALLBLADDER AND COMMON BILE DUCT CAPILLARY HEMANGIOMA IN A TODDLER.* Abdul Shahein<sup>1</sup>, Diana Moya<sup>1</sup>, Andrew Buckley<sup>1</sup>, McGrath John<sup>2</sup>, Rafal Kozielski<sup>3</sup>, Robert Baker<sup>1</sup>, Susan Baker<sup>1</sup>. <sup>1</sup>Digestive Diseases & Nutrition Center, Women & Children's Hospital of Buffalo, Buffalo, NY, USA; <sup>2</sup>Department of Radiology, Women & Children's Hospital of Buffalo, Buffalo, NY, USA; <sup>3</sup>Department of Pathology, Women & Children's Hospital of Buffalo, Buffalo, NY, USA.
- 116 358 *VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE WITH SCLEROSING CHOLANGITIS.* Albert Chan<sup>1</sup>, John Lambert<sup>2</sup>, Rebecca Abell<sup>1</sup>, Nishaben Patel<sup>1</sup>, Nanda Kerkar<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Rochester Medical Center, North Chili, NY, USA; <sup>2</sup>Pediatric Gastroenterology, Buttermilk Falls Pediatrics, Ithaca, NY, USA.
- 117 359 *TRANSIENT FACTOR VII DEFICIENCY POST PEDIATRIC LIVER TRANSPLANTATION.* Alexander Nikolas MacLellan<sup>1</sup>, Angela Noble<sup>2,4</sup>, Ketan Kulkarni<sup>3,4</sup>. <sup>1</sup>Medicine, Dalhousie University, Halifax, NS, Canada; <sup>2</sup>Division of Gastroenterology & Nutrition, IWK Health Centre, Halifax, NS, Canada; <sup>3</sup>Division of Hematology-Oncology, IWK Health Centre, Halifax, NS, Canada; <sup>4</sup>Pediatrics, IWK Health Centre, Halifax, NS, Canada.

- 118 360 *CHOLESTATIC LIVER DISEASE ASSOCIATED WITH STEVENS-JOHNSON SYNDROME: A CASE REPORT.* Amy Peasley, Carol Potter. Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA.
- 119 361 *VARIABILITY IN ACCEPTANCE OF ORGAN OFFERS BY PEDIATRIC LIVER TRANSPLANT CENTERS AND ITS IMPACT ON WAITLIST MORTALITY.* Ellen Mitchell<sup>1</sup>, Kathleen Loomes<sup>2</sup>, Robert Squires<sup>1</sup>, David Goldberg<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital of Pittsburgh of UPMC, Swarthmore, PA, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Medicine, Perelman School of Medicine, Philadelphia, PA, USA.
- 120 362\* *CORRELATION OF IMMUNE MARKERS WITH SHORT-TERM OUTCOMES IN BILIARY ATRESIA FOLLOWING IVIG TREATMENT.* Cara Mack<sup>1</sup>, Jeffrey Moore<sup>2</sup>, Sehee Kim<sup>2</sup>, Cathie Spino<sup>2</sup>, Peter Whittington<sup>3</sup>, Jorge Bezerra<sup>4</sup>, Catherine Goodhue<sup>5</sup>, V. Ng<sup>6</sup>, Saul Karpen<sup>7</sup>, Veena Venkat<sup>8</sup>, Kathleen Loomes<sup>9</sup>, Kasper Wang<sup>10</sup>, Averell Sherker<sup>11</sup>, John Magee<sup>12</sup>, Ronald Sokol<sup>13,14</sup>. <sup>1</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; <sup>3</sup>Ann and Robert H Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>4</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>6</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada; <sup>7</sup>Pediatrics, Emory University School of Medicine/Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>8</sup>Department of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>9</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>10</sup>Division of Pediatric Surgery, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>11</sup>Liver Diseases Research Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA; <sup>12</sup>University of Michigan Medical School, Ann Arbor, MI, USA; <sup>13</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, University of Colorado School of Medicine, Children's Hospital Colorado, Aurora, CO, USA; <sup>14</sup>for the Childhood Liver Disease Research Network (ChiLDRen), DCC, Ann Arbor, MI, USA.
- 121 363 *OUTCOME OF CHILDREN WITH ABERNETHY MALFORMATION TYPE II AFTER REMOVAL OF CONGENITAL SHUNT.* Irini Batsis<sup>1</sup>, Sally Mitchell<sup>2</sup>, Dylan Stewart<sup>3</sup>, Emily Dunn<sup>4</sup>, Wikrom Karnsakul<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>Interventional Radiology, Johns Hopkins, Baltimore, MD, USA; <sup>3</sup>Pediatric Surgery, Johns Hopkins, Baltimore, MD, USA; <sup>4</sup>Pediatric Radiology, Johns Hopkins, Baltimore, MD, USA.
- 122 364 *HEPATIC DYSFUNCTION IS LINKED TO A DISTINCT PHENOTYPE OF ACTIVITY AND DISTRIBUTION OF BOWEL DISEASE IN AN INCEPTION COHORT OF PEDIATRIC PATIENTS WITH ULCERATIVE COLITIS.* James Squires<sup>1</sup>, Sonia Davis<sup>2</sup>, Margaret Collins<sup>3</sup>, Kristen Critelli<sup>1</sup>, Yael Haberman<sup>4</sup>, Cary Sauer<sup>5</sup>, James Markowitz<sup>6</sup>, David Mack<sup>7</sup>, Brendan Boyle<sup>8</sup>, Anne Griffiths<sup>9</sup>, Neal LeLeiko<sup>10</sup>, Subra Kugathasan<sup>5</sup>, Thomas Walters<sup>9</sup>, Lee Denson<sup>4</sup>, Jeffrey Hyams<sup>11</sup>, Alexander Miethke<sup>4</sup>. <sup>1</sup>Pediatric Hepatology, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>University of North Carolina, Chapel Hill, NC, USA; <sup>3</sup>Pathology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>4</sup>Gastroenterology and hepatology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>Emory, Atlanta, GA, USA; <sup>6</sup>North Shore University Hospital, New York, NY, USA; <sup>7</sup>Children's Hospital of Eastern Ontario, Ottawa, ON, Canada; <sup>8</sup>Nationwide Children's Hospital, Columbus, OH, USA; <sup>9</sup>Sick Kids, Toronto, ON, Canada; <sup>10</sup>Brown University, Providence, RI, USA; <sup>11</sup>Connecticut Children's Medical Center, Hartford, CT, USA.
- 123 365 *THE ROLE OF THE PEDIATRIC GASTROENTEROLOGIST IN DIAGNOSIS AND MANAGEMENT OF HLH PRESENTING WITH ACUTE LIVER FAILURE: A CASE SERIES.* Janice Bitong, Sue McDiarmid, Yonca Bulut, Irwin Weiss, Elizabeth Marcus. Department of Pediatrics, DGSOM at UCLA, Los Angeles, CA, USA.

- 124 366 *LACK OF DIET1 DISRUPTS THE LINK BETWEEN BILE ACIDS TO OBESITY AND NAFLD.* Jashdeep Bhattacharjee<sup>1</sup>, Rosa-Maria Salazar-Gonzalez<sup>1</sup>, Mikako Warren<sup>2</sup>, Kenneth Setchell<sup>3</sup>, Karen Reue<sup>4</sup>, Rohit Kohli<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital Los Angeles, LOS ANGELES, CA, USA; <sup>2</sup>Department of Pathology and Laboratory Medicine, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>3</sup>UC Department of Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>4</sup>Department of Human Genetics, University of California, Los Angeles, Los Angeles, CA, USA.
- 125 367 *IDENTIFICATION OF OBSCURE GASTROINTESTINAL BLEEDING POST-LIVER TRANSPLANTATION: THE ROUX OF THE CAUSE.* Jessica Hochberg<sup>3,2</sup>, Thiago Beduschi<sup>1,4</sup>, Dana Goldner<sup>2,1</sup>, Akin Tekin<sup>1,4</sup>, Jennifer Garcia<sup>2,1</sup>. <sup>1</sup>Miami Transplant Institute, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Miami, Miami, FL, USA; <sup>3</sup>Department of Pediatrics, Jackson Memorial Hospital, Miami, FL, USA; <sup>4</sup>Department of Surgery, Jackson Memorial Hospital, Miami, FL, USA.
- 126 368 *LIVER ENZYMES IN HYPERCKEMIA.* Jiawei Cui<sup>2,1</sup>, Amit Shah<sup>1</sup>, Elizabeth Kichula<sup>3</sup>, Henry Lin<sup>1,4</sup>. <sup>1</sup>GI/Hepatology/Nutrition, Children's Hospital of Philadelphia, Chapel Hill, NC, USA; <sup>2</sup>School of Medicine, University of North Carolina, Chapel Hill, NC, USA; <sup>3</sup>Neurology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 127 369 *ESCITALOPRAM OXALATE INDUCED ASYMPTOMATIC HYPERBILIRUBINEMIA IN A PEDIATRIC PATIENT.* Joelynn Dailey<sup>1</sup>, Adam Paul<sup>2</sup>. <sup>1</sup>Pediatrics, Lehigh Valley Hospital, Allentown, PA, USA; <sup>2</sup>Pediatric Gastroenterology, Lehigh Valley Hospital, Allentown, PA, USA.
- 128 370\* *EFFECT OF SEBELIPASE ALFA ON SURVIVAL TO 3 YEARS OF AGE AND LIVER FUNCTION IN INFANTS WITH RAPIDLY PROGRESSIVE LYSOSOMAL ACID LIPASE DEFICIENCY.* Simon Jones<sup>1</sup>, Anais Brassier<sup>2</sup>, Joanne Hughes<sup>3</sup>, Dominique Plantaz<sup>4</sup>, Roshni Vara<sup>5</sup>, Catherine Breen<sup>1</sup>, J. Gargus<sup>6</sup>, Sachin Marulkar<sup>7</sup>, Mark Friedman<sup>7</sup>, Vassili Valayannopoulos<sup>2,8</sup>. <sup>1</sup>Manchester Centre for Genomic Medicine, Central Manchester Foundation Trust, University of Manchester, Manchester, United Kingdom; <sup>2</sup>Hôpital Necker-Enfants Malades and IMAGINE Institute, Paris, France; <sup>3</sup>The Children's University Hospital, Dublin, Ireland; <sup>4</sup>Hôpital Couple-Enfants CHU Grenoble, Grenoble, France; <sup>5</sup>Evelina Children's Hospital, Evelina, United Kingdom; <sup>6</sup>University of California, Irvine, Irvine, CA, USA; <sup>7</sup>Alexion Pharmaceuticals, Inc., New Haven, CT, USA; <sup>8</sup>Sanofi-Genzyme, Cambridge, MA, USA.
- 129 371\* *THE ILEAL BILE ACID TRANSPORT INHIBITOR A4250 REDUCED PRURITUS AND SERUM BILE ACID LEVELS IN CHILDREN WITH CHOLESTATIC LIVER DISEASE AND PRURITUS: FINAL RESULTS FROM A MULTIPLE-DOSE, OPEN-LABEL, MULTINATIONAL STUDY.* Ekkehard Sturm<sup>1</sup>, Ulrich Baumann<sup>5</sup>, Florence Lacaille<sup>6</sup>, Emmanuel Gonzales<sup>7</sup>, Henrik Arnell<sup>8</sup>, Bjorn Fischler<sup>8</sup>, Marianne Horby Jorgensen<sup>4</sup>, Richard Thompson<sup>3</sup>, Jan Mattsson<sup>2</sup>, Mats Ekelund<sup>2</sup>, Erik Lindström<sup>2</sup>, Per-Göran Gillberg<sup>2</sup>, Kristina Torfgard<sup>2</sup>, Paresh Soni<sup>9</sup>. <sup>1</sup>Pediatric Gastroenterology and Hepatology, University Children's Hospital Tuebingen, Tuebingen, Germany; <sup>2</sup>Albireo AB, Gothenburg, Sweden; <sup>3</sup>Institute of Liver Studies, King's College London, London, United Kingdom; <sup>4</sup>Pediatric and Adolescent Medicine, Rigshospitalet, Copenhagen, Denmark; <sup>5</sup>Klinik für Pädiatrische Nieren-, Leber- und Stoffwechselerkrankungen, Medizinische Hochschule Hannover, Hannover, Germany; <sup>6</sup>Pediatric Gastroenterology Hepatology-Nutrition, Necker- Enfants Maladies Hospital, Paris, France; <sup>7</sup>Pediatric Hepatology and Liver Transplantation, University Hospitals of Paris-Sud, Bicetre, France; <sup>8</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Astrid Lindgren Children's Hospital, Karolinska University Hospital, Stockholm, Sweden; <sup>9</sup>Albireo Pharma, Boston, MA, USA.
- 130 372 *POST-HEMORRHAGIC HYDROCEPHALUS SECONDARY TO ALPHA-1 ANTITRYPSIN DEFICIENCY IN A NEONATE.* Jyoti Mani, Shailender Madani. Pediatrics, Children's Hospital of Michigan, Detroit, MI, USA.
- 131 373 *GRANULOMATOSIS WITH POLYANGIITIS (GPA) PRESENTING AS INFLAMMATORY BOWEL DISEASE (IBD) IN A CHILD WITH AUTOIMMUNE LIVER DISEASE (AILD).* Kahleb Graham<sup>2</sup>, Mona Gizaw<sup>1</sup>, Henry Lin<sup>2</sup>. <sup>1</sup>University of Pennsylvania, Philadelphia, PA, USA; <sup>2</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA.

- 132 374 *DYSKERATOSIS CONGENITA AND GASTROINTESTINAL BLEEDING: CLINICAL AND ENDOSCOPIC FINDINGS.* Karen Queliza<sup>1</sup>, Ryan Himes<sup>1</sup>, Alison Bertuch<sup>2</sup>, Tamir Miloh<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Pediatric Hematology and Oncology, Baylor College of Medicine, Houston, TX, USA.
- 133 375 *X-LINKED HYPER IGM SYNDROME PRESENTING WITH END STAGE LIVER DISEASE IN INFANCY.* Katarzyna Bigaj<sup>1</sup>, Donna Cheung<sup>2</sup>, Jennifer Garcia<sup>2</sup>, Dana Goldner<sup>2</sup>. <sup>1</sup>University of Miami, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, University of Miami, Miami, FL, USA.
- 134 376 *ASSOCIATION OF DIETARY CARBOHYDRATES AND SUGARS WITH NONALCOHOLIC FATTY LIVER DISEASE: A SYSTEMATIC REVIEW.* Kathryn Harlow<sup>1,2</sup>, Elizabeth Yu<sup>1,2</sup>, Shivali Joshi<sup>3</sup>, Nidhi Goyal<sup>1,2</sup>, Kimberly Newton<sup>1,2</sup>, Jeffrey Schwimmer<sup>1,2</sup>. <sup>1</sup>Gastroenterology, University of California San Diego, San Diego, CA, USA; <sup>2</sup>Gastroenterology, Rady Children's Hospital, San Diego, CA, USA; <sup>3</sup>University of California San Diego, San Diego, CA, USA.
- 135 377 *THE SUCCESSFUL TREATMENT OF CHRONIC HEPATITIS C GENOTYPE 2 INFECTION WITH SOFOSBUVIR/VELPATASVIR IN A 14 YEAR OLD ADOLESCENT.* Kenneth Almeida<sup>1</sup>, Annalisa Vigni<sup>1</sup>, Kimberly Christensen<sup>1</sup>, Kim Hinojosa<sup>2,1</sup>, Maria Castillo<sup>1</sup>, Eric Lawitz<sup>1</sup>, Naim Alkhouri<sup>1</sup>. <sup>1</sup>Texas Liver Institute, San Antonio, TX, USA; <sup>2</sup>CommuniCare, San Antonio, TX, USA.
- 136 378 *BILE ACID SYNTHESIS DISORDERS IN ARABS: A 10-YEAR PROSPECTIVE SCREENING STUDY USING SERUM TOTAL BILE ACIDS WITH CONFIRMATORY MASS SPECTROMETRY AND GENETIC ANALYSES FOR DIAGNOSIS AND FOLLOW-UP TO CHOLIC ACID THERAPY.* Abdulrahman Al-Hussaini<sup>2,3</sup>, Kenneth Setchell<sup>1</sup>, Bader AlSaleem<sup>8</sup>, James Heubi<sup>4</sup>, Khurram Lone<sup>9</sup>, Anne Davit-Spraul<sup>7</sup>, Emmanuel Jacquemin<sup>5,6</sup>. <sup>1</sup>Pathology and Laboratory Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>2</sup>Division of Pediatric Gastroenterology, The Children's Specialized Hospital, King Fahad Medical City,, Riyadh, Saudi Arabia; <sup>3</sup>College of Medicine, Alfaisal University, Riyadh, Saudi Arabia; <sup>4</sup>Gastroenterology and Nutrition, , Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>Pediatric Hepatology and Pediatric Liver Transplantation Unit and National Reference Centre for Rare Pediatric Liver Diseases, Hepatinov, Bicêtre University Hospital, Paris, France; <sup>6</sup>University of Paris-Sud, Assistance Publique-Hôpitaux de Paris, Le Kremlin Bicêtre; and Inserm, UMR-S1174, Hepatinov, University of Paris-Sud, Orsay, France, Orsay, France; <sup>7</sup>Biochemistry and Molecular Biology Unit, , Bicêtre University Hospital, Assistance Publique-Hôpitaux de Paris, Le Kremlin Bicêtre, Paris, France; <sup>8</sup>Division of Pediatric Gastroenterology, The Children's Specialized Hospital, King Fahad Medical City, Riyadh, Saudi Arabia; <sup>9</sup>Division of Pediatric Gastroenterology, The Children's Specialized Hospital, King Fahad Medical City, Riyadh, Saudi Arabia.
- 137 379 *UNUSUAL CFTR MUTATIONS AND LIVER FAILURE IN INFANCY.* Humza Khan, Stuart Kaufman, Khalid Khan. Transplant Institute, MedStar Georgetown University Hospital, Washington, USA.
- 138 380 *TIGHT JUNCTION PROTEIN 2 (TJP2) GENOTYPE AND GENOTYPE IN THE ERA OF NEXT GENERATION SEQUENCING.* Kishwer Kumar<sup>1</sup>, Ali Syed Akhatur Hassan<sup>1</sup>, Mohamed Barr<sup>1</sup>, Dieter broering<sup>1</sup>, Husna Al Hussaini<sup>2</sup>, Mohammad Shagrani<sup>1</sup>. <sup>1</sup>Pediatric Transplant Hepatology, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia; <sup>2</sup>Department of Pathology and Laboratory Medicine, King Faisal Specialist Hospital and Research Centre, Riyadh, Riyadh, Saudi Arabia.
- 139 381 *GGT DISCORDANCE IN NEONATAL CHOLESTASIS: A CASE SERIES OF THREE PATIENTS.* Kristen Critelli<sup>1</sup>, Patrick McKiernan<sup>1</sup>, Sarangarajan Ranganathan<sup>2</sup>, Leah Siebold<sup>1</sup>, Dr. Robert Squires<sup>1</sup>, James Squires<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, UPMC - Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>Pathology, UPMC - Children's Hospital of Pittsburgh, Pittsburgh, PA, USA.
- 140 382 *CASE SERIES- TREATING CHILDREN WITH HEPATITIS C 1A WHO ARE TREATMENT-EXPERIENCED AND CIRRHOTIC WITH LEDIPASVIR-SOFOSBUVIR UNDER COMPASSIONATE USE.* Kristina Reed, Jennifer Gamblin, Judith O'Connor, Sirish Palle. Pediatrics, OU Children's, Oklahoma City, OK, USA.

- 141 383 *HEPATOPULMONARY SYNDROME ASSOCIATED WITH ABERNETHY MALFORMATION.* Lay Queen Ng<sup>1</sup>, Dipak Kholwadwala<sup>2</sup>, Jennifer Mait-Kaufman<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cohen Children's Medical Center of NY, Lake Success, NY, USA; <sup>2</sup>Pediatric Cardiology, Cohen Children's Medical Center of NY, New Hyde Park, NY, USA.
- 142 384 *"TPNOMA" AS A RARE COMPLICATION OF LIPID EXTRAVASATION WITH UVC MISPLACEMENT: A CASE SERIES.* Ligia Alfaro Cruz<sup>1</sup>, Keisha Barton<sup>1</sup>, Paula Hertel<sup>1</sup>, Beth Carter<sup>1</sup>, Erynn Bergner<sup>2</sup>, Joseph Garcia-Prats<sup>2</sup>, Douglas Fishman<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Baylor college of Medicine/Texas Children's Hospital, Houston, TX, USA; <sup>2</sup>Neonatology, Baylor College of Medicine/ Texas Childrens Hospital, Houston, TX, USA.
- 143 385 *HEPATIC ADENOMA IN A PATIENT WITH KABUKI SYNDROME.* Luz Gutierrez Sanchez<sup>1</sup>, Amy Kolbe<sup>2</sup>, Dusica Babovic-Vuksanovic<sup>3</sup>, Lizhi Zhang<sup>4</sup>, Katryn Furuya<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Radiology, Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Clinical Genomics, Mayo Clinic, Rochester, MN, USA; <sup>4</sup>Pathology, Mayo Clinic, Rochester, MN, USA.
- 144 386 *LIVER CIRRHOSIS IN A 7-YEAR OLD MALE LEADING TO A RARE DIAGNOSIS.* Madelyn Cohen<sup>1</sup>, Deepa Patil<sup>3</sup>, Priyanka Lakshmanan<sup>5</sup>, Kadakkal Radhakrishnan<sup>2</sup>, Amar Gupta<sup>4</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>2</sup>. <sup>1</sup>Pediatrics, Cleveland Clinic, Beachwood, OH, USA; <sup>2</sup>Pediatric Gastroenterology, Cleveland Clinic Childrens, Cleveland, OH, USA; <sup>3</sup>Pathology, Cleveland Clinic, Cleveland, OH, USA; <sup>4</sup>Radiology, Cleveland Clinic, Cleveland, OH, USA; <sup>5</sup>Cleveland Clinic, Cleveland, OH, USA.
- 145 387 *LISTING HYPONATREMIA ASSOCIATED WITH INCREASED MORTALITY RISK IN PEDIATRIC LIVER TRANSPLANT CANDIDATES: A UNOS DATABASE ANALYSIS FROM 2005-2015.* Mansi Amin, Philip Rosenthal. Dept Pediatric GI, UCSF, San Francisco, CA, USA.
- 146 388 *WILLIAMS SCORE APPLIED TO MAGNETIC RESONANCE IMAGING IN THE EVALUATION OF CHILDREN WITH CYSTIC FIBROSIS.* Marilisa Baldissera<sup>1</sup>, Matias Epifanio<sup>1</sup>, Leonardo Pinto<sup>1</sup>, Rita Mattiello<sup>1</sup>, Diego Roman<sup>2</sup>, Francisco Santos<sup>3</sup>, José Marostica<sup>4</sup>, Bruno Hochhegger<sup>2</sup>, Matteo Baldisserotto<sup>2</sup>. <sup>1</sup>Pediatric, PUCRS, Porto Alegre, Brazil; <sup>2</sup>Radiology, PUCRS, Porto Alegre, Brazil; <sup>3</sup>PUCRS, Porto Alegre, Brazil; <sup>4</sup>Pediatric Pulmonology, Hospital de Clinicas de Porto Alegre, Porto Alegre, Brazil.
- 147 389 *THROMBOPHILIA PROFILE IN PEDIATRIC PATIENTS WITH CIRRHOSIS AND LIVER FAILURE FROM THE PEDIATRICS HOSPITAL, AT THE WESTERN NATIONAL MEDICAL CENTER.* Martha Midory Rodríguez Pérez<sup>1</sup>, Yolanda Alicia Castillo de León<sup>1</sup>, Juan Carlos Barrera de León<sup>1</sup>, Roberto Garibaldi Covarrubias<sup>1</sup>, Ana Rebeca Jaloma Cruz<sup>2</sup>. <sup>1</sup>Pediatría, Instituto Mexicano del Seguro Social UMAE HP, Guzman, Jalisco, Mexico; <sup>2</sup>Centro de Investigación Biomédica de Occidente, Instituto Mexicano del Seguro Social UMAE HP, Guadalajara, Jalisco, Mexico.
- 148 390 *SUCCESSFUL TREATMENT OF ABERNATHY MALFORMATION WITH LIVER TRANSPLANTATION: A CASE REPORT.* Mary Ayers<sup>1</sup>, Ihsan Mamoun<sup>2</sup>, Kadakkal Radhakrishnan<sup>3</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>3</sup>. <sup>1</sup>Pediatrics, Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>Radiology, Cleveland Clinic, Cleveland, OH, USA; <sup>3</sup>Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA.
- 149 391 *NORMAL RANGE OF MAGNETIC RESONANCE ELASTOGRAPHY MEASURED LIVER STIFFNESS IN CHILDREN WITHOUT LIVER DISEASE.* Mary Catherine Huckaby<sup>1,2</sup>, Kathryn Harlow<sup>1,2</sup>, Jorge Angeles<sup>1</sup>, Craig Bross<sup>1</sup>, Nidhi Goyal<sup>1,2</sup>, Kimberly Newton<sup>1,2</sup>, Alexandra Schlein<sup>3</sup>, Jonathan Hooker<sup>3</sup>, Ethan Sy<sup>3</sup>, Claude Sirlin<sup>3</sup>, Jeffrey Schwimmer<sup>1,2</sup>. <sup>1</sup>Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Rady Children's Hospital, San Diego, CA, USA; <sup>3</sup>Radiology, University of California San Diego, San Diego, CA, USA.

- 150 392\* *IN VITRO DIFFERENTIATION OF INDUCED PLURIPOTENT STEM CELLS TO DEFINITIVE ENDODERM: PROTOCOL OPTIMIZATION BY HIGH-THROUGHPUT GENE EXPRESSION ANALYSIS.* Marie-Agnès M'Callum<sup>2</sup>, Sarah Lépine<sup>2</sup>, Toan Quang Pham<sup>2</sup>, Claudia Raggi<sup>2</sup>, Massimiliano Paganelli<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Sainte-Justine Hospital, Université de Montréal, Montreal, QC, Canada; <sup>2</sup>Hepatology and Cell Therapy Lab, Sainte-Justine Hospital, Université de Montréal, Montreal, QC, Canada.
- 151 393 *DEVELOPMENT OF AN IN VITRO MODEL OF HEREDITARY TYROSINEMIA TYPE 1 USING PATIENT-DERIVED INDUCED PLURIPOTENT STEM CELLS.* Toan Quang Pham<sup>2</sup>, Marie-Agnès M'Callum<sup>2</sup>, Paula Waters<sup>3</sup>, Ugur Halac<sup>1</sup>, Suleen Raad<sup>2</sup>, Chenicka-Lyn Mangahas<sup>2</sup>, Claudia Raggi<sup>2</sup>, Massimiliano Paganelli<sup>2,1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Sainte-Justine Hospital, Montreal, QC, Canada; <sup>2</sup>Hepatology and Cell Therapy Lab, Sainte-Justine Hospital, Montreal, QC, Canada; <sup>3</sup>Genetic Biochemistry Lab, Centre Hospitalier de l'Université de Sherbrooke, Montreal, QC, Canada.
- 152 394 *NON-ALCOHOLIC FATTY LIVER DISEASE IN CHILDREN AND ADOLESCENTS: EFFICACY OF LIFESTYLE CHANGE - A SYSTEMATIC REVIEW AND META-ANALYSIS.* Melina Melere<sup>3</sup>, Cristina Ferreira<sup>3</sup>, Bernardo Horta<sup>2</sup>, Matias Epifanio<sup>3</sup>, Angelo Mattos<sup>1</sup>, Marialena Mouzaki<sup>4</sup>. <sup>1</sup> Gastroenterologist, Federal University of Health Sciences of Porto Alegre (UFCSA), Porto Alegre, Rio Grande do Sul, Brazil; <sup>2</sup>Postgraduate Program in Epidemiology, Federal University of Pelotas - FAPEAM, Pelotas, Rio Grande do Sul, Brazil; <sup>3</sup>Pediatric Gastroenterologist , Santo Antônio Hospital, Santa Casa de Misericórdia Complex of Porto Alegre / RS, Porto Alegre, Rio Grande do Sul, Brazil; <sup>4</sup>Pediatric gastroenterologist, University of Toronto, Hershey, PA, USA.
- 153 395 *PILOT STUDY OF ACOUSTIC RADIATION FORCE IMPULSE (ARFI) IMAGING FOR LIVER STIFFNESS ASSESSMENT IN CHILDREN WHO HAVE UNDERGONE FONTAN PROCEDURE.* Michael Narkewicz<sup>1</sup>, Adel Younoszai<sup>2</sup>, Mariana Meyers<sup>3</sup>, Carrie Rafferty<sup>2</sup>, Michael DiMaria<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Colorado SOM, Aurora, CO, USA; <sup>2</sup>Pediatric Cardiology, University of Colorado School of Medicine, Aurora, CO, USA; <sup>3</sup>Pediatric Radiology, University of Colorado School of Medicine, Aurora, CO, USA.
- 154 396 *ACCURACY AND REPEATABILITY OF MAGNETIC RESONANCE IMAGING BASED VOLUMETRIC LIVER FAT FRACTION COMPARED TO HISTOLOGY IN CHILDREN.* Miriam Vos<sup>1,2</sup>, Jack Knight-Scott<sup>2</sup>, Juna Konomi<sup>1</sup>, Ran Jin<sup>1</sup>, Hayley Braun<sup>1</sup>, Maria Cordero<sup>1</sup>, Albert Hernandez<sup>1</sup>, Rebecca Cleeton<sup>1</sup>, Alton Brad Farris<sup>1</sup>, Adina Alazraki<sup>2,1</sup>. <sup>1</sup>Pediatrics, Emory University, Decatur, GA, USA; <sup>2</sup>Children's Healthcare of Atlanta, Atlanta, GA, USA.
- 155 397 *A CASE OF SPONTANEOUS COMMON BILE DUCT (CBD) PERFORATION.* Mohamad Halabi, Dhandapani Ashok, Neil Merritt. Paediatrics, Children's Hospital - London Health Sciences Centre, London, ON, Canada.
- 156 398 *SUCCESSFUL USE OF SILIBININ IN A CHILD WITH MUSHROOM-INDUCED ACUTE LIVER FAILURE.* Mohammad Nasser Kabbany, Praveen Kumar Conjeevaram Selvakumar, Christine Pasquarella, Kadakkal Radhakrishnan. Department of Pediatric Gastroenterology and Hepatology, Cleveland Clinic Foundation, Cleveland, OH, USA.
- 157 399 *EXPERIENCE OF 900 ACUTE HEPATITIS CASES IN CHILDREN: IDENTIFYING THE HIGH RISK GROUP FOR COMPLICATIONS IN HEPATITIS E INFECTION.* Neelam Mohan, Shivprasad Dubey, Sakshi Karkra, Deepak Goyal. Dep. of Pediatrics Gasrtoenterology and Hepatology, Medanta Hospital, Gurgaon, India.
- 158 400 *BENIGN INFLAMMATORY BILIARY STRICTURES IN INFANTS: NOVEL APPROACHES WITH NON-SURGICAL INTERVENTIONS.* Pooja Reddy<sup>1</sup>, Yolanda Rivas<sup>1</sup>, Yosef Golowa<sup>2</sup>, Deborah Kogan<sup>1</sup>, Sammy Ho<sup>3</sup>, Nadia Ovchinsky<sup>1</sup>. <sup>1</sup>Pediatrics, Montefiore Medical Center, New York, NY, USA; <sup>2</sup>Radiology, Montefiore Medical Center, Bronx, NY, USA; <sup>3</sup>Medicine, Montefiore Medical Center, Bronx, NY, USA.
- 159 401 *EBV ASSOCIATED MALIGNANCIES IN CARDIAC PATIENTS WITH PROTEIN LOSING ENTEROPATHY.* Sharmistha Rudra, Henry Lin. Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA.

- 160 402 *CHOLANGIOCARCINOMA IN CHILDREN; LITERATURE AND SEER DATA BASE REVIEW.* Jennifer Newsome<sup>1</sup>, Rajkumar Venkatramani<sup>2</sup>, Andras Heczey<sup>2</sup>, Douglas Fishman<sup>1</sup>, Tamir Miloh<sup>1</sup>. <sup>1</sup>GI, Texas Children's Hospital , Houston, TX, USA; <sup>2</sup>Oncology , Texas Children's Hospital , Houston , TX, USA.

### MICROBIOLOGY/INFECTIONS/PROBIOTICS

- 161 403 *ESOPHAGEAL INTRAMURAL PSEUDODIVERTICULOSIS WITH TRACKING IN A CHILD WITH AUTOSOMAL DOMINANT HYPER-IGE SYNDROME.* Frances Lee<sup>3</sup>, Vignesh Ramachandran<sup>1</sup>, Kevin Shah<sup>1</sup>, Filiz Seeborg<sup>5,4</sup>, Douglas Fishman<sup>2,4</sup>. <sup>1</sup>Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>4</sup>Texas Children's Hospital, Houston, TX, USA; <sup>5</sup>Immunology, Allergy, and Rheumatology, Baylor College of Medicine, Houston, TX, USA.
- 162 404 *THE ROLE OF A BUTYRATE-YIELDING SYMBIOTIC IN COLONIC PROTECTION IN MICE DURING ANTIBIOTIC AND CLOSTRIDIUM DIFFICILE EXPOSURE.* Gail Cresci<sup>1,3</sup>, Jennifer Cadnum<sup>2</sup>, Mark Obrenovich<sup>2</sup>, Curtis Donskey<sup>2</sup>. <sup>1</sup>Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>Infectious Diseases, Cleveland VA Medical Center, Cleveland, OH, USA; <sup>3</sup>Pathobiology, Cleveland Clinic, Cleveland, OH, USA.
- 163 405 *THE EPIDEMIOLOGICAL CHARACTERISTICS OF HELICOBACTER PYLORI INFECTIONS IN GASTRODUODENAL PATHOLOGIES IN CHILDHOOD.* Gokhan Tumgor<sup>1</sup>, Nilgun Uyduran<sup>2</sup>, Mehmet Agin<sup>1</sup>, Togrul Nagiyev<sup>3</sup>, Oguz Uskudar<sup>4</sup>, Figen Doran<sup>5</sup>, Fatih Koksak<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Cukurova University Medical Faculty, Adana, Turkey; <sup>2</sup>Pediatrics, Cukurova University Medical Faculty, Adana, Turkey; <sup>3</sup>Microbiology, Cukurova University Medical Faculty, Adana, Turkey; <sup>4</sup>Gastroenterology, Cukurova University Medical Faculty, Adana, Turkey; <sup>5</sup>Pathology, Cukurova University Medical Faculty, Adana, Turkey.
- 164 406 *ACCURACY OF HEMATOXYLINE-EOSIN STAINING FOR DIAGNOSING OR EXCLUDING HELICOBACTER PYLORI IN CHILDREN WITH GASTRITIS.* Jay Fong<sup>1</sup>, Stanley Lau<sup>2</sup>, Theresa Smith<sup>3</sup>, Xiaofei Wang<sup>3</sup>, Kanwaljit Singh<sup>4</sup>, JR Lightdale<sup>1</sup>. <sup>1</sup>Pediatrics, Umass Medical School, Grafton, MA, USA; <sup>2</sup>Pediatrics, New York Hospital Cornell Medical School, New York, NY, USA; <sup>3</sup>Pathology, Umass Medical School, Worcester, MA, USA; <sup>4</sup>Pediatrics, Umass Medical School, Worcester, MA, USA.
- 165 407 *HELICOBACTER PYLORI AND HEPATITIS A COINFECTION COMPLICATED BY ACALCULOUS CHOLECYSTITIS IN AN ADOLESCENT REFUGEE.* Jenny Tumba<sup>1</sup>, Christina Kim<sup>1</sup>, Katrina Nguyen<sup>2</sup>. <sup>1</sup>Medical Student, University of Illinois College of Medicine in Rockford, Rockford , IL, USA; <sup>2</sup>Division of Pediatric Gastroenterology, Mercy Health, Rockford, IL, USA.
- 166 408 *A SINGLE CENTER EXPERIENCE OF TREATMENT FAILURE IN HELICOBACTER PYLORI AMONG INNER CITY CHILDREN.* Jubin Mathews, Debra Pan. Pediatric Gastroenterology, Children's Hospital at Montefiore, Bronx, NY, USA.
- 167 409 *DO OSMOTIC OR STIMULANT LAXATIVES USED TO TREAT CONSTIPATION ENHANCE THE RISK OF C. DIFFICILE INFECTION IN CHILDREN?* Julie Khlevner, Yasmine Delgado Jimenez, Esi Lamoussé-Smith. Columbia University Medical Center, New York, NY, USA.
- 168 410 *DOES PRE-TREATMENT WITH ANTIBIOTICS OR ANTACID MEDICATION AFFECT THE DIAGNOSTIC YIELD OF ENDOSCOPY IN DIAGNOSING SMALL BOWEL BACTERIAL OVERGROWTH (SBBO) IN CHILDREN WITH INTESTINAL FAILURE (IF): A RETROSPECTIVE REVIEW.* Kathleen Gura<sup>1,2</sup>, Tania Baker<sup>1</sup>, Andrew Beaty<sup>3</sup>, Kristine Sobolewski<sup>4</sup>, Danielle Stamm<sup>2</sup>, Christopher Duggan<sup>2</sup>. <sup>1</sup>Pharmacy, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Center for Advanced Intestinal Rehabilitation, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC, USA; <sup>4</sup>MCPHS University, Boston, MA, USA.

- 169 411 *WHICH ANTIBIOTICS DRIVE GUT MICROBIOME COMPOSITIONS TOWARDS THOSE TYPICAL OF INDIVIDUALS WITH RECURRENT CLOSTRIDIUM DIFFICILE INFECTION? A META-ANALYSIS AND TEMPLATE FOR ANTIBIOTIC DEVELOPMENT.* Keith Hazleton<sup>1,2</sup>, Catherine Lozupone<sup>3</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Colorado Anschutz Medical Campus, Aurora, CO, USA; <sup>2</sup>Digestive Health Institute, Children's Hospital Colorado, Aurora, CO, USA; <sup>3</sup>Biomedical Informatics and Personalized Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO, USA.
- 170 412 *A UNIQUE CASE OF A 7 YEAR OLD WITH HEMATEMESIS AND GASTRITIS ASSOCIATED WITH YERSINIA ENTEROCOLITICA INFECTION.* Kiran Mudambi, Rachel Bensen. Pediatric GI, Stanford, Sunnyvale, CA, USA.
- 171 413\* *SALMONELLA ENTERICA SEROVAR TYPHI MODULATES IMMUNE SYSTEM ACTIVATION IN A HUMAN BIOPSY MODEL OF INFECTION.* Kourtney Nickerson<sup>1,3</sup>, Maria Rosaria Fiorentino<sup>1,3</sup>, Yan Zhang<sup>2</sup>, Marcelo Sztain<sup>4</sup>, Stefania Senger<sup>1,3</sup>, Alessio Fasano<sup>1,3</sup>. <sup>1</sup>Pediatric Gastroenterology, Massachusetts General Hospital, Boston, MA, USA; <sup>2</sup>Institute for Genome Sciences, Baltimore, MD, USA; <sup>3</sup>Harvard Medical School, Harvard University, Boston, MA, USA; <sup>4</sup>Center for Vaccine Development, University of Maryland, Baltimore, MD, USA.
- 172 414 *EFFICACY OF LACTOBACILLUS REUTERI FOR INFANT REGURGITATION: A SYSTEMATIC REVIEW.* Kristen Finn, Heidi Storm, Brian Kineman, Ryan Carvalho. Clinical Sciences, Nestle Nutrition, Florham Park, NJ, USA.
- 173 415 *CASE REPORT: ATYPICAL PRESENTATION OF HENOCH SCHONLEIN PURPURA.* LaQuatre Rhodes. Pediatric Gastroenterology, Louisiana State University Health Sciences Center New Orleans , New Orleans , LA, USA.
- 174 416 *ENGINEERING BACTEROIDES SPECIES TO SECRETE ANTI-INFLAMMATORY PROTEINS VIA OUTER MEMBRANE VESICLES.* Logan Jerger<sup>1</sup>, Mark Mimeo<sup>2</sup>, Timothy Lu<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, MassGeneral Hospital for Children, Boston, MA, USA; <sup>2</sup>Biological Engineering, Massachusetts Institute of Technology, Cambridge, MA, USA.

## NUTRITION

- 175 417 *SUCCESSFUL TRANSITION OFF TUBE FEEDING IN A CHILD WITH HYDROPS FETALIS: A MULTIDISCIPLINARY TEAM APPROACH.* Dena Dunn, Goldie Markowitz, Sandra Galbally, Kristy Pucci, Ligia Brochi, Sherri Cohen. Feeding and Swallowing Center, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 176 418 *NEW KIDS™ TRIAGE PARENT SATISFACTION SURVEY.* Denise Kilway. Pediatric GI, Medical College of Wisconsin, Pewaukee, WI, USA.
- 177 419 *EPIDEMIOLOGY AND OUTCOMES OF THE USE OF PARENTERAL NUTRITION IN HOSPITALIZED CHILDREN IN THE UNITED STATES.* Jessica Barreto<sup>1</sup>, Desiree Sierra<sup>1</sup>, Mary Wood<sup>1</sup>, Balagangadhar Totapally<sup>2</sup>. <sup>1</sup>Pediatrics, Nicklaus Children's Hospital , Miami, FL, USA; <sup>2</sup>Critical Care Medicine, Nicklaus Children's Hospital, Miami, FL, USA.
- 178 420 *DEVELOPMENT OF A FOOD-FREQUENCY QUESTIONNAIRE TO ASSESS FOLATE AND VITAMIN B12 STATUS IN CHILDREN WITH CHRONIC HEPATITIS B.* Douglas Mogul<sup>1</sup>, Hong Nga Brereton<sup>2</sup>, Kit Carson<sup>2</sup>, Kathleen Schwarz<sup>1</sup>. <sup>1</sup>Pediatrics, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>Institute for Clinical and Translational Research, Johns Hopkins University, Baltimore, MD, USA.
- 179 421 *CHILDHOOD OBESITY RISK FACTORS DURING THE FIRST 1,000 DAYS IN AN URBAN WOMEN, INFANTS, AND CHILDREN (WIC) PROGRAM.* Erin Elbel<sup>1</sup>, Kayla Milne<sup>1,2</sup>, Nina Quirk<sup>1,2</sup>, Kelsey Nichols<sup>1,2</sup>, Jennifer Woo Baidal<sup>1</sup>. <sup>1</sup>Division of Pediatric GI, Hepatology, and Nutrition, Columbia University Medical Center, New York, NY, USA; <sup>2</sup>Institute of Human Nutrition, Columbia University Medical Center, New York, NY, USA.

- 180 422 *CURRENT STATUS OF NUTRITIONAL SUPPORT TEAM FOR HOSPITALIZED CHILDREN: A NATIONWIDE MULTICENTER CROSS-SECTIONAL SURVEY IN SOUTH KOREA.* Eun Hye Lee<sup>1</sup>, Seung Kim<sup>2</sup>, Hye Ran Yang<sup>3,4</sup>. <sup>1</sup>Pediatrics, Eul Ji Medical Center, Seoul, Korea (the Republic of); <sup>2</sup>Pediatrics, Severance Children's Hospital, Seoul, Korea (the Republic of); <sup>3</sup>Pediatrics, Seoul National University College of Medicine, Seoul, Korea (the Republic of); <sup>4</sup>Pediatrics, Seoul National University Bundang Hospital, Seongnam, Korea (the Republic of).
- 181 423 *CELIAC DISEASE IN SOUTH JORDAN.* Eyad Altamimi. Pediatrics, Jordan University of Science and Technology, Irbid, Jordan.
- 182 424 *PRELIMINARY EXPERIENCE OF THE MODIFIED ATKINS DIET FOR CHILDREN WITH PRADER-WILLI SYNDROME.* Grace Felix<sup>1</sup>, Eric Kossoff<sup>2</sup>, Bobbie Baron<sup>3</sup>, Elizabeth Getzoff<sup>4</sup>, Caitlin Krekel<sup>3</sup>, Ann Scheimann<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>Pediatric Neurology, Johns Hopkins, Baltimore, MD, USA; <sup>3</sup>ICTR, Johns Hopkins, Baltimore, MD, USA; <sup>4</sup>Pediatric Psychology, Mt Washington Pediatric Hospital, Baltimore, MD, USA.
- 183 425 *EFFECT OF PEDIATRIC NUTRITIONAL SUPPLEMENT FORMULA ON CATCH-UP GROWTH IN YOUNG CHILDREN WITH NONORGANIC GROWTH FLATERING: A PROSPECTIVE MULTICENTER STUDY.* Hye Ran Yang<sup>5,6</sup>, Jung Ok Shim<sup>2</sup>, Seung Kim<sup>3</sup>, Byung-Ho Choe<sup>1</sup>, Ji-Hyun Seo<sup>4</sup>. <sup>1</sup>Pediatrics, Kyungpook National University School of Medicine, Daegu, Korea (the Republic of); <sup>2</sup>Pediatrics, Korea University College of Medicine, Seoul, Korea (the Republic of); <sup>3</sup>Pediatrics, Yonsei University College of Medicine, Seoul, Korea (the Republic of); <sup>4</sup>Pediatrics, Gyeongsang National University School of Medicine, Jinju, Korea (the Republic of); <sup>5</sup>Pediatrics, Seoul National University Bundang Hospital, Seongnam, Gyeonggi, Korea (the Republic of); <sup>6</sup>Pediatrics, Seoul National University College of Medicine, Seongnam, Gyeonggi, Korea (the Republic of).
- 184 426 *INFANT FEEDING PRACTICES AMONG FAMILIES IN INNER CITY, LOW SOCIOECONOMIC COMMUNITIES.* Ayelet Rosenthal, Stephanie Oliveira, Uchenna Madubuko, Hanan Tanuos, Joseph Schwab, Iona Monteiro. Rutgers New Jersey Medical School, Newark, NJ, USA.
- 185 427 *ESSENTIAL FATTY ACID DEFICIENCY AFTER PARTIAL BILIARY DIVERSION FOR PFIC.* Irini Batsis<sup>1</sup>, Grace Felix<sup>1</sup>, Dylan Stewart<sup>2</sup>, Ann Scheimann<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>Pediatric Surgery, Johns Hopkins, Baltimore, MD, USA.
- 186 428 *HIGH N-6:N-3 FATTY ACID RATIOS IN PRETERM INFANTS FROM A COASTAL SAN DIEGO POPULATION DESPITE MATERNAL N-3 DIETARY ENRICHMENT.* Megha Koduri<sup>1</sup>, Hema Ramkumar<sup>1</sup>, Jae Kim<sup>4</sup>, Christian Metallo<sup>2</sup>, Oswald Quehenberger<sup>3</sup>, Shira Robbins<sup>1</sup>. <sup>1</sup>Department of Ophthalmology, University of California San Diego, La Jolla, CA, USA; <sup>2</sup>Department of Bioengineering, University of California San Diego, La Jolla, CA, USA; <sup>3</sup>Department of Pharmacology, University of California San Diego, La Jolla, CA, USA; <sup>4</sup>Department of Pediatrics, University of California San Diego, La Jolla, CA, USA.
- 187 429 *METHEMOGLOBINEMIA AND FAILURE TO THRIVE AS A RESULT OF FPIES TO SOY FORMULA WITH RESOLUTION ON AMINO ACID BASED FORMULA.* James Lee<sup>1</sup>, David Jones<sup>2</sup>. <sup>1</sup>Pediatrics, Brooke Army Medical Center, Ft. Sam Houston, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Brooke Army Medical Center, Ft. Sam Houston, TX, USA.
- 188 430 *MULTICENTER RANDOMISED-CONTROLLED TRIAL OF THE EVALUATION OF THE TOLERANCE AND SAFETY OF EARLY ENTERAL NUTRITION IN CHILDREN AFTER PERCUTANEOUS ENDOSCOPIC GASTROSTOMY PLACEMENT.* Jaroslaw Kierkus<sup>1</sup>, Anna Wiernicka<sup>1</sup>, Malgorzata Matuszczyk<sup>1</sup>, Szlagatys-Sidorkiewicz Agnieszka<sup>2</sup>, Toporowska-Kowalska Ewa<sup>3</sup>, Katarzyna Popinska<sup>4</sup>, Urszula Chlebowczyk-Grzybowska<sup>5</sup>, Ewa Hapyn<sup>6</sup>. <sup>1</sup>Department of Gastroenterology, The Children Memorial Health Institute, Warsaw, Poland; <sup>2</sup>Department of Pediatrics, Gastroenterology, Hepatology and Nutrition, Medical University of Gdansk, Gdansk, Poland; <sup>3</sup>Department of Alergology, Gastroenterology and Nutrition, Medical University, Lodz, Lodz, Poland; <sup>4</sup>Department of Pediatrics, Nutrition and Metabolic Disorders, The Children's Memorial Health Institute, Warsaw, Poland; <sup>5</sup>Department of Pediatrics, Medical University of Silesia, Katowice, Poland; <sup>6</sup>Department of Pediatrics and Gastroenterology, Area Hospital in Torun, Torun, Poland.

- 189 431 *INTERVENTION FOR FEEDING DIFFICULTIES IN CHILDREN WITH A COMPLEX MEDICAL HISTORY: A RANDOMIZED CLINICAL TRIAL.* Jeanne Marshall<sup>1,2</sup>, Rebecca Hill<sup>3</sup>, Meagan Jordan<sup>1</sup>, Pamela Dodrill<sup>1</sup>.  
<sup>1</sup>Speech Pathology, Children's Health Queensland, Brisbane, Queensland, Australia; <sup>2</sup>School of Health and Rehabilitation Sciences, The University of Queensland, Brisbane, Queensland, Australia; <sup>3</sup>Children's Nutrition Research Centre, The University of Queensland, Brisbane, Queensland, Australia.
- 190 432 *VITAMIN A SUPPLEMENTATION ASSOCIATED WITH IMPROVED RBC INDICES AND FETAL HEMOGLOBIN IN SUBJECTS WITH HGB SS DISEASE.* Jefferson Brownell, Joan Schall, Carolyn Mcanlis, Kimberly Smith-Whitley, Cynthia Norris, Virginia Stallings. Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 191 433 *CHILDHOOD OBESITY PREVENTION IN WIC: OUTCOMES OF THE MA-CORD STUDY.* Jennifer Woo Baidal<sup>1</sup>, Candace Nelson<sup>2</sup>, Meghan Perkins<sup>4</sup>, Rachel Colchamiro<sup>2</sup>, Peggy Leung-Strle<sup>2</sup>, Jo-Ann Kwass<sup>2</sup>, Steve Gortmaker<sup>3</sup>, Kirsten Davison<sup>3</sup>, Elsie Taveras<sup>4</sup>. <sup>1</sup>Pediatric GI/Hepatology/Nutrition, Columbia University Medical Center, New York, NY, USA; <sup>2</sup>Massachusetts Department of Public Health, Boston, MA, USA; <sup>3</sup>Harvard TH Chan School of Public Health, Boston, MA, USA; <sup>4</sup>Pediatrics, MassGeneral Hospital for Children, Boston, MA, USA.
- 192 434 *LACTIC ACIDOSIS SECONDARY TO THIAMINE DEFICIENCY.* Jessica Chang<sup>1</sup>, Jessica Hochberg<sup>2</sup>, Dana Goldner<sup>3</sup>, Gwenn McLaughlin<sup>1</sup>. <sup>1</sup>Pediatric Intensive Care, Jackson Memorial Hospital, Miami, FL, USA; <sup>2</sup>Pediatrics, Jackson Memorial Hospital/University of Miami, Miami, FL, USA; <sup>3</sup>Gastroenterology, University of Miami, Miami, FL, USA.
- 193 435 *WERNICKE ENCEPHALOPATHY IN A PEDIATRIC PATIENT WITH DYSPHAGIA.* Lauren Mullinax, Leah Siebold. Pediatric Gastroenterology, Children's Hospital of Pittsburgh at UPMC, Pittsburgh, PA, USA.
- 194 436 *MANAGING MEDNIK SYNDROME ASSOCIATED INTESTINAL FAILURE: A BALANCE BETWEEN ZINC AND COPPER.* Lina Diaz Calderon, Clarivet Torres. Pediatric Gastroenterology, Hepatology and Nutrition, Children's National Medical Center, Washington, USA.
- 195 437 *PREVALENCE AND RISK FACTORS OF VITAMIN B12 DEFICIENCY AMONG CHILDREN WITH INTESTINAL FAILURE: A CASE CONTROL STUDY.* Lissette Jimenez<sup>1,3</sup>, Brittany Depaula<sup>1,3</sup>, Alexandra N. Carey<sup>1,3</sup>, Sharon Collier<sup>1,3</sup>, Megan McGivney<sup>3</sup>, Danielle Stamm<sup>3</sup>, Biren Modi<sup>2,3</sup>, Paul Mitchell<sup>4</sup>, Christopher Duggan<sup>1,3</sup>.  
<sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Department of Surgery, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Center for Advanced Intestinal Rehabilitation (CAIR), Boston Children's Hospital, Boston, MA, USA; <sup>4</sup>Institutional Centers for Clinical and Translational Research, Boston Children's Hospital, Boston, MA, USA.
- 196 438 *NORMAL SOMATIC GROWTH IN THE CONTEXT OF MULTIPLE MICRONUTRIENT DEFICIENCIES IN AN ADOLESCENT FEMALE WITH SHORT BOWEL SYNDROME.* Megan McGivney<sup>1</sup>, Danielle Stamm<sup>1</sup>, Brittany Depaula<sup>1,2</sup>, Christopher Duggan<sup>2,1</sup>. <sup>1</sup>Center for Advanced Intestinal Rehabilitation, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA, USA.
- 197 439\* *FIBROBLAST GROWTH FACTOR 19 SECRETION IN HEALTHY TERM AND PRETERM INFANTS.* Naureen Memon<sup>1,2</sup>, Chris Lee<sup>2</sup>, Aimee Herdt<sup>2</sup>, Barry Weinberger<sup>3</sup>, Thomas Hegyi<sup>4</sup>, Mary Carayannopoulos<sup>4</sup>, Lauren Aleksunes<sup>5</sup>, Grace Guo<sup>5</sup>. <sup>1</sup>Pediatrics, Goryeb Children's Hospital, Morristown, NJ, USA; <sup>2</sup>MidAtlantic Neonatology Associates, Morristown, NJ, USA; <sup>3</sup>Pediatrics, Cohen Children's Medical Center of NY, Hyde Park, NY, USA; <sup>4</sup>Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA; <sup>5</sup>Rutgers University, Piscataway, NJ, USA.

**PANCREAS/CELIAC/MALABSORPTION**

- 198 440 *TWO CASES OF PERNICIOUS ANEMIA IN TEENAGE MALES WITH LOWER EXTREMITY WEAKNESS.* Amanda Glinky<sup>1</sup>, Patricio Arias<sup>1,2</sup>, Neha Santucci<sup>1,2</sup>. <sup>1</sup>Pediatrics, Louisiana State University Health Sciences Center, New Orleans, LA, USA; <sup>2</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital, New Orleans, LA, USA.
- 199 441 *NOT SO TUFT: DIAGNOSING CONGENITAL TUFTING ENTEROPATHY BEFORE VISIBLE TUFTING.* Lauren Klein<sup>1</sup>, Shrey Purohit<sup>2</sup>, Alisha Mavis<sup>3</sup>, Richard Noel<sup>3</sup>, Narayanan Venkatasubramani<sup>3</sup>. <sup>1</sup>Pediatrics, Duke University Medical Center, Durham, NC, USA; <sup>2</sup>Internal Medicine and Pediatrics, Duke University Medical Center, Durham, NC, USA; <sup>3</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Duke University Medical Center, Durham, NC, USA.
- 200 442 *GASTROINTESTINAL INVOLVED LANGERHANS CELL HISTIOCYTOSIS IN AN INFANT WITH FAILURE TO THRIVE.* Lauren Staiger<sup>1</sup>, Ashleigh Felpel<sup>2</sup>, Joseph Gramling<sup>1</sup>. <sup>1</sup>Pediatrics, Madigan Army Medical Center, Tacoma, WA, USA; <sup>2</sup>Pathology, Madigan Army Medical Center, Tacoma, WA, USA.
- 201 443 *MIRAGE SYNDROME: A RARE DIAGNOSIS PRESENTING AS REFRACTORY INFANTILE CHRONIC DIARRHEA.* Debra Okafor<sup>2</sup>, Leina Alrabadi<sup>1</sup>, Lauren Jeffries<sup>3</sup>, James McGrath<sup>3</sup>, Arik Alper<sup>1</sup>, Anthony Porto<sup>1</sup>. <sup>1</sup>Department of Pediatric Gastroenterology & Hepatology, Yale University, New haven, CT, USA; <sup>2</sup>Pediatrics, Yale University School of Medicine, New Haven, CT, USA; <sup>3</sup>Genetics, Yale University School of Medicine, New Haven, CT, USA.
- 202 444 *PANCREATIC EPITHELIAL CELL, BUT NOT IMMUNE CELL CALCINEURIN MEDIATES ACUTE PANCREATITIS.* Li Wen, Tanveer Javed, Rebecca Brown, Craig Byersdorfer, Sohail Husain. Pediatrics, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, USA.
- 203 445 *USE OF LIPASE AND ALANINE TRANSAMINASE TO PREDICT ACUTE GALLSTONE PANCREATITIS IN THE PEDIATRIC POPULATION.* Maisam Abu-El-Haija<sup>1</sup>, Tom Lin<sup>1</sup>, Soofia khan<sup>1</sup>, Lin Fei<sup>1</sup>, Tyler Thompson<sup>1</sup>, Jaimie Nathan<sup>2</sup>. <sup>1</sup>Pediatrics, Cincinnati Children's Medical Center, Cincinnati, OH, USA; <sup>2</sup>surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 204 446 *A NOVEL ENTEROID MODEL OF CONGENITAL TUFTING ENTEROPATHY SHOWS PHENOTYPIC DEFECTS AND ALTERATIONS IN ULTRASTRUCTURE.* Kevin Okamoto<sup>1</sup>, Matt McGeough<sup>1</sup>, Nassim Durali<sup>1</sup>, Philip Kozan<sup>1</sup>, Ron Marchelletta<sup>1</sup>, Soumita Das<sup>1</sup>, Mamata Sivagnanam<sup>1,2</sup>. <sup>1</sup>UCSD, La Jolla, CA, USA; <sup>2</sup>Rady Children's Hosp, San Diego, CA, USA.
- 205 447 *FOLLOW UP CARE IN PEDIATRIC PATIENTS WITH CELIAC DISEASE: QUALITY IMPROVEMENT PROJECT.* Erin Crawford, Maricruz Crespo, Thomas Sferra. Pediatric Gastroenterology, Hepatology, and Nutrition, University Hospital-Rainbow Babies & Children's Hospital, Cleveland, OH, USA.
- 206 448 *SCHWACHMAN DIAMOND IN THE ROUGH: A STORY OF NEONATAL FAILURE TO THRIVE AND NEUTROPENIA.* Marisa Gallant, JASON SODEN. Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Colorado, Denver, CO, USA.
- 207 449 *PAIN RESOLUTION WITH GOOD GLUCOSE CONTROL IN PEDIATRIC PATIENTS WITH CHRONIC PANCREATITIS AFTER TOTAL PANCREATECTOMY WITH ISLET CELL AUTOTRANSPLANTATION.* Mark Kijek<sup>1</sup>, Natalie Fillman<sup>1</sup>, Lindsay Basto<sup>1</sup>, Karolina Golab<sup>1</sup>, Agata Krenc<sup>1</sup>, Kamil Cieply<sup>1</sup>, Evelyn Konsur<sup>1</sup>, Julia Solomina<sup>1</sup>, Ling-jia Wang<sup>1</sup>, Martin Tibudan<sup>1</sup>, Ruba Azzam<sup>2</sup>, Andres Gelrud<sup>3</sup>, Jeffrey Matthews<sup>1</sup>, Piotr Witkowski<sup>1</sup>. <sup>1</sup>Department of Surgery, University of Chicago, Chicago, IL, USA; <sup>2</sup>Department of Pediatrics, University Of Chicago, Chicago, IL, USA; <sup>3</sup>Department of Medicine, University Of Chicago, Chicago, IL, USA.

- 208 450 *ACCURACY OF SEROLOGIC MARKERS IN THE SCREENING OF CELIAC DISEASE IN CHILDREN WITH TYPE 1 DIABETES MELLITUS: A RETROSPECTIVE ANALYSIS FROM A TERTIARY CENTER.* Mary Ayers<sup>2</sup>, Sophia Patel<sup>1</sup>, Sumana Narasimhan<sup>3</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>Pediatrics, Cleveland Clinic, Cleveland, OH, USA; <sup>3</sup>Pediatric Endocrinology, Cleveland Clinic, Cleveland, OH, USA.
- 209 451 *PRELIMINARY FINDINGS OF A PROSPECTIVE STUDY CHARACTERIZING THE PSYCHOSOCIAL AND COGNITIVE FUNCTIONING OF YOUTH WITH CELIAC DISEASE.* Mary Shull<sup>1</sup>, Rose Schroedl<sup>2</sup>, Ivor Hill<sup>1</sup>. <sup>1</sup>GI, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Psychology, Nationwide Children's Hospital, Columbus, OH, USA.
- 210 452 *FREQUENCY AND PRESENTATION OF PEDIATRIC NON-CELIAC GLUTEN SENSITIVITY IS SIMILAR TO ADULTS.* Stephanie Camhi<sup>1,2</sup>, Kajal Sangal<sup>3</sup>, Victoria Kenyon<sup>1,2</sup>, Rosiane Lima<sup>1,2</sup>, Alessio Fasano<sup>1,2,4</sup>, Maureen Leonard<sup>1,2,4</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, MassGeneral Hospital for Children, Boston, MA, USA; <sup>2</sup>Center for Celiac Research and Treatment, MassGeneral Hospital for Children, Boston, MA, USA; <sup>3</sup>Boston University School Of Medicine, Boston, MA, USA; <sup>4</sup>Pediatrics, Harvard Medical School, Boston, MA, USA.
- 211 453 *NINE-YEAR-OLD WITH AUTOIMMUNE PANCREATITIS AND EXOCRINE PANCREATIC INSUFFICIENCY.* Megha Mehta<sup>1,2</sup>, Isabel Rojas<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Texas Southwestern Medical Center, Dallas, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Children's Health, Dallas, TX, USA.
- 212 454 *CONGENITAL TUFTING ENTEROPATHY AND PROTEIN ALLERGY: AN UNUSUAL PRESENTATION.* Megha Mehta<sup>1,2</sup>, Sarah Barlow<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Texas Southwestern Medical Center, Dallas, TX, USA; <sup>2</sup>Pediatric Gastroenterology, Children's Health, Dallas, TX, USA.
- 213 455 *ACUTE PANCREATITIS IN A PATIENT WITH DIABETIC KETOACIDOSIS AND SICKLE CELL VASO-OCCLUSIVE CRISIS.* Chionye Ossai, Mohamed Hamza, Mario Peichev, Radha Nathan, Kusum Viswanathan. Pediatrics, Brookdale University Hospital and Medical Center, Brooklyn, NY, USA.
- 214 456 *CHYLOMICRON RETENTION DISEASE: A CASE OF INFANT PRESENTING WITH VOMITING AND FAILURE TO THRIVE WITHOUT DIARRHEA.* Megan Woods, Sandhya Parkash, Smriti Chowdhury, Mohsin Rashid. Department of Paediatrics, Dalhousie University, Halifax, NS, Canada.
- 215 457 *EVALUATION OF LINACLOTIDE AS RESCUE THERAPY FOR INTESTINAL DISEASE IN CF.* SHRUTI DESAI<sup>1</sup>, Md Kaimul Ahsan<sup>1</sup>, CRAIG HODGES<sup>2</sup>, Nadia Ameen<sup>1</sup>. <sup>1</sup>Pediatrics, Yale School Medicine, New Haven, CT, USA; <sup>2</sup>Pediatrics, Case Western University, Cleveland, OH, USA.
- 216 458 *A 2-YEAR-OLD MALE WITH A MYSTERIOUS PANCREATIC MASS LEADING TO A RARE DIAGNOSIS: A CASE REPORT.* Natalie Bhesania<sup>1</sup>, Deepa Patil<sup>2</sup>, E. Rene Rodriguez<sup>4</sup>, Kadakkal Radhakrishnan<sup>1</sup>, matthew walsh<sup>3</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Department of Anatomic Pathology, Cleveland Clinic, Cleveland, OH, USA; <sup>3</sup>Department of Surgery, Cleveland Clinic, Cleveland, OH, USA; <sup>4</sup>Department of Cardiovascular Pathology, Cleveland Clinic, Cleveland, OH, USA.
- 217 459 *IS SIX MONTHS OF GLUTEN-FREE DIET ENOUGH FOR REMINERALISATION OF BONE IN CHILDREN WITH CELIAC DISEASE?* Nelgin Gerenli<sup>1</sup>, Fatma Dursun<sup>2</sup>, Coskun Celtik<sup>3</sup>. <sup>1</sup>pediatric Gastroenterology, University of Health Sciences, Umraniye training hospital, Istanbul, Turkey; <sup>2</sup>Pediatric Endocrinology, Health Sciences University, Umraniye Training Hospital, Istanbul, Turkey; <sup>3</sup>Pediatric Gastroenterology, Health Sciences University, Umraniye Training Hospital, Istanbul, Turkey.

218 460 *SYSTEMIC LUPUS ERYTHEMATOSUS PRESENTING WITH PROTEIN LOSING ENTEROPATHY.* Pallabi Guha<sup>1</sup>, Stefany Honigbaum<sup>2</sup>, Emily Way<sup>3</sup>, Suchitra Hourigan<sup>1,2</sup>, Courtney Port<sup>1</sup>. <sup>1</sup>Pediatrics, Inova Fairfax Children's Hospital, Fairfax, VA, USA; <sup>2</sup>Gastroenterology, Pediatric Specialists of Virginia, Fairfax, VA, USA; <sup>3</sup>Rheumatology, Pediatric Specialists of Virginia, Fairfax, VA, USA.

219 461 *ACUTE PANCREATITIS SECONDARY TO PAPILLARY STENOSIS IN A PATIENT WITH CELIAC DISEASE IN REMISSION.* Patrick Lin, Jaime Wolfe. Gastroenterology, Children's National Medical Center, Washington, USA.

#### APGNN

220 462 *PATIENT AND PARENT/CARER SATISFACTION SCORING: COMPARISON BETWEEN A VALIDATED PEDIATRIC SCORING QUESTIONNAIRE AND NRC/PICKER® RESPONSE IN A PEDIATRIC DAYCASE ENDOSCOPY SETTING.* Jennifer Walden<sup>1</sup>, Priya Narula<sup>2</sup>, Thomas Attard<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Mercy Hospital/University of Missouri Kansas City, Kansas City, MO, USA; <sup>2</sup>Gastroenterology, Sheffield Children's Hospital, Sheffield, United Kingdom.

221 463 *THE UTILITY OF DISACCHARIDASE TESTING.* Lindsay Wilson, Esther Kang, Terri Reagan. Pediatric Gastroenterology, Hepatology and Nutrition, Johns Hopkins Children's Center, Baltimore, MD, USA.

222 464 *"TROUBLESOME" TUBES: A DESCRIPTIVE ANALYSIS OF ENTERAL TUBE COMPLICATIONS AND NURSING INTERVENTIONS IN PEDIATRIC PATIENTS.* Lori Parker-Hartigan, Fiona Paul. GI, Boston Children's Hospital, Arlington, MA, USA.

223 465 *PROCESS IMPROVEMENT FOR PHONE CALL MANAGEMENT IN A PEDIATRIC GASTROENTEROLOGY OFFICE: THE GOOD, THE BAD AND THE UGLY.* Kimberly Dietrich, Julia Anderson, Renee Fages, Krista Kissinger, Carrie Romano, Angela Turner. Gastroenterology, Cincinnati Children's Hospital, Cincinnati, OH, USA.

224 466 *COLONOSCOPY UNIVERSAL CORD LOWER BACK ANCHORING BELT.* Abdul Shahein, Melissa Severyn. Pediatric Gastroenterology, Woman and Children Hospital of Buffalo, Buffalo, NY, USA.

225 467 *PDSA: LIDOCAINE & BENZOCAINE FOR ANESTHETIC USE DURING PH PROBE INSERTION IN PEDIATRIC PATIENTS.* David Murchio. Pediatric Gastroenterology, University of New Mexico Hospital, Albuquerque, NM, USA.

226 468 *IMPORTANCE OF NURSING OBSERVATIONS IN THE INTERPRETATION OF MANOMETRY TESTING IN CHILDREN: A CASE SERIES.* Roberta Chaney<sup>1</sup>, Charmaign Albright<sup>1</sup>, Denise Howe<sup>1</sup>, Peter Lu<sup>1</sup>, Desale Yacob<sup>1</sup>, Mhd Louai Manini<sup>1,2</sup>, Karla Vaz<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>Division of Gastroenterology, Mayo Clinic, Rochester, MN, USA.

227 469 *THE USE OF TRANSANAL IRRIGATIONS (TAI) IN PEDIATRIC PATIENTS WITH ORGANIC DEFECATORY DISORDERS.* Fiona Paul, Amelia Sparrow. GI, Boston Children's Hospital, Boston, MA, USA.

228 470 *A TEAM APPROACH TO CONSTIPATION MANAGEMENT: DEFECATION DISORDERS CENTER.* Susan Peck<sup>1,2</sup>, Kari Baber<sup>1,2</sup>, Ritu Verma<sup>1,2</sup>. <sup>1</sup>Division of Gastroenterology, Lustgarten Motility Center, Philadelphia, PA, USA; <sup>2</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA.

229 471 *QUALITY IMPROVEMENT IN PEDIATRIC INFLAMMATORY BOWEL DISEASE: A SUCCESSFUL STRATEGY TO IMPROVE DISEASE-SPECIFIC KNOWLEDGE IN PATIENTS AND PARENTS.* Christine Pasquarella, Jill Frawley, Katheen Raig, Praveen Kumar Conjeevaram Selvakumar, Lori Mahajan. Pediatric Gastroenterology, Cleveland Clinic Children's, Cleveland, OH, USA.

- 230 472 *IMPROVING CARE FOR OUR IBD POPULATION THROUGH THE NURSE PRACTITIONER-LED ANNUAL VISIT.* Elizabeth Yarger, Pam Morgan, Kelly Sandberg. Gastroenterology, Dayton Children's Hospital, Dayton, OH.

**MENTORED SUMMER STUDENT PROGRAM**

- 231 *MICROBIOME ANALYSIS OF ARCHIVED BIOPSY SAMPLES FROM CHILDREN WITH IBD.* Andrew Becker, MassGeneral Hospital for Children, Boston, MA



## CONCURRENT SESSION II

### Nutrition II

Friday, November 3

2:30pm – 4:00pm

Milano 5 - 6

Moderators: Maria Mascarenhas MBBS and Ann Scheimann MD, MBA

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#### 2:30 NUTRITION IN ACUTE PANCREATITIS

Amit Grover MD, Children's Hospital Boston

Learning objectives:

1. Demonstrate the increasing incidence in pediatric acute pancreatitis, as well as the existence of variability in management approaches surrounding nutrition
2. Update the learner on past and current literature in regards to nutritional therapies and management in pediatric acute pancreatitis
3. Present current clinical efforts being undertaken within the Pancreatic Disorders Program at Boston Children's Hospital, specifically development of EBG's; as well as the efforts of the NASPGHAN Pancreas Committee in national guideline development

- 3:00 473 - EARLY PREDICTORS OF SEVERE ACUTE PANCREATITIS IN A PROSPECTIVE PEDIATRIC COHORT. David Vitale<sup>1</sup>, Lindsey Hornung<sup>2</sup>, Tom Lin<sup>1</sup>, Tyler Thompson<sup>1</sup>, Jaimie Nathan<sup>3</sup>, Maisam Abu-El-Haija<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, 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>Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.

#### 3:12 ADVANCING ORAL-INTAKE AMONG CHILDREN WITH FOOD REFUSAL AND FEEDING TUBE/FORMULA DEPENDENCE: A PARENT-MEDIATED MODEL OF CARE

Lindsey Burrell PhD, Emory University School of Medicine

Learning objectives:

1. Describe the potential contribution of medical and developmental factors in the development of feeding disorders
2. Discuss the prevalence and impact of pediatric feeding disorders on the child and family
3. Identify effective treatments to increase the volume of foods consumed and reduce reliance on formula/feeding tube to meet caloric needs
4. Discuss adaptations required for a parent-mediated model of care
5. Determine advantages and disadvantages to home-base, parent-mediated interventions for treatment of food refusal

#### **NASPGHAN Nutrition Prize**

- 3:42 474 - INCREASE IN BODY WEIGHT OF PATIENTS WITH CYSTIC FIBROSIS RECEIVING KALYDECO TREATMENT IS DUE TO INCREASE IN ADIPOSE TISSUE. Marialena Mouzaki<sup>1</sup>, Julia Avolio<sup>1</sup>, Katherine Griffin<sup>2</sup>, Felix Ratjen<sup>1</sup>, Elizabeth Tullis<sup>2</sup>, Tanja Gonska<sup>1</sup>. <sup>1</sup>Pediatrics, Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Medicine, University of Toronto, Toronto, ON, Canada.

## CONCURRENT SESSION II

### Liver I

Friday, November 3

2:30pm – 4:00pm

Augustus 5 - 6

Moderators: Shikha Sundaram MD and Dellys Soler MD

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- 2:30 PEDIATRIC HEPATITIS C: THE CURRENT LANDSCAPE AND FUTURE HORIZONS  
Norberto Rodriguez Baez MD, UT Southwestern Medical Center  
Learning objectives:
1. Describe the epidemiology and natural history of HCV infection in children
  2. Review the recommendations for monitoring children with HCV infection
  3. Examine the effectiveness and safety of new treatments for HCV infection
- 3:00 475 - THE COMBINATION OF ENTECAVIR AND PEGINTERFERON ALFA-2A IN HBEAG-POSITIVE IMMUNE-TOLERANT (IT) CHILDREN AND ADOLESCENTS WITH CHRONIC HEPATITIS B VIRUS (HBV) INFECTION: RESULTS OF THE HBRN PEDIATRIC IT TRIAL. Philip Rosenthal<sup>1</sup>, Simon Ling<sup>2</sup>, Steven Belle<sup>3</sup>, Karen Murray<sup>4</sup>, Norberto Rodriguez-Baez<sup>5</sup>, Sarah Schwarzenberg<sup>6</sup>, Jeffrey Teckman<sup>7</sup>, Kathleen Schwarz<sup>8</sup>. <sup>1</sup>Pediatrics, UCSF, San Francisco, CA, USA; <sup>2</sup>Pediatrics, University of Toronto, Toronto, ON, Canada; <sup>3</sup>Epidemiology, University of Pittsburgh, Pittsburgh, PA, USA; <sup>4</sup>Pediatrics, Seattle Children's, Seattle, WA, USA; <sup>5</sup>Pediatrics, Children's Medical Center Dallas, Dallas, TX, USA; <sup>6</sup>Pediatrics, University Minnesota Amplatz Children's Hospital, Minneapolis, MN, USA; <sup>7</sup>Pediatrics, Saint Louis University, Saint Louis, MO, USA; <sup>8</sup>Pediatrics, Johns Hopkins, Baltimore, MD, USA.
- 3:12 TO B OR NOT TO B? WHAT'S HOT WITH THIS PESKY VIRUS!  
Regino Gonzalez Peralta MD, University of Florida  
Learning objectives:
1. Review epidemiology and natural history of HBV
  2. Discuss currently available HBV therapies
  3. Examine forthcoming HBV treatment strategies
- 3:42 476 - CASPASE 1 MEDIATES EXACERBATED HEPATOCELLULAR INJURY IN A STEATOTIC LIVER UNDERGOING ISCHEMIA REPERFUSION INJURY. Chrissy Lopez, Vasantha Kolachala, Ming Shen, Dmitry Shayakhmetov, Nitika Gupta. Department of Pediatrics, Emory University, Atlanta, GA, USA.

## CONCURRENT SESSION II

### Aerodigestive

Friday, November 3

2:30pm – 4:00pm

Augustus 1 - 2

Moderators: Scott Pentiuik MD and Richard Noel MD

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2:30 PICKY EATERS VS. PROBLEM FEEDERS: PEDIATRIC FEEDING AVERSION THROUGH A DEVELOPMENTAL LENS

Laura Slosky PhD, Children's Mercy Hospital

Learning objectives:

1. Identify at least three characteristics of problem feeders in infancy and early childhood
2. Identify at least three characteristics of problem feeders in latency age children
3. Identify behavior as a form of communication between the child and the treatment team
4. Identify at least three common etiologies and common front line interventions for feeding aversions

### Neurogastroenterology and Motility Prize – Basic Science

2:56 477 - THE OROPHARYNX RATHER THAN THE STOMACH IS THE PRIMARY DRIVER OF LUNG MICROBIOME CHANGES IN ASPIRATING CHILDREN. Claire Duvallet<sup>2</sup>, Scott Snapper<sup>1</sup>, Ann Lee<sup>1</sup>, Eric Alm<sup>2</sup>, Rachel Rosen<sup>1</sup>. <sup>1</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Massachusetts Institute of Technology, Cambridge, MA, USA.

3:08 OROPHARYNGEAL DYSPHAGIA: A FLUID SITUATION

Rachel Rosen MD, Boston Children's Hospital

Learning objectives:

1. To understand the differential diagnosis of children with oropharyngeal dysphagia
2. To understand the strengths and weaknesses of diagnostic testing for oropharyngeal dysphagia
3. To understand the natural history and outcomes of therapies for oropharyngeal dysphagia

3:34 ALL THAT GLITTERS IS NOT GER: WHAT THE ENT SEES THROUGH THEIR REFLUX COLORED GLASSES...

Melanie Greifer MD, New York University, Langone Medical Center

Learning objectives:

1. Identify and classify the various laryngeal findings seen on direct laryngoscopy
2. Review the differential diagnosis based on clinical and laryngeal findings
3. Learn the various scores and instruments in classifying laryngeal symptoms and severity and their diagnostic use
4. Discuss the utility of medical and surgical intervention for clinical and laryngeal findings

## CONCURRENT SESSION II

### Endoscopy I

Friday, November 3

2:30pm – 4:00pm

Milano 3

Moderators: Yolanda Rivas MD and Danielle Usatin MD

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- 2:30 COLONOSCOPY TEACHING: PRINCIPLES OF TRAINING THE TRAINER  
Kevin Waschke MD, McGill University  
Learning objectives:
1. Describe a framework for training in the clinical setting
  2. Provide feedback to learners that improves performance
  3. Take steps to avoid cognitive overload in teaching
- 3:00 478 - IMPACT OF TRAINEES ON SAFETY AND EFFICIENCY OF PEDIATRIC ENDOSCOPY. Jacob Mark<sup>1,2</sup>, Robert Kramer<sup>1,2</sup>. <sup>1</sup>Digestive Health Institute, Children's Hospital Colorado, Denver, CO, USA; <sup>2</sup>Section of Pediatric Gastroenterology, Hepatology, and Nutrition, Department of Pediatrics, University of Colorado School of Medicine, Denver, CO, USA.
- 3:12 ENDOSCOPIC ULTRASOUND IN PEDIATRICS: SOUNDS COOL  
David Troendle MD, Children's Medical Center of Dallas  
Learning objectives:  
Upon completion of this session, the learner will be able to:
1. Describe technical aspects of endoscopic ultrasound to patients and consulting providers including patient preparation, equipment selection and basic technique
  2. Give an opinion on when endoscopic ultrasound is indicated and likely to be helpful for various clinical scenarios
  3. Communicate the risks associated with endoscopic ultrasound guided interventions to patients and consulting providers
- 3:42 479 - ESOPHAGEAL WALL THICKNESS IN CHILDREN. Simon Rabinowitz<sup>1</sup>, Katherine Vaidy<sup>1</sup>, Nonyelum Ebigbo<sup>3</sup>, Rachel Sklar<sup>1</sup>, Lisa Feng<sup>1</sup>, Evan Grossman<sup>2</sup>, Steven Schwarz<sup>1</sup>. <sup>1</sup>Pediatric GI, Children's Hospital at Downstate, Brooklyn, NY, USA; <sup>2</sup>Gastroenterology, Downstate Medical Center, Brooklyn, NY, USA; <sup>3</sup>Pediatrics, Richmond University Medical Center, Staten Island, NY, USA.

## CONCURRENT SESSION II

### Hot Topics: Treat to Target

Friday, November 3

2:30pm – 4:00pm

Augustus 3 - 4

Moderators: Dale Lee MD and KT Park MD

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- 2:30 IBD TREAT TO TARGET: TREAT THE PATIENT OR TREAT THE DISEASE  
Robert Baldassano MD, Children’s Hospital of Philadelphia  
Learning objectives:  
1. Understand the natural history of IBD with the use of conventional therapy  
2. Understand a new treatment target that aims to achieve and sustain both clinical remission and control of inflammation
- 2:56 480 - CD64 SUPPRESSION PREDICTS EARLY CLINICAL RESPONSE TO INFLIXIMAB INDUCTION. Phillip Minar, Kathryn Clarkson, Kimberly Jackson, Yi-Ting Tsai, Lee Denson. Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 3:08 CELIAC DISEASE: TREAT TO TARGET! WHERE SHOULD WE AIM AND HOW DO WE GET THERE?  
Ivor Hill MD Nationwide Children’s Hospital  
Learning objectives:  
1. Define what constitutes successful treatment in celiac disease  
2. Recognize the limitations of serological tests and symptoms for predicting mucosal recovery in celiac disease  
3. Debate the role of biopsies in the diagnosis and follow up of children with celiac disease
- NASPGHAN Foundation George Ferry Young Investigator Award**
- 3:34 EoE – TREAT TO TARGET: THE EOSINOPHIL - SHOULD WE LOOK DEEPER?  
Calies Menard Katcher MD, Children’s Hospital Colorado  
Learning objectives:  
1. Symptoms of EoE and histology do not always correlate  
2. Histology is an imperfect but important assessment of EoE  
3. Alternate tools may provide aggregate means of providing targeted assessments of disease status

## CONCURRENT SESSION II

### Advocacy

Friday, November 3

2:30pm – 4:00pm

Neopolitan 2

Moderators: Amethyst Kurgebov MD and Bryan Rudolph MD

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#### ADVOCACY IN A NEW ERA

Camille Bonta MHS, Summit Healthcare Consulting

Learning objectives:

At the conclusion of this session, participants should be able to:

1. List legislative and regulatory issues affecting the practice of pediatric gastroenterology
2. Describe some of the internal and external influences on federal lawmakers
3. Identify proactive steps physicians and other health care professionals can take to better position themselves in the policy making arena
4. Describe resources available to physicians and other health care professionals for communicating with policy makers
5. Distinguish among best practices for responding to federal and state legislative and regulatory threats

#### ADVOCATING FOR PRODUCT SAFETY: SAVING LIVES WITH YOUR DATA

Honorable Marietta Robinson, JD, U.S. Consumer Product Safety Commission

Learning objectives:

1. This presentation will provide a roadmap for practitioners on how to use and leverage their clinical data sets to enhance CPSC's own data which will ultimately lead to protecting children
2. Practitioners will be provided with practical information on:
  - a. How to report data to the CPSC;
  - b. How to participate in CPSC's regulatory process; and
  - c. How to engage with CPSC about emerging hazards.
3. Upon completion of this session, the attendees will have all the resources necessary to successfully advocate on various issues such as: emerging hazards, dangerous products, potential regulatory reform, and possible product recalls

## **AWARDS CEREMONY**

Friday, November 3  
4:15pm – 6:00pm  
Milano 3

Moderators: James Heubi MD and Barry Wershil MD

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### **INTRODUCTIONS AND WELCOME**

James Heubi MD, President, NASPGHAN

### **HARRY SHWACHMAN AWARD**

Presenter: Maria Oliva-Hemker MD

Recipient: Kathleen B. Schwarz MD

### **NASPGHAN DISTINGUISHED SERVICE AWARD**

Presenter: William Berquist MD

Recipient: Eric Sibley MD

### **AAP MURRAY DAVIDSON AWARD**

Presenter: Maria Mascarenhas MBBS

Recipient: Sarah Jane Schwarzenberg MD

### **THE NASPGHAN FOUNDATION AWARDS**

Barry Wershil MD, President, NASPGHAN Foundation

### **SPECIAL RECOGNITION AWARDS**

Teri Li Award

William Balistreri Prize

Grand Watkins Prize

Gerard Odell Prize

### **SUPPORTER RECOGNITION**

Barry Wershil MD

**NASPGHAN/CPNP Nutrition Symposium  
Friday, November 4, 2017**

7:00am – 5:00pm

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7:00am – 5:00pm      Joint Sessions with NASPGHAN/CPNP

6:00pm                      Reception                                      Neopolitan 2

## LASPGHAN PROGRAM

Friday, November 3  
6:00pm – 8:00pm  
Milano 5 - 6

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18:00-18:10	WELCOME
18:10-18:45	DEBATE 1: CHRONIC NAUSEA: ORGANIC OR FUNCTIONAL? Moderator: Dr Leonel Rodriguez Speakers: Dr Samuel Nurko vs. Dr Miguel Saps
18:45-19:05	STATE OF THE ART LECTURE: CELIAC DISEASE Speaker: Dr Marina Orsi
19:10-19:30	ABSTRACT PRESENTATIONS AND AWARDS 19:10-19:20 Abstract 1: Dr Erick Toro Monjaraz: <i>IMPEDANCE PH MONITORING IN CHILDREN WITH GASTROESOPHAGEAL REFLUX AND RESPIRATORY SYMPTOMS</i>  19:20-19:30 Abstract 2: Dr Martha Midory Rodriguez: <i>THROMBOPHILIA PROFILE IN PEDIATRIC PATIENTS WITH CIRRHOSIS AND LIVER FAILURE FROM THE PEDIATRICS HOSPITAL, AT THE WESTERN NATIONAL MEDICAL CENTER</i>
19:30-19:40	AWARDS
19:40-20:15	DEBATE 2: NAFLD: Moderator: Dr Norberto Rodriguez Dr Mercedes Martinez vs. Dr Rene Romero
20:15	Reception



**Saturday, November 4**  
**5K Run**  
**6:00am Registration    7:00am Race Starts**

**NASPGHAN 5K RUN/WALK**

NASPGHAN is holding its 4<sup>th</sup> annual 5K run/walk on Saturday morning, November 4. Registration will open at 6am for signing of waivers. Race will start at 7am. Due to the uniqueness of this race, it will not be timed. The fee includes a t-shirt and water. 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!

When: Saturday, November 4

Registration 6:00 Race Start Time: 7:00 AM

Where: The race start location is the Tour Departure area located at the entrance to the casino between Fizz and Colosseum and follows the pedestrian walkways along the Las Vegas strip. It does include stairs and escalators.

**APGNN Annual Meeting**  
Saturday November 4, 2017  
8:00am – 5:15pm  
Milano 1 - 2

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8:00am	BREAKFAST AND REGISTRATION
8:15am - 9:45am	IBD MODULE
8:15am - 9:00am	<p>UPDATE ON IBD MEDICATIONS Andrew Grossman MD, Children’s Hospital of Philadelphia Learning objectives:</p> <ol style="list-style-type: none"><li>1. Understand the various pharmacologic therapies used to treat IBD</li><li>2. Recognize the importance of nutritional therapy for IBD</li><li>3. Implement different treatment strategies (step up vs. top down approach)</li></ol>
9:00am - 9:45am	<p>PSYCHOLOGICAL HEALTH IN PEDIATRIC IBD: OPPORTUNITIES FOR MULTIDISCIPLINARY CARE Bonney Reed-Knight PhD, Emory University School of Medicine Learning objectives:</p> <ol style="list-style-type: none"><li>1. Describe psychosocial difficulties experienced by pediatric patients diagnosed with IBD</li><li>2. List evidence-based psychotherapies for pediatric anxiety, depression</li><li>3. Describe basic tenets of cognitive-behavioral therapy for anxiety and depression</li><li>4. Discuss treatment of anxiety and depression effectively with fellow providers and patients</li></ol>
9:45am - 10:00am	BREAK
10:00am -11:30am	MOTILITY MODULE
10:00am -10:30am	<p>CECOSTOMY AND CONE ENEMA Jason Dranove MD, Levine Children’s Hospital Learning objectives:</p> <ol style="list-style-type: none"><li>1. Understand the different types of cecostomy tubes (intermittent catheterization, indwelling button, Chait Cecostomy) and large volume enema types (cone enema and Peristeen)</li><li>2. Discuss patient most likely to benefit for cone enema or Peristeen and briefly discuss their use</li><li>3. Understand timing and advancement of flushes after placement of cecostomy</li><li>4. Understand the different types of cecostomy flush regimens available</li><li>5. Learn how to assess response to flushes and whether they are working</li><li>6. Identify some common complications of cecostomies</li></ol>
10:30am - 11:00am	<p>ESOPHAGEAL MOTILITY Samuel Nurko MD, Boston Children’s Hospital Learning objectives:</p> <ol style="list-style-type: none"><li>1. Identify indications for esophageal manometry testing</li><li>2. Gain a better understanding of the esophageal manometry procedure</li><li>3. Understand first line treatment for abnormal findings on manometry</li></ol>

11:00am -11:30am	<p><b>RUMINATION</b>  Julie Snyder Christiana Psy.D, Boston Children’s Hospital  Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Describe the rationale behind incorporating psychological/behavioral interventions into the treatment plan for a diagnosis of rumination</li> <li>2. Identify specific psychological strategies that can be utilized for the management of rumination syndrome</li> </ol>	
11:30am – 11:45am	<p><b>ZEBRA: RICKETT’S, ITCHING AND POOR FEEDING: WHAT’S THE COMMON LINK?</b>  Shabina Virani RN, MSN, CPNP  Learning objectives:</p> <ol style="list-style-type: none"> <li>1. Discuss different ways liver disease presents in the GI clinic</li> <li>2. Recognize cholestasis even if there is not jaundice present</li> </ol>	
11:45am - 12:30pm	<p><b>AWARDS/CONFERENCE WRAP UP</b>  Susan G Moyer Nursing Research Award  Excellence in Education  Posters of Distinction</p>	
12:30pm - 2:00pm	<p><b>LUNCH AND POSTERS</b></p>	
2:00pm -3:30pm	<p><b>CONCURRENT SESSION - RESEARCH SKILLS</b>  Moderators: Edaire Cheng MD and Michael Rosen MD</p> <p><b>PATHS TO SUCCESS IN CLINICAL TRANSLATIONAL RESEARCH</b>  Samuel Nurko MD and Rachel Rosen MD, Boston Children’s Hospital</p> <p><b>PATHS TO SUCCESS IN QUALITY IMPROVEMENT SCIENCE</b>  Shehzad Saeed MD, Dayton Children’s Hospital and Chelly Dykes MD, Cincinnati Children’s Hospital Medical Center</p>	Milano 5 - 6
3:30pm -3:45pm	<p><b>BREAK</b></p>	
3:45pm - 5:15pm	<p><b>CLINICAL PRACTICE FORUM: CREATING A HIGHLY RELIABLE  MULTIDISCIPLINARY TEAM</b>  <b>THE PEDIATRIC GASTROENTEROLOGIST AND MULTIDISCIPLINARY CARE</b>  Ricardo Caicedo MD, Levine Children's Hospital/Carolinas HealthCare System</p> <p><b>CREATING A CULTURE OF CARE</b>  Jennifer Schurman PhD, ABPP, BCB, Children's Mercy Hospital</p> <p><b>FIVE STRATEGIES FOR NAVIGATING AN MD/NP PARTNERSHIP IN A  MULTIDISCIPLINARY TEAM</b>  Robyn Robinson CPNP, CHOC Children's Gastroenterology and Nutrition</p> <p><b>OVERCOMING CHALLENGES TO MULTIDISCIPLINARY CARE: THE RD  PERSPECTIVE</b></p>	Octavius 11



**NASPGHAN/CPNP Nutrition Symposium**  
**Saturday, November 4, 2017**

7:00am – 5:00pm  
Neopolitan 3 and 4

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- 7:00am CONTINENTAL BREAKFAST AND BUSINESS MEETING
- 8:00am – 8:15am WELCOME  
Justine Turner MD, MPH, NASPGHAN Nutrition Committee Chair
- 8:15am - 9:10am CRITICAL CARE UPDATE: ASPEN/SCCM GUIDELINES  
Praveen Goday MD, Medical College of Wisconsin  
Heather Skillman RD, Children’s Hospital Colorado  
Learning objectives:  
1. Review the 2017 ASPEN Guidelines for nutrition in the critically ill child  
2. Examine the evidence base for the recommendations in the guidelines
- 9:15am - 10:10am ARSENIC AND SOY, OH BOY: WHAT IS THE SCIENCE AND WHAT DO WE ADVISE?  
Justine Turner MD, MPH, University of Alberta  
Wendy Elverson RD, LDN, Boston Children’s Hospital  
Learning objectives:  
1. Review current evidence and gaps in knowledge regarding arsenic and soy recommendations for infants and children  
2. Discuss how to address these concerns in practice
- 10:15am - 10:30am BREAK Exhibit Hall
- 10:30am - 12:00pm JOINT SESSIONS WITH NASPGHAN/APGNN
- 12:00pm - 1:00pm LUNCH/POSTER SESSION/EXHIBITS
- 1:00pm - 1:50pm NUTRITIONAL EVALUATION AND MANAGEMENT OF CHILDREN WITH FEEDING PROBLEMS DURING GASTROSTOMY TUBE WEANING  
Jessica Brown RD, CSP, CNSC, CLEC, Children's Hospital of Orange County  
Learning objectives:  
1. Review the implementation and monitoring of gastrostomy tube weaning in the pediatric population  
2. Discuss nutritional strategies used during the gastrostomy tube weaning process  
3. Identify resources for parent education on age-appropriate eating.
- 2:00pm -3:10 pm Breakout Sessions:  
(Each attendee will have option to pick (3) 20 minute sessions)
1. **Oral abstract presentations** Octavius 19  
Session 1  
CHILDHOOD OBESITY PREVENTION IN WIC: OUTCOMES OF THE MA-CORD STUDY  
Jennifer Woo Baidal  
PRELIMINARY EXPERIENCE OF THE MODIFIED ATKINS DIET FOR CHILDREN WITH PRADER-WILLI SYNDROME  
Grace Felix

Session 2

HIGH N-6:N-3 FATTY ACID RATIOS IN PRETERM INFANTS FROM A COASTAL SAN DIEGO POPULATION DESPITE MATERNAL N-3 DIETARY ENRICHMENT

Jae Kim

SYSTEMATIC REVIEW OF HYPERSENSITIVITY TO PARENTERAL NUTRITION, by  
Vikram Jacob Christian

Session 3

PREVALENCE AND RISK FACTORS OF VITAMIN B12 DEFICIENCY AMONG CHILDREN WITH INTESTINAL FAILURE: A CASE CONTROL STUDY

Lisette Jimenez

RISK FACTORS FOR COPPER DEFICIENCY IN PEDIATRIC INTESTINAL FAILURE PATIENTS RECEIVING PARENTERAL NUTRITION: A LONGITUDINAL ANALYSIS  
Megan McGivney

2. **Motivational interviewing Pearl for Practice:** Octavius 20  
**Application in Celiac disease**

Ann Scheimann MD, MBA, Johns Hopkins University Medical School

Learning objectives:

1. Review principles of MI including counseling skills
2. Discuss how to successfully implement MI with the Celiac patient

3. **Sharing patient education materials:** Apps, handouts, websites  
Topics: Obesity and inflammatory bowel disease Octavius 21

Abigail Lundin MS, RD, UCSF Benioff Children's Hospital of Oakland

Learning objectives:

1. Exchange ideas on treatment of obesity and IBD with social media, apps, website, and fitness trackers.
2. Discuss improving outcomes for educating patients/families by interactive sharing of education materials.

4. **Determining calorie, fluid and micronutrient needs for a** Octavius 22  
**child with severe special needs**

Patricia Novak, Nutrition Consultant

Learning objectives:

1. Review nutrient requirements for severely developmentally delayed child
2. Identify potential nutrient deficiencies
3. Discuss ways to implement nutrition recommendations

3:15pm - 5:00pm

**PEDIATRIC FEEDING DISORDERS: GUIDELINES**

Susanna Huh MD, Boston Children's Hospital

Colleen Lukens PhD, Children's Hospital of Philadelphia

Pamela Dodrill, PhD, CCC-SLP, Boston Children's Hospital

Learning objectives:

1. Review why a new definition for Pediatric Feeding Disorders is needed and explain the definition of Pediatric Feeding Disorder
2. Describe how adoption of this new paradigm will improve growth and nutrition outcomes in children with Pediatric Feeding Disorder
3. Describe the four integral domains involved: (1) Medical (2) Nutrition (3) Feeding skill (4) Psychosocial

**Saturday, November 4, 2017**

**7:00am – 8:00am MEET THE PROFESSOR BREAKFASTS (Registration Required)**

1. CHOLESTASIS IN THE PEDIATRIC PATIENT (in Spanish)  
Niviann Blondet MD and Ruben Quiros MD
2. USING SOCIAL MEDIA IN CLINICAL CARE RESPONSIBLY AND EFFECTIVELY  
John Pohl MD and Bryan Vartebedian MD
3. VERY EARLY ONSET IBD: SPECIAL CONSIDERATIONS IN DIAGNOSIS AND MANAGEMENT  
Subra Kugathasan MD and Judith Kelsen MD
4. QI IN NUTRITION  
Darla Shores MD and Shezad Saeed MD
5. CF LIVER DISEASE IN THE ERA OF CFTR MODULATION  
Alexander Weymann MD and Michael Narkewicz MD
6. BIOPSYCHOLOGICAL APPROACH TO FUNCTIONAL ABDOMINAL PAIN  
Ajay Kaul MD and Amanda Deacy PhD
7. ROLE OF ENDOSCOPY IN INTESTINAL BLEEDING  
Bradley Barth MD and Ben Sahn MD
8. MANAGEMENT OF ACUTE PANCREATITIS: CASE DISCUSSION  
Veronique Morinville MD and Matt Giefer MD

7:00am – 8:00am WOMEN IN MEDICINE: BREAKING THE GLASS CEILING  
Rina Singhavi MD and Jenifer Lightdale MD  
*(open to all registrants)*

Octavius 11

## CONCURRENT SESSION III

### Hot Topics II

Saturday, November 4, 2017

8:30am – 10:00am

Augustus 1 - 2

Moderators: Solange Heller MD and Stacy Kahn MD

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#### 8:30 BIOSIMILIARS IN IBD

Sandy Kim MD, Children's Hospital of Pittsburgh at UPMC

Learning objectives:

1. What are biosimilar agents?
2. Discuss biosimilar efficacy and safety in patients with IBD (adult and pediatric)
3. Review current guidelines for biosimilar use in patients with IBD
4. Discuss next steps in regards to incorporating biosimilar in our pediatric patients with IBD

#### Young Faculty Clinical Investigator Award

- 8:56 481 - FECAL MICROBIOTA TRANSPLANTATION IN PEDIATRIC CLOSTRIDIUM DIFFICILE INFECTION, A MULTI-CENTER STUDY. Maribeth Nicholson<sup>1</sup>, Erin Alexander<sup>2</sup>, Mark Bartlett<sup>2</sup>, Penny Becker<sup>3</sup>, Zev Davidovics<sup>3</sup>, Elizabeth Doby<sup>4</sup>, Michael Dole<sup>1</sup>, Grace Felix<sup>5</sup>, Jonathan Gisser<sup>6</sup>, Suchitra Hourigan<sup>7</sup>, Kyle Jensen<sup>4</sup>, Jess Kaplan<sup>8</sup>, Judith Kelsen<sup>9</sup>, Melissa Kennedy<sup>9</sup>, Sahil Khanna<sup>2</sup>, Jeffery Lewis<sup>10</sup>, Sonia Michail<sup>11</sup>, Maria Oliva-Hemker<sup>5</sup>, Tiffany Patton<sup>17</sup>, Karen Queliza<sup>14</sup>, David Suskind<sup>12</sup>, Solomon Aliza<sup>16</sup>, Steven Werlin<sup>13</sup>, Richard Kellermayer<sup>14</sup>, Stacy Kahn<sup>15</sup>. <sup>1</sup>Pediatrics, Vanderbilt University Medical Center, Nashville, TN, USA; <sup>2</sup>Pediatrics, Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Pediatrics, Connecticut Children's Hospital, Hartford, CT, USA; <sup>4</sup>Pediatrics, Primary Children's Hospital at University of Utah, Salt Lake City, UT, USA; <sup>5</sup>Pediatrics, Johns Hopkins Children's Center, Baltimore, MD, USA; <sup>6</sup>Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA; <sup>7</sup>Pediatrics, Inova Children's Hospital, Falls Church, VA, USA; <sup>8</sup>Pediatrics, MassGeneral Hospital for Children, Boston, MA, USA; <sup>9</sup>Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>10</sup>Pediatrics, Children's Center for Digestive Healthcare at Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>11</sup>Pediatrics, University of Southern California, Los Angeles, CA, USA; <sup>12</sup>Pediatrics, Seattle Children's Hospital at University of Washington, Seattle, WA, USA; <sup>13</sup>Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>14</sup>Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>15</sup>Pediatrics, Boston Children's Hospital, Boston, MA, USA; <sup>16</sup>Weill Cornell Medicine, New York, NY, USA; <sup>17</sup>Pediatrics, University of Chicago, Chicago, IL, USA.

#### 9:08 PROTON PUMP INHIBITORS: PROTECTIVE OR PROBLEMATIC?

Matthew Riley MD, Northwest Pediatric Gastroenterology LLC

Learning objectives:

1. Be aware of data of (non-)efficacy of PPIs in infants and children
2. Assess relevance of emerging adult safety data of PPIs to pediatrics
3. Balance safety and efficacy of PPIs in common clinical situations

#### 9:34 FECAL MICROBIAL TRANSPLANT: WHERE IS THE EVIDENCE?

Nikhil Pai MD, McMaster Children's Hospital

Learning objectives:

Upon completion of this session, the learner will be able to:

1. Evaluate the evidence for FMT in pediatric *C. difficile* colitis
2. Review current evidence for FMT in inflammatory bowel disease
3. Understand potential risks and benefits of FMT and how to apply this therapy to your patients

10:00 Break

Octavius Exhibit Hall



## CONCURRENT SESSION III

### Microbiome

Saturday, November 4, 2017

8:30am –10:00am

Augustus 5 - 6

Moderators: Alessio Fasano MD and Esi Lamousé- Smith MD

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- 8:30 THE MICROBIOME OF INFLAMMATORY BOWEL DISEASES: CHICKEN OR EGG?  
Richard Kellermayer MD, Baylor College of Medicine, Texas Children’s Hospital  
Learning objectives:  
1. Audience will be able to define the microbiome components relevant for IBD pathogenesis  
2. Audience will be able to identify key taxa associations of IBD  
3. Audience will be able to define important gaps in knowledge and future goals of microbiome research in IBD
- 8:56 484 - LACTOBACILLUS GG MODULATES INTESTINAL GENE EXPRESSION IN A MOUSE MODEL OF INFANT GASTROINTESTINAL TRACT MICROBIOME DYSBIOSIS. Jun Kwak<sup>2</sup>, Derek Orshan<sup>2</sup>, Tessa Tekieli<sup>1</sup>, Esi Lamousé-Smith<sup>2</sup>. <sup>1</sup>Biological Sciences, Columbia University, New York, NY, USA; <sup>2</sup>Pediatrics, Columbia University Medical Center, New York, NY, USA.
- 9:08 IRRITABLE BOWEL SYNDROME /FUNCTIONAL ABDOMINAL PAIN: DOES NOTHING WORK?  
Robert Shulman MD, Baylor College of Medicine, Texas Children’s Hospital  
Learning objectives:  
Upon completion of this session, the learner will be able to:  
1. Describe available treatments for irritable bowel syndrome and functional abdominal pain  
2. Assess literature estimates for the efficacy of different treatments
- 9:34 OF BUGS AND BILE: ROLE OF THE MICROBIOME IN NAFLD AND NASH  
Emily Perito MD, University of California, San Francisco, Benioff Children’s Hospital  
Learning objectives:  
1. Understand mechanisms by which the gut microbiome may contribute to NAFLD  
2. Assess microbiome-targeted therapy as NAFLD treatment
- 10:00 Break Octavius Exhibit Hall

## CONCURRENT SESSION III

### GI Potpourri

Saturday, November 4, 2017

8:30am – 10:00am

Augustus 3 - 4

Moderators: Carol Durno MD and Anthony Guerrero MD

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8:30 ROME IV: WHY SHOULD THE CLINICIAN CARE?

Carlo Di Lorenzo MD, Nationwide Children's Hospital

Learning objectives:

1. Illustrate the importance of symptoms-based criteria in condition with no biological markers
2. Emphasize the relevance of the Multidimensional Clinical Profile in the evaluation of the child with a functional disorder
3. Discuss different treatment strategies for childhood IBS based on different pathophysiological mechanisms

### Neurogastroenterology and Motility Prize – Clinical Science

8:56 485 - UTILITY OF WIRELESS CAPSULE MOTILITY IN CHILDREN WITH GASTROINTESTINAL DISORDERS. Leonel Rodriguez, Kitzia Colliard, Nicole Heinz, Samuel Nurko. GI/Nutrition, Boston Children's Hospital, Boston, MA, USA.

9:08 THE TUMBLING DICE OF PEDIATRIC COLON CANCER

Steve Erdman MD, Nationwide Children's Hospital

Learning objectives:

Upon completion of this session, the learner will be able to:

1. Distinguish key features of the presentation and family history that would place a patient at risk for gastrointestinal cancer
2. Apply current colon cancer screening guidelines and methodologies to high risk patient populations: Cancer Predisposition Syndromes, Immune deficiency syndromes and Inflammatory Bowel Disease
3. Recognize the importance of multidisciplinary involvement in the diagnosis and management pediatric patients with colorectal cancer

9:34 UTILIZATION OF MODERN GENETIC TESTING IN HEPATOLOGY: THE "KNOWN UNKNOWN"

Saul Karpen MD, Emory University

Learning objectives:

1. Understand the fundamental features of genetic test technologies available to clinicians
2. Develop an understanding of the power and complexities of whole exome and whole genome testing for patients, families and clinicians
3. Understand the language common to genetic testing reports—benign, pathogenic, VOUS, etc...
4. Determine when your approach to diagnosis and care may benefit from early incorporation of genetic testing i.e., genotype before phenotype

10:00 Break

Octavius Exhibit Hall

### CONCURRENT SESSION III

#### Video Abstract Symposium

Saturday, November 4, 2017

8:30am – 10:00am

Milano 5 - 6

Moderators: George Zacur MD and Marsha Kay MD

- 8:30 486 ABERRANT ARTERY IDENTIFIED DURING NECROSECTOMY FOR WALLED-OFF PANCREATIC NECROSIS. Karen Queliza, Douglas Fishman. Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA.
- 8:38 487 ENDOSCOPIC AND LAPAROSCOPIC COLLABORATION FOR THE REMOVAL OF A GASTRIC TRICHOBEZOAR. Keisha Barton<sup>1,2</sup>, Meredith Mason<sup>3</sup>, Sundeep Keswani<sup>4,2</sup>, Richard Kellermayer<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Texas Children's Hospital, Houston, TX, USA; <sup>3</sup>Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX, USA; <sup>4</sup>Pediatric Surgery, Baylor College of Medicine, Houston, TX, USA.
- 8:46 488 ENDOSCOPIC ULTRASOUND (EUS) GUIDED COIL PLACEMENT FOR TREATMENT OF GASTRIC VARICES. Roberto Gugig<sup>1,2</sup>. <sup>1</sup>UCSF, Visalia, CA, USA; <sup>2</sup>Stanford, Visalia, CA, USA.
- 9:04 489 ENDOSCOPIC MANAGEMENT POST-CHOLEDOCHODUODENOSTOMY FOR CHOLEDOCHAL CYSTS. Douglas Fishman<sup>1,3</sup>, Vignesh Ramachandran<sup>3</sup>, Kevin Shah<sup>3</sup>, Frances Lee<sup>1,3</sup>, Brent Keith<sup>5,6</sup>, Mark Mazziotti<sup>2,4</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Texas Childrens Hospital, Houston, TX, USA; <sup>2</sup>Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX, USA; <sup>3</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>4</sup>Pediatric Surgery, Texas Children's Hospital, Houston, TX, USA; <sup>5</sup>Gastroenterology, Hepatology and Nutrition, Children's Hospital of New Orleans, New Orleans, LA, USA; <sup>6</sup>Department of Pediatrics, LSU Health Sciences Center, New Orleans, LA, USA.
- 9:12 490 TECHNICAL APPROACH TO INFANT ERCP. Quin Liu<sup>1</sup>, Bradley Barth<sup>2</sup>, Douglas Fishman<sup>3</sup>, Tom Lin<sup>4</sup>, David Troendle<sup>2</sup>. <sup>1</sup>Gastroenterology, Cedars-Sinai Medical Center, Los Angeles, CA, USA; <sup>2</sup>UT Southwestern/Children's Health Medical Center, Dallas, TX, USA; <sup>3</sup>Texas Children Hospital/Baylor College of Medicine, Houston, TX, USA; <sup>4</sup>University of Cincinnati/Cincinnati Children's Medical Center, Cincinnati, OH, USA.
- 9:20 491 DUODENAL WEB REPAIR WITH ASSISTANCE OF ENDOSCOPIC VISUALIZATION. April Mathews<sup>1</sup>, Reinaldo Garcia-Naveiro<sup>2</sup>, Brandon Arnold<sup>1</sup>, Avraham Schlager<sup>3</sup>. <sup>1</sup>Medical Education, Akron Children's Hospital, Cuyahoga Falls, OH, USA; <sup>2</sup>Gastroenterology, Akron Children's Hospital, Akron, OH, USA; <sup>3</sup>Pediatric Surgery, Akron Children's Hospital, Akron, OH, USA.
- 9:28 492 CONVERSION OF CHAIT CECOSTOMY TO BALLOON DEVICE UNDER ENDOSCOPIC GUIDANCE. Mary Boruta, Leon Reinstein. Pediatrics, Duke University School of Medicine, Durham, NC, USA.
- 9:36 493 HIGH-GRADE PYLORIC STRICTURE WITH GASTRIC OUTLET OBSTRUCTION (GOO) TREATED WITH SERIAL ENDOSCOPIC BALLOON DILATION. Racha Khalaf<sup>1,2</sup>, Alyssa Woodard<sup>1</sup>, Alexander Wilsey<sup>4</sup>, Emily Swan<sup>4</sup>, Michael Wilsey<sup>3</sup>. <sup>1</sup>Medical Education, Johns Hopkins All Children's Hospital, Denver, CO, USA; <sup>2</sup>Gastroenterology, Hepatology and Nutrition, University of Colorado, Denver, CO, USA; <sup>3</sup>Gastroenterology, Hepatology and Nutrition, Johns Hopkins All Children's Hospital, St Petersburg, FL, USA; <sup>4</sup>Florida State University, Tallahassee, FL, USA.

- 9:42 494 FORCEP-ASSISTED INTUBATION OF ICV IN PEDIATRIC COLONOSCOPY. Robert Kramer<sup>1,2</sup>.  
<sup>1</sup>Pediatrics, University of Colorado, Aurora, CO, USA; <sup>2</sup>Pediatrics, Children's Hospital Colorado, Aurora, CO, USA.
- 9:50 495 UNSEDATED GASTRODUODENOSCOPY VIA G-TUBE STOMA FOR DIAGNOSIS OF  
DUODENAL WEB. Prasanna Kapavarapu<sup>1</sup>, David Gregg<sup>4</sup>, Keith Oldham<sup>2</sup>, Alfonso Martinez<sup>1</sup>, Joel  
Friedlander<sup>3</sup>, Diana Lerner<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital of Wisconsin,  
Wauwatosa, WI, USA; <sup>2</sup>Surgery, Children's Hospital of Wisconsin, Milwaukee, WI, USA; <sup>3</sup>Pediatric  
Gastroenterology, Children's Hospital of Colorado, Aurora, CO, USA; <sup>4</sup>Radiology, Children's  
Hospital of Wisconsin, Milwaukee, WI, USA.
- 10:00 Break Octavius Exhibit Hall

## CONCURRENT SESSION IV

### Obesity

Saturday, November 4, 2017

10:30am – 12:00pm

Milano 5 - 6

Moderators: David Brumbaugh MD and Jennifer Crouse MS, RD, CD, CDE

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#### 10:30 THE ROLE OF THE ENDOSCOPIST IN OBESITY

Shelby Sullivan MD, University of Colorado

Learning objectives:

1. Understand the risks and benefits of currently approved endoscopic bariatric therapies
2. Learn about new endoscopic bariatric therapies that are currently being studied
3. Learn about combination treatment with weight loss medications and endoscopic bariatric therapies

#### 11:00 496 - SYSTEMIC OVEREXPOSURE TO PROTON PUMP INHIBITORS IN OBESE CHILDREN: IS LEAN BODY WEIGHT BASED DOSING THE WAY TO GO? Valentina Shakhnovich<sup>1,2</sup>, Susan Abdel-Rahman<sup>2</sup>, Craig Friesen<sup>1</sup>, Weigel Jaylene<sup>2</sup>, Robin Pearce<sup>2</sup>, Andrea Gaedigk<sup>2</sup>, J. Steven Leeder<sup>2</sup>, Gregory Kearns<sup>3</sup>.

<sup>1</sup>Gastroenterology, Children's Mercy Kansas City, Kansas City, MO, USA; <sup>2</sup>Clinical Pharmacology, Toxicology and Therapeutic Innovation, Children's Mercy Kansas City, Kansas City, MO, USA; <sup>3</sup>Arkansas Children's Research Institute, Little Rock, AR, USA.

#### 11:12 MOTIVATIONAL INTERVIEWING IN PEDIATRIC OBESITY: WHY BOTHER?

Kelly Lowry PhD, Ann and Robert Lurie Children's Hospital

Learning objectives:

1. To review the existing literature on the use of MI in pediatric obesity
2. To review fundamental spirit and principles of MI including counseling skills
3. To recognize client change talk
4. To review options for action planning and goal setting in MI consistent methods

#### 11:42 497 - TLR4 IS RESPONSIBLE FOR METABOLIC IMPROVEMENT BUT NOT FOR WEIGHT REGULATION AFTER GASTRIC BYPASS. Marwa Abu El Haija<sup>1</sup>, Yuanchao Ye<sup>2</sup>, Steven McElroy<sup>3</sup>, Mohamad Mokadem<sup>2</sup>.

<sup>1</sup>Pediatric Gastroenterology, University of Iowa Hospitals and Clinics, Coralville, IA, USA; <sup>2</sup>Internal Medicine - Gastroenterology and Hepatology, University of Iowa Hospitals and Clinics, Iowa City, IA, USA; <sup>3</sup>Neonatology, University of Iowa Hospitals and Clinics, Iowa City, IA, USA.

## CONCURRENT SESSION IV

### Eosinophilic Esophagitis

Saturday, November 4, 2017

10:30am – 12:00pm

Augustus 1 - 2

Moderators: Chris Liacouras MD and Joshua Wechsler MD

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- 10:30 PPI USE IN ESOPHAGEAL EOSINOPHILIA: AGREEING TO DISAGREE BUT NOT BE DISAGREEABLE - RECOMMENDATIONS FROM THE RECENT AGREE CONFERENCE  
Glenn Furuta MD, Children's Hospital Colorado

#### Learning objectives

1. Understand controversy surrounding role of PPI in the evaluation of children and adults with suspected eosinophilic esophagitis
2. Recognize approach to evaluating patients with eosinophilic esophagitis

- 11:00 498 - CHARACTERIZATION OF CYP2C19\*17 POLYMORPHISMS AMONG CHILDREN WITH PPI RESPONSIVE ESOPHAGEAL EOSINOPHILIA AND EOSINOPHILIC ESOPHAGITIS. James Franciosi<sup>1,2</sup>, Carolina Gutiérrez Junquera<sup>3</sup>, Sonia Fernandez Fernandez<sup>4</sup>, Edward Mougey<sup>5</sup>, Hadeel Al-Atrash<sup>1,2</sup>, Andre Williams<sup>6</sup>, John Lima<sup>5</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Nemours Children's Hospital, Orlando, FL, USA; <sup>2</sup>Pediatrics, University of Central Florida College of Medicine, Orlando, FL, USA; <sup>3</sup>Unidad de Gastroenterología Pediátrica, Hospital Universitario Puerta de Hierro-Majadahonda C, Madrid, Spain; <sup>4</sup>Hospital Severo Ochoa-Leganés, Madrid, Spain; <sup>5</sup>Center for Pharmacogenomics and Translational Research, Nemours Health System, Jacksonville, FL, USA; <sup>6</sup>Center for Healthcare Delivery Science, Nemours Children's Health System, Jacksonville, FL, USA.

- 11:12 EOSINOPHILIC ESOPHAGITIS: NOW AN "OLDIE" - BUT WITH INCREASED INTEREST AND NEW RESEARCH, A "GOODIE"

Chris Liacouras MD, Children's Hospital of Philadelphia

#### Learning objectives:

1. Understand the different guidelines for eosinophilic esophagitis - US and Europe
2. Become familiar with research regarding possible new diagnostic methods for EoE
3. Become familiar with possible future medical therapy for EoE

#### APFED Outstanding EGID Abstract Award

- 11:42 499 - AGE-ASSOCIATED DECLINE IN ESOPHAGEAL AUTOPHAGY FLUX CONTRIBUTES TO FIBROSIS IN EOSINOPHILIC ESOPHAGITIS. Kelly Whelan<sup>1,2</sup>, Bridget Godwin<sup>3,5</sup>, Benjamin Wilkins<sup>4,5</sup>, Alain Benitez<sup>3</sup>, Maureen DeMarshall<sup>2</sup>, Gary Falk<sup>2</sup>, Amanda Muir<sup>3,5</sup>, Hiroshi Nakagawa<sup>2</sup>. <sup>1</sup>Department of Pathology and Laboratory Medicine, Temple University Lewis Katz School of Medicine, Philadelphia, PA, USA; <sup>2</sup>Division of Gastroenterology, University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>Division of Gastroenterology, Hepatology & Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Department of Pathology and Laboratory Medicine, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>5</sup>Department of Pediatrics, University of Pennsylvania, Philadelphia, PA, USA.

## CONCURRENT SESSION IV

### Liver II

Saturday, November 4, 2017

10:30am –12:00pm

Augustus 3 - 4

Moderators: Emily Perito MD and Nanda Kerkar MD

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- 10:30 ALTRUISTIC DONORS IN PEDIATRIC LIVER TRANSPLANTATION: HOW FAR IS TOO FAR?  
Vicky Ng MD, Hospital for Sick Children  
Learning objectives:  
1. To highlight current outcomes of living donor liver transplantation (LDLT) in children  
2. To define altruism in living donor  
3. To discuss risks/benefits of the role of altruistic donors in pediatric liver transplant programs
- 11:00 500 - TRENDS IN OUTCOMES BY ALLOGRAFT TYPE FOR PEDIATRIC LIVER TRANSPLANT RECIPIENTS IN THE PELD/MELD ERA. Douglas Mogul<sup>1</sup>, Xun Luo<sup>2</sup>, Eric Chow<sup>2</sup>, Allan Massie<sup>2</sup>, Kathleen Schwarz<sup>1</sup>, Andrew Cameron<sup>2</sup>, John Bridges<sup>3</sup>, Dorry Segev<sup>2</sup>. <sup>1</sup>Pediatrics, Johns Hopkins, Baltimore, MD, USA; <sup>2</sup>Surgery, Johns Hopkins, Baltimore, MD, USA; <sup>3</sup>School of Public Health, Johns Hopkins University, Baltimore, MD, USA.
- 11:12 POST-TRANSPLANT ADHERENCE: WHAT DOES PSYCHOLOGY HAVE TO DO WITH IT?  
Emily Fredericks PhD, CS Mott Children's Hospital, Michigan Medicine  
Learning objectives:  
1. Describe risk factors for nonadherence  
2. Identify real-world strategies for assessing and promoting adherence  
3. Describe ethical dilemmas related to post-transplant nonadherence
- 11:42 501 - VALIDATING THE MAYO MODEL OF PRIMARY SCLEROSING CHOLANGITIS OUTCOMES IN CHILDREN: DATA FROM THE PEDIATRIC PSC CONSORTIUM. Mark Deneau<sup>1</sup>, Reham Abdou<sup>2</sup>, Khaled Alqoaer<sup>3</sup>, Mansi Amin<sup>4</sup>, Achiya Amir<sup>5</sup>, Marcus Auth<sup>6</sup>, Fateh Bazerbachi<sup>7</sup>, Annemarie Broderick<sup>8</sup>, Albert Chan<sup>9</sup>, Matthew DiGuglielmo<sup>10</sup>, Wael El-Matary<sup>11</sup>, Mounif El-Youssef<sup>7</sup>, Federica Ferrari<sup>12</sup>, Katryn Furuya<sup>7</sup>, Madeleine Gottrand<sup>13</sup>, Frederic Gottrand<sup>13</sup>, Nitika Gupta<sup>14</sup>, Matjaz Homan<sup>15</sup>, Binita Kamath<sup>16</sup>, Kyung Mo Kim<sup>17</sup>, Kaija-Leena Kolho<sup>18</sup>, Anastasia Konidari<sup>19</sup>, Bart Koot<sup>20</sup>, Raffaele Iorio<sup>21</sup>, Cara Mack<sup>22</sup>, Mercedes Martinez<sup>23</sup>, Tamir Miloh<sup>24</sup>, Parvathi Mohan<sup>25</sup>, Alexandra Papadopoulou<sup>26</sup>, Amanda Ricciuto<sup>16</sup>, Lawrence Saubermann<sup>9</sup>, Pushpa Sathya<sup>27</sup>, Eyal Shteyer<sup>28</sup>, Vratislav Smolka<sup>29</sup>, Atushi Tanaka<sup>30</sup>, Pamela Valentino<sup>31</sup>, Raghu Varier<sup>32</sup>, Veena Venkat<sup>33</sup>, Bernadette Vitola<sup>34</sup>, Miriam Vos<sup>14</sup>. Marek Woynarowski<sup>35</sup>, Jason Yap<sup>36</sup>, Kyle Jensen<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Utah, Salt Lake City, UT, USA; <sup>2</sup>State University of New York Buffalo, Buffalo, NY, USA; <sup>3</sup>Prince Salman NW Armed Forces Hospital, Tabuk, Saudi Arabia; <sup>4</sup>University of California San Francisco, San Francisco, CA, USA; <sup>5</sup>Tel-Aviv University, Tel-Aviv, Israel; <sup>6</sup>University of Liverpool, Liverpool, United Kingdom; <sup>7</sup>Mayo Clinic, Rochester, MN, USA; <sup>8</sup>University College Dublin, Dublin, Ireland; <sup>9</sup>University of Rochester, Rochester, NY, USA; <sup>10</sup>Thomas Jefferson University, Wilmington, DE, USA; <sup>11</sup>University of Manitoba, Winnipeg, MB, Canada; <sup>12</sup>Sapienza University of Rome, Rome, Italy; <sup>13</sup>Lille University, Lille, France; <sup>14</sup>Emory University, Atlanta, GA, USA; <sup>15</sup>University Medical Centre Ljubljana, Ljubljana, Slovenia; <sup>16</sup>University of Toronto, Toronto, ON, Canada; <sup>17</sup>University of Ulsan, Seoul, Korea (the Democratic People's Republic of); <sup>18</sup>University of Helsinki, Helsinki, Finland; <sup>19</sup>University of Manchester, Manchester, United Kingdom; <sup>20</sup>Academic Medical Centre, Amsterdam, Netherlands; <sup>21</sup>University of Naples Federico II, Naples, Italy; <sup>22</sup>University of Colorado, Aurora, CO, USA; <sup>23</sup>Columbia University, New York City, NY, USA; <sup>24</sup>Texas Children's Hospital, Houston, TX, USA; <sup>25</sup>Children's National Medical Center, Washington, , USA; <sup>26</sup>University of Athens, Athens, Greece; <sup>27</sup>Memorial University, St.

John's, , Canada; <sup>28</sup>Shaare Zedek Medical Center, Jerusalem, Israel; <sup>29</sup>Palacky University, Olomouc, Czech Republic; <sup>30</sup>Teikyo University, Tokyo, Japan; <sup>31</sup>Yale University, New Haven, CT, USA; <sup>32</sup>Northwest Pediatric Gastroenterology LLC, Portland, OR, USA; <sup>33</sup>University of Pittsburgh Medical Center, Pittsburgh, PA, USA; <sup>34</sup>Medical College of Wisconsin, Milwaukee, WI, USA. <sup>35</sup>Children's Memorial Health Institute, Warsaw, Poland, <sup>36</sup>University of Alberta, Edmonton, AB, Canada.

## CONCURRENT SESSION IV

### IBD Nutrition

Saturday, November 4, 2017

10:30am –12:00pm

Augustus 5 - 6

Moderators: Andrew Grossman MD and Dale Lee MD

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- 10:30 EXCLUSIVE ENTERAL NUTRITION: FIRST LINE OF THERAPY FOR PEDIATRIC CROHN'S DISEASE...EXCEPT THAT IS, IN NORTH AMERICA! UNDERSTANDING WHY  
Anthony Otley MD, Dalhousie University  
Learning objectives:  
Upon completion of this session, the learner will be able to:
1. Assess the evidence supporting use of EEN for both induction and maintenance of remission in Crohn's disease
  2. Evaluate our current understanding of mechanisms of action for EN in CD
- 11:00 502 - CREATINE TRANSPORT MEDIATES BARRIER FORMATION IN INTESTINAL EPITHELIAL CELLS.  
Caroline Hall<sup>1</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>Mucosal Inflammation Program, University of Colorado Anschutz Medical Campus, Aurora, CO, USA; <sup>3</sup>Merrion Fertility Clinic, National Maternity Hospital Dublin and Trinity College, Dublin, Ireland.
- 11:12 DIETS IMPACT IN PEDIATRIC INFLAMMATORY BOWEL DISEASE: AN EVOLVING PARADIGM  
David Suskind MD, Seattle Children's Hospital  
Learning objectives:  
Upon completion of this session, the learner will be able to:
1. Identify dietary effects on mucosal immunity and microbiome in inflammatory bowel disease
  2. Understand dietary interventions impact on clinical and biochemical measures in inflammatory bowel disease
  3. Implement dietary interventions in clinical practice to promote clinical and biochemical remission
- 11:42 ACCEPTANCE OF AND ADHERENCE TO ENTERAL THERAPY: STRATEGIES FROM PROFESSIONALS AND FAMILIES  
Rose Schroedl PhD, Nationwide Children's Hospital  
Learning objectives:  
Upon completion of this session, the learner will be able to:
1. Identify psychosocial and sociocultural factors which impact adherence to enteral therapy
  2. Implement program-level interventions to promote acceptance of and adherence to enteral therapy
  3. Implement patient/family-level interventions to promote adherence to enteral therapy

#### **CONCURRENT SESSION IV**

##### **Colonoscopy Skills Workshop (advanced registration required)**

*Repeat of Friday session*

Saturday, November 4, 2017

10:30am –12:00pm

Octavius 11

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Organizers: Douglas Fishman MD, Catharine Walsh MD and Kevin Waschke MD

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This is an interactive, hands-on workshop designed for practicing pediatric endoscopists wishing to improve or develop their skills in performing high quality colonoscopy procedures. Topics covered include room set-up, endoscope handling, torque steering, loop recognition and resolution, patient position change and abdominal pressure. It will include a mix of small group teaching sessions, discussion, videos and hands-on work which will be utilized during the session. This workshop will serve as the base for future planned workshops related to training/teaching endoscopy.

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#### **CONCURRENT SESSION IV**

##### **Hands on Motility – pH/Impedance (advanced registration required)**

Saturday, November 4, 2017

10:30am –12:00pm

Neopolitan 2

Moderators: José Cocjin MD and Jaime Belkind Gerson

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##### **HANDS ON ENDOSCOPY (advanced registration required)**

Saturday, November 4, 2017

12:00pm – 2:30pm

Neopolitan 1

Organizer: Marsha Kay MD

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#### **TRAINING PROGRAM DIRECTORS MEETING**

Saturday, November 4, 2017

12:00pm – 2:00pm

Octavius 14



**POSTER SESSION III**

Saturday, November 4, 2017

12:00pm – 2:00pm

Octavius

Presenters at Posters from 12:30pm – 1:30pm

\*Poster of Distinction

**ENDOSCOPY/QI/EDUCATION**

- 1 503 *OPTIMIZING IV FLUID USAGE IN PEDIATRIC PATIENTS WITH ACUTE PANCREATITIS.* Karen Queliza<sup>1</sup>, Shreena Patel<sup>1</sup>, Michael Wang<sup>1</sup>, Ryan Himes<sup>1</sup>, Binita Patel<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>Pediatric Emergency Medicine, Baylor College of Medicine, Houston, TX, USA.
- 2 504 *CLINICAL OUTCOME OF CHILDREN WITH GASTROINTESTINAL INVOLVEMENT IN GRAFT-VERSUS-HOST DISEASE AFTER BONE MARROW TRANSPLANTATION.* Nicolas Rovati<sup>1</sup>, Gustavo Tagliaferro<sup>1</sup>, Veronica Busoni<sup>1</sup>, Gabriela Donato<sup>1</sup>, Ines Ninomiya<sup>1</sup>, Monica Makiya<sup>2</sup>, Diana Altuna<sup>2</sup>, Juan Santino<sup>3</sup>, Pablo Lobos<sup>4</sup>, Gustavo Boldrini<sup>5</sup>, Maria Sanchez<sup>5</sup>, Daniel DAgostino<sup>5</sup>, Marina Orsi<sup>1</sup>.  
<sup>1</sup>Pediatric Gastroenterology, Hospital Italiano de Buenos Aires, Capital Federal, Buenos Aires, Argentina; <sup>2</sup>Pediatric Hemato- Oncology, Hospital Italiano de Buenos Aires, Capital Federal, Buenos Aires, Argentina; <sup>3</sup>Patological Anatomy, Hospital Italiano de Buenos Aires, Buenos Aires, Buenos Aires, Argentina; <sup>4</sup>Pediatric Surgery, Hospital Italiano de Buenos Aires, Capital Federal, Buenos Aires, Argentina; <sup>5</sup>Pediatric Hepatology, Hospital Italiano Buenos Aires, Capital Federal, Buenos Aires, Argentina.
- 3 505 *IN-HOSPITAL PEDIATRIC ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY IS ASSOCIATED WITH SHORTER HOSPITALIZATION FOR CHILDREN WITH CHOLEDOCHOLITHIASIS.* Patrick Bonasso<sup>1</sup>, Lori Gurien<sup>1</sup>, Jessica Staszak<sup>2</sup>, Marie Saylor<sup>1</sup>, David Troendle<sup>3</sup>, Elaine Odiase<sup>3</sup>, Lauren Lazar<sup>3</sup>, Wenly Ruan<sup>3</sup>, Bradley Barth<sup>3</sup>, Regan Williams<sup>2</sup>, Melvin Dassinger<sup>1</sup>. <sup>1</sup>Surgery, University of Arkansas for Medical Sciences, Little Rock, AR, USA; <sup>2</sup>Surgery, University of Tennessee Health Science Center, Memphis, TN, USA; <sup>3</sup>Pediatrics, University of Texas Southwestern Medical Center, Children's Medical Center, Dallas, TX, USA.
- 4 506 *USE OF LUMEN APPOSING METAL STENTS FOR ENDOSCOPIC DRAINAGE OF INTRA-ABDOMINAL FLUID COLLECTIONS IN PEDIATRIC PATIENTS.* Peter Costa<sup>1</sup>, Sammy Ho<sup>2</sup>, Kunal Karia<sup>2</sup>, Yolanda Rivas<sup>1</sup>, Inna Novak<sup>1</sup>. <sup>1</sup>Children's Hospital at Montefiore, Bronx, NY, USA; <sup>2</sup>Montefiore Medical Center, Bronx, NY, USA.
- 5 507 *QUALITY INDICATORS OF UPPER AND LOWER DIGESTIVE ENDOSCOPY IN CHILDREN: A SYSTEMATIC REVIEW AND META-ANALYSIS.* Astrid Bicamumpaka Shema<sup>1,2</sup>, Anne-Sophie Groleau<sup>1,2</sup>, Prévost Jantchou<sup>1,2</sup>. <sup>1</sup>Gastroenterology, CHU Sainte-Justine, Montréal, QC, Canada; <sup>2</sup>CHU Sainte-Justine Research Center, Montreal, QC, Canada.
- 6 508 *HANDS-ON SIMULATION AS A VALUABLE TOOL FOR ENTERAL TUBE FEEDING EDUCATION IN PEDIATRIC STUDENTS AND RESIDENTS.* Rachel Herdes<sup>1</sup>, Patricio Arias<sup>2</sup>, Taylor Arnold<sup>3</sup>.  
<sup>1</sup>Pediatrics, Louisiana State University Health Sciences Center, New Orleans, LA, USA; <sup>2</sup>Pediatric Gastroenterology, Children's Hospital of New Orleans, New Orleans, LA, USA; <sup>3</sup>Mathematics, University of Richmond, Richmond, VA, USA.

- 7 509 *IMPLEMENTATION OF AN ASYNCHRONOUS PILOT PEDIATRIC E-CONSULT PROGRAM.* Rajitha Venkatesh. Pediatric Gastroenterology, MGH, Cambridge, MA, USA.
- 8 510 *TELEMEDICINE ENABLES CARE FOR GEOGRAPHICALLY DISPERSED PATIENTS.* Robert Cornfeld. Department of Pediatrics, Landstuhl Regional Medical Center, APO, MD, USA.
- 9 511 *MULTICENTER EVALUATION OF PROCEDURAL VOLUME IN ACADEMIC PEDIATRIC GASTROENTEROLOGY CENTERS.* Robert Kramer<sup>1,2</sup>, Diana Lerner<sup>3</sup>, Ali Mencin<sup>4</sup>, David Troendle<sup>5</sup>, Ahmed Najma<sup>6</sup>, Hamandi Hassan<sup>7</sup>, Joel Friedlander<sup>1</sup>. <sup>1</sup>Pediatrics, University of Colorado, Aurora, CO, USA; <sup>2</sup>Children's Hospital Colorado, Aurora, CO, USA; <sup>3</sup>Pediatrics, University of Wisconsin, Milwaukee, WI, USA; <sup>4</sup>Pediatrics, Columbia University, New York City, NY, USA; <sup>5</sup>Pediatrics, University of Texas Southwestern Medical Center, Dallas, TX, USA; <sup>6</sup>Pediatrics, McGill University, Montreal, AL, USA; <sup>7</sup>Pediatrics, Johns Hopkins University, Baltimore, MD, USA.
- 10 512 *COMBINED ENDOSCOPIC ULTRASOUND AND SECRETIN PANCREATIC FUNCTION TEST IN PATIENTS EVALUATED FOR CHRONIC PANCREATITIS. ROBERTO GUGIG M.D.* Roberto Gugig. UCSF, Visalia, CA, USA.
- 11 513 *THE UTILITY OF UPPER ENDOSCOPY IN ADOLESCENTS WITH OBESITY PRIOR TO VERTICAL SLEEVE GASTRECTOMY.* Ruben Colman<sup>1</sup>, Jennifer Woo Baidal<sup>2</sup>, Jeffrey Zitsman<sup>3</sup>, Ali Mencin<sup>2</sup>. <sup>1</sup>Pediatrics, SBH Health System, Bronx, NY, USA; <sup>2</sup>Division of Pediatric Gastroenterology, Columbia University Medical Center, New York, NY, USA; <sup>3</sup>Surgery, Columbia University Medical Center, New York, NY, USA.
- 12 514 *THE AFFECTS OF MINIMIZING PHLEBOTOMY BLOOD VOLUME ON ANEMIA IN PEDIATRIC HOME PARENTERAL NUTRITION PATIENTS.* Ruth Go<sup>1</sup>, Joshua Wathen<sup>2</sup>, Rebecca Estanque<sup>1</sup>, Kristine French<sup>1</sup>, Jenifer Pelster<sup>1</sup>, Khiet Ngo<sup>1</sup>. <sup>1</sup>Pediatrics, Loma Linda Children's Hospital, Loma Linda, CA, USA; <sup>2</sup>Loma Linda University School of Medicine, Loma Linda, CA, USA.
- 13 515 *LAPAROENDOSCOPIC RENDEZVOUS FOR CHOLECYSTOCHOLEDOCHOLITHIASIS IN AN INFANT.* Samuel Bitton<sup>1</sup>, Gautam Nagendra<sup>2</sup>, Nathan Heinzerling<sup>3</sup>, Robert Gal<sup>4</sup>, Jose Prince<sup>3</sup>, Matthew McKinley<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, Steven and Alexandra Cohen Children's Medical Center of New York, Hofstra Northwell School of Medicine, Lake Success, NY, USA; <sup>2</sup>Pediatrics, Steven and Alexandra Cohen Children's Medical Center of New York, Hofstra Northwell School of Medicine, New Hyde Park, NY, USA; <sup>3</sup>Pediatric Surgery, Steven and Alexandra Cohen Children's Medical Center of New York, Hofstra Northwell School of Medicine, New Hyde Park, NY, USA; <sup>4</sup>Gastroenterology, North Shore University Hospital, Northwell Health System, Lake Success, NY, USA.
- 14 516 *MESENTERIC SIDED MECKEL'S DIVERTICULUM PRESENTING AS INTERMITTENT ABDOMINAL PAIN IN A PEDIATRIC PATIENT.* Sara Hassan<sup>1,2</sup>, Diana Montoya Melo<sup>1,2</sup>, Faisal Qureshi<sup>3,2</sup>, Bradley Barth<sup>1,2</sup>, David Troendle<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Texas Southwestern, Dallas, TX, USA; <sup>2</sup>Children's Health, Dallas, TX, USA; <sup>3</sup>Department of Surgery, University of Texas Southwestern, Dallas, TX, USA.
- 15 517 *RECURRENT HSV ESOPHAGITIS IN AN IMMUNOCOMPETENT 8-YEAR-OLD.* Sarah Faasse, Cary Sauer. Pediatric Gastroenterology, Hepatology, and Nutrition, Emory University, Atlanta, GA, USA.
- 16 518 *WHAT COMES FIRST? HEPATOBLASTOMA OR FAMILIAL ADENOMATOUS POLYPOSIS.* Shabina Walji-Virani<sup>1</sup>, M.Gaith Semrin<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Childrens Medical Center, Dallas, Plano, TX, USA; <sup>2</sup>Pediatric Gastroenterology, University of Texas Southwestern, Dallas, TX, USA.

- 17 519 *AN ELUSIVE CARCINOID TUMOR: THE IMPORTANCE OF CAPSULE ENDOSCOPY.* Sirish Rao<sup>1</sup>, Jeff Kantor<sup>2</sup>. <sup>1</sup>Child Health, University of Missouri - Columbia, Columbia, MO, USA; <sup>2</sup>Child Health Gastroenterology, University of Missouri - Columbia, Columbia, MO, USA.
- 18 520 *NOT JUST FOR ADULTS: THE USE OF PUSH ENTEROSCOPY TO DIAGNOSE MECKEL'S DIVERTICULUM IN A 16-YEAR-OLD PATIENT WITH IRON DEFICIENCY ANEMIA AND OCCULT GASTROINTESTINAL BLEEDING.* Sneha Kolli, Alejandro Frade Garcia, Alice Huang, Erick Hernandez. Nicklaus Children's Hospital, Miami, FL, USA.
- 19 521 *UTILIZING PATIENT ENGAGEMENT TO DEVELOP INTEGRATED MENTAL HEALTH CARE FOR PEDIATRIC GASTROENTEROLOGY - PHASE I OF THE DECADES STUDY.* Stephanie Hullmann<sup>1,2</sup>, Stacy Keller<sup>2</sup>, Dustin Lynch<sup>3</sup>, Kelli Jenkins<sup>3</sup>, Courtney Moore<sup>3</sup>, Brandon Cockrum<sup>3</sup>, Sarah Wiehe<sup>2</sup>, Aaron Carroll<sup>2</sup>, William Bennett<sup>2</sup>. <sup>1</sup>Psychiatry, Indiana University School of Medicine, Indianapolis, IN, USA; <sup>2</sup>Pediatrics, Indiana University School of Medicine, Indianapolis, IN, USA; <sup>3</sup>Indiana Clinical and Translational Sciences Institute, Indianapolis, IN, USA.
- 20 522 *SMALL BOWEL INTUSSUSCEPTION IN A 16-MONTH-OLD CHILD WITH PEUTZ-JEGHERS SYNDROME.* Stephanie Zacharias<sup>3</sup>, Rajeev Prasad<sup>1,2</sup>, Sean Ciullo<sup>1,2</sup>, Mary Mallon<sup>4,5</sup>, Adrian Marinovich<sup>6</sup>, Harpreet Pall<sup>7,5</sup>. <sup>1</sup>Section of Pediatric General, Thoracic and Minimally Invasive Surgery, St. Christopher's Hospital for Children, Philadelphia, PA, USA; <sup>2</sup>Department of Surgery and Pediatrics, Drexel University College of Medicine, Philadelphia, PA, USA; <sup>3</sup>Department of Pediatrics, St. Christopher's Hospital for Children, Philadelphia, PA, USA; <sup>4</sup>Division of Pediatrics and Radiologic Sciences, St. Christopher's Hospital for Children, Philadelphia, PA, USA; <sup>5</sup>Department of Pediatrics, Drexel University College of Medicine, Philadelphia, PA, USA; <sup>6</sup>Department of Pathology and Laboratory Medicine, St. Christopher's Hospital for Children, Philadelphia, PA, USA; <sup>7</sup>Section of Gastroenterology, Hepatology, and Nutrition, St. Christopher's Hospital for Children, Philadelphia, PA, USA.
- 21 523 *ANEMIA PREVALENCE, SCREENING, AND TREATMENT IN PATIENTS WITH PEDIATRIC INFLAMMATORY BOWEL DISEASE IN THE UNITED STATES.* Steven Miller<sup>1</sup>, Eboselume Akhemonkhan<sup>2</sup>, Anthony Guerrero<sup>1</sup>, Carmen Cuffari<sup>1</sup>, Harold Lehmann<sup>1</sup>, Susan Hutfless<sup>2</sup>. <sup>1</sup>Pediatrics, Johns Hopkins Medicine, Columbia, MD, USA; <sup>2</sup>Gastroenterology, Johns Hopkins University, Baltimore, MD, USA.
- 22 524 *NOURISHMENT THROUGH KNOWLEDGE - ENTERAL FEEDING CURRICULUM TO IMPROVE PEDIATRIC RESIDENT PROFICIENCY.* Tamir Diamond<sup>1</sup>, Miriam Schechter<sup>1</sup>, Inna Novak<sup>2</sup>. <sup>1</sup>Pediatrics, Children's Hospital at Montefiore/Albert Einstein College of Medicine, Bronx, NY, USA; <sup>2</sup>Pediatric Gastroenterology Hepatology & Nutrition, Children's Hospital at Montefiore/Albert Einstein College of Medicine, Bronx, NY, USA.
- 23 525 *UTILITY OF VIDEO CAPSULE ENDOSCOPY IN PEDIATRIC PATIENTS: A SINGLE CENTER EXPERIENCE.* Temara Hajja<sup>1</sup>, Brenna Weber<sup>2</sup>, Franziska Mohr<sup>1</sup>, Wael Sayej<sup>1</sup>. <sup>1</sup>Gastroenterology, Connecticut Children's Medical Center, Hartford, CT, USA; <sup>2</sup>Trinity Collage, Hartford, CT, USA.
- 24 526 *NON-SYNDROMIC JUVENILE POLYP SIZE: VOLUMETRIC ANALYSIS AND RETROSPECTIVE COMPARISON OF INTRAOPERATIVE ESTIMATE AND PATHOLOGY-HISTOLOGY SIZE DETERMINATION.* Nadia Ibrahim<sup>1</sup>, Brian Lee<sup>4</sup>, Raj Shah<sup>2</sup>, Seth Septer<sup>3</sup>, Ruba abdelhadi<sup>1</sup>, Huma Mujadad<sup>2</sup>, Thomas Attard<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Mercy Hospital/University of Missouri Kansas City, Kansas City, MO, USA; <sup>2</sup>Department of internal medicine, UMKC, Kansas City, MO, USA; <sup>3</sup>Gastroenterology, Children's Hospital Colorado, Aurora, CO, USA; <sup>4</sup>Health Services and Outcomes Research, Children's Mercy Hospital, Kansas City, MO, USA.

- 25 527 *CHOLANGIOSCOPY FOR RETRIEVAL OF MIGRATED BILIARY STENT IN A PEDIATRIC PATIENT.* Travis Piester<sup>1</sup>, Joshua Carroll<sup>2</sup>, David Troendle<sup>2</sup>, Bradley Barth<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Stanford University, Palo Alto, CA, USA; <sup>2</sup>Pediatric Gastroenterology, Children's Medical Center, Dallas, TX, USA.
- 26 528 *APPROACH TO THE MANAGEMENT OF PEDIATRIC NAFLD BY PEDIATRIC GASTROENTEROLOGISTS ACROSS THE UNITED STATES.* Warren Shapiro<sup>1,2,3</sup>, Elizabeth Yu<sup>1,2</sup>, Jennifer Collins<sup>4</sup>, Karen Murray<sup>5,22</sup>, Sabina Ali<sup>6</sup>, Nirav Desai<sup>7</sup>, Stavra Xanthakos<sup>8</sup>, Henry Lin<sup>9</sup>, Naim Alkhouri<sup>10</sup>, Reham Abdou<sup>11</sup>, Stephanie Abrams<sup>12</sup>, Megan Butler<sup>13</sup>, Sarah Ann Faasse<sup>14</sup>, Lynette Gillis<sup>15</sup>, Timothy Hadley<sup>14</sup>, Ajay Jain<sup>16</sup>, Marianne Kavan<sup>17</sup>, Kattayoun Kordy<sup>18</sup>, Peter Lee<sup>19</sup>, Jennifer Panganiban<sup>9</sup>, John Pohl<sup>17</sup>, Carol Potter<sup>20</sup>, Bryan Rudolph<sup>21</sup>, Shikha Sundaram<sup>22</sup>, Shivali Joshi<sup>4</sup>, Nidhi Goyal<sup>1,2</sup>, Kathryn Harlow<sup>1,2</sup>, Kimberly Newton<sup>1,2</sup>, Jeffrey Schwimmer<sup>1,2</sup>. <sup>1</sup>Gastroenterology, University San Diego, California, San Diego, CA, USA; <sup>2</sup>Gastroenterology, Rady Children's Hospital, San Diego, CA, USA; <sup>3</sup>Pediatric Gastroenterology, SCPMG, San Diego, CA, USA; <sup>4</sup>University of California San Diego, San Diego, CA, USA; <sup>5</sup>Gastroenterology, Seattle Children's Hospital, Seattle, WA, USA; <sup>6</sup>Gastroenterology, Stanford Children's Hospital, Palo Alto, CA, USA; <sup>7</sup>Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>8</sup>Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>9</sup>Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>10</sup>Gastroenterology, The Cleveland Clinic, Cleveland, OH, USA; <sup>11</sup>Pediatric Gastroenterology, University of Buffalo, Buffalo, NY, USA; <sup>12</sup>Gastroenterology, Miller Children's Hospital, Long Beach, CA, USA; <sup>13</sup>Gastroenterology, Duke Children's Hospital, Raleigh, NC, USA; <sup>14</sup>Gastroenterology, Emory Children's Hospital, Atlanta, GA, USA; <sup>15</sup>Gastroenterology, Vanderbilt Children's Hospital, Nashville, TN, USA; <sup>16</sup>Gastroenterology, Cardinal Glennon Children's Medical Center, St. Louis, MS, USA; <sup>17</sup>Pediatric Gastroenterology, University of Utah, Salt Lake City, UT, USA; <sup>18</sup>Gastroenterology, Children's Hospital of Los Angeles, Los Angeles, CA, USA; <sup>19</sup>Gastroenterology, Inova Hospital, Fairfax, VA, USA; <sup>20</sup>Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA; <sup>21</sup>Gastroenterology, The Children's Hospital at Montefiore, New York, NY, USA; <sup>22</sup>Gastroenterology, Colorado Children's Hospital, Denver, CO, USA.
- 27 529 *COLON CLEANSING IN CHILDREN: RESEARCH PROTOCOL VS. CLINICAL PRACTICE.* Yoram Elitsur, Yaslam Balfaqih, Deborah Preston. Pediatrics, Marshall University, Huntington, WV, USA.
- 28 530 *QUALITY INDICATORS FOR PEDIATRIC ESOPHAGOGASTRODUODENOSCOPY.* Karen Queliza<sup>1</sup>, Erin McHugh<sup>2</sup>, Cynthia Tsai<sup>1</sup>, Anthony Olive<sup>1</sup>, Douglas Fishman<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>UT Medical School of Houston, Houston, TX, USA.

### **EoE/GERD/AERODIGESTIVE**

- 29 531 *PRESENTING SYMPTOMS AND TIMING OF SYMPTOMS RELATIVE TO MEALS ARE POOR PREDICTORS OF PEDIATRIC ASPIRATION RISK.* Daniel Duncan, Kara Larson, Lisa Hester, Maireade McSweeney, Rachel Rosen. Gastroenterology, Boston Children's Hospital, Boston, MA, USA.
- 30 532 *REFLUX ASPIRATION IN LUNG INJURY AMONG CHILDREN WITH DYSPHAGIA AND ORAL ASPIRATION.* Julie Osborn<sup>1</sup>, Lucia Mirea<sup>3</sup>, Shauna Schroeder<sup>2</sup>, Aparna Rao<sup>4</sup>, James Woodward<sup>4</sup>, Jessica Smith<sup>4</sup>, Dana Williams<sup>2</sup>. <sup>1</sup>Graduate Medical Education, Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>2</sup>Gastroenterology, Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>3</sup>Clinical Research, Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>4</sup>Pulmonology, Phoenix Children's Hospital, Phoenix, AZ, USA.
- 31 533 *FOOD IMPACTION SECONDARY TO PROGRESSIVE HISTOPLASMOSIS.* Mazen Abbas<sup>1</sup>, Joshua Short<sup>2</sup>, William Pomputius<sup>3</sup>. <sup>1</sup>Pediatrics, Minnesota Gastroenterology, PA, Minneapolis, MN, USA; <sup>2</sup>Pediatric Surgical Associates, Minneapolis, MN, USA; <sup>3</sup>Infectious Disease, Children's of

Minnesota, Minneapolis, MN, USA.

- 32 534 *THE UTILITY OF CYP2C19 TESTING IN THE MANAGEMENT OF A PATIENT WITH REFRACTORY GASTROINTESTINAL ULCERATION.* Michelle Gonzalez, Imad Absah. Pediatric Gastroenterology, Mayo Clinic , Rochester, MN, USA.
- 33 535 *HISTOLOGICAL ASSESSMENT OF EOSINOPHIL PEROXIDASE ENHANCES DIAGNOSIS OF EOSINOPHILIC ESOPHAGITIS AND PROTON PUMP INHIBITOR-RESPONSIVE ESOPHAGEAL EOSINOPHILIA.* Nathalie Nguyen<sup>1,3</sup>, Anna Baumgaurten<sup>3</sup>, Benjamin Wright<sup>2,4</sup>, James Lee<sup>2</sup>, Glenn Furuta<sup>1,3</sup>, Joanne Masterson<sup>1,3</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology & Nutrition, Children's Hospital of Colorado, Aurora, CO, USA; <sup>2</sup>Mayo Clinic Arizona, Scottsdale, AZ, USA; <sup>3</sup>University of Colorado, Aurora, CO, USA; <sup>4</sup>Phoenix Children's Hospital, Phoenix, AZ, USA.
- 34 536 *CATEGORIZATION AND CLINICAL OUTCOMES IN CHILDREN WITH PERSISTENT GERD SYMPTOMS ON PPI THERAPY.* Thomas Ciecierrega<sup>2</sup>, Neelesh Tipnis<sup>1</sup>. <sup>1</sup>Pediatrics, University of Mississippi Medical Center, Jackson, MS, USA; <sup>2</sup>Pediatrics, Weil Cornell Medical School, New York, NY, USA.
- 35 537 *IN CHILDREN WITH RECURRENT LARYNGITIS, IS THE CURRENT INDICATION OF PROTON PUMP INHIBITORS A CONVINIENT THERAPEUTIC MODALITY?* Nicolas Rovati, Leandro Fanjul Regueira, Emilia Cohen Sabban, Carlos Lifschitz, Marina Orsi. Pediatric Gastroenterology, Hospital Italiano de Buenos Aires, Capital Federal, Buenos Aires, Argentina.
- 36 538 *REFERRAL, EVALUATION, AND MANAGEMENT PATTERNS AT THE ALABAMA AERODIGESTIVE CENTER.* Alexandra Kraus<sup>2</sup>, Rachel Kassel<sup>1</sup>, Crawford Beth<sup>4</sup>, Ashley Chapman<sup>3</sup>, Leslie Boehm<sup>3</sup>, Smith Nicholas<sup>5</sup>, Kulbersh Brian<sup>5</sup>, Hector Gutierrez<sup>1</sup>, Wiatrak Brian<sup>5</sup>, Reed Dimmitt<sup>1</sup>, William Harris<sup>1</sup>. <sup>1</sup>Pediatrics, University of Alabama Birmingham, Birmingham, AL, USA; <sup>2</sup>School of Medicine, University of Alabama at Birmingham, Birmingham, AL, USA; <sup>3</sup>Alabama Aerodigestive Program, Children's of Alabama, Birmingham, AL, USA; <sup>4</sup>Speech and Language Pathology, Children's of Alabama, Birmingham, AL, USA; <sup>5</sup>Pediatric ENT Associates, Children's of Alabama, Birmingham, AL, USA.
- 37 539 *THE IMPACT OF UPDATED CONSENSUS RECOMMENDATION FOR EOSINOPHILIC ESOPHAGITIS ON HOSPITALIZATION AMONG PEDIATRIC AND ADOLESCENT POPULATION IN THE US.* Ransome Eke<sup>1</sup>, Duncan Vos<sup>1</sup>, Sharat Kamath<sup>2</sup>, Andrey Leonov<sup>1</sup>. <sup>1</sup>Western Michigan University Homer Stryker School of Medicine, Kalamazoo, MI, USA; <sup>2</sup>Kalamazoo College, Kalamazoo, MI, USA.
- 38 540 *PRE-DUODENAL PORTAL VEIN AND IT'S RARE ASSOCIATION WITH A MECKEL'S DIVERTICULUM IN A PEDIATRIC PATIENT.* Amy Issa<sup>2</sup>, Jenelle Fernandez<sup>2</sup>, Anu Pavuluri<sup>2</sup>, Yameika Head<sup>2</sup>, Noel Israel<sup>1</sup>, Josh Glenn<sup>3</sup>, Ritu Walia<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Mercer University School of Medicine, Macon, GA, USA; <sup>2</sup>Department of Pediatrics, Medical Center of Georgia, MACON, GA, USA; <sup>3</sup>Medical Center of Georgia, Department of Pediatric Surgery, Atlanta, GA, USA.
- 39 541 *CHANGES IN HEALTH-CARE UTILIZATION FOLLOWING PARTICIATION IN INTENSIVE INTERDISCIPLINARY BEHAVIORAL TREATMENT FOR REMOVAL AND PREVENTION OF PEDIATRIC GASTROSTOMY TUBES.* Robert Dempster<sup>1</sup>, Wendelin Burdo-Hartman<sup>2</sup>, Elizabeth Halpin<sup>3</sup>. <sup>1</sup>Pediatric Psychology, Nationwide Children's Hospital, Columbus, OH, USA; <sup>2</sup>Complex Care, Nationwide Children's Hospital, Columbus, OH, USA; <sup>3</sup>Clinical Therapies, Nationwide Children's Hospital, Columbus, OH, USA.

- 40 542 *A NOVEL APPROACH TO THE SIX FOOD ELIMINATION DIET FOR EOSINOPHILIC ESPGHAGITIS: BLENDERIZED SFED TUBE FEEDING.* Sally Schwartz<sup>1</sup>, Ronda Shaykin<sup>1</sup>, Maria Manual-Rubio<sup>1</sup>, Joshua Wechsler<sup>1</sup>, Amir Kagalwalla<sup>1,2</sup>, Barry Wershil<sup>1</sup>. <sup>1</sup>PEDGI, Lurie Children's, Chicago, IL, USA; <sup>2</sup>Pediatrics, Cook County Health and Hospitals System, Chicago, IL, USA.
- 41 543 *EOSINOPHIL PEROXIDASE IS A MARKER OF DISEASE ACTIVITY IN EOSINOPHILIC GASTRITIS.* Shauna Schroeder<sup>1</sup>, Benjamin Wright<sup>2,1</sup>, Steve Taylor<sup>1</sup>, Nora Odisho<sup>1</sup>, Kelly Shim<sup>1,2</sup>, Cindy Bauer<sup>1,2</sup>, Daphne DeMello<sup>1</sup>, James Lee<sup>2</sup>. <sup>1</sup>Phoenix Children's Hospital, Phoenix, AZ, USA; <sup>2</sup>Mayo Clinic, Scottsdale, AZ, USA.
- 42 544 *EOSINOPHILIC ESOPHAGITIS (EOE) ENDOSCOPIC REFERENCE SCORES (EREFS) IN A PEDIATRIC COHORT.* Simon Rabinowitz<sup>1</sup>, Katherine Vaidy<sup>1</sup>, Nonyelum Ebigbo<sup>3</sup>, Lisa Feng<sup>1</sup>, Rachel Sklar<sup>1</sup>, Evan Grossman<sup>2</sup>, Rebecca Winderman<sup>1</sup>, Steven Schwarz<sup>1</sup>. <sup>1</sup>Pediatric GI, Children's Hospital at Downstate, Brooklyn, NY, USA; <sup>2</sup>Gastroenterology, Downstate Medical Center, Brooklyn, NY, USA; <sup>3</sup>Pediatrics, Richmond University Medical Center, Staten Island, NY, USA.
- 43 545 *CASE-CONTROL STUDY OF BMI IN PEDIATRIC PATIENTS WITH ESOPHAGEAL EOSINOPHILIA.* Tara Sarin, William Bennett, Emily Hon. Pediatrics, Indiana University, Indianapolis, IN, USA.
- 44 546 *EOSINOPHILIC GASTROENTERITIS PRESENTING AS ACUTE PERFORATED DUODENAL ULCER.* Corey Scherer<sup>1</sup>, Muriel Cleary<sup>2</sup>, Doruk Ozgediz<sup>2</sup>, Uma Phatak<sup>1</sup>. <sup>1</sup>Pediatrics, Yale University, New Haven, CT, USA; <sup>2</sup>Surgery, Yale University, New Haven, CT, USA.
- 45 547 *AERODIGESTIVE PICK UP: NON PULSATILE COMPLETE VASCULAR RING ON TRIPLE ENDOSCOPY IN A CHILD WITH STRIDOR.* Vrinda Bhardwaj. Pediatric Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA.
- 46 548 *ESOPHAGEAL BRUSHING REFLECTS DISEASE ACTIVITY MORE THAN EOSINOPHIL COUNTS IN CHILDREN WITH EOSINOPHILIC ESOPHAGITIS.* Yamen Smadi<sup>1</sup>, Chirajyoti Deb<sup>2</sup>, Jeffery Bornstein<sup>1</sup>, Karoly Horvath<sup>1</sup>, Devendra Mehta<sup>1</sup>. <sup>1</sup>Pediatrics, Arnold Palmer Hospital for Children, University of Florida at Orlando Health, Orlando, FL, USA; <sup>2</sup>Gastrointestinal Translational Laboratory, Arnold Palmer Hospital for Children, Orlando, FL, USA.
- FUNCTIONAL/MOTILITY**
- 47 549\* *SMOOTH MUSCLE MYOSIN DYSREGULATION CAUSES MULTIPLE VISCERAL PATHOLOGIES IN A MOUSE MODEL.* Benjamin Wilkins<sup>1</sup>, Melissa Gilbert<sup>1</sup>, Sarah Sivilich<sup>2</sup>, Manimegali Muthumani<sup>3</sup>, Reynold Panettieri<sup>3</sup>, Robert Moreland<sup>2</sup>, Nancy Spinner<sup>1</sup>, Michael Pack<sup>3</sup>. <sup>1</sup>Pathology and Laboratory Medicine, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Physiology and Pharmacology, Drexel University College of Medicine, Philadelphia, PA, USA; <sup>3</sup>Medicine, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA.
- 48 550 *CHARACTERIZATION OF THE MAIN FUNCTIONAL GASTROINTESTINAL DISORDERS IN LATIN AMERICAN SCHOOLCHILDREN AND ADOLESCENTS.* Carlos Velasco-Benitez<sup>1</sup>, Ricardo Chanis<sup>2</sup>, Edgar Jativa<sup>3</sup>, Roberto Zablah<sup>4</sup>, Milton Mejia<sup>5</sup>, Laura Rodriguez<sup>6</sup>, Araceli Leyva<sup>7</sup>. <sup>1</sup>Pediatrics, Universidad del Valle, Cali, Colombia; <sup>2</sup>Hospital del Niño, Ciudad de Panama, Panama; <sup>3</sup>Universidad Central del Ecuador, Quito, Ecuador; <sup>4</sup>Hospital Nacional de Niños Benjamín Bloom, San Salvador, El Salvador; <sup>5</sup>Hospital Nacional de Niños de Nicaragua, Managua, Nicaragua; <sup>6</sup>Hospital Especialidades UMAE 25 IMSS, Monterrey, Mexico; <sup>7</sup>Hospital del Niño y del Adolescente Morelense, Cuernavaca, Mexico.

- 49 551 *UNCOMMON CASE OF VOMITING.* Charles Chen, Chickajajur Vijay. Pediatrics, West Virginia University, Morgantown, WV, USA.
- 50 552 *CORRELATION OF FUNCTIONAL DYSPEPSIA SUBTYPES AND SYMPTOMS WITH MUCOSAL MAST CELLS AND EOSINOPHILS.* Meenal Singh<sup>1</sup>, Vivek Singh<sup>2</sup>, Jennifer Schurman<sup>3</sup>, Craig Friesen<sup>1</sup>. <sup>1</sup>Gastroenterology, Children's Mercy Kansas City, Kansas City, MO, USA; <sup>2</sup>Pathology, Children's Mercy Kansas City, Kansas City, MO, USA; <sup>3</sup>Developmental and Behavioral Sciences, Children's Mercy Kansas City, Kansas City, MO, USA.
- 51 553 *THE ROLE OF PYRIDOSTIGMINE IN PEDIATRIC MOTILITY DISORDERS.* Mhd Louai Manini<sup>1,2</sup>, Michael Camilleri<sup>2</sup>, Rayna Grothe<sup>1</sup>, Molissa Hager<sup>1</sup>, Peter Lu<sup>3</sup>, Carlo Di Lorenzo<sup>3</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Clinical Enteric Neuroscience Translational and Epidemiological Research (CENTER), Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Division of Pediatric Gastroenterology, Nationwide Children's Hospital, Columbus, OH, USA.
- 52 554 *TRENDS IN THE EVALUATION AND MANAGEMENT OF CONSTIPATION IN THE EMERGENCY DEPARTMENT (ED): DATA FROM A NATIONAL SAMPLE.* Michael Foreman, Sneha Raju, Lara Johnson. Pediatrics, Texas Tech University Health Sciences Center, Lubbock, TX, USA.
- 53 555 *UNDIAGNOSED HYPOTHYROIDISM: THE ETIOLOGY OF MYSTERIOUS HALITOSIS AND CONSTIPATION.* Attia Ahmad<sup>3</sup>, Nazish Baig<sup>2</sup>, Farrukh Anwer<sup>4</sup>, Mirza BeG<sup>1</sup>. <sup>1</sup>Pediatrics, SUNY Upstate Medical University, Golisano Children's Hospital, SYRACUSE, NY, USA; <sup>2</sup>Biological Sciences, University of Illinois at Chicago, Chicago, IL, USA; <sup>3</sup>Biological Sciences, Le Moyne College, Syracuse, NY, USA; <sup>4</sup>Pediatrics, Auburn Hospital, Auburn, NY, USA.
- 54 556 *INTENSIVE INTERDISCIPLINARY TREATMENT OF CHILDHOOD AND ADOLESCENT ENCOPRESIS.* Navneetha Unnikrishnan<sup>1</sup>, Meghan Gibson<sup>3</sup>, Priyadarshini Hirway<sup>2</sup>, Heather Chapman<sup>4</sup>, Diane Dermarderosian<sup>4</sup>, Michael Herzlinger<sup>1</sup>, Albert Ross<sup>1</sup>, Linda Shalon<sup>1</sup>, Jason Shapiro<sup>1</sup>, Jared Silverstein<sup>1</sup>, Carolina Cerezo<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hasbro Children's Hospital, Providence, RI, USA; <sup>2</sup>Biostatistics, Hasbro Children's Hospital, Providence, RI, USA; <sup>3</sup>Pediatrics, Hasbro Children's Hospital, Providence, RI, USA; <sup>4</sup>Pediatric Partial Hospital Program, Hasbro Children's Hospital, Providence, RI, USA.
- 55 557 *A PILOT RANDOMIZED CLINICAL TRIAL TO ASSESS THE EFFECT OF IMPROVING SELF-EFFICACY ON OUTCOMES IN CHILDREN WITH FUNCTIONAL CONSTIPATION.* Neha Santucci<sup>1</sup>, Mackenzie Schindler<sup>1</sup>, Erin Reuther<sup>1,2</sup>, Miranda van Tilburg<sup>3,4,5</sup>, Adam Mansfield<sup>1</sup>, Lauren Rein<sup>1</sup>, Paul Hyman<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, LSUHSC, New Orleans, LA, USA; <sup>2</sup>Pediatric Clinical Psychology, LSUHSC, New Orleans, LA, USA; <sup>3</sup>Clinical Research, Campbell University College of Pharmacy and Sciences, Buies Creek, NC, USA; <sup>4</sup>Medicine, University of North Carolina, Chapel Hill, NC, USA; <sup>5</sup>School of Social Work, University of Washington, Seattle, WA, USA.
- 56 558 *"HEMORRHOIDS AND RECTAL PROLAPSE": AN UNUSUAL PRESENTATION OF ABERNETHY MALFORMATION.* Niviann Blondet, Lusine Ambartsumyan. Gastroenterology and Hepatology, Seattle Children's Hospital, Seattle, WA, USA.
- 57 559 *CHARACTERIZATION OF CHILDREN IDENTIFIED WITH MINOR DISORDERS OF ESOPHAGEAL PERISTALSIS ACCORDING TO THE CHICAGO CLASSIFICATION VERSION 3.* Peter Osgood, Eric Chiou. Pediatric Gastroenterology, Hepatology, and Nutrition, Texas Children's Hospital/Baylor College of Medicine, Houston, TX, USA.

- 58 560 *UNMET NEEDS IN PEDIATRIC FUNCTIONAL CONSTIPATION.* Manu Sood<sup>1</sup>, Peter Lichtlen<sup>2</sup>, Claudia Perez<sup>3</sup>. <sup>1</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>2</sup>Sucampo AG, Zug, Switzerland; <sup>3</sup>Takeda Development Center Americas, Inc, Deerfield, IL, USA.
- 59 561 *NAUSEA NEGATIVELY IMPACTS QUALITY OF LIFE AND IS ASSOCIATED WITH AUTONOMIC DYSREGULATION IN ADOLESCENTS WITH FUNCTIONAL ABDOMINAL PAIN DISORDERS.* Prasanna Kapavarapu<sup>1</sup>, Adrian Miranda<sup>1</sup>, Gisela Chelimsky<sup>1</sup>, Thomas Chelimsky<sup>2</sup>, Manu Sood<sup>1</sup>, Katja Kovacic<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital of Wisconsin, Wauwatosa, WI, USA; <sup>2</sup>Neurology, Medical College of Wisconsin, Milwaukee, WI, USA.
- 60 562 *UPPER GASTROINTESTINAL DYSMOTILITY IS COMMON IN PATIENTS WITH BRONCHIECTASIS.* Rachel Rosen, Margot Lurie, Eitan Rubinstein, Kara Larson, Ann Lee, Lisa Hester, Samuel Nurko. Gastroenterology, Boston Children's Hospital, Boston, MA, USA.
- 61 563 *SERUM-DERIVED BOVINE IMMUNOGLOBULIN (SBI) FOR CHILDREN WITH DIARRHEA PREDOMINANT IRRITABLE BOWEL SYNDROME (D-IBS).* RAMI ARROUK<sup>1</sup>, Rachel Herdes<sup>2</sup>, Paul Hyman<sup>1</sup>, Aryn Karpinski<sup>3</sup>. <sup>1</sup>Pediatric GI, LSUHSC, RIVER RIDGE, LA, USA; <sup>2</sup>Pediatrics, LSUHSC, New Orleans, LA, USA; <sup>3</sup>College of Education, Health, and Human Services, Kent State University, Kent, OH, USA.
- 62 564 *ANTRODUODENAL MANOMETRY AS A PREDICTIVE TOOL IN OVREALL FEEDING OUTCOMES IN PATIENTS WITH UNEXPLAINED UPPER GASTROINTESTINAL SYMPTOMS.* Ricardo Arbizu<sup>1,2</sup>, Samuel Nurko<sup>1</sup>, Leonel Rodriguez<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Pediatric Gastroenterology, Medical University of South Carolina, Charleston, SC, USA.
- 63 565 *USE OF CITALOPRAM FOR PEDIATRIC PATIENTS WITH CHRONIC ABDOMINAL PAIN REFERRED TO THE MULTIDISCIPLINARY ABDOMINAL PAIN CLINIC- A SINGLE CENTER INITIAL EXPERIENCE.* Ricardo Medina-Centeno<sup>1</sup>, Jennifer Peacock<sup>2</sup>, Erika Flores<sup>2</sup>, Thomas Spain<sup>1</sup>, Alicia Harding<sup>2</sup>, Stevie Puckett<sup>2</sup>, Rinarani Sanghavi<sup>1</sup>. <sup>1</sup>Pediatrics, UTSW, Dallas, TX, USA; <sup>2</sup>Children's Health Dallas, Children's Health system of Texas, Dallas, TX, USA.
- 64 566 *SEEING IS BELIEVING: THERE IS SO MUCH MORE TO THE ENTERIC NERVOUS SYSTEM THAN "PRESENT" OR "ABSENT".* Silvia Huerta<sup>1</sup>, Archana Shenoy<sup>5</sup>, Rajarshi Sengupta<sup>3</sup>, Michael Feldman<sup>4</sup>, Emma Furth<sup>4</sup>, Federico Valdivieso<sup>4</sup>, Amanda Lemke<sup>1</sup>, Pierre Russo<sup>5</sup>, Edward Doolin<sup>6</sup>, Robert Heuckeroth<sup>1,2</sup>. <sup>1</sup>Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Pediatrics, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>American Association for Cancer Research, Philadelphia, PA, USA; <sup>4</sup>Pathology and Laboratory Medicine, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA; <sup>5</sup>Pathology, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>6</sup>Pediatric and Thoracic Surgery, The Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- 65 567 *THE VALUE OF HIGH RESOLUTION ESOPHAGEAL MANOMETRY(HREM) ON ACHALASIA TREATMENT OUTCOMES IN PEDIATRIC PATIENTS.* Roberto Gomez Suarez<sup>1,3</sup>, Jacklyn Locklear<sup>2,3</sup>, Adela Casas Melley<sup>4,5</sup>, Tamarah Westmoreland<sup>4,5</sup>, Cynthia Reyes ferral<sup>4,5</sup>, James Franciosi<sup>2,3</sup>. <sup>1</sup>Pediatric Gastroenterology, Nemours Children's Hospital, Orlando, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Nemours Children's Hospital, Orlando, FL, USA; <sup>3</sup>Pediatrics, University of Central Florida, Orlando, FL, USA; <sup>4</sup>Pediatric Surgery, Nemours Children's Hospital, Orlando, FL, USA; <sup>5</sup>Surgery, University of Central Florida, Orlando, FL, USA.

- 66 568 *INITIAL EXPERIENCE WITH CO-MANAGEMENT OF PEDIATRIC PATIENTS WITH FUNCTIONAL ABDOMINAL PAIN BETWEEN PEDIATRIC GASTROENTEROLOGY AND A PEDIATRIC PAIN CLINIC WITHIN AN URBAN SAFETY NET HOSPITAL.* Salvatore D'Amico, Vi Lier Goh, Claudio Morera, Laura Goldstein, Paula Gardiner, Caitlin Neri. Boston Medical Center Department of Pediatrics, Boston University School of Medicine, Boston, MA, USA.
- 67 569 *NOVEL USE OF PROKINETIC MEDICATIONS IN PEDIATRIC OGILVIE'S SYNDROME IN THE SETTING OF ACUTE SICKLE CELL CRISIS.* Sana Mansoor, Erika Kutsch. Pediatric Gastroenterology, Hepatology and Nutrition, Nemours/Alfred I DuPont Hospital for Children, Wilmington, DE, USA.
- 68 570 *ACUTE GASTROENTERITIS AND THE RISK OF DEVELOPING FUNCTIONAL GASTROINTESTINAL DISORDERS.* Shivani Gupta, Miguel Saps. Pediatrics, Nationwide Children's Hospital, Columbus, OH, USA.
- 69 571 *ACTG2 DELETION MUTATION RELATED VISCERAL MYOPATHY WITH ORAL PYRIDOSTIGMINE TREATMENT.* Sowon Park, Yunkoo Kang, Hong Koh, Seung Kim. Department of Pediatric Gastroenterology, Hepatology, and Nutrition, Yonsei University College of Medicine, Seoul, Seodaemun-gu, Korea (the Republic of).
- 70 572 *ATYPICAL HIRSCHSPRUNG'S DISEASE: RARE CASE OF SINGLE ZONAL AGANGLIONOSIS WITH POSITIVE RAIR AND GANGLION CELLS PRESENT ON RECTAL BIOSPY.* Stephen Nanton<sup>1</sup>, Anthony Bufo<sup>2</sup>, Catherine Stoos<sup>2</sup>, Joelle Roskens<sup>2</sup>, Sarah Feit<sup>2</sup>, Brenna Davis<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Avera McKennan Hospital and University Health Center, Sioux Falls, SD, USA; <sup>2</sup>Avera McKennan Hospital and University Health Center, Sioux Falls, SD, USA.
- 71 573\* *INCREASED RISKS OF IRRITABLE BOWEL SYNDROME IN CHILDREN WITH URINARY TRACT INFECTION DURING THEIR FIRST YEAR OF LIFE: A NATIONWIDE POPULATION-BASED COHORT STUDY.* Teck King Tan<sup>1</sup>, Chang-Ching Wei<sup>2,3</sup>, Cheng-Li Lin<sup>4,5</sup>, Miguel Saps<sup>6</sup>. <sup>1</sup>Department of Pediatric Gastroenterology, China Medical University Children's Hospital, Taichung City, Taiwan; <sup>2</sup>Department of Pediatric Nephrology, China Medical University Children's Hospital, Taichung City, Taiwan; <sup>3</sup>School of Medicine, China Medical University, Taichung City, Taiwan; <sup>4</sup>Management Office for Health Data, China Medical University Hospital, Taichung City, Taiwan; <sup>5</sup>Department of Public Health, China Medical University, Taichung City, Taiwan; <sup>6</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Nationwide Children's Hospital, Columbus, OH, USA.
- 72 574 *TEMPORARY GASTRIC STIMULATOR PLACEMENT PRIOR TO PERMANENT STIMULATOR PLACEMENT FOR THE TREATMENT OF REFRACTORY GASTROPARESIS IN CHILDREN.* Theodore Stathos<sup>1,2</sup>, Elizabeth Lees<sup>2</sup>, Joseph Stathos<sup>3</sup>, Kristin Lipe<sup>2</sup>, Todd Ponsky<sup>5</sup>, Steven Rothenberg<sup>4</sup>. <sup>1</sup>Pediatric Gastroenterology, Rocky Mountain Hospital for Children, Centennial, CO, USA; <sup>2</sup>Pediatrics, Rocky Vista University College of Osteopathic Medicine, Parker, CO, USA; <sup>3</sup>Kentucky College of Osteopathic Medicine, Pikeville, KY, USA; <sup>4</sup>Pediatric Surgery, Rocky Mountain Hospital for Children, Denver, CO, USA; <sup>5</sup>Pediatric Surgery, Akron Children's Hospital, Akron, OH, USA.
- 73 575 *SHOULD WE SCREEN CHILDREN WITH CONSTIPATION FOR CELIAC DISEASE, HYPOTHYROIDISM, HYPERCALCEMIA, AND LEAD TOXICITY?* Vikram Raghu<sup>1</sup>, Andrew Nowalk<sup>1,2</sup>, Arvind Srinath<sup>1,2</sup>. <sup>1</sup>Department of Pediatrics, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>2</sup>University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.

**INFLAMMATORY BOWEL DISEASE**

- 74 576 *A RARE ASSOCIATION OF TURCOT SYNDROME AND FISTULIZING CROHN'S DISEASE IN ONE PATIENT: A NOVEL CASE.* Montserrat Corbera-Hincapie, Genie Beasley. Pediatric Gastroenterology, University of Florida, Gainesville, FL, USA.
- 75 577 *SINGLE CENTER EXPERIENCE OF LONG TERM VEDOLIZUMAB EFFICACY IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE.* Namita Singh<sup>1</sup>, Marla Dubinsky<sup>2</sup>, Avantika Singh<sup>3</sup>, Morgan Check<sup>1</sup>, Shervin Rabizadeh<sup>1</sup>. <sup>1</sup>Pediatric, Cedars Sinai Medical Center, Los Angeles, CA, USA; <sup>2</sup>Susan and Leonard Feinstein IBD Clinical Center, New York, NY, USA; <sup>3</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Oklahoma University Health Sciences Center, Oklahoma City, OK, USA.
- 76 578 *ORAL IRON AFFECTS THE FECAL MICROBIOME IN CHILDREN WITH IBD.* Natasha Mendez, James Markowitz. Pediatric Gastroenterology, Cohen Children's Medical Center, Lake Success, NY, USA.
- 77 579 *MEDICATIONS AND SERUM BIOMARKERS ARE ASSOCIATED WITH ANTHROPOMETRIC MEASUREMENTS IN PEDIATRIC CROHN'S DISEASE.* Neera Gupta<sup>1</sup>, Robert Lustig<sup>4</sup>, Cewin Chao<sup>4</sup>, Eric Vittinghoff<sup>2</sup>, Howard Andrews<sup>3</sup>, Cheng-Shiun Leu<sup>3</sup>. <sup>1</sup>Pediatrics, Weill Cornell Medicine, New York, NY, USA; <sup>2</sup>Epidemiology and Biostatistics, University of California San Francisco, San Francisco, CA, USA; <sup>3</sup>Epidemiology and Biostatistics, Columbia University Medical Center, New York, NY, USA; <sup>4</sup>Pediatrics, University of California San Francisco, San Francisco, CA, USA.
- 78 580 *COMBINATION INFlixIMAB AND PREDNISONE DURING INDUCTION LEADS TO HEIGHTENED DRUG CLEARANCE.* Kathryn Clarkson, Kimberly Jackson, Yi-Ting Tsai, Lee Denson, Phillip Minar. Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 79 581 *PREVALENCE OF JOINT HYPERMOBILITY IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE: A PROSPECTIVE CASE-CONTROL STUDY.* Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>, Brian Maksimak<sup>1</sup>, Sara Lappe<sup>2</sup>, Hanan Nashed<sup>2</sup>, Natalie Bhesania<sup>1</sup>, Jessica Barry<sup>1</sup>, Andrew Zeft<sup>3</sup>, Naim Alkhouri<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic, Cleveland, OH, USA; <sup>2</sup>General Pediatrics, Cleveland Clinic, Cleveland, OH, USA; <sup>3</sup>Pediatric Rheumatology, Cleveland Clinic, Cleveland, OH, USA.
- 80 582 *PERINATAL FACTORS AND RISK OF INFLAMMATORY BOWEL DISEASE IN THE OFFSPRING: A SYSTEMATIC REVIEW AND META-ANALYSIS.* Fanny Gentilcore<sup>2</sup>, Marie-Ève Chartier<sup>1,2</sup>, Marie-Claude Rousseau<sup>3</sup>, Sylvie Girard<sup>2,4</sup>, Shu-Qin Wei<sup>2</sup>, Andrea Benedetti<sup>5,6</sup>, Anne-Monique Nuyt<sup>2,7</sup>, Prévost Jantchou<sup>1,2</sup>. <sup>1</sup>Gastro-enterology, CHU Sainte-Justine, Montréal, QC, Canada; <sup>2</sup>CHU Sainte-Justine Research Center, Montreal, QC, Canada; <sup>3</sup>INRS-Institut Armand-Frappier, Laval, QC, Canada; <sup>4</sup>Department of Obstetrics and Gynecology, Montreal University, Montreal, QC, Canada; <sup>5</sup>Departments of Medicine and Epidemiology, Biostatistics and Occupational Health, McGill University, Montreal, QC, Canada; <sup>6</sup>Respiratory Epidemiology and Clinical Research Unit, McGill University Health Center, Montreal, QC, Canada; <sup>7</sup>Division of Neonatology, Department of Pediatrics, CHU Sainte-Justine, Montreal, QC, Canada.
- 81 583 *A SINGLE CENTER EVALUATION OF TRANSITION IN INFLAMMATORY BOWEL DISEASE.* Price Edwards<sup>3</sup>, John Whitworth<sup>1</sup>, Sandra Arnold<sup>2,3</sup>. <sup>1</sup>Pediatric Gastroenterology, Le Bonheur Children's Hospital, Memphis, TN, USA; <sup>2</sup>Infectious Disease, Le Bonheur Children's Hospital, Memphis, TN, USA; <sup>3</sup>Pediatrics, University of Tennessee Health Science Center, Memphis, TN, USA.

- 82 584 *LACK OF SEASONALITY OF PEDIATRIC INFLAMMATORY BOWEL DISEASE: RESULTS OF A SINGLE CENTER REPORT.* Rachel Bernard<sup>1</sup>, Sussette Gonzalez<sup>1</sup>, Pam McMahon<sup>1,2</sup>, Elizabeth McDonough<sup>1,3</sup>. <sup>1</sup>Pediatrics, OLOL Children's Hospital, Baton Rouge, LA, USA; <sup>2</sup>Department of Research, OLOL Children's Hospital, Baton Rouge, LA, USA; <sup>3</sup>Pediatric Gastroenterology, OLOL Children's Hospital, Baton Rouge La, LA, USA.
- 83 585 *DUODENAL PATHOLOGY AND ASSOCIATED DISEASE OUTCOMES IN PEDIATRIC CROHN'S DISEASE.* Rebecca Casini<sup>1</sup>, Vivekanand Singh<sup>2</sup>, Veronica Williams<sup>3</sup>, Ashley Sherman<sup>4</sup>, Valentina Shakhnovich<sup>1,3</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Department of Pathology and Laboratory Medicine, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>3</sup>Division of Clinical Pharmacology, Toxicology and Therapeutic Innovation, The Children's Mercy Hospital, Kansas City, MO, USA; <sup>4</sup>Department of Health Services and Outcomes Research, The Children's Mercy Hospital, Kansas City, MO, USA.
- 84 586 *CLINICAL CHARACTERISTICS OF VERY EARLY ONSET-INFLAMMATORY BOWEL DISEASE (VEO-IBD) IN A SINGLE CENTER COHORT.* Sana Mansoor<sup>1,2</sup>, Amari Howard<sup>3</sup>, Sherly Xie<sup>4</sup>, Zarela Molle-Rios<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Nemours/Alfred I DuPont Hospital for Children, Wilmington, DE, USA; <sup>2</sup>Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA, USA; <sup>3</sup>Department of Pediatrics, Nemours/A.I duPont Hospital for Children, Wilmington, DE, USA; <sup>4</sup>Department of Biomedical Research, Nemours/A.I duPont Hospital for Children, Wilmington, DE, USA.
- 85 587 *PENILE AND SCROTAL METASTATIC CROHN'S DISEASE IN PEDIATRIC MALE PATIENT.* Sara Hassan<sup>1,2</sup>, Yuefeng Wu<sup>3</sup>, Bethany Cartwright<sup>2</sup>, Bruce Schlomer<sup>3,2</sup>, Bhaskar Gurram<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of Texas Southwestern, Dallas, TX, USA; <sup>2</sup>Children's Health, Dallas, TX, USA; <sup>3</sup>Pediatric Urology, University of Texas Southwestern, Dallas, TX, USA.
- 86 588\* *SEROLOGIC AND GENETIC MARKERS ASSOCIATED WITH GROWTH STATUS IN CHILDREN WITH CROHN'S DISEASE.* Sara Naramore<sup>1</sup>, William Bennett<sup>1</sup>, Brian McFerron<sup>1</sup>, Tamara Hannon<sup>1</sup>, Guanglong Jiang<sup>1</sup>, Yunlong Liu<sup>1</sup>, Subra Kugathasan<sup>3</sup>, Lee Denson<sup>4</sup>, Thomas Walters<sup>5</sup>, Mi-Ok Kim<sup>6</sup>, Michael C. Stephens<sup>2</sup>, Robert Baldassano<sup>7</sup>, James Markowitz<sup>8</sup>, Bruce Aronow<sup>4</sup>, Jeffrey Hyams<sup>9</sup>, Marla Dubinsky<sup>10</sup>, Anne Griffiths<sup>5</sup>, Joshua Noe<sup>11</sup>, Wallace Crandall<sup>12</sup>, Scott Snapper<sup>13</sup>, Shervin Rabizadeh<sup>14</sup>, Joel Rosh<sup>15</sup>, Steven Steiner<sup>1</sup>. <sup>1</sup>Indiana University School of Medicine, Indianapolis, IN, USA; <sup>2</sup>Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Emory University, Atlanta, GA, USA; <sup>4</sup>Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>5</sup>The Hospital for Sick Children, Toronto, ON, Canada; <sup>6</sup>UCSF Benioff Children's Hospital, San Francisco, CA, USA; <sup>7</sup>Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>8</sup>Northwell Health, Lake Success, NY, USA; <sup>9</sup>Connecticut Children's Medical Center, Hartford, CT, USA; <sup>10</sup>Mount Sinai Hospital, New York, NY, USA; <sup>11</sup>Medical College of Wisconsin, Milwaukee, WI, USA; <sup>12</sup>Nationwide Children's Hospital, Columbus, OH, USA; <sup>13</sup>Boston Children's Hospital, Boston, MA, USA; <sup>14</sup>Cedars-Sinai, Los Angeles, CA, USA; <sup>15</sup>Goryeb Children's Hospital, Morristown, NJ, USA.
- 87 589 *CONTRAST ENHANCED ULTRASOUND: A NEW, SAFE, BEDSIDE METHOD OF CHARACTERIZING ILEAL STRICTURES IN CROHN'S DISEASE.* Sarah Sidhu<sup>1</sup>, Misun Hwang<sup>2</sup>, Carmen Cuffari<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Johns Hopkins University Hospital, Baltimore, MD, USA; <sup>2</sup>Pediatric Radiology, Johns Hopkins University Hospital, Baltimore, MD, USA.
- 88 590 *PERFORATED MECKEL'S DIVERTICULITIS MIMICKING IBD.* Saurabh Talathi<sup>1</sup>, David Kelly<sup>2</sup>, Scott Anderson<sup>3</sup>, Yoginder Vaid<sup>4</sup>, Jose Mestre<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UAB, Birmingham, AL, USA; <sup>2</sup>Pathology, UAB, Birmingham, AL, USA; <sup>3</sup>Surgery, UAB, Birmingham, AL, USA; <sup>4</sup>Radiology, UAB, Birmingham, AL, USA.

- 89 591 *EPIDURAL ABSCESS AND SPINAL OSTEOMYELITIS IN A PATIENT WITH CROHN'S DISEASE.* Sebastian Zavoian<sup>1</sup>, Robert Baker<sup>1</sup>, Shelly Choudhury<sup>1</sup>, Razan Alkhouri<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University at Buffalo, Buffalo, NY, USA; <sup>2</sup>Pediatric Gastroenterology, Presbyterian Healthcare Services, Albuquerque, NM, USA.
- 90 592 *LYMPHANGIOGENESIS AND EXPRESSION OF LYMPHANGIOGENIC GROWTH FACTORS IN ACUTE AND CHRONIC COLITIS.* Senthilkumar Sankararaman<sup>1</sup>, Liya Liu<sup>2</sup>, Aling Shen<sup>2</sup>, Youqin Chen<sup>2</sup>, Thomas Sferra<sup>1</sup>. <sup>1</sup>Pediatrics (Pediatric Gastroenterology Division), UH Rainbow Babies & Children's Hospital/Case Western Reserve University School of Medicine, Cleveland, OH, USA; <sup>2</sup>Pediatrics (Pediatric Gastroenterology Division), Case Western Reserve University School of Medicine, Cleveland, OH, USA.
- 91 593 *SEVERE COLITIS FOLLOWING RITUXIMAB THERAPY IN A PEDIATRIC MULTIVISCERAL TRANSPLANT RECIPIENT.* Sittichoke Prachuapthunyachart<sup>1</sup>, Ojasvini Choudhry Chandan<sup>1</sup>, Emille Reyes-Santiago<sup>1</sup>, Luciano Vargas<sup>2</sup>, David Mercer<sup>2</sup>, Wendy Grant<sup>2</sup>, Alan Langnas<sup>2</sup>, Ruben Quiros-Tejiera<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>Surgery, Organ Transplantation, University of Nebraska Medical Center, Omaha, NE, USA.
- 92 594 *HIGH RECURRENCE RATE AFTER FECAL MICROBIOTA TRANSPLANT FOR RECURRENT CLOSTRIDIUM DIFFICILE INFECTION IN PEDIATRIC INFLAMMATORY BOWEL DISEASE.* Stanley Cho<sup>1</sup>, Elizabeth Spencer<sup>3</sup>, Robert Hirten<sup>2</sup>, Ari Grinspan<sup>2</sup>, Marla Dubinsky<sup>3</sup>. <sup>1</sup>Pediatrics, Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>2</sup>Medicine, Gastroenterology, Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>3</sup>Pediatrics, Gastroenterology and Hepatology, Icahn School of Medicine at Mount Sinai, New York, NY, USA.
- 93 595 *LYMPHADENOPATHY SCARE IN A 10 YEAR OLD FEMALE ON ADALIMUMAB.* Stephanie Page. Gastroenterology, Children's Mercy Kansas City, Kansas City, MO, USA.
- 94 596 *USTEKINUMAB THERAPY IN SEVERE PEDIATRIC INFLAMMATORY BOWEL DISEASE.* Vivian Chang<sup>1</sup>, Steven Fusillo<sup>1</sup>, Lindsey Albenberg<sup>1,2</sup>, Robert Baldassano<sup>1,2</sup>, Máire Conrad<sup>1,2</sup>, Andrew Grossman<sup>1,2</sup>, Petar Mamula<sup>1,2</sup>, Elizabeth Maxwell<sup>1,2</sup>, David Piccoli<sup>1,2</sup>, Ronen Stein<sup>1,2</sup>, Judith Kelsen<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA.
- 95 597\* *SIGNIFICANT DYSBIOSIS OF ORAL MICROBIOME IS SEEN IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE (IBD) WITHOUT UPPER TRACT INVOLVEMENT AND IT IS AS PREDICTIVE AS STOOL MICROBIOME IN CLASSIFYING IBD.* Jordan Weitzner, Pankaj Chopra, Hari Somineni, Jarod Prince, Dodd Ann, Khuong Le, Suresh Venkateswaran, Cary Sauer, Arjuna Karikaran, David Cutler, Subra Kugathasan. Pediatrics, Emory University, Atlanta, GA, USA.
- 96 598 *BILATERAL SUBMASSIVE PULMONARY EMBOLISM IN A PATIENT WITH ULCERATIVE COLITIS.* Aditi Gupta<sup>1</sup>, Brian Tullius<sup>1</sup>, Anjali Pawar<sup>2</sup>, Daphne Say<sup>1</sup>, Sunpreet Kaur<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UC Davis Medical Center, Sacramento, CA, USA; <sup>2</sup>Pediatric Hematology, UC Davis Medical Center, Sacramento, CA, USA.
- 97 599 *COMPARISON OF HEPATITIS B BOOSTER VERSUS HEPATITIS B IMMUNIZATION SERIES ADMINISTRATION AND THE EFFECTS ON HEPATITIS B TITER STATUS IN PREVIOUSLY IMMUNIZED INFLAMMATORY BOWEL DISEASE PATIENTS UNDERGOING BIOLOGIC THERAPY.* Suruchi Batra<sup>1</sup>, Mark Tufano<sup>2</sup>, Bernadette Diez<sup>2</sup>, Lynn Duffy<sup>2</sup>. <sup>1</sup>Pediatrics, INOVA Fairfax Hospital, Falls Church, VA, USA; <sup>2</sup>Gastroenterology, Pediatric Subspecialists of Virginia, Fairfax, VA, USA.

- 98 600 *FUNCTIONAL ANALYSIS IMPLICATING SAMD9 MUTATIONS IN INTESTINAL INFLAMMATION IN PATIENTS WITH MIRAGE SYNDROME.* Takashi Ishige<sup>1,2</sup>, Neil Warner<sup>1</sup>, Eileen Crowley<sup>1</sup>, Aleixo Muise<sup>1</sup>. <sup>1</sup>Cell Biology, The hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Department of Pediatrics, Gunma University, Maebashi, Japan.
- 99 601 *IDENTIFYING INFLAMMATORY CUES THAT DRIVE DIFFERENTIATION OF COLITOGENIC GRANZYME A-EXPRESSING T HELPER CELLS.* Tanbeena Imam<sup>1</sup>, Matthew Olson<sup>2</sup>, Mark Kaplan<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Indiana University School of Medicine, Indianapolis, IN, USA; <sup>2</sup>Indiana University School of Medicine, Indianapolis, IN, USA.
- 100 602 *ENDOSCOPIC SCORING TO ASSIST IN THE MANAGEMENT OF PEDIATRIC INFLAMMATORY BOWEL DISEASE.* Rebecca Casini, Timothy Blaufuss, Mamta Reddy. Children's Mercy Hospital, Kansas City, MO, USA.
- 101 603 *ROLE OF RESIDENT MACROPHAGES IN SMALL INTESTINAL HOMEOSTASIS.* Tina Morhardt<sup>1</sup>, Atsushi Hayashi<sup>2</sup>, Takanori Ochi<sup>2</sup>, Nobuhiko Kamada<sup>2</sup>. <sup>1</sup>Pediatrics, Division of Gastroenterology, University of Michigan, Ann Arbor, MI, USA; <sup>2</sup>Internal Medicine, Division of Gastroenterology, University of Michigan, Ann Arbor, MI, USA.
- 102 604 *ORAL VANCOMYCIN AS AN ADJUVANT TREATMENT IN IBD.* Travis Ayers<sup>1,2</sup>, Elaine Puppia<sup>1,2</sup>, Howard Kader<sup>1,2</sup>, Jaylyn Waddell<sup>2</sup>, Nidhi Rawal<sup>1,2</sup>. <sup>1</sup>Pediatric GI and Nutrition, University of Maryland, MD, MD, USA; <sup>2</sup>University of Maryland School of Medicine, Baltimore, MD, USA.
- 103 605 *INFANTILE-ONSET INFLAMMATORY BOWEL DISEASE AND LYMPHOMA AS A PRESENTATION OF IL-10R DEFICIENCY.* Trusha Patel<sup>1</sup>, Noor Dawany<sup>3</sup>, Máire Conrad<sup>1</sup>, Janine McDermott<sup>1</sup>, Lynn Duffy<sup>5</sup>, Marcella Devoto<sup>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>2</sup>Immunology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Bioinformatics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>5</sup>Pediatric Gastroenterology, Inova Pediatric Specialty Center, Fairfax, VA, USA.
- 104 606 *PNEUMOCOCCAL POLYSACCHARIDE VACCINATION IN PEDIATRIC INFLAMMATORY BOWEL DISEASE PATIENTS.* Tsega Temtem<sup>2,1</sup>, John Whitworth<sup>2,1</sup>, Bindiya Bagga<sup>3</sup>. <sup>1</sup>LeBonheur Children's Hospital, Memphis, TN, USA; <sup>2</sup>Pediatric Gastroenterology, University of Tennessee Health Science Center, Memphis, TN, USA; <sup>3</sup>Pediatric Infectious Disease, University of Tennessee Health Science Center, Memphis, TN, USA.
- 105 607 *ACUTE HEART FAILURE AFTER INFLIXIMAB INFUSION IN A 4-YEAR-OLD WITH CROHN'S DISEASE.* Vanessa Cardenas, Jeremy Adler, Grace Lee. Pediatrics and Communicable Diseases, University of Michigan, Ann Arbor, MI, USA.
- 106 608 *INFLAMMATORY BOWEL DISEASE - A CASE SERIES FROM SOUTHERN BRAZIL.* Vanessa Scheeffler, Cristina Ferreira, Matias Epifanio, Aline Estevam, Aline Freitas, Luiza Nader, Carolina Silva, Cintia Steinhaus, Melina Melere, Marília Ceza. Gastroenterology, Hospital da Criança Santo Antônio, Canoas, Rio Grande do Sul, Brazil.
- 107 609 *BIOLOGICAL THERAPY IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE - EXPERIENCE OF A TERTIARY CARE HOSPITAL IN SOUTHERN BRAZIL.* Vanessa Scheeffler, Cristina Ferreira, Matias Epifanio, Aline Estevam, Aline Freitas, Luiza Nader, Carolina Silva, Cintia Steinhaus, Melina Melere, Marília Ceza. Gastroenterology, Hospital da Criança Santo Antônio, Canoas, Rio Grande do Sul, Brazil.

- 108 610 *CYTOMEGALOVIRUS COLITIS COMPLICATING PEDIATRIC INFLAMMATORY BOWEL DISEASE.* Wael El-Matary<sup>1</sup>, Camelia Sefanovici<sup>2</sup>, Paul Van Caesele<sup>3</sup>, Jeff McCurdy<sup>4</sup>, Vini Deora<sup>1</sup>. <sup>1</sup>Pediatrics, University of Manitoba, Winnipeg, MB, Canada; <sup>2</sup>Pathology, University of Manitoba, Winnipeg, MB, Canada; <sup>3</sup>Medical Microbiology, University of Manitoba, Winnipeg, MB, Canada; <sup>4</sup>Gastroenterology, University of Ottawa, Winnipeg, MB, Canada.
- 109 611 *MICRONUTRIENT DEFICIENCIES IN CHILDREN NEWLY DIAGNOSED WITH INFLAMMATORY BOWEL DISEASE.* Vini Deora<sup>1</sup>, Nicole Aylward<sup>1</sup>, AbdulRazaq Sokoro<sup>2</sup>, Wael El-Matary<sup>1</sup>. <sup>1</sup>Pediatrics, University of Manitoba, Winnipeg, MB, Canada; <sup>2</sup>Clinical Biochemistry, University of Manitoba, Winnipeg, MB, Canada.
- 110 612 *VULVAR CROHN'S DISEASE IN VERY-EARLY ONSET IBD (VEO-IBD).* Zunaira Khan<sup>1</sup>, Qurratul Ann Warsi<sup>2</sup>, Manoochehr Karjoo<sup>3</sup>, MIRZA BEG<sup>3</sup>. <sup>1</sup>St. George's University, St. George's, Grenada; <sup>2</sup>Epidemiology and Biostatistics, University of California, San Francisco, CA, USA; <sup>3</sup>Pediatrics, SUNY Upstate Medical University, Golisano Children's Hospital, Syracuse, NY, USA.
- 111 613\* *EFFECT OF AN ANTI-TNF THERAPEUTIC DRUG MONITORING QUALITY IMPROVEMENT PROGRAM ON INFLAMMATORY BOWEL DISEASE PATIENT OUTCOMES AT A LARGE ACADEMIC PEDIATRIC GASTROENTEROLOGY PRACTICE.* Aditi Mulgund<sup>1</sup>, Laura Baumann<sup>2</sup>, Deepika Choma<sup>1</sup>, Puneet Sharma<sup>3</sup>, Weizhe Su<sup>4,5</sup>, Lin Fei<sup>5</sup>, Lee Denson<sup>2</sup>, Phillip Minar<sup>2</sup>, Dana Dykes<sup>2</sup>, Michael Rosen<sup>2</sup>. <sup>1</sup>Department of Internal Medicine, University of Cincinnati Medical Center, Cincinnati, OH, USA; <sup>2</sup>Division of Gastroenterology, Hepatology, and Nutrition, Department of Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>3</sup>University of Cincinnati College of Medicine, Cincinnati, OH, USA; <sup>4</sup>Department of Mathematics, University of Cincinnati, Cincinnati, OH, USA; <sup>5</sup>Department of Pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 112 614 *DEEP CAVITARY SKIN LESIONS LEADING TO THE DIAGNOSIS OF IBD.* Alexandra Kilgore<sup>1,2</sup>, Calies Menard-Katcher<sup>1,3</sup>, Kelley Capocelli<sup>4,5</sup>, Lori Prok<sup>6,5</sup>, Anna Bruckner<sup>6,2</sup>, Edwin de Zoeten<sup>1,7</sup>. <sup>1</sup>Digestive Health Institute, Section of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>Department of Pediatrics, University of Colorado School of Medicine, Aurora, CO, USA; <sup>3</sup>Gastrointestinal Eosinophilic Diseases Program, Department of Pediatrics, University of Colorado School of Medicine, Aurora, CO, USA; <sup>4</sup>Department of Pathology, Children's Hospital Colorado, Aurora, CO, USA; <sup>5</sup>Department of Pathology, University of Colorado School of Medicine, Aurora, CO, USA; <sup>6</sup>Department of Dermatology, University of Colorado School of Medicine, Aurora, CO, USA; <sup>7</sup>Mucosal Inflammation Program, University of Colorado School of Medicine, Aurora, CO, USA.
- 113 615 *CHARACTERIZATION OF INFANTILE IBD.* Alissa Galgano<sup>1</sup>, Noor Dawany<sup>3</sup>, Máire Conrad<sup>1,6</sup>, Kathleen Sullivan<sup>2</sup>, Marcella Devoto<sup>1,5,4,6,7</sup>, Judith Kelsen<sup>1,4</sup>. <sup>1</sup>Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Immunology and Allergy, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>3</sup>Biomedical Health Informatics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>4</sup>Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA; <sup>5</sup>Human Genetics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>6</sup>Pediatrics, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA; <sup>7</sup>Molecular Medicine, University Sapienza, Rome, Italy.

## LIVER

- 114 616 *THE NECESSITY OF EARLY BONE MARROW TRANSPLANTATION FOR IL-21 RECEPTOR DEFICIENCY PATIENTS TO PREVENT COMPLICATIONS FROM LIVER CIRRHOSIS.* Alice Huang<sup>1</sup>, Esthermari Gonzalez<sup>1</sup>, Erick Hernandez<sup>2</sup>. <sup>1</sup>Pediatrics, Nicklaus Children's Hospital, Miami, FL, USA; <sup>2</sup>Pediatric Gastroenterology, Nicklaus Children's Hospital, Miami, FL, USA.
- 115 617 *A CASE OF SCARLET FEVER ASSOCIATED WITH HEPATITIS.* Arvind Panchoo<sup>1</sup>, Amanda Fifi<sup>2</sup>, Edgardo Rivera Rivera<sup>2</sup>. <sup>1</sup>Pediatrics, Jackson Memorial Hospital, Miami, FL, USA; <sup>2</sup>Pediatrics - Gastroenterology, University of Miami, Miami, FL, USA.
- 116 618 *NEUROCOGNITIVE STATUS IN ALAGILLE SYNDROME: RESULTS OF A MULTI-CENTER PROSPECTIVE OBSERVATIONAL STUDY.* Daniel Leung<sup>1</sup>, Lisa Sorensen<sup>2</sup>, Wen Ye<sup>3</sup>, Kieran Hawthorne<sup>4</sup>, Binita Kamath<sup>5</sup>, V. Ng<sup>5</sup>, Kathleen Loomes<sup>6</sup>, Emily Fredericks<sup>7</sup>, Ronald Sokol<sup>8</sup>, James Squires<sup>9</sup>, Saul Karpen<sup>10</sup>, Jean Molleston<sup>11</sup>, James Heubi<sup>12</sup>, Karen Murray<sup>13</sup>, Kasper Wang<sup>14</sup>, Philip Rosenthal<sup>15</sup>, Jeffrey Teckman<sup>16</sup>, Averell Sherker<sup>17</sup>, John Magee<sup>18,19</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Ann & Robert H. Lurie Children's Hospital of Chicago, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>3</sup>Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; <sup>4</sup>Arbor Research Collaborative for Health, Ann Arbor, MI, USA; <sup>5</sup>Division of Gastroenterology, Hepatology and Nutrition, Hospital for Sick Children and University of Toronto, Toronto, ON, Canada; <sup>6</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>7</sup>Division of Child Behavioral Health, University of Michigan and C.S. Mott Children's Hospital, Ann Arbor, MI, USA; <sup>8</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital Colorado, Aurora, CO, USA; <sup>9</sup>Department of Pediatric Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>10</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Emory University School of Medicine/Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>11</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Indiana University School of Medicine /Riley Hospital for Children, Indianapolis, IN, USA; <sup>12</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>13</sup>Division of Gastroenterology and Hepatology, University of Washington Medical Center, Seattle Children's Hospital, Seattle, WA, USA; <sup>14</sup>Division of Pediatric Surgery, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>15</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, University of California, San Francisco, San Francisco, CA, USA; <sup>16</sup>Cardinal Glennon Children's Medical Center, Saint Louis University, St. Louis, MO, USA; <sup>17</sup>Liver Diseases Research Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA; <sup>18</sup>University of Michigan Medical School, Ann Arbor, MI, USA; <sup>19</sup>for the Childhood Liver Disease Research Network (ChILDRen), DCC, Ann Arbor, MI, USA.
- 117 619 *DRUG REACTION WITH EOSINOPHILIA AND SYSTEMIC SYMPTOMS (DRESS) ASSOCIATED WITH ACALCULOUS CHOLECYSTITIS.* Ligia Alfaro Cruz<sup>1,2</sup>, Bruno Chumpitazi<sup>1,2</sup>. <sup>1</sup>Department of Pediatrics, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Division of Pediatric Gastroenterology, Hepatology, and Nutrition, Texas Children's Hospital, Houston, TX, USA.

- 118 620 *LIVER STIFFNESS MEASUREMENT BY TRANSIENT ELASTOGRAPHY PREDICTS HEPATIC VENOUS CONGESTIONS AND LIVER DYSFUNCTION BUT NOT LIVER FIBROSIS IN CHILDREN AFTER FONTAN PROCEDURE.* Karma Abukasm<sup>1,2</sup>, Anne Fournier<sup>3</sup>, Joaquim Mirò<sup>3</sup>, Dorothée Dal Soglio<sup>4</sup>, Josée Dubois<sup>6</sup>, Catherine Vincent<sup>5</sup>, Massimiliano Paganelli<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Sainte-Justine Hospital, Université de Montréal, Montreal, QC, Canada; <sup>2</sup>Hepatology and Cell Therapy Lab, Sainte-Justine Hospital, Montreal, QC, Canada; <sup>3</sup>Cardiology, Sainte-Justine Hospital, Université de Montréal, Montreal, QC, Canada; <sup>4</sup>Pathology, Sainte-Justine Hospital, Université de Montréal, Montreal, QC, Canada; <sup>5</sup>Hepatology, Centre Hospitalier de l'Université de Montréal, Montreal, QC, Canada; <sup>6</sup>Radiology, Sainte-Justine Hospital, Montreal, QC, Canada.
- 119 621 *LIPOPROTEIN SUBFRACTIONS SHOW INCREASED RISK IN PEDIATRIC NON-ALCOHOLIC STEATOHEPATITIS.* Juna Konomi<sup>1</sup>, Ran Jin<sup>1</sup>, Albert Hernandez<sup>1</sup>, Jennifer Frediani<sup>1</sup>, Hayley Braun<sup>1</sup>, Rebecca Cleeton<sup>1</sup>, Maria Cordero<sup>1</sup>, Shelley Caltharp<sup>2,1</sup>, Miriam Vos<sup>1,2</sup>. <sup>1</sup>Pediatrics, Emory University, Decatur, GA, USA; <sup>2</sup>Children's Healthcare of Atlanta, Atlanta, GA, USA.
- 120 622 *GENETIC PROFILING OF CHILDREN WITH CHOLESTASTIC LIVER DISEASE: EXPERIENCE OF A LARGE PEDIATRIC LIVER TRANSPLANT CENTRE.* Mohammad Shagrani<sup>2,1</sup>, Dieter broering<sup>2,1</sup>, Fowzan Alkuraya<sup>3,1</sup>. <sup>1</sup>College of Medicine, Al Faisal University, Riyadh, Riyadh, Saudi Arabia; <sup>2</sup>Organ Transplant Centre, King Faisal Specialist Hospital & Research Center, Riyadh, Riyadh, Saudi Arabia; <sup>3</sup>Genetics, King Faisal Specialist Hospital & Research Center, Riyadh, Riyadh, Saudi Arabia.
- 121 623 *WILSONIAN FULMINANT HEPATIC FAILURE IN CHILDREN AND ADOLESCENTS: A SYSTEMATIC REVIEW OF 274 CASES.* Shannon Vandriel<sup>1</sup>, Mohammed Ayoub<sup>2,3</sup>, Simon Ling<sup>4</sup>, V. Ng<sup>4</sup>, Eve Roberts<sup>4,5</sup>, Binita Kamath<sup>4</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology, and Nutrition, Department of Paediatrics, The Hospital for Sick Children, Toronto, ON, Canada; <sup>2</sup>Department of Paediatrics, University of Toronto, Toronto, ON, Canada; <sup>3</sup>Department of Pediatrics, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia; <sup>4</sup>Division of Gastroenterology, Hepatology, and Nutrition, Department of Paediatrics, University of Toronto, Toronto, ON, Canada; <sup>5</sup>Dalhousie University, Halifax, NS, Canada.
- 122 624\* *THE USE OF TRANSIENT ELASTOGRAPHY IN MEASURING LIVER STIFFNESS IN PAEDIATRIC PATIENTS WITH CYSTIC FIBROSIS ASSOCIATED LIVER DISEASE.* Mora Puertolas<sup>1,2</sup>, Tamara Pereira<sup>2</sup>, Peter Lewindon<sup>3,4</sup>, Charlton Noble<sup>3</sup>, Louise Ramm<sup>2</sup>, Julie Wixey<sup>2</sup>, Fariha Baloush<sup>3</sup>, Grant Ramm<sup>2,4</sup>. <sup>1</sup>Pediatrics, Jackson Memorial Hospital, Miami Beach, FL, USA; <sup>2</sup>QIMR Berghofer Medical Research Institute, Brisbane, Queensland, Australia; <sup>3</sup>Royal Children's Hospital, Brisbane, Queensland, Australia; <sup>4</sup>The University of Queensland, Brisbane, Queensland, Australia.
- 123 625 *PRESENCE OF COLITIS IN PEDIATRIC YOUNG ADULT PATIENTS WITH PROGRESSIVE FAMILIAL INTRAHEPATIC CHOLESTASIS BEFORE AND AFTER LIVER TRANSPLANTATION.* Natalie Bhesania<sup>1</sup>, Christine Pasquarella<sup>1</sup>, Praveen Kumar Conjeevaram Selvakumar<sup>1</sup>, thomas plesec<sup>2</sup>, Vera Hupertz<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Cleveland Clinic Children's Hospital, Cleveland, OH, USA; <sup>2</sup>Department of Pathology, Cleveland Clinic, Cleveland, OH, USA.
- 124 626 *SUPPRESSION OF BILE ACID SYNTHESIS WITH PROLONGED PARENTERAL NUTRITION IN A PRETERM INFANT WITH NECROTIZING ENTEROCOLITIS: A CASE REPORT.* Naureen Memon<sup>1,2</sup>, Nadia Ovchinsky<sup>1</sup>, Chris Lee<sup>2</sup>, Aimee Herdt<sup>2</sup>, Barry Weinberger<sup>3</sup>, Thomas Hegyi<sup>4</sup>, Grace Guo<sup>5</sup>. <sup>1</sup>Pediatrics, Goryeb Children's Hospital, Morristown, NJ, USA; <sup>2</sup>MidAtlantic Neonatology Associates, Morristown, NJ, USA; <sup>3</sup>Cohen Children's Medical Center of NY, Hyde Park, NY, USA; <sup>4</sup>Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA; <sup>5</sup>Rutgers University, Piscataway, NJ, USA.

- 125 627 *DYSREGULATION OF BILE ACID SYNTHESIS IN PRETERM INFANTS.* Naureen Memon<sup>1,2</sup>, Chris Lee<sup>2</sup>, Barry Weinberger<sup>3</sup>, Thomas Hegyi<sup>4</sup>, Aimee Herdt<sup>2</sup>, Mary Carayannopoulos<sup>4</sup>, Lauren Aleksunes<sup>5</sup>, Grace Guo<sup>5</sup>. <sup>1</sup>Pediatrics, Goryeb Children's Hospital, Morristown, NJ, USA; <sup>2</sup>MidAtlantic Neonatology Associates, Morristown, NJ, USA; <sup>3</sup>Cohen Children's Medical Center of NY, Hyde Park, NY, USA; <sup>4</sup>Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA; <sup>5</sup>Rutgers University, Piscataway, NJ, USA.
- 126 628 *SEVERE HEPATOPULMONARY SYNDROME IN CHILDREN HAS A DREADED OUTCOME: CHALLENGES FACED AND STRATEGIES ADOPTED TO IMPROVE SURVIVAL >95%.* Neelam Mohan, Veena Raghunathan, Maninder Dhaliwal. Dep. of Pediatrics Gastroenterology and Hepatology, Medanta Hospital, Gurgaon, India.
- 127 629 *COMPLICATIONS ASSOCIATED WITH THE RATIO OF GRAFT / HOST SIZE TO PEDIATRIC LIVING DONOR LIVER TRANSPLANTATION. TEN YEARS OF EXPERIENCE IN A TRANSPLANT CENTER.* Gustavo Tagliaferro, Maria Sanchez, Gustavo Boldrini, Maria Cavalieri, Victoria Fernandez de Cuevas, Josefina Martinelli, Arabella Sota, Florencia Ursino, Marina Orsi, Daniel D'Agostino. Pediatric Hepatology, Hospital Italiano Buenos Aires, Capital Federal, Buenos Aires, Argentina.
- 128 630 *INHIBITION OF CREB BINDING PROTEIN-BETA-CATENIN INTERACTION SUPPRESSES CD133 EXPRESSION AND ACTIVATES PP2A-PHOSPHATASE AND TENSIN HOMOLOGUE SIGNALING IN TUMOR INITIATING LIVER CANCER CELLS.* Nirmala Mavila<sup>1,2</sup>, Yuanyuan Tang<sup>1</sup>. <sup>1</sup>Medicine, Cedars Sinai Medical Center, Los Angeles, CA, USA; <sup>2</sup>BioMedical Science, Cedars Sinai Medical Center, Los Angeles, CA, USA.
- 129 631 *HEPATIC VENOUS PRESSURE GRADIENT MEASUREMENTS IN CHILDREN: SAFETY AND CORRELATION WITH HEPATIC HISTOLOGY.* Noelle Ebel<sup>1</sup>, Kristen Carlin<sup>2</sup>, Michele Shaffer<sup>1,2</sup>, Giri Shivaram<sup>3</sup>, Matthew Hawkins<sup>4</sup>, Erin Lane<sup>1</sup>, Kara Cooper<sup>2</sup>, Will Lindquester<sup>4</sup>, Karen Murray<sup>1,2</sup>. <sup>1</sup>Pediatrics, University of Washington School of Medicine, Seattle, WA, USA; <sup>2</sup>Center for Clinical and Translational Research, Seattle Children's Research Institute, Seattle, WA, USA; <sup>3</sup>Radiology, University of Washington School of Medicine, Seattle, WA, USA; <sup>4</sup>Radiology, Emory University School of Medicine, Atlanta, GA, USA.
- 130 632 *UNDIAGNOSED BILE ACID SYNTHESIS DISORDER (BASD): IDENTICAL 7-MONTH-OLD TWINS PRESENTING WITH HYPOCALCEMIC RICKETS AND FAILURE TO THRIVE.* OSMAN AHMAD, Janaina Nogueira. Pediatric Gastroenterology, University of Alabama at Birmingham/ Children's of Alabama, Birmingham, AL, USA.
- 131 633 *SIMULTANEOUS VERSUS SEQUENTIAL LIVER-KIDNEY TRANSPLANTATION IN THE PEDIATRIC POPULATION: A REVIEW OF THE UNOS DATABASE.* Patrick Nguyen<sup>1</sup>, Kathleen Hosek<sup>2</sup>, Abbas Rana<sup>1</sup>, John Goss<sup>1</sup>, Tamir Miloh<sup>2</sup>. <sup>1</sup>Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Texas Children's Hospital, Houston, TX, USA.
- 132 634 *BILIARY STRICTURE AS A PRESENTING FEATURE OF ATYPICAL KAWASAKI DISEASE.* Pooja Reddy<sup>1</sup>, Deborah Kogan<sup>2</sup>, Terry Levin<sup>3</sup>, Sammy Ho<sup>4</sup>, Yolanda Rivas<sup>2</sup>. <sup>1</sup>Pediatrics, Montefiore Medical Center, New York, NY, USA; <sup>2</sup>Pediatric Gastroenterology and Nutrition, Montefiore Medical Center, Bronx, NY, USA; <sup>3</sup>Radiology, Montefiore Medical Center, Bronx, NY, USA; <sup>4</sup>Medicine, Montefiore Medical Center, Bronx, NY, USA.

- 133 635 *TRANSIENT ELASTOGRAPHY AND CONTROLLED ATTENUATION PARAMETER ASSESSMENT OF LIVER DISEASE IN CHILDREN AND YOUNG ADULTS WITH CYSTIC FIBROSIS: A 3 YEAR LONGITUDINAL STUDY.* Prita Mohanty<sup>1</sup>, Paul Mitchell<sup>2</sup>, Shanna Wiggins<sup>1</sup>, Denis Nguyen<sup>1</sup>, Sarah Harney<sup>1</sup>, Maureen Jonas<sup>1</sup>, Christine Lee<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Institutional Centers for Clinical and Translational Research, Boston Children's Hospital, Boston, MA, USA.
- 134 636 *IMPROVING OUTCOMES FOR AT RISK YOUTH AFTER LIVER TRANSPLANTATION: NOVEL INTERVENTIONS IN CHILDREN'S HEALTHCARE (NICH) .* Rachel Bensen<sup>1</sup>, Claudia Lopez<sup>2</sup>, Bianca Agustin<sup>1</sup>, Michael Harris<sup>3</sup>, Diana Naranjo<sup>1</sup>, David Wagner<sup>3</sup>. <sup>1</sup>Pediatrics, Stanford University School of Medicine, Palo Alto, CA, USA; <sup>2</sup>School of Medicine, Oregon Health & Science University, Portland, OR, USA; <sup>3</sup>Pediatrics, Oregon Health & Science University, Portland, OR, USA.
- 135 637 *FONTAN LIVER DISEASE EVOLUTION AFTER HEART TRANSPLANTATION ASSESSED BY MRI, LIVER BIOPSY AND CLINICAL SCORING.* Dellys Soler Rodriguez<sup>1</sup>, Chad Mao<sup>3</sup>, Shriprasad Deshpande<sup>3</sup>, William Mahle<sup>3</sup>, Kirk Kanter<sup>2</sup>, Joseph Magliocca<sup>4</sup>, Rene Romero<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Emory University, Atlanta, GA, USA; <sup>2</sup>Cardiothoracic Surgery, Emory University, Atlanta, GA, USA; <sup>3</sup>Pediatric Cardiology, Emory University, Atlanta, GA, USA; <sup>4</sup>Liver Transplantation, Emory University, Atlanta, GA, USA.
- 136 638 *A CASE OF INFANTILE HEPATIC HEMANGIOENDOTHELIOMAS.* Samuel Boston, Sirish Palle. Pediatric Gastroenterology, OUHSC, OKC, OK, USA.
- 137 639 *HOMOZYGOUS MUTATION OF NEK 8 GENE: A NOVEL CAUSE OF PROGRESSIVE NEONATAL CHOLESTASIS AND END STAGE LIVER DISEASE.* Sara Hassan<sup>1,4</sup>, Luis Umana<sup>2,4</sup>, Matthias Wolf<sup>3,4</sup>, John Andersen<sup>1,4</sup>, Amal Aqul<sup>1,4</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Texas Southwestern, Dallas, TX, USA; <sup>2</sup>Pediatrics, Division of Genetics and Metabolism, University of Texas Southwestern, Dallas, TX, USA; <sup>3</sup>Pediatric Nephrology, University of Texas Southwestern, Dallas, TX, USA; <sup>4</sup>Children's Health, Dallas, TX, USA.
- 138 640 *USE OF A COMPREHENSIVE 66 GENE PANEL TO DIAGNOSE THE CAUSES OF CHOLESTASIS IN >700 INDIVIDUALS.* Saul Karpen<sup>1,2</sup>, Binita Kamath<sup>3</sup>, John Alexander<sup>4,5</sup>, Ilia Ichetovkin<sup>6</sup>, Philip Rosenthal<sup>7</sup>, William Soliman<sup>8</sup>, Richard Thompson<sup>9</sup>, James Heubi<sup>10</sup>. <sup>1</sup>Department of Pediatrics, Emory University School of Medicine, Atlanta, GA, USA; <sup>2</sup>Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>3</sup>Department of Gastroenterology, Hepatology and Nutrition, The Hospital for Sick Children, Toronto, ON, Canada; <sup>4</sup>Department of Human Genetics, Emory University School of Medicine, Atlanta, GA, USA; <sup>5</sup>EGL Genetics, Tucker, GA, USA; <sup>6</sup>Diagnostic Laboratory Services, Retrophin, Inc, San Diego, CA, USA; <sup>7</sup>Department of Pediatrics, University of California, San Francisco School of Medicine, San Francisco, CA, USA; <sup>8</sup>Hepatology & Gastroenterology, Retrophin, Inc, San Diego, CA, USA; <sup>9</sup>Institute of Liver Studies, King's College Hospital, Denmark Hill, London, United Kingdom; <sup>10</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
- 139 641 *UNUSUAL CAUSE OF OBSTRUCTIVE JAUNDICE IN A 5 YEAR OLD MALE.* Shadman Memarian, Folashade Jose. Pediatrics, Vidant Medical Center, Greenville, NC, USA
- 140 642 *PUZZLING CASE OF PORTAL HYPERTENSION.* Shaida Nasiri<sup>1,2</sup>, Zarela Molle-Rios<sup>1,2</sup>. <sup>1</sup>Gastroenterology, Nemours/A.I. DuPont Hospital For Children, Wilmington, DE, USA; <sup>2</sup>Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA, USA.

- 141 643 *PREDICTORS OF POST-OPERATIVE RED BLOOD CELL TRANSFUSIONS IN PEDIATRIC LIVER TRANSPLANT PATIENTS.* Sharmistha Rudra<sup>1</sup>, Meera Gupta<sup>2</sup>, Kim Olthoff<sup>2</sup>, Henry Lin<sup>1</sup>. <sup>1</sup>Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Surgery, University of Pennsylvania, Philadelphia, PA, USA.
- 142 644 *MMP7 AND RELEVANT CHEMOKINES IN NASH.* Shelly Choudhury<sup>1</sup>, Susan Baker<sup>1</sup>, Wensheng Liu<sup>2</sup>, Techung Lee<sup>2</sup>, Robert Baker<sup>1</sup>, Rafal Kozielski<sup>3</sup>, Reham Abdou<sup>1</sup>, Lixin Zhu<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University at Buffalo, Buffalo, NY, USA; <sup>2</sup>University at Buffalo, Buffalo, NY, USA; <sup>3</sup>Pathology, Women and Children's Hospital, Buffalo, Buffalo, NY, USA.
- 143 645 *OCCULT HEPATITIS B VIRUS INFECTION IN CHILDREN BORN TO HEPATITIS B VIRUS MOTHERS AFTER PASSIVE-ACTIVE IMMUNOPROPHYLAXIS IN JAPAN.* Shogo Ito<sup>1</sup>, Koichi Ito<sup>1</sup>, Takeshi Endo<sup>1</sup>, Tokio Sugiura<sup>1</sup>, Yasuhito Tanaka<sup>2</sup>, Shinji Saitoh<sup>1</sup>. <sup>1</sup>Department of Pediatrics and Neonatology, Nagoya City University, Nagoya, Japan; <sup>2</sup>Department of Virology and Liver Unit, Nagoya City University, Nagoya, Japan.
- 144 646 *ARGINASE DEFICIENCY AND THE HEPATIC COMPLICATIONS.* Shreena Patel<sup>1</sup>, Lindsay Burrage<sup>2</sup>, Juanita Neira Fresneda<sup>2</sup>, Marietta de Guzman<sup>3</sup>, Douglas Fishman<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine/Texas Children's Hospital, Houston, TX, USA; <sup>2</sup>Molecular and Human Genetics, Baylor College of Medicine/ Texas Children's Hospital, Houston, TX, USA; <sup>3</sup>Pediatric Rheumatology, Baylor College of Medicine/ Texas Children's Hospital, Houston, TX, USA.
- 145 647 *BASELINE LIVER ECHOTEXTURE IN CHILDREN WITH CYSTIC FIBROSIS PREDICTS CHANGES OVER TIME IN NON-INVASIVE BIOMARKERS OF FIBROSIS AND PORTAL HYPERTENSION.* Simon Ling<sup>1,2</sup>, Wen Ye<sup>3</sup>, Daniel Leung<sup>4,5</sup>, Alexander Weymann<sup>6</sup>, Wikrom Karnsakul<sup>7</sup>, Freeman Jay<sup>8</sup>, John Magee<sup>3</sup>, Michael Narkewicz<sup>9,10</sup>. <sup>1</sup>Paediatrics, University of Toronto, Toronto, ON, Canada; <sup>2</sup>Hospital for Sick Children, Toronto, ON, Canada; <sup>3</sup>University of Michigan, Ann Arbor, MI, USA; <sup>4</sup>Baylor College of Medicine, Houston, TX, USA; <sup>5</sup>Texas Children's Hospital, Houston, TX, USA; <sup>6</sup>Washington University School of Medicine, St Louis, MO, USA; <sup>7</sup>Johns Hopkins University School of Medicine, Baltimore, MD, USA; <sup>8</sup>Emory University School of Medicine, Atlanta, GA, USA; <sup>9</sup>University of Colorado, Denver, CO, USA; <sup>10</sup>Children's Hospital of Colorado, Aurora, CO, USA.
- 146 648 *UNIQUE PATTERN OF INTRAHEPATIC T-CELL CLONALITY IN BILIARY ATRESIA: A PILOT STUDY.* Sina Ogholikhan, Kathleen Schwarz, Robert Anders. Pediatric Gastroenterology, The Johns Hopkins University, Baltimore, MD, USA.
- 147 649 *SOME CONSIDERATIONS ABOUT FIBROSCAN IN EXTRAHEPATIC CHOLESTATIC LIVER DISEASE.* Sowon Park, Seung Kim, Hong Koh. Department of Pediatric Gastroenterology, Hepatology, and Nutrition, Yonsei University College of Medicine, Seoul, Seodaemun-gu, Korea (the Republic of).
- 148 650 *EFFECT OF SHORTENED OBSERVATION PERIOD AFTER PERCUTANEOUS LIVER BIOPSY IN THE PEDIATRIC POPULATION.* Svetlana Kozlovich, Claudia Phen, Anthony Sochet, Sara Karjoo, Daniel McClenathan, Ernest Amankwah, Sharon Crabtree, Sharon Gazarian, Michael Wilsey. Pediatrics, Johns Hopkins All Children's Hospital, Pinellas Park, FL, USA.
- 149 651 *DIVERSITY OF ABCB11 MUTATIONS IN JAPANESE PATIENTS WITH INTRAHEPATIC CHOLESTASIS ASSOCIATED WITH LOW GAMMA-GLUTAMYL TRANSPEPTIDASE LEVEL.* Takao Togawa<sup>1</sup>, Hisamitsu Hayashi<sup>2</sup>, Tokio Sugiura<sup>1</sup>, Kei Ohashi<sup>1</sup>, Koichi Ito<sup>1</sup>, Takeshi Endo<sup>1</sup>, Shinji Saitoh<sup>1</sup>. <sup>1</sup>Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan; <sup>2</sup>Department of Medical Pharmaceutics, The University of Tokyo, Tokyo, Japan.

- 150 652 *QUALITY OF LIFE IN YOUNG ADULTS WHO RECEIVED A LIVER TRANSPLANT IN CHILDHOOD.* zainab mabizari<sup>2</sup>, Ryan Himes<sup>1</sup>, Saira Khaderi<sup>2</sup>, John Goss<sup>2</sup>, Tamir Miloh<sup>1</sup>. <sup>1</sup>GI, Texas Children's Hospital, Houston, TX, USA; <sup>2</sup>Baylor College of Medicine, Houston, TX, USA.
- 151 653 *A SPOTTY SITUATION.* Tanyaporn Kaenkumchorn, Sheela Raikar. Pediatrics, Rush Children's Hospital, Chicago, IL, USA.
- 152 654 *EPIDEMIOLOGY AND NATURAL HISTORY OF CHILDREN WITH HEPATITIS C VIRUS INFECTION OVER A 30-YEAR PERIOD: A NATIONWIDE SURVEY IN JAPAN.* Tatsuki Mizuochi<sup>1</sup>, Tomoko Takano<sup>2</sup>, Tadahiro Yanagi<sup>1</sup>, Kosuke Ushijima<sup>1</sup>, Mitsuyoshi Suzuki<sup>3</sup>, Yoko Miyoshi<sup>4</sup>, Yoshinori Ito<sup>5</sup>, Ayano Inui<sup>6</sup>, Hitoshi Tajiri<sup>2</sup>. <sup>1</sup>Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan; <sup>2</sup>Pediatrics, Osaka General Medical Center, Osaka, Japan; <sup>3</sup>Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan; <sup>4</sup>Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan; <sup>5</sup>Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan; <sup>6</sup>Pediatric Hepatology and Gastroenterology, Saiseikai Yokohamashi Tobu Hospital, Yokohama, Japan.
- 153 655 *INCREASED BILE ACID SECRETION WITHIN THE STOOL IN WILD TYPE RATS WITH 4 WEEKS OF EXERCISE.* Timothy Blaufuss<sup>1,2</sup>, E. Matthew Morris<sup>2</sup>, Colin McCoin<sup>2</sup>, John Thyfault<sup>2</sup>. <sup>1</sup>Children's Mercy Hospital, Kansas City, MO, USA; <sup>2</sup>Department of Molecular and Integrative Physiology, University of Kansas, Kansas City, KS, USA.
- 154 656 *ANTIVIRAL THERAPY DURING PREGNANCY SUCCESSFULLY PREVENTED MOTHER-TO-CHILD TRANSMISSION OF HEPATITIS B VIRUS INFECTION.* Tokio Sugiura<sup>1,2</sup>, Takeshi Endo<sup>2</sup>, Koichi Ito<sup>2</sup>, Mitsuyoshi Suzuki<sup>3</sup>, Hitoshi Tajiri<sup>4</sup>, Yasuhito Tanaka<sup>5</sup>, Shinji Saitoh<sup>2</sup>. <sup>1</sup>Pediatrics, Gamagori City Hospital, Gamagori, Aichi, Japan; <sup>2</sup>Pediatrics and Neonatology, Graduate School of Medical Sciences, Nagoya City University, Nagoya, Japan; <sup>3</sup>Pediatrics, Juntendo University Graduate School of Medicine, Tokyo, Japan; <sup>4</sup>Pediatrics, Osaka General Medical Center, Osaka, Japan; <sup>5</sup>Virology and Liver Unit, Graduate School of Medical Sciences, Nagoya City University, Nagoya, Japan.
- 155 657 *LIVER INJURY IN CHILDREN UNDERGOING TREATMENT FOR CANCER: ANALYSIS OF A LARGE SINGLE-CENTER COHORT.* Vanessa Cardenas<sup>3</sup>, Nikhil Mankuzhy<sup>4</sup>, Lili Zhao<sup>1</sup>, Maclovio Lopez<sup>3</sup>, Robert Fontana<sup>2</sup>, Rajen Mody<sup>4</sup>, Frank DiPaola<sup>3</sup>. <sup>1</sup>Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; <sup>2</sup>Division of Gastroenterology and Transplant Hepatology, Department of Internal Medicine, University of Michigan, Ann Arbor, MI, USA; <sup>3</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Department of Pediatrics and Communicable Diseases, University of Michigan, Ann Arbor, MI, USA; <sup>4</sup>Division of Pediatric Hematology and Oncology, Department of Pediatrics and Communicable Diseases, University of Michigan, Ann Arbor, MI, USA.
- 156 658 *IMMUNODEFICIENCY 47 PRESENTING WITH DIRECT HYPERBILIRUBINEMIA AND HEPATIC DYSFUNCTION IN IDENTICAL TWINS.* Yoseph Gurevich, Ying Lu. Pediatric Gastroenterology, Northwell Health, Cedarhurst, NY, USA.
- 157 659 *LACK OF ASSOCIATION BETWEEN MBOAT7 VARIANTS AND SERUM CYTOKERATIN 18 FRAGMENTS IN OBESE CHILDREN WITH NONALCOHOLIC FATTY LIVER DISEASE.* Yu-Cheng Lin<sup>1</sup>, Pi-Feng Chang<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.
- 158 660 *UTILITY OF TRANSIENT ELASTOGRAPHY TO MEASURE LIVER STIFFNESS AS A MARKER FOR FONTAN-ASSOCIATED LIVER FIBROSIS.* Yuki Cho<sup>1,2</sup>, Eiji Ehara<sup>3</sup>, Yuki Kawasaki<sup>3</sup>, Suzuki Tsugutoshi<sup>3</sup>, Daisuke Tokuhara<sup>1</sup>, Haruo Shintaku<sup>1</sup>, Yosuke Murakami<sup>3</sup>. <sup>1</sup>Department of Pediatrics, Osaka City

University Graduate School of Medicine, Osaka, Osaka, Japan; <sup>2</sup>Department of Pediatrics, Kashiwara Municipal Hospital, Kashiwara, Osaka, Japan; <sup>3</sup>Department of Pediatric Cardiology, Osaka City General Hospital, Osaka, Osaka, Japan.

- 159 661\* *BIOPSY-RELATED ADVERSE EVENTS DURING IWITH (NCT01638559), A MULTI-CENTER IMMUNOSUPPRESSION WITHDRAWAL TRIAL.* Yumirle Turmelle<sup>6</sup>, Emily Perito<sup>1</sup>, John Bucuvalas<sup>2</sup>, Mercedes Martinez<sup>5</sup>, Katharine Spain<sup>3</sup>, Sandy Feng<sup>4</sup>, Investigators iWITH<sup>7</sup>. <sup>1</sup>Pediatrics, University of California San Francisco, San Francisco, CA, USA; <sup>2</sup>Pediatrics, Cincinnati Children's Medical Center, Cincinnati, OH, USA; <sup>3</sup>Rho Inc, Chapel Hill, NC, USA; <sup>4</sup>Surgery, University of California San Francisco, San Francisco, CA, USA; <sup>5</sup>Pediatrics, Columbia University, New York, NY, USA; <sup>6</sup>Pediatrics, Washington University, St. Louis, MO, USA; <sup>7</sup>NIH, Bethesda, MD, USA.

### MICROBIOLOGY/INFECTIONS/PROBIOTICS

- 160 662 *MICROBIOME OF TRACHEAL SAMPLES FROM MECHANICALLY-VENTILATED PATIENTS DIAGNOSED WITH GASTRIC AND SALIVARY MICROASPIRATIONS.* Bassam Abomoelak<sup>1</sup>, Devendra Mehta<sup>1</sup>, Daleen Penoyer<sup>2</sup>, Shibu Yooseph<sup>2</sup>, Chirajyoti Deb<sup>1</sup>, Mary Lou Sole<sup>2</sup>. <sup>1</sup>GI, Orlando Health, Orlando, FL, USA; <sup>2</sup>UCF, Orlando, FL, USA.
- 161 663\* *EFFECT OF PROBIOTICS AND DIETARY CHANGES ON ADIPOSITY IN CHILDREN.* Lourdes Herrera<sup>1</sup>, David Strong<sup>2</sup>, Robert Knight<sup>3,1,4</sup>, Kyung Rhee<sup>1</sup>. <sup>1</sup>Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>2</sup>Family Medicine & Public Health Institute, University of California San Diego, San Diego, CA, USA; <sup>3</sup>Collaborative Mass Spectrometry Innovation Center, Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California San Diego, San Diego, CA, USA; <sup>4</sup>Department of Computer Science and Engineering, University of California San Diego, San Diego, CA, USA.
- 162 664 *QUALITY OF LIFE ASSESSMENT AND COST EFFECTIVENESS OF FECAL MICROBIOTA TRANSPLANT FOR RECURRENT C. DIFFICILE INFECTION IN A 3 YEAR OLD CHILD.* Luis Caicedo Oquendo, Annette Medina. Gastroenterology, Nicklaus Children's Hospital, Doral, FL, USA.
- 163 665 *CHANGES IN T CELL IMMUNOPHENOTYPES REFLECT IMMUNE MEMORY AFTER INTESTINAL TRANSPLANTATION.* Marjorie-Anne Guerra<sup>1</sup>, Maura Rossetti<sup>2</sup>, Robert Venick<sup>1,3</sup>, Elizabeth Marcus<sup>1</sup>, Sue McDiarmid<sup>1,3</sup>, Elaine Cheng<sup>3</sup>, Douglas Farmer<sup>3</sup>, Elaine Reed<sup>2</sup>, Laura Wozniak<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, UCLA, Los Angeles, CA, USA; <sup>2</sup>Immunogenetics Center, UCLA, Los Angeles, CA, USA; <sup>3</sup>Transplant Surgery, UCLA, Los Angeles, CA, USA.
- 164 666 *EBV VCA IGM AND CYTOMEGALOVIRUS IGM DUAL POSITIVITY IS A FALSE POSITIVE FINDING RELATED TO AGE AND HEPATIC INVOLVEMENT OF PRIMARY EPSTEIN-BARR VIRUS INFECTION IN CHILDREN.* Min Ji Sohn<sup>1</sup>, Jin Soo Moon<sup>2</sup>, Jae Sung Ko<sup>2</sup>, Hye Ran Yang<sup>1,2</sup>. <sup>1</sup>Pediatrics, Seoul National University Bundang Hospital, Seongnam, Korea (the Republic of); <sup>2</sup>Seoul National University College of Medicine, Seoul, Korea (the Republic of).
- 165 667 *H PYLORI INFECTION CAUSING HICCUPS IN A PEDIATRIC PATIENT.* Narendra Yallanki<sup>1</sup>, Lesley Small-harary<sup>1</sup>, Jennifer Lutz<sup>2</sup>, Lisa Wilks-Gallo<sup>2</sup>, Anupama Chawla<sup>1</sup>. <sup>1</sup>Peds Gastroenterology, Stony Brook University Hospital, New Hyde Park, NY, USA; <sup>2</sup>Pediatrics, Stony Brook, Stony Brook, NY, USA.
- 166 668 *HEPATITIS E DIAGNOSED AS AUTOIMMUNE HEPATITIS SUCCESSFULLY TREATED WITH CORTICOSTEROIDS.* Nathan Minkoff<sup>1</sup>, Kate Buzzi<sup>2</sup>, Stefan Haggmann<sup>3</sup>, Alex Williamson<sup>4</sup>, Ian Hoffman<sup>1</sup>. <sup>1</sup>Pediatrics, Cohen Children's Medical Center on New York Hofstra Northwell School of Medicine, Northwell Health, New Hyde Park, NY, USA; <sup>2</sup>Department of Pediatric Gastroenterology, Cohen Children's Medical Center Hofstra Northwell School of Medicine,

Northwell Health, New Hyde Park, NY, USA; <sup>3</sup>Division of Pediatric Infectious Diseases, Cohen's Children Medical Center of New York Hofstra Northwell School of Medicine, New Hyde Park, NY, USA; <sup>4</sup>Pediatric Pathology, Cohen Children's Medical Center Hofstra Northwell School of Medicine, Northwell Health, New Hyde Park, NY, USA.

- 167 669 *ASSOCIATION OF HEPATITIS C WITH DRUG PRACTICES PREVALENT IN ADOLESCENTS OF A DRUG REHABILITATION CENTER, OHIO.* Neil Fernandes<sup>1</sup>, Bonisha Sthapit<sup>1</sup>, Philip Fragassi<sup>1</sup>, Swagata Banik<sup>2</sup>, Neelab Abdullah<sup>2</sup>, Nazha Abughali<sup>1</sup>. <sup>1</sup>Pediatrics, Metrohealth Medical Center, Parma, OH, USA; <sup>2</sup>Public Health & Prevention Sciences, Baldwin Wallace University, Berea, OH, USA.
- 168 670 *PROTEIN-LOSING ENTEROPATHY WITH MUCOSAL EOSINOPHILIA - MENETRIER'S, CMV, EGE, OH MY!* Puneet Kumar<sup>2</sup>, Jason Park<sup>1,4</sup>, Megha Mehta<sup>3,5</sup>, Christina Baldwin<sup>3,5</sup>, Edaire Cheng<sup>3,5</sup>. <sup>1</sup>Pathology, University of Texas Southwestern Medical Center, Dallas, TX, USA; <sup>2</sup>Medical School, University of Texas Southwestern Medical Center, Dallas, TX, USA; <sup>3</sup>Pediatrics, University of Texas Southwestern Medical Center, Dallas, TX, USA; <sup>4</sup>Pathology, Children's Medical Center, Dallas, TX, USA; <sup>5</sup>Pediatrics, Children's Medical Center, Dallas, TX, USA.
- 169 671 *HERPES SIMPLEX ESOPHAGITIS IN IMMUNOCOMPETENT CHILDREN: A CASE SERIES.* RAPHAEL STURM, Jessica Barreto, Melissa Clemente. PEDIATRICS, NICKLAUS CHILDRENS HOSPITAL, HOLLYWOOD, FL, USA.
- 170 672 *CALCIUM-SENSING RECEPTOR INHIBITION OF CYCLIC NUCLEOTIDE-INDUCED ANION SECRETION IN INTESTINES IMPLICATES DOWN REGULATION OF MULTIPLE ION TRANSPORT MECHANISMS.* Svea Cheng<sup>1</sup>, Steven Winesett<sup>1</sup>, Lieqi Tang<sup>1</sup>, Henry Binder<sup>2</sup>, Sam Cheng<sup>1</sup>. <sup>1</sup>Pediatrics, University of Florida, Gainesville, FL, USA; <sup>2</sup>Internal Medicine, Yale University, New Haven, CT, USA.
- 171 673 *THE ASSOCIATION BETWEEN ABNORMAL PLACENTAL PATHOLOGY (CHORIOAMNIONITIS) AND NECROTIZING ENTEROCOLITIS IN PRETERM INFANTS.* Sharef Al-Mulaabed<sup>1</sup>, Fernanda Kupferman<sup>1</sup>, Mohamed Hamza<sup>1</sup>, James O'Donnell<sup>2</sup>, Dominique Jean-Baptiste<sup>1</sup>, Radha Nathan<sup>1</sup>. <sup>1</sup>Pediatrics, Brookdale University Hospital, New York, NY, USA; <sup>2</sup>Pathology, Brookdale University Hospital, New York, NY, USA.
- 172 674 *HERPES ESOPHAGITIS WITH CONCOMITANT EOSINOPHILIC ESOPHAGITIS IN A CHILD: A CASE REPORT.* Thomas Cristoforo<sup>1,2</sup>, Kristine Rietsma<sup>1,2</sup>, Michael Wilsey<sup>2</sup>, Alexander Wilsey<sup>3</sup>, Emily Swan<sup>3</sup>. <sup>1</sup>Pediatrics, University of South Florida, Tampa, FL, USA; <sup>2</sup>Pediatrics, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA; <sup>3</sup>Pre-Medical, Florida State University, Tallahassee, FL, USA.
- 173 675 *REFINING A MODEL FOR HIGH-THROUGHPUT SCREENING OF INTESTINAL PERMEABILITY: TNF $\alpha$  IMPACT ON CACO2 PERMEABILITY IS DEPENDENT ON CULTURE TIME.* Thomas Wallach<sup>1</sup>, Zev Gartner<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, University of California San Francisco, San Francisco, CA, USA; <sup>2</sup>Pharmaceutical Chemistry, University of California San Francisco, San Francisco, CA, USA.

#### NUTRITION

- 174 676 *AN ORANGE A DAY KEEPS THE DOCTOR AWAY: CHILDHOOD SCURVY AS AN UNUSUAL CASE OF REFUSAL TO WALK.* Katherine Tribble, Alia Broman, Stacy Garrison, Daphne Say. Pediatrics, University of California, Davis, Sacramento, CA, USA.

- 175 677\* *QUALITY IMPROVEMENT INITIATIVE TO DEVELOP A NEW ALGORITHM FOR MANAGEMENT OF FEVER IN CHILDREN WITH INTESTINAL FAILURE AND A CENTRAL LINE.* Jennifer Damman, Danielle Barnes, Colleen Nespor, John Kerner, Rachel Bensen. Pediatric Gastroenterology, Lucile Packard Children's Hospital, Stanford, Palo Alto, CA, USA.
- 176 678 *EFFECT OF PARENT AND CHILD EXECUTIVE FUNCTION ON CHILD CALORIC CONSUMPTION DURING A SNACKING PARADIGM.* Lourdes Herrera<sup>1</sup>, Jessie Bowers<sup>1</sup>, Kerri Boutelle<sup>1,2</sup>, David Strong<sup>3</sup>, Kyung Rhee<sup>1</sup>. <sup>1</sup>Pediatrics, University of California San Diego, San Diego, CA, USA; <sup>2</sup>Psychiatry, University of California San Diego, San Diego, CA, USA; <sup>3</sup>Department of Family Medicine & Public Health Institute, University of California San Diego, San Diego, CA, USA.
- 177 679 *THE BREAST MILK SODIUM TO POTASSIUM RATIO IS PREDICTIVE MARKER OF BREASTMILK STATUS FOR PRETERM MOTHERS.* Masahiko Murase<sup>2</sup>, Youko Satou<sup>1</sup>, Misato Hatuno<sup>2</sup>. <sup>1</sup>Obstetrics, Showa University, Shinagawaku, Japan; <sup>2</sup>Pediatrics, Showa University, Tokyo, Japan.
- 178 680 *ELECTRIC BIOIMPEDANCE REVEALS VARIATIONS IN BODY COMPOSITION IN CHILDREN AND ADOLESCENTS WITH CYSTIC FIBROSIS DURING HOSPITAL ADMISSION.* Matias Epifanio<sup>1,2</sup>, Aline dos Santos Sampaio<sup>2</sup>, Vera Bosa<sup>3</sup>, Paulo Marostica<sup>3</sup>, Luiza Preto<sup>2</sup>, Sabrina Fernandes<sup>4</sup>, Caroline a Abud Drumond Costa<sup>2</sup>, Rita Mattiello<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterologist, Hospital Santo Antonio, Porto Alegre, Rio Grande do Sul, Brazil; <sup>2</sup>Pontificia Universidade Católica do Rio Grande do Sul, Porto Alegre, RS, Brazil; <sup>3</sup>Universidade Federal do Rio Grande do Sul, Porto Alegre, Brasil, Porto Alegre, RS, Brazil; <sup>4</sup>Centro Metodista IPA, Porto Alegre, Brazil.
- 179 681 *RISK FACTORS FOR COPPER DEFICIENCY IN PEDIATRIC INTESTINAL FAILURE PATIENTS RECEIVING PARENTERAL NUTRITION: A LONGITUDINAL ANALYSIS.* Megan McGivney<sup>2</sup>, Danielle Stamm<sup>2</sup>, Enju Liu<sup>1,3</sup>, Andrea Hale<sup>3</sup>, Kathleen Gura<sup>2,4</sup>, Christopher Duggan<sup>1,2</sup>. <sup>1</sup>Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Center for Advanced Intestinal Rehabilitation, Boston Children's Hospital, Boston, MA, USA; <sup>3</sup>Institutional Centers for Clinical and Translational Research, Boston Children's Hospital, Boston, MA, USA; <sup>4</sup>Pharmacy, Boston Children's Hospital, Boston, MA, USA.
- 180 682 *EVALUATION OF THE EFFECT OF PALM OLEIN FREE FORMULA ON INTESTINAL FLORA AND GASTROINTESTINAL TOLERANCE IN INFANTS.* Merih Cetinkaya<sup>1</sup>, Seda Yilmaz Semerci<sup>1,2</sup>, Osman Ugurel<sup>2</sup>, Dilek Turgut Balik<sup>2</sup>. <sup>1</sup>Neonatology, Kanuni Sultan Suleyman Training and Research Center, Istanbul, Turkey; <sup>2</sup>Bioengineering, Yildiz Technical University, Faculty of Chemical and Metallurgical Engineering, Istanbul, Turkey.
- 181 683 *THE ROLE OF AUTOPHAGY IN INTESTINAL BARRIER DYSFUNCTION IN A MOUSE MODEL OF SEVERE MALNUTRITION.* Nathan Swain<sup>1,2</sup>, Marjon Feenstra<sup>2</sup>, Lijun Chi<sup>2</sup>, Ling Zhang<sup>2</sup>, Robert Bandsma<sup>1,2</sup>. <sup>1</sup>Department of Nutritional Sciences, University of Toronto, Toronto, ON, Canada; <sup>2</sup>Translational Medicine, The Hospital for Sick Children, Toronto, ON, Canada.
- 182 684 *CHANGES IN DIETARY INTAKE WITH IVACAFTOR TREATMENT IN ITALIAN AND NORTH AMERICAN SUBJECTS WITH CYSTIC FIBROSIS.* Nina Sainath<sup>1</sup>, Joan Schall<sup>1</sup>, Megan Oberle<sup>1</sup>, Carolyn Mcanlis<sup>1</sup>, Olivia Hess<sup>2</sup>, Chiara Bertolaso<sup>3</sup>, Virginia Stallings<sup>1,4</sup>. <sup>1</sup>Gastroenterology, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>University of Pennsylvania, Philadelphia, PA, USA; <sup>3</sup>Universita La Sapienza-Policlinico, Rome, Italy; <sup>4</sup>Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA.

- 183 685 *COW MILK PROTEIN ALLERGY - THE GREAT MASQUERADER.* Noémie Laverdure<sup>1</sup>, Josée Trebichavsky<sup>2</sup>, Soha Rached Dastous<sup>1</sup>, Kelly Grzywacz<sup>1</sup>, Valérie Marchand<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition Unit, Ste Justine Hospital, Montreal, QC, Canada; <sup>2</sup>Pediatric surgery, Ste Justine Hospital, Montréal, QC, Canada.
- 184 686 *PROVIDERS' PERSPECTIVES OF MANAGEMENT OF PEDIATRIC OBESITY-POTENTIAL BARRIERS AND HOW A CDSS COULD HELP?* Saumya Joshi, Quratulain Merchant, Hristos Milonas, Jiliu Xu. Pediatrics, SUNY Downstate, Brooklyn, NY, USA.
- 185 687 *AN INNOVATIVE APPROACH TO A CHALLENGING CASE IN INTESTINAL REHABILITATION: DRAMATIC REDUCTION IN PARENTERAL NUTRITION DEPENDENCE WITH NOVEL INTERVENTIONS IN CHILDREN'S HEALTHCARE (NICH).* Rachel Bensen<sup>1</sup>, Jennifer Damman<sup>1</sup>, Colleen Nespor<sup>3</sup>, David Wagner<sup>2</sup>, Michael Harris<sup>2</sup>, John Kerner<sup>1</sup>, Diana Naranjo<sup>1</sup>. <sup>1</sup>Pediatrics, Stanford University School of Medicine, Palo Alto, CA, USA; <sup>2</sup>Pediatrics, Oregon Health & Science University, Portland, OR, USA; <sup>3</sup>Stanford Children's Health, Palo Alto, CA, USA.
- 186 688 *COMMERCIALY PREPARED BLENDERIZED TUBE FEEDINGS: A SIMPLER ALTERNATIVE.* Sara Bibbens, Christine Collymore, David Jones. San Antonio Military Medical Center, San Antonio, TX, USA.
- 187 689 *CURRENT STATUS OF NUTRITIONAL SUPPORT FOR HOSPITALIZED CHILDREN: A NATIONWIDE MULTICENTER SURVEY IN SOUTH KOREA.* Seung Kim<sup>1</sup>, Eun Hye Lee<sup>3</sup>, Hye Ran Yang<sup>2</sup>. <sup>1</sup>Department of Pediatrics, Severance Children's Hospital, Seoul, Korea (the Republic of); <sup>2</sup>Department of Pediatrics, Seoul National University Bundang Hospital, Seoul, Korea (the Republic of); <sup>3</sup>Department of Pediatrics, Nowon Eulji Medical Center, Seoul, Korea (the Republic of).
- 188 690 *INFANT WITH PINK MILKY BLOOD: A VERY RARE CASE OF CHYLOMICRONEMIA MANAGED WITH FORMULA CONTAINING MCT AND DIETARY MODIFICATION.* Soumya Nagaraja, Radha Nathan, Ayesha Baig. Pediatric, Brookdale University Hospital, Brooklyn, NY, USA.
- 189 691 *VARIATIONS IN ENTERAL NUTRITIONAL PRACTICES AND GROWTH OUTCOMES FOR VERY LOW BIRTH WEIGHT INFANTS IN TWO TERTIARY NEONATAL INTENSIVE CARE UNITS.* Tanyaporn Kaenkumchorn<sup>1</sup>, Jacqueline Razzaghy<sup>2</sup>, Myla Ebeling<sup>2</sup>, Paula Meier<sup>1</sup>, Kousiki Patra<sup>1</sup>, Aloka Patel<sup>1</sup>, Sarah Taylor<sup>2</sup>. <sup>1</sup>Pediatrics, Rush Children's Hospital, Chicago, IL, USA; <sup>2</sup>Pediatrics, Medical University of South Carolina, Charleston, SC, USA.
- 190 692 *NUTRITIONAL COST OF NECROTIZING ENTEROCOLITIS AMONG PRETERM INFANTS IN THE NEONATAL INTENSIVE CARE UNIT.* Thu Pham<sup>1</sup>, Mridula Sunkara<sup>1</sup>, Lea Mallett<sup>1,2</sup>, Sugianawaty Mulia<sup>1</sup>, Ben Barnard<sup>1</sup>, Michelle Law<sup>1</sup>, Joseph Cantey<sup>1,2</sup>. <sup>1</sup>Pediatrics, Baylor Scott & White Healthcare, Temple, TX, USA; <sup>2</sup>Pediatrics, Texas A&M Health Science Center, Temple, TX, USA.
- 191 693 *DIARRHEA DILEMMA: A NOVEL CONGENITAL DIARRHEAL DISORDER.* Julie Sanville<sup>1</sup>, Timothy Menz<sup>1</sup>, Ashish Gupta<sup>2</sup>, Juan Sanchez-Esteban<sup>2</sup>, Carolina Cerezo<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Brown University/Hasbro Children's Hospital, North Chelmsford, MA, USA; <sup>2</sup>Neonatology and Perinatal Medicine, Brown University/Women and Infant's Hospital, Providence, RI, USA.
- 192 694 *SYSTEMATIC REVIEW OF HYPERSENSITIVITY TO PARENTERAL NUTRITION.* Vikram Christian<sup>1</sup>, Cassandra Walia<sup>2</sup>, Matthew Tallar<sup>1</sup>, Praven 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.

- 193 695 *CHALLENGES OF INFANT FEEDING: THE PROBLEM OF FREQUENT FORMULA CHANGES.* Vylma Velazquez, Yanerys Colon, Liza Gonzalez, Carlos Camacho. Pediatrics, Hospital Episcopal San Lucas, Coto Laurel, , USA.
- 194 696 *MULTIVARIATE MODEL TO ESTIMATE ABDOMINAL WALL THICKNESS IN CHILDREN UNDERGOING PLACEMENT OR REPLACEMENT OF GASTROSTOMY DEVICES.* Young Mee Choi<sup>1,2</sup>, Suhong Tong<sup>3</sup>, Rebecca Jacobson<sup>1</sup>, Gregory Kobak<sup>2,5</sup>, Kari Hayes<sup>2,4</sup>, Steven Moulton<sup>1,2</sup>. <sup>1</sup>Pediatric Surgery, Children's Hospital Colorado, Aurora, CO, USA; <sup>2</sup>University of Colorado School of Medicine, Aurora, CO, USA; <sup>3</sup>Pediatrics, University of Colorado School of Medicine, Aurora, CO, USA; <sup>4</sup>Pediatric Radiology, Children's Hospital Colorado, Aurora, CO, USA; <sup>5</sup>Pediatric Gastroenterology, Children's Hospital Colorado, Aurora, CO, USA.
- 195 697 *EFFECT OF STANDARDIZED FEEDING PROTOCOL ON NUTRIENT SUPPLY AND POSTNATAL GROWTH OF PRETERM INFANTS: A PROSPECTIVE STUDY.* Zahra Khan<sup>1,2</sup>, Nicholas Morris<sup>1</sup>, nadja haiden<sup>3</sup>, Sandra Holasek<sup>4</sup>, Berndt Urlesberger<sup>1</sup>. <sup>1</sup>Division of Neonatology, Children Hospital, Medical University Graz, Graz, Austria; <sup>2</sup>Food Science and Human Nutrition, University of Veterinary and Animal Sciences Lahore, Lahore, Punjab, Pakistan; <sup>3</sup>Division of Neonatology, Medical University of Vienna, Vienna, Austria; <sup>4</sup>Institute of Pathophysiology and Immunology, Medical University of Graz, Graz, Austria.
- PANCREAS/CELIAC/MALABSORPTION**
- 196 698 *IDIOPATHIC HEMORRHAGIC PANCREATITIS IN A PEDIATRIC PATIENT.* Meredith Harvie<sup>1</sup>, Tsega Temtem<sup>3</sup>, John Eshun<sup>3,2</sup>, Dennis Black<sup>3,2</sup>. <sup>1</sup>Pediatric, UTHSC, Memphis, TN, USA; <sup>2</sup>Pediatric Gastroenterology, Le Bonheur Children's Hospital, Memphis, TN, USA; <sup>3</sup>Pediatric Gastroenterology, UTHSC, Memphis, TN, USA.
- 197 699 *UTILIZATION OF ULTRASOUND IN DIFFERENT AGE GROUPS OF CHILDREN WITH ACUTE PANCREATITIS.* Michael Dolinger<sup>2</sup>, Jonathan Miller<sup>2</sup>, Samuel Bitton<sup>1</sup>, Peter Nauka<sup>3</sup>, Nina Kohn<sup>4</sup>, Toba Weinstein<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Steven and Alexandra Cohen Children's Medical Center, Northwell Health, New Hyde Park, NY, USA; <sup>2</sup>General Pediatrics, Steven and Alexandra Cohen Children's Medical Center, Northwell Health, New Hyde Park, NY, USA; <sup>3</sup>Hofstra Northwell School of Medicine, Hempstead, NY, USA; <sup>4</sup>Biostatistics unit, Feinstein Institute for Medical Research, Great Neck, NY, USA.
- 198 700 *PREVALENCE OF NEUROLOGICAL SYMPTOMS IN CHILDREN WITH GLUTEN RELATED DISORDERS.* Kajal Sangal<sup>4</sup>, Stephanie Camhi<sup>2</sup>, Rosiane Lima<sup>2</sup>, Victoria Kenyon<sup>2</sup>, Alessio Fasano<sup>1,2,3</sup>, Maureen Leonard<sup>1,2,3</sup>. <sup>1</sup>Pediatric Gastroenterology and Nutrition, MassGeneral Hospital for Children, Boston, MA, USA; <sup>2</sup>Center for Celiac Research and Treatment, MassGeneral Hospital for Children, Boston, MA, USA; <sup>3</sup>Pediatrics, Harvard Medical School, Boston, MA, USA; <sup>4</sup>Boston University School of Medicine, Boston, MA, USA.
- 199 701 *BUN LEVELS: A MARKER FOR SEVERITY IN PEDIATRIC ACUTE PANCREATITIS?* Peter Farrell<sup>1,2</sup>, Ashley Serrette<sup>2</sup>, Peter Farmer<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Cincinnati Children's Medical Center, Cincinnati, OH, USA; <sup>2</sup>Pediatrics, EVMS/CHKD, Norfolk, VA, USA.
- 200 702 *ENDOTHERAPY FOR POST-PANCREATIC FLUID COLLECTIONS.* Prasanna Kapavarapu<sup>1</sup>, Kulwinder Dua<sup>2</sup>, David Gregg<sup>3</sup>, Jose Cabrera<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Children's Hospital of Wisconsin, Wauwatosa, WI, USA; <sup>2</sup>Gastroenterology, Medical College of Wisconsin, Milwaukee, WI, USA; <sup>3</sup>Radiology, Children's Hospital of Wisconsin, Milwaukee, WI, USA.

- 201 703 *SUSPENDING DIAGNOSTIC BIAS: A RARE CAUSE OF EMESIS AND ABDOMINAL PAIN.* Price Edwards<sup>1</sup>, Jennifer Lee<sup>1,2</sup>, Cary Cavender<sup>2</sup>. <sup>1</sup>Pediatrics, UTHSC, Memphis, TN, USA; <sup>2</sup>Pediatric Gastroenterology, UTHSC, Memphis, TN, USA.
- 202 704 *PRSS1 MUTATIONS AND AGE OF ONSET PREDICT RAPID PROGRESSION FROM ACUTE RECURRENT TO CHRONIC PANCREATITIS IN CHILDHOOD.* Quin Liu<sup>1</sup>, Maisam Abu-El-Haija<sup>2</sup>, Sohail Husain<sup>3</sup>, Bridget Zimmerman<sup>4</sup>, Bradley Barth<sup>5</sup>, Melena Bellin<sup>6</sup>, Douglas Fishman<sup>7</sup>, Steven Freedman<sup>8</sup>, Cheryl Garipey<sup>9</sup>, Matthew Giefer<sup>10</sup>, Tanja Gonska<sup>11</sup>, Melvin Heyman<sup>12</sup>, Ryan Himes<sup>7</sup>, Tom Lin<sup>2</sup>, Mark Lowe<sup>13</sup>, Asim Maqbool<sup>14</sup>, Maria Mascarenhas<sup>14</sup>, Veronique Morinville<sup>15</sup>, Emily Perito<sup>12</sup>, David Piccoli<sup>14</sup>, Joseph Palermo<sup>2</sup>, Sue Rhee<sup>12</sup>, John Pohl<sup>16</sup>, Sarah Schwarzenberg<sup>6</sup>, Uzma Shah<sup>17</sup>, David Troendle<sup>5</sup>, Steven Werlin<sup>18</sup>, Michael Wilschanski<sup>19</sup>, Chee Ooi<sup>20</sup>, Jaimie Nathan<sup>2</sup>, Brian McFerron<sup>21</sup>, Yuhua ZhenG<sup>22</sup>, Aliye Uc<sup>4</sup>. <sup>1</sup>Gastroenterology, Cedars-Sinai Medical Center, Los Angeles, CA, USA; <sup>2</sup>University of Cincinnati/Cincinnati Children's Medical Center, Cincinnati, OH, USA; <sup>3</sup>University of Pittsburgh/Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>4</sup>University of Iowa/University of Iowa Children's Hospital, Iowa City, IA, USA; <sup>5</sup>University of Texas Southwestern/Children's Medical Center, Dallas, TX, USA; <sup>6</sup>University of Minnesota/University of Minnesota Medical Center, Minneapolis, MN, USA; <sup>7</sup>Baylor College of Medicine/Texas Children's Hospital, Houston, TX, USA; <sup>8</sup>Harvard Medical School/Beth Israel Deaconess Medical Center, Boston, MA, USA; <sup>9</sup>The Ohio State University/Nationwide Children's Hospital, Columbus, OH, USA; <sup>10</sup>University of Washington/Seattle Children's Hospital, Seattle, WA, USA; <sup>11</sup>University of Toronto/The Hospital for Sick Children, Toronto, ON, Canada; <sup>12</sup>University of California San Francisco/UCSF Benioff Children's Hospital, San Francisco, CA, USA; <sup>13</sup>Washington University/St. Louis Children's Hospital, St. Louis, MO, USA; <sup>14</sup>University of Pennsylvania/Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>15</sup>McGill University/Montreal Children's Hospital, Montreal, QC, Canada; <sup>16</sup>University of Utah/Primary Children's Hospital, Salt Lake City, UT, USA; <sup>17</sup>Harvard Medical School/Massachusetts General Hospital, Boston, MA, USA; <sup>18</sup>Medical College of Wisconsin/Children's Hospital of Wisconsin, Milwaukee, WI, USA; <sup>19</sup>Hadassah University Medical Center, Jerusalem, Israel; <sup>20</sup>University of South Wales/Sydney Children's Hospital Randwick, Bondi Junction, New South Wales, Australia; <sup>21</sup>Indiana University/Riley Children's Hospital, Indianapolis, IN, USA; <sup>22</sup>University of Southern California/Children's Hospital Los Angeles, Los Angeles, CA, USA.
- 203 705 *MICROBIOTA-DERIVED MOLECULES AMELIORATE PRO-INFLAMMATORY CYTOKINES PROFILE IN GUT ORGANOID-DERIVED MONOLAYERS FROM HEALTHY AND CELIAC PATIENTS AFTER GLIADIN EXPOSURE.* Rachel Freire<sup>1</sup>, Laura Ingano<sup>1</sup>, Weishy Zhu<sup>1</sup>, Anna Sapone<sup>1</sup>, Dennis Kasper<sup>2</sup>, Alessio Fasano<sup>1</sup>, Stefania Senger<sup>1</sup>. <sup>1</sup>Pediatrics, Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA; <sup>2</sup>Microbiology and Immunobiology, Harvard Medical School, Boston, MA, USA.
- 204 706 *UTILITY OF TOMOGRAPHIC CLASSIFICATIONS IN PREDICTING UNFAVORABLE OUTCOMES IN CHILDREN WITH ACUTE PANCREATITIS.* Rafael Guerrero-Lozano<sup>1</sup>, Yojhan Izquierdo<sup>2</sup>, Viviana Fonseca<sup>1</sup>, Luz Ángela Moreno<sup>2,3</sup>, Rubén Montoya<sup>2,3</sup>. <sup>1</sup>Pediatrics, Universidad Nacional de Colombia, Bogotá, IT, Colombia; <sup>2</sup>Radiology, Universidad Nacional de Colombia, Bogotá, Colombia; <sup>3</sup>Hospital de la Misericordia, Bogotá, Colombia.
- 205 707 *MUCOSAL IGA AND MICROBIOTA ANALYSIS IN PATIENTS WITH CELIAC DISEASE.* Ricardo Medina-Centeno<sup>1,3</sup>, Michele Alkalay<sup>1,3</sup>, Julie Mirpuri<sup>2,4</sup>, Rinarani Sanghavi<sup>1,3</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Texas, Southwestern Medical Center, Dallas, TX, USA; <sup>2</sup>Neonatal-Perinatal Medicine, University of Texas, Southwestern Medical Center, Dallas, TX, USA; <sup>3</sup>Children's Health Medical Center, Dallas, TX, USA; <sup>4</sup>Children's Health Medical Center, Dallas, TX, USA.

- 206 708 *CELIAC DISEASE AND NEUROFIBROMATOSIS TYPE 1 IN AND AFRICAN-MERICAN CHILD.* Richard Mones<sup>1</sup>, Leonid Topper<sup>1</sup>, Nelly Jouayed Oundjian<sup>1</sup>, Kalpana Singh<sup>1</sup>, Ilene Fennoy<sup>1,2</sup>. <sup>1</sup>Pediatrics, Harlem Hospital, Columbia University, New York, NY, USA; <sup>2</sup>Pediatrics, Columbia University, New York, NY, USA.
- 207 709 *ISOLATED VITAMIN A DEFICIENCY IN AN ADOLESCENT WITH SHWACHMAN-DIAMOND SYNDROME.* Sabina Sabharwal, Alexandra Carey. Gastroenterology and Nutrition, Boston Children's Hospital, Boston, MA, USA.
- 208 710 *NOVEL MUTATIONS AND GENETICS OF EPCAM IN CONGENITAL TUFTING ENTEROPATHY.* Sagar Pathak<sup>1</sup>, James Mueller<sup>2</sup>, Jozef Hertecant<sup>3</sup>, Lynn Greenhalgh<sup>4</sup>, Trevor Cole<sup>5</sup>, Vered Pinsk<sup>12</sup>, Odul Gurkan<sup>6</sup>, Ramesh Srinivasan<sup>7</sup>, Sandy Oesterreicher<sup>8</sup>, Sandhia Naik<sup>9</sup>, Ian Sanderson<sup>10</sup>, Irene Axelsson<sup>11</sup>, Daniel Agardh<sup>11</sup>, Chris Putnam<sup>1</sup>, Martin Martin<sup>13</sup>, Mamata Sivagnanam<sup>1</sup>. <sup>1</sup>UCSD, La Jolla, CA, USA; <sup>2</sup>Pediatrics, UCSD, La Jolla, CA, USA; <sup>3</sup>Tawan Hospital, UAE National University, Abu Dhabi, United Arab Emirates; <sup>4</sup>Liverpool Women's NHS Foundation Trust, Liverpool, United Kingdom; <sup>5</sup>Alder Hey Children's Hospital, Liverpool, United Kingdom; <sup>6</sup>Gazi University School of Medicine, Ankara, Turkey; <sup>7</sup>Apollo Health City, Hyderabad, India; <sup>8</sup>Rocky Mountain Pediatric Gastroenterology, Lone Tree, CO, USA; <sup>9</sup>Barts and the London Children's Hospital, London, United Kingdom; <sup>10</sup>Barts and the London School of Medicine, London, United Kingdom; <sup>11</sup>Skane University Hospital Malmö, Malmö, Sweden; <sup>12</sup>Soroka Medical Center, Beer-Sheva, Israel; <sup>13</sup>UCLA, Los Angeles, CA, USA.
- 209 711 *HIGH SMAD7 CORRELATES WITH CLINICAL INFLAMMATORY PHENOTYPE IN PAKISTANI AND ZAMBIAN CHILDREN WITH ENVIRONMENTAL ENTEROPATHY.* Sana Syed<sup>2,1</sup>, Vincenzo Dinallo<sup>3</sup>, Najeeha Iqbal<sup>2</sup>, Laura Di Iorio<sup>3</sup>, Davide Di Fusco<sup>3</sup>, Shan Guleria<sup>1</sup>, Beatrice Amadi<sup>4</sup>, Shahida Qureshi<sup>2</sup>, Kamran Sadiq<sup>2</sup>, Kumail Ahmed<sup>2</sup>, Aneeta Hotwani<sup>2</sup>, S. Asad Ali<sup>2</sup>, Paul Kelly<sup>5,4</sup>, Giovanni Monteleone<sup>3</sup>. <sup>1</sup>Pediatrics, University of Virginia, Charlottesville, VA, USA; <sup>2</sup>Pediatrics, Aga Khan University, Karachi, Pakistan; <sup>3</sup>Systems Medicine, University of Rome 'Tor Vergata', Rome, Italy; <sup>4</sup>Tropical Gastroenterology and Nutrition group, University of Zambia School of Medicine, Lusaka, Zambia; <sup>5</sup>Blizard Institute, Barts and The London School of Medicine, Queen Mary University of London, London, United Kingdom.
- 210 712 *A RARE CASE OF LEUKOCYTOCLASTIC VASCULITIS IN AN ADOLESCENT WITH CELIAC DISEASE.* Sherin Daniel<sup>1</sup>, Michelle Tobin<sup>1</sup>, Anupama Chawla<sup>1</sup>, Daniel Lozeau<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Stony Brook University Hospital, South Setauket, NY, USA; <sup>2</sup>Pathology, Stony Brook University Hospital, South Setauket, NY, USA.
- 211 713 *MOST ASPARAGINASE USERS ARE PROTECTED AGAINST PANCREATITIS BECAUSE THEY HAVE THE CAPACITY TO UPREGULATE PANCREATIC ASPARAGINE SYNTHETASE.* Nayyar Ahmad, Fateema Rose, Tanveer Javed, Li Wen, Amitava Mukherjee, Sohail Husain. Pediatrics, U of Pittsburgh, Pittsburgh, PA, USA.
- 212 714 *INTRACTABLE DIARRHEA DUE TO UNDIAGNOSED DGAT1 MUTATION LEADING TO SEVERE ELECTROLYTE DERANGEMENTS, PNEUMATOSIS INTESTINALIS, PROTEIN-LOSING ENTEROPATHY, AND RICKETS IN A FEMALE INFANT.* Thomas Ratchford, Amelia Kirby, Hailey Pinz, Dhiren Patel. Pediatrics, Saint Louis University, St Louis, MO, USA.

- 213 715 *THE BENEFITS OF ENDOSCOPIC ULTRASOUND IN THE SETTING OF AN ELEVATED PANCREATIC POLYPEPTIDE IN A 17 YEAR OLD MALE WITH UNDERLYING MULTIPLE ENDOCRINE NEOPLASIA TYPE 1 (MEN1).* Timothy Hadley<sup>1</sup>, Swati Echuri<sup>2</sup>, Field Willingham<sup>3</sup>, Christopher Fritzen<sup>4</sup>, A. Jay Freeman<sup>1</sup>. <sup>1</sup>Pediatric GI, Hepatology, and Nutrition, Emory University, Avondale Estates, GA, USA; <sup>2</sup>Pediatric Endocrinology, Emory University, Atlanta, GA, USA; <sup>3</sup>Dept. of Medicine, Gastroenterology, Advanced Endoscopy, Emory University, Atlanta, GA, USA; <sup>4</sup>Department of Advanced Endoscopy, Children's Healthcare of Atlanta, Atlanta, GA, USA.
- 214 716 *PANCREATIC PSEUDOCYST FORMATION IN A PEDIATRIC PATIENT WITH LEFT VENTRICULAR ASSIST DEVICE.* Vignesh Ramachandran<sup>1</sup>, Kevin Shah<sup>1</sup>, Frances Lee<sup>6</sup>, Iki Adachi<sup>2</sup>, Aamir Jeewa<sup>3</sup>, Kristin Whitfield van Buren<sup>4</sup>, Monica Lopez<sup>5</sup>, Jose Rodriguez<sup>5</sup>, Douglas Fishman<sup>4</sup>. <sup>1</sup>Office of Undergraduate Medical Education, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Congenital Heart Surgery, Texas Children's Hospital, Houston, TX, USA; <sup>3</sup>Division of Pediatric Cardiology, The Hospital for Sick Children, Toronto, ON, Canada; <sup>4</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Texas Children's Hospital, Houston, TX, USA; <sup>5</sup>Division of Pediatric Surgery, Texas Children's Hospital, Houston, TX, USA; <sup>6</sup>Department of Pediatrics, Baylor College of Medicine, Houston, TX, USA.
- 215 717 *AWARENESS OF ACUTE RECURRENT PANCREATITIS (ARP) AND CHRONIC PANCREATITIS (CP) SHOULD BE FURTHER ADDRESSED IN PRIMARY CARE PHYSICIANS - A SINGLE PEDIATRIC CENTER EXPERIENCE WITH DIAGNOSIS TIMING OF ACUTE RECURRENT PANCREATITIS (ARP) AND CHRONIC PANCREATITIS (CP).* YUHUA ZHENG. Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA.
- 216 718 *EPIDEMIOLOGICAL COMPARISON OF ACUTE AND CHRONIC PANCREATITIS IN CHILDREN AND ADULTS.* Zachary Sellers<sup>1</sup>, Donna MacIsaac<sup>2</sup>, Helen Yu<sup>1</sup>, Ke-You Zhang<sup>3</sup>, Rachel Bensen<sup>1</sup>, Jessie Wong<sup>4</sup>, Aditi Gupta<sup>1</sup>, Cindy Kin<sup>2</sup>, KT Park<sup>1</sup>. <sup>1</sup>Pediatric Gastroenterology, Hepatology, and Nutrition, Stanford University, Palo Alto, CA, USA; <sup>2</sup>Surgery, Stanford University, Palo Alto, CA, USA; <sup>3</sup>Pediatrics, Stanford University, Palo Alto, CA, USA; <sup>4</sup>VA Palo Alto Healthcare System, Palo Alto, CA, USA.
- 217 719 *VARIATION IN PROVIDER ORDERING PRACTICES OF DXA SCANS IN PEDIATRIC PATIENTS WITH CELIAC DISEASE.* Jennifer Webster, Ritu Verma. Pediatric Gastroenterology, The Children's Hospital of Philadelphia, Philadelphia, PA, USA.
- APGNN**
- 218 720 *DOES THE EVIDENCE SUPPORT PREMEDICATING PEDIATRIC CROHN'S DISEASE PATIENTS WITH ANTIHISTAMINES DURING INFliximab INFUSIONS?* Kerri Fournier, Joan Shea. Nursing, Boston Children's Hospital, Boston, MA, USA.
- 219 721 *UTILIZATION OF A CLINICAL DECISION SUPPORT TOOL FOR PATIENTS NEWLY DIAGNOSED WITH CROHN'S DISEASE.* Barbara Drobnic, Melanie Oates, Jennifer Dotson, Ross Maltz, Brendan Boyle, Amy Donegan, Jennifer Smith, Marci Johnson, Rose Schroedl, Laura Mackner, Wallace Crandall, Amy Peasley. Gastroenterology, Nationwide Children's Hospital, Johnstown, OH, USA.
- 220 722 *PRELIMINARY STUDY OF ATYPICAL ULCERATIVE COLITIS AND INFLAMMATORY BOWEL DISEASE UNCLASSIFIED IN KOREAN PEDIATRIC ONSET IBD.* Sunghye Lee, Kyung Mo Kim, Seak Hee Oh. Pediatrics, Asan Medical Center, Seoul, Korea (the Republic of).

- 221 723 *MRI IMAGING: A PERSONALIZED APPROACH TO UNDERSTANDING FATTY LIVER DISEASE.* Paige Shyken<sup>2</sup>, Joy Ito<sup>2</sup>, jie deng<sup>2</sup>, Saeed Mohammad<sup>1,2</sup>, Mark Fishbein<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, Northwestern University, Hinsdale, IL, USA; <sup>2</sup>Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA.
- 222 724 *IBD & CRYPTOSPORIDIUM.* Patricia Bierly. GI, The Children's of Phila, Willow Grove, PA, USA.
- 223 725 *A HOSPITAL WIDE QUALITY IMPROVEMENT PROJECT TO OPTIMIZE MATERNAL BREAST MILK SUPPLY IN MOTHERS WITH INFANTS IN THE NEONATAL INTENSIVE CARE UNIT.* Nancy Murray<sup>1,2</sup>, Mel Buman<sup>3</sup>, Jill Kigler-Owens<sup>1</sup>. <sup>1</sup>NICU, Methodist Women's Hospital, Omaha, NE, USA; <sup>2</sup>Neonatal Care PC, Omaha, NE, USA; <sup>3</sup>Labor and Delivery, Methodist Women's Hospital, Omaha, NE, USA.
- 224 726 *EFFECTS OF IMPLEMENTATION OF INFANT DRIVEN FEEDING (IDF) PROTOCOLS WHICH INCLUDED PRE AND POST BREAST FEEDING WEIGHTS IN 35 WEEK GESTATIONAL AGE INFANTS IN THE NEONATAL INTENSIVE CARE UNIT (NICU).* Nancy Murray<sup>1,2</sup>. <sup>1</sup>NICU, Methodist Women's Hospital, Omaha, NE, USA; <sup>2</sup>Neonatal Care PC, Omaha, NE, USA.
- 225 727 *BODY COMPOSITION IN CHILDREN WITH CYSTIC FIBROSIS IN THE INSTITUTO NACIONAL DE PEDIATRIA, MEXICO CITY.* MIRIAM BAUTISTA<sup>1,2</sup>. <sup>1</sup>GASTROENTEROLOGÍA Y NUTRICIÓN, INSTITUTO NACIONAL DE PEDIATRIA, CIUDAD DE MEXICO, MEXICO, Mexico; <sup>2</sup>Cancer Center, The American British Cowdray Medical Center, Mexico City, Mexico.
- 226 728 *TO DETERMINE THE EFFECT THAT FREEZING AND THAWING HAS ON THE VISCOSITY OF HOMEMADE BLENDERIZED FORMULA TO BE FED BY GASTROSTOMY TUBE.* Sharon Weston, Lauren Sorel, Tracie Clarke, Wendy Elverson. Center for Nutrition, Boston Children's Hospital, Boston, MA, USA.
- 227 729 *NUTRITIONAL SUPPORT IN THE CARDIOVASCULAR INTENSIVE CARE UNIT AT THE INSTITUTO NACIONAL DE PEDIATRIA - MEXICO DURING 2012 - 2015.* Beatriz Pinzon Navarro<sup>1,2</sup>. <sup>1</sup>Gastroenterology and Nutrition, Instituto Nacional de Pediatría, Mexico City, Mexico City, Mexico; <sup>2</sup>Surgery and Nutrition, Star Medica Hospital Infantil Privado, Mexico City, Mexico.
- 228 730 *PANCREAS CARE CENTER SUCCESS: PRE-VISIT PLANNING AND QUALITY IMPROVEMENT PROCESS IN CHILDREN WITH PANCREATIC DISEASE.* Angela Turner<sup>1</sup>, Jennifer Jacob<sup>1</sup>, Tom Lin<sup>1</sup>, Jaimie Nathan<sup>2</sup>, Maisam Abu-El-Haija<sup>1</sup>. <sup>1</sup>Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital, Cincinnati, OH, USA; <sup>2</sup>Pediatric Surgery, Cincinnati Children's Hospital, Cincinnati, OH USA

#### MENTORED SUMMER STUDENT PROGRAM

- 229 *DIET AND EXERCISE IN PEDIATRIC LIVER TRANSPLANT RECIPIENTS: HABITS AND ASSOCIATION WITH METABOLIC SYNDROME.* Julia Chambers, University of California, San Francisco
- 230 *PREDICTION OF RESPONSE TO EXCLUSIVE ENTERAL NUTRITION IN PEDIATRIC CROHN DISEASE BASED ON PREVIOUS DIET.* Morgan Lawley, University of Alberta



## CONCURRENT SESSION V

### Endoscopy II

Saturday, November 4, 2017

2:00pm – 3:30pm

Augustus 5 - 6

Moderators: Robert Kramer MD and Ali Mencin MD

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- 2:00 UNSEDATED IN OFFICE ENDOSCOPY: IS THIS THE FINAL FRONTIER? MONITORING PEDIATRIC ESOPHAGITIS AND EOSINOPHILIC ESOPHAGITIS USING UNSEDATED TRANSNASAL ESOPHAGOSCOPY (TNE)  
Joel Friedlander MD, Children's Hospital Colorado  
Learning objectives:
1. To review the literature and background on the use of unседated TNE in adult and pediatric gastroenterology
  2. To learn about the available equipment and methods to accomplish in office pediatric unседated TNE including hands on exposure with a 3d model
  3. To review the reported indications, age ranges, safety, and experience in pediatric TNE
  4. To review the financial models of TNE in pediatrics
  5. To review future opportunities for study and research involving unседated in office endoscopy
- 2:30 731 - UNSEDATED IN-OFFICE TRANSNASAL ENDOSCOPY IS SAFE AND EFFECTIVE IN MONITORING DISEASE ACTIVITY IN PEDIATRIC EOSINOPHILIC AND NON-EOSINOPHILIC ESOPHAGEAL DISEASE. Nathalie Nguyen<sup>1,2</sup>, William Lavery<sup>3,2</sup>, Kelley Capocelli<sup>4,2</sup>, Emily DeBoer<sup>5,2</sup>, Robin Deterding<sup>5,2</sup>, Jeremy Prager<sup>6,2</sup>, Clint Smith<sup>1,2</sup>, Krystal Mesenbrink<sup>1,2</sup>, Robert Kramer<sup>1,2</sup>, Glenn Furuta<sup>1,2</sup>, Joel Friedlander<sup>1,2</sup>.  
<sup>1</sup>Pediatric Gastroenterology, Hepatology & Nutrition, Children's Hospital of Colorado, Aurora, CO, USA; <sup>2</sup>University of Colorado, Aurora, CO, USA; <sup>3</sup>Department of Pediatrics, Children's Hospital of Colorado, Aurora, CO, USA; <sup>4</sup>Department of Pathology, Children's Hospital of Colorado, Aurora, CO, USA; <sup>5</sup>Breathing Institute, Section of Pulmonary Medicine, Children's Hospital of Colorado, Aurora, CO, USA; <sup>6</sup>Department of Otolaryngology, Children's Hospital of Colorado, Aurora, CO, USA.
- 2:42 ANESTHESIA AND THE DEVELOPING BRAIN: SCOPING OUT THE FDA'S BLACK BOX WARNING FOR PEDIATRIC GASTROENTEROLOGY  
Jenifer Lightdale MD, UMass Memorial Children's Medical Center  
Learning objectives:
1. Review established mechanisms leading to anesthetic neuronal injury including GABA receptor agonism, NMDA receptor antagonism and apoptosis
  2. Summarize animal models and evidence for neurotoxicity sustained in developing brains during administration of a variety of anesthetics
  3. Discuss recent results of the well-designed, prospective GAS and PANDA clinical trials in young children that have not found strong effects of short duration anesthetics on cognition or behavior
  4. Consider implications of the December 2016 FDA Black Box warning for decision-making and informed consent in the context of common pediatric gastrointestinal procedures
- NASPGHAN Endoscopy Prize**
- 3:12 732 - ENDOSCOPIC VACUUM SPONGE THERAPY FOR THE TREATMENT OF ESOPHAGEAL PERFORATIONS IN PEDIATRIC PATIENTS. Michael Manfredi<sup>1</sup>, Susannah Clark<sup>2</sup>, Peter Ngo<sup>1</sup>, C Smithers<sup>2</sup>, Thomas Hamilton<sup>2</sup>, Shawn Medford<sup>1</sup>, Russell Jennings<sup>2</sup>. <sup>1</sup>Medicine, Boston Children's Hospital, Boston, MA, USA; <sup>2</sup>Surgery, Boston Children's Hospital, Boston, MA, USA.

## CONCURRENT SESSION V

### Global Health

Saturday, November 4, 2017

2:00pm – 3:30pm

Milano 7 - 8

Moderators: Suzanna Attia MD and George Fuchs MD

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2:00 FROM UNDERSTANDING PATHOPHYSIOLOGICAL MECHANISMS TO IMPROVED OUTCOMES OF MALNOURISHED CHILDREN

Robert Bandsma MD, Hospital for Sick Children

Learning objectives:

1. To understand the mechanisms behind wasting
2. To learn how different organ systems are affected in malnutrition
3. To gain knowledge into the mechanisms behind the metabolic disturbances in malnutrition

2:26 733 - TESTING ENGINEERED BACTERIOPHAGE AS AN INNOVATIVE TREATMENT APPROACH AGAINST ENTERIC PATHOGENS. Alejandro Llanos-Chea<sup>1,2</sup>, Robert Citorik<sup>3</sup>, Stefania Senger<sup>1,2</sup>,

Shanmugapriya Sothiselvam<sup>3</sup>, Sebastien Lemire<sup>3</sup>, Kourtney Nickerson<sup>1,2</sup>, Timothy Lu<sup>3</sup>, Alessio Fasano<sup>1,2</sup>, Christina Faherty<sup>1,2</sup>. <sup>1</sup>Pediatric Gastroenterology, MassGeneral Hospital for Children, Boston, MA, USA; <sup>2</sup>Harvard Medical School, Boston, MA, USA; <sup>3</sup>Massachusetts Institute of Technology, Cambridge, MA, USA.

2:38 IS ENVIRONMENTAL ENTEROPATHY INTESTINAL FAILURE?

Sean Moore MD, University of Virginia

Learning objectives:

1. Define environmental enteropathy/environmental enteric dysfunction and its relevance to global child health in the Sustainable Development Goal era
2. Review evidence for environmental enteropathy as a subclinical syndrome of intestinal failure
3. Highlight ongoing studies designed to elucidate pathogenesis and effective interventions for environmental enteropathy

3:04 **NASPGHAN Foundation/Nestlé Nutrition Research Young Investigator Development Award**  
GUT MICROBIAL DYSBIOSIS IN UNDERNUTRITION: CAUSE, EFFECT, OR BOTH?

Geoffrey Preidis MD, Baylor College of Medicine, Texas Children's Hospital

Learning objectives:

1. Recognize the distinct patterns of gut bacterial community configurations in undernourished children.
2. List dietary, environmental, and host factors that shape the gut microbiome of undernutrition, and understand how this dysbiosis can impair weight gain.
3. Evaluate the clinical and preclinical evidence supporting the use of microbiome-targeting therapies for undernutrition

## CONCURRENT SESSION V

### Malabsorption/Pancreas

Saturday, November 4, 2017

2:00pm – 3:30pm

Milano 3 - 4

Moderators: Maisam Abu-El-Hajja MD and Aliye Uc MD

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2:00    **ROLE OF CARBOHYDRATE MALABSORPTION IN GASTROINTESTINAL AILMENTS AND DISEASE**

Jon Vanderhoof MD, Boston Children's Hospital

Learning objectives:

1. To understand the physiology of carbohydrate absorption
2. To be able to correctly diagnose disorders of carbohydrate absorption
3. To be able to treat carbohydrate malabsorption disorders

2:30    **734 - LIPID MALABSORPTION AND AN INFLAMMATORY RESPONSE IN INTESTINAL ARX LOSS OF**

**FUNCTION MOUSE MODELS.** Natalie Terry<sup>1,2</sup>, Lucie Ngaba<sup>1</sup>, Benjamin Wilkins<sup>1,2</sup>, Danielle Pi<sup>1</sup>, Nishi Gheewala<sup>1</sup>, Klaus Kaestner<sup>2</sup>. <sup>1</sup>Pediatrics/Gastroenterology, The Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>2</sup>Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA.

2:42    **ABSORBING CURRENT ADVANCEMENTS IN PEDIATRIC EXOCRINE PANCREATIC INSUFFICIENCY**

Alvin Jay Freeman MD, Emory University

Learning objectives:

1. Identify pediatric populations at risk for EPI
2. Understand the benefits and limitations of various testing modalities in the diagnosis of EPI
3. Review treatment considerations in pediatric EPI

**NASPGHAN Pancreas Prize**

3:12    **735 - EVALUATION OF PH INTERFERENCE AND ACCURACY OF PANCREATIC ENZYME ACTIVITY BY**  
**DIRECT PANCREATIC FUNCTION TESTING.** Jonathan Beri<sup>1</sup>, Heidi Hagerott<sup>1</sup>, Zhaoping He<sup>2</sup>, Zarela Molle-  
Rios<sup>1</sup>. <sup>1</sup>Gastroenterology, A.I. duPont Hospital for Children/Thomas Jefferson University, Wilmington, DE,  
USA; <sup>2</sup>Biomedical Research, Nemours/Alfred I DuPont Hospital for Children, Wilmington, DE, USA.

## CONCURRENT SESSION V

### Neurogastroenterology and Motility II

Saturday, November 4, 2017

2:00pm – 3:30pm

Augustus 3 - 4

Moderators: Desale Jacob MD and Kara Gross Margolis MD

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- 2:00 LIFTING THE CURTAIN ON CHRONIC NAUSEA  
Katya Kovacic MD, Medical College of Wisconsin  
Learning objectives:  
1. Recognize the presentation of common causes of chronic nausea  
2. Review literature and plausible mechanisms of functional nausea  
3. Treatment options for functional nausea
- 2:30 736 - ENTEROCHROMAFFIN CELLS ARE GUT CHEMOSENSORS THAT COUPLE TO SENSORY NEURAL PATHWAYS. James Bayrer<sup>1,5</sup>, Nicholas Bellono<sup>2</sup>, Stuart Brierley<sup>3,4</sup>, Holly Ingraham<sup>5</sup>, David Julius<sup>2</sup>.  
<sup>1</sup>Pediatric Gastroenterology, University of California San Francisco, San Francisco, CA, USA; <sup>2</sup>Physiology, University of California San Francisco, San Francisco, CA, USA; <sup>3</sup>Visceral Pain Group, Flinders University, Bedford Park, South Australia, Australia; <sup>4</sup>Centre for Nutrition and Gastrointestinal Diseases, University of Adelaide, Adelaide, South Australia, Australia; <sup>5</sup>Cellular and Molecular Pharmacology, University of California San Francisco, San Francisco, CA, USA.
- 2:42 REPAIRING THE SECOND BRAIN  
Jaime Belkind Gerson MD, Children's Hospital Colorado  
Learning objectives:  
Upon completion of this session, the learner will:  
1. Be able to assess the current evidence in favor and against the existence of post-natal enteric neurogenesis  
2. Be familiar with the known current factors that are involved in neural plasticity and repair  
3. Be able to evaluate the use of microbiome manipulation, use of psychotropic medication, nutritional factors and growth factors to attempt enteric neural system repair  
4. Be familiar with ongoing cutting-edge research aiming to establish novel therapies to repair our second brain
- 3:12 737 - EXAMINING THE LINK BETWEEN CONSTIPATION AND DEPRESSION: A NOVEL ROLE FOR SEROTONIN IN THE GUT-BRAIN-MICROBIOME AXIS. Narek Israelyan<sup>1</sup>, Tara Lorimer<sup>1,3</sup>, Yeji Park<sup>1,3</sup>, Albert Xing<sup>1</sup>, Zi Shan Li<sup>1,2</sup>, Ruth Ann Luna<sup>5</sup>, Alamelu Venkatachalam<sup>5</sup>, Jessica Runge<sup>5</sup>, Marc Caron<sup>4</sup>, Jacob Jacobson<sup>4</sup>, Michael Gershon<sup>2</sup>, Kara Gross Margolis<sup>1</sup>. <sup>1</sup>Pediatrics, Columbia University, New York, NY, USA; <sup>2</sup>Pathology, Columbia University, New York, NY, USA; <sup>3</sup>Institute of Human Nutrition, Columbia University, New York, NY, USA; <sup>4</sup>Department of Cell Biology, Duke University School of Medicine, Durham, NC, USA, <sup>5</sup>Children's Hospital Microbiome Center, Baylor College of Medicine, Houston, TX, USA.

## CONCURRENT SESSION V

**Research Skills Workshop I**  
Saturday, November 4, 2017  
2:00pm – 3:30pm  
Milano 5 - 6

Moderators: Edaire Cheng MD and Michael Rosen MD

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**PATHS TO SUCCESS IN CLINICAL TRANSLATIONAL RESEARCH**  
Samuel Nurko MD and Rachel Rosen MD, Boston Children's Hospital

**PATHS TO SUCCESS IN QUALITY IMPROVEMENT SCIENCE**  
Shehzad Saeed MD, Dayton Children's Hospital and Chelly Dykes MD, Cincinnati Children's Hospital Medical Center

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## CONCURRENT SESSION V

### **Professional Development: Thriving and Surviving in a Changing Pediatric Gastroenterology Economic Environment**

Saturday, November 4, 2017  
2:00pm – 3:30pm  
Octavius 11

Moderators: Toba Weinstein MD and Uma Phatak MD

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**THE CHANGING DEFINITIONS OF VALUE: VIEW FROM HOSPITAL SYSTEMS AND PAYORS**  
Michael Narkewicz MD, Children's Hospital Colorado

Learning objectives:

1. Develop a basic understanding of the financial pressures for systems
2. Understand the potential role of Clinically Integrated Networks and Value Payment Systems
3. Describe the approach to data needs in helping to determine value

**OPTIMIZING THE VALUE OF THE DIVISION: ACHIEVING THE VISION WHILE FULFILLING THE DEMANDS**

Karen Murray MD, Seattle Children's Hospital and University of Washington

Learning objectives:

1. Identify the many demands on a division in this changing health care environment
2. Understand the demands for outcomes and productivity of a division - patient care, academics, and education
3. Understand the need for clear individual roles to maintain divisional balance

**VALUE AS AN INDIVIDUAL PROVIDER: HOW DO I KEEP MY OWN VALUE?**

Stephen Guthery MD, University of Utah & Intermountain Primary Children's Hospital

Learning objectives:

1. Identify the many roles of the provider in this changing health care environment
2. Describe approach of balancing value as a practitioner

## CONCURRENT SESSION VI

### Inflammatory Bowel Disease

Saturday, November 4, 2017

3:45pm – 5:15pm

Augustus 3 - 4

Moderators: Neera Gupta MD, MAS and Abdul El Kadri MD

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- 3:45    **PRECISION MEDICINE PLAN RAISES HOPES THROUGH GENOMIC ADVANCES**  
Subra Kugathasan MD, Emory University  
Learning objectives:
1. Review the recent breakthrough genomic discoveries over the last decade in IBD and pediatric gastroenterology
  2. Learn the genetic basis for why some people respond to drugs differently than others
  3. When and why consider genetic testing? Requesting and interpreting genetic tests in IBD
- 4:15    **738 - THE EPIGENETIC COMPLEX PRC1 MAINTAINS REGULATORY T CELL LINEAGE STABILITY.**  
Michelle Gonzalez<sup>1,2</sup>, Phyllis Svingen<sup>2</sup>, Mary Sagstetter<sup>2</sup>, Olga Sarmiento<sup>2</sup>, Adebowale Bamidele<sup>2</sup>, Zhifu Sun<sup>3</sup>, Asha Nair<sup>3</sup>, Thomas Smyrk<sup>4</sup>, Angela Mathison<sup>2</sup>, Raul Urrutia<sup>2</sup>, William Faubion<sup>2</sup>. <sup>1</sup>Pediatric Gastroenterology, Mayo Clinic, Rochester, MN, USA; <sup>2</sup>Epigenetics and Chromatin Dynamics Laboratory, Division of Gastroenterology and Hepatology and Translational Epigenomic Program, Mayo Clinic, Rochester, MN, USA; <sup>3</sup>Division of Biomedical Statistics and Informatics, Mayo Clinic, Rochester, MN, USA; <sup>4</sup>Division of Anatomic Pathology, Mayo Clinic, Rochester, MN, USA.
- 4:27    **A PERSONALIZED MEDICAL APPROACH FOR PATIENTS WITH VEO-IBD**  
Judith Kelsen MD, Children's Hospital of Philadelphia  
Learning objectives:
1. To learn the genetics of VEO-IBD including new candidate genes and the relevance of these discoveries to disease development
  2. To recognize the potential immunologic abnormalities in patients with VEO-IBD
  3. To select appropriate therapy for patients with VEO-IBD-considering the phenotype and underlying genomics
- 4:59    **106 - BACH2-RELATED IMMUNE DEFICIENCY AND AUTOIMMUNITY (BRIDA) A NOVEL MONOGENIC DISEASE CAUSED BY HAPLO-INSUFFICIENCY OF BACH2.** Behdad Afzali<sup>2</sup>, Juha Grönholm<sup>3</sup>, Jana Vandrovcova<sup>4</sup>, Charlotte O'Brien<sup>4</sup>, Hong-Wei Sun<sup>2</sup>, Ine Vanderleyden<sup>5</sup>, Yu Zhang<sup>3</sup>, Ahmed Hegazy<sup>6</sup>, Alejandro Villarino<sup>2</sup>, Ira Palmer<sup>2</sup>, Joshua Kaufman<sup>2</sup>, Norman Watts<sup>2</sup>, Majid Kazemian<sup>7</sup>, Olena Kamenyeva<sup>3</sup>, Julia Keith<sup>6</sup>, Anwar Sayed<sup>4</sup>, Dalia Kasperaviciute<sup>8</sup>, Michael Mueller<sup>8</sup>, Jason Hughes<sup>9</sup>, Ivan Fuss<sup>1</sup>, Kim Montgomery-Recht<sup>10,1</sup>, Joshua McElwee<sup>9</sup>, Nicholas Restifo<sup>11</sup>, Warren Strober<sup>1</sup>, Michelle Linterman<sup>5</sup>, Paul Wingfield<sup>2</sup>, Holm Uhlig<sup>6</sup>, Rahul Roychoudhuri<sup>5</sup>, Timothy Aitman<sup>4</sup>, Peter Kelleher<sup>4</sup>, Michael Lenardo<sup>3</sup>, John O'Shea<sup>2</sup>, Nichola Cooper<sup>4</sup>, Arian Laurence<sup>6</sup>. <sup>1</sup>Mucosal Immunity Section, National Institutes of Health, Bethesda, MD, USA; <sup>2</sup>Lymphocyte Cell Biology Section, Molecular Immunology and Inflammation Branch, National Institutes of Health, Bethesda, MD, USA; <sup>3</sup>Molecular Development of the Immune System Section, NIAID, National Institutes of Health, Bethesda, MD, USA; <sup>4</sup>Department of Medicine, Imperial College London, UK, London, United Kingdom; <sup>5</sup>Laboratory of Lymphocyte Signaling and Development, Babraham Institute, Cambridge, United Kingdom; <sup>6</sup>Translational Gastroenterology Unit, John Radcliffe Hospital, Oxford, UK, Oxford, United Kingdom; <sup>7</sup>Laboratory of Molecular Immunology, National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, MD, USA; <sup>8</sup>Imperial BRC Genomics Facility, Hammersmith Hospital, London, United Kingdom; <sup>9</sup>Merck Research Laboratories, Boston, MA, USA; <sup>10</sup>Clinical Research Directorate/CMRP, Leidos Biomedical Research Inc, Fredrick, MD, USA; <sup>11</sup>National Institutes of Health, National Cancer Institute, Bethesda, ME, USA.

## CONCURRENT SESSION VI

### Liver III

Saturday, November 4, 2017

3:45pm – 5:15pm

Milano 3 - 4

Moderators: Binita Kamath MD and James Squires MD

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#### 3:45 EMERGING THERAPIES IN NON - CHOLESTATIC LIVER DISEASE

Rohit Kohli MD, Children's Hospital of Los Angeles

Learning objectives:

1. Discuss new medications in development for obesity related liver disease
2. Role of bile acid signaling post bariatric surgery
3. Highlight newer treatment paradigms and options now available for non-obesity metabolic liver disease in children

#### 4:15 739 - RESULTS OF ITCH, A MULTI-CENTER RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED TRIAL OF MARALIXIBAT, AN ILEAL APICAL SODIUM-DEPENDENT BILE ACID TRANSPORTER INHIBITOR (ASBTI), FOR PRURITUS IN ALAGILLE SYNDROME (ALGS). Benjamin Shneider<sup>1</sup>, Cathie Spino<sup>2</sup>, Binita Kamath<sup>3</sup>, John Magee<sup>4</sup>, Peter Whittington<sup>5</sup>, Kenneth Setchell<sup>6</sup>, Alexander Miethke<sup>7</sup>, Jean Molleston<sup>8</sup>, Cara Mack<sup>9</sup>, Robert Squires<sup>10</sup>, Karen Murray<sup>11</sup>, Kathleen Loomes<sup>12</sup>, Philip Rosenthal<sup>13</sup>, Saul Karpen<sup>14</sup>, Daniel Leung<sup>1</sup>, Stephen Guthery<sup>15</sup>, Danny Thomas<sup>16</sup>, Averell Sherker<sup>17</sup>, Ronald Sokol<sup>18,19</sup>.

<sup>1</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Baylor College of Medicine, Houston, TX, USA; <sup>2</sup>Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; <sup>3</sup>Division of Gastroenterology, Hepatology and Nutrition, Hospital for Sick Children and University of Toronto, Toronto, ON, Canada; <sup>4</sup>University of Michigan Medical School, Ann Arbor, MI, USA; <sup>5</sup>Ann and Robert H Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>6</sup>Department of Pediatrics – Pathology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>7</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; <sup>8</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Indiana University School of Medicine /Riley Hospital for Children, Indianapolis, IN, USA; <sup>9</sup>Section of Pediatric Gastroenterology/Hepatology/Nutrition, Children's Hospital Colorado, Aurora, CO, USA; <sup>10</sup>Children's Hospital of Pittsburgh, Pittsburgh, PA, USA; <sup>11</sup>Division of Gastroenterology and Hepatology, University of Washington Medical Center, Seattle Children's, Seattle, WA, USA; <sup>12</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital of Philadelphia, Philadelphia, PA, USA; <sup>13</sup>Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, University of California, San Francisco, San Francisco, CA, USA; <sup>14</sup>Pediatric Gastroenterology, Hepatology and Nutrition, Emory University School of Medicine/Children's Healthcare of Atlanta, Atlanta, GA, USA; <sup>15</sup>Pediatric Gastroenterology, Hepatology and Nutrition, University of Utah, Salt Lake City, UT, USA; <sup>16</sup>Department of Gastroenterology, Children's Hospital Los Angeles, Los Angeles, CA, USA; <sup>17</sup>Liver Diseases Research Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA; <sup>18</sup>Section of Pediatric Gastroenterology, Hepatology and Nutrition, Children's Hospital Colorado, Aurora, CO, USA; <sup>19</sup>for the Childhood Liver Disease Research Network (ChiLDReN), DCC, Ann Arbor, MI, USA.

4:27 **EMERGING THERAPIES IN CHOLESTASIS**

James Heubi MD, Cincinnati Children's Hospital Medical Center

Learning objectives:

1. To understand the currently available therapies for treatment of neonatal cholestasis including Alagille Syndrome, alpha-1 antitrypsin deficiency, progressive familial intrahepatic cholestasis and inborn errors of bile acid metabolism
2. To be familiar with potential emerging therapies for neonatal cholestasis

4:59 **NASPGHAN Foundation Mid-Level Career Development Award**

PPAR $\gamma$ -DEPENDENT GENETIC REGULATION OF NAFLD

David Rudnick, MD, PhD - Washington University School of Medicine, Saint Louis, MO

## CONCURRENT SESSION VI

### Upper GI

Saturday, November 4, 2017

3:45pm – 5:15pm

Augustus 5 - 6

Moderators: John Rosen MD and Leonel Rodriguez MD

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#### 3:45 GASTROPARESIS: DIAGNOSTIC MODALITIES AND TREATMENT

John Fortunato MD, Ann and Robert Lurie Children's Hospital

Learning objectives:

1. Define gastroparesis in children including presentation compared to symptoms in adults
2. Discuss etiology and proposed pathophysiological mechanisms
3. Review diagnostic evaluation of gastroparesis including benefits and limitations of each
4. Discuss treatment strategies and future possibilities

#### **APFED Outstanding EGID Abstract Award**

- 4:15 740 - INCREASED MAST CELL DENSITY AND DEGRANULATION IS ASSOCIATED WITH POST-TREATMENT ENDOSCOPIC ABNORMALITIES AND SYMPTOMS DESPITE HISTOLOGIC REMISSION IN CHILDREN WITH EOSINOPHILIC ESOPHAGITIS. Scott Bolton<sup>1</sup>, Ming Wang<sup>1</sup>, Jessica Ross<sup>1</sup>, Katie Amsden<sup>3</sup>, Barry Wershil<sup>1</sup>, Amir Kagalwalla<sup>1,4</sup>, Joshua Wechsler<sup>1,2</sup>. <sup>1</sup>Pediatrics, Division of Gastroenterology, Hepatology & Nutrition, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>2</sup>Medicine, Division of Allergy-Immunology, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>3</sup>Pediatrics, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA; <sup>4</sup>Pediatrics, John H. Stroger Jr Hospital of Cook County, Chicago, IL, USA.

#### 4:27 POST-FUNDOPLICATION COMPLICATIONS AND MANAGEMENT

Samuel Nurko MD, Boston Children's Hospital

Learning objectives:

1. Understand the changes that occur after a fundoplication
2. Discuss the most common symptoms that occur after fundoplication and their pathophysiology
3. Understand the evaluation of the patient with symptoms after fundoplication
4. Discuss treatment strategies for patients with symptoms after fundoplication

#### 4:59 **NASPGHAN Foundation/Takeda Pharmaceutical Products, Inc. Research Innovation Award**

AUTOPHAGY AND HUMAN MATURATION IN EOSINOPHILIC ESOPHAGITIS

Hiroshi Nakagawa, MD, PhD, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA

**CONCURRENT SESSION VI**

**Research Skills II**

Saturday, November 4, 2017

3:45pm – 5:15pm

Milano 5 - 6

Moderators: Chris Moran MD and Amanda Muir MD

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**PATHS TO SUCCESS IN FUNDING: THE NIDDK PERSPECTIVE**

Edward Doo MD, NIDDK, National Institutes of Health

**PATHS TO SUCCESS IN BASIC SCIENCE RESEARCH**

Alessio Fasano MD and Alejandro Llanos-Chea MD, Massachusetts General Hospital

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**CONCURRENT SESSION VI**

**Clinical Practice Forum - Creating A Highly Reliable Multidisciplinary Team**

Saturday, November 4, 2017

3:45pm – 5:15pm

Octavius 11

Moderator: Matthew Riley MD

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**THE PEDIATRIC GASTROENTEROLOGIST AND MULTIDISCIPLINARY CARE**

Ricardo Caicedo MD, Levine Children's Hospital/Carolinas HealthCare System

**CREATING A CULTURE OF CARE**

Jennifer Schurman PhD, ABPP, BCB, Children's Mercy Hospital

**FIVE STRATEGIES FOR NAVIGATING AN MD/NP PARTNERSHIP IN A MULTIDISCIPLINARY TEAM**

Robyn Robinson CPNP, CHOC Children's Gastroenterology and Nutrition

**OVERCOMING CHALLENGES TO MULTIDISCIPLINARY CARE: THE RD PERSPECTIVE**

Saturday, November 4

**GI JEOPARDY**

5:30pm

Milano 7 - 8

Host: Norberto Rodriguez Baez MD

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**SOCIAL EVENT – DINNER AND DANCING**

7:00pm

Augustus

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## NASPGHAN SCIENTIFIC EXHIBITS

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### Hours:

Thursday, November 2	5:00pm – 7:00pm
Friday, November 3	10:00am – 2:30pm
Saturday, November 4	10:00am – 2:30pm

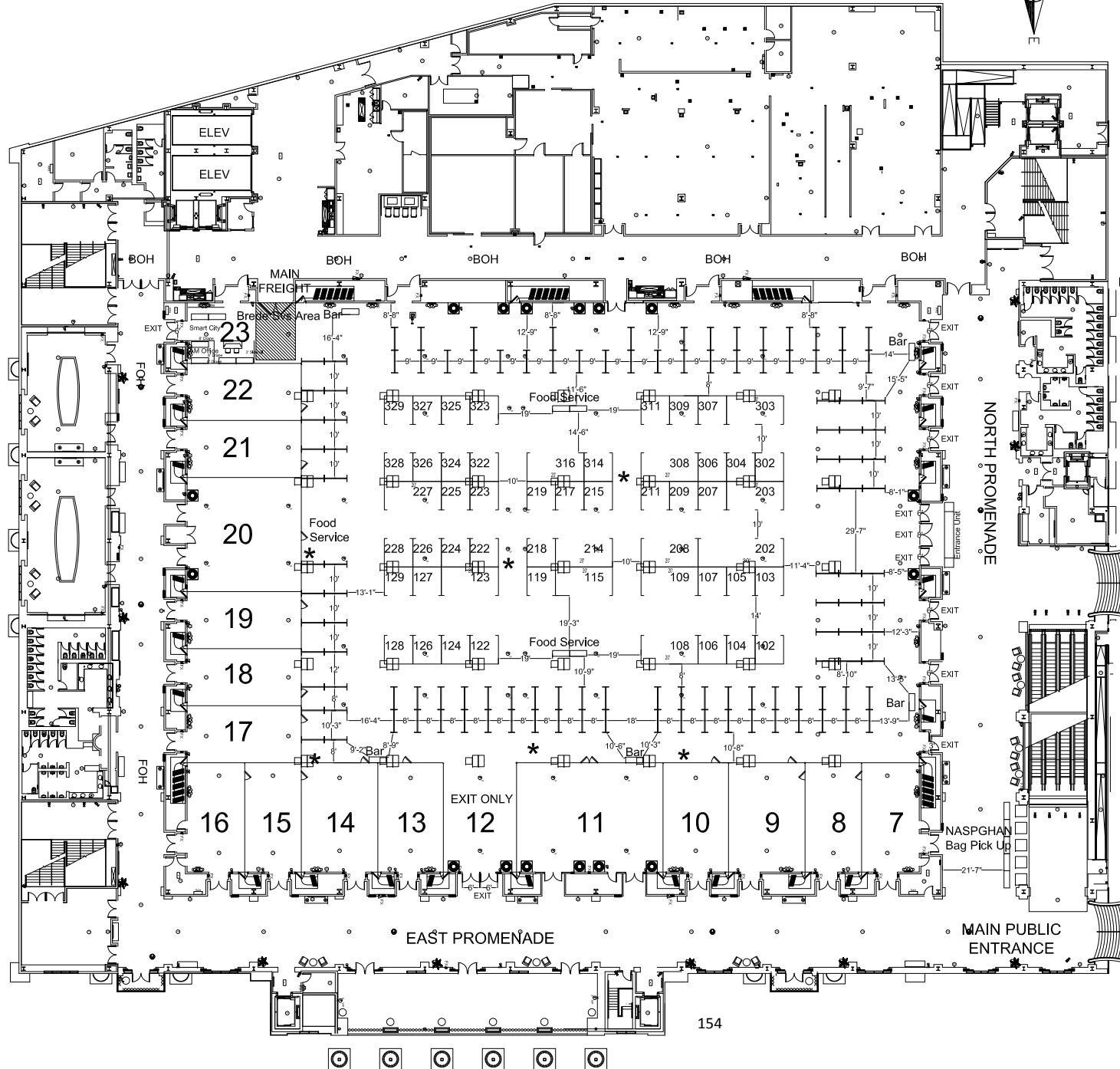
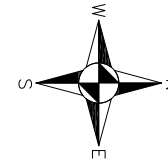
### Exhibitors *(as of September 7, 2017)*

Abbott Nutrition	203
Abbvie	303
Abbvie Medical Information	323
Alcresta Therapeutics	209
Alexion Pharmaceuticals	123
APGNN	124
Applied Medical Technology, Inc. AMT	218
Audentes	104
BioGaia	108
Callion Pharma	307
Children's Health	226
Children's Hospital Colorado	302
Children's Hospital of Wisconsin	215
ChiRhoClin, Inc.	228
Cincinnati Children's Hospital	227
Crohn's and Colitis Foundation	306
Crospon	329
Diem Labs	325
Diversatek Healthcare	219
Dr. Schar USA, Inc	105
Epic Health Services An Aveanna Company	304
Feeding Matters	127

Feeding Tube Awareness Foundation	129
Functional Formularies	107
Globo-SA, Inc	327
Gluten Detective by Glutenostics	326
Horizon Pharma	224
i-Health	309
Janssen Biotech, Inc.	223
Joli Diagnostic Inc	115
Kate Farms	222
Laborie	103
Mead Johnson Nutrition	214
Medspira	225
NASPGHAN Advocacy	128
NASPGHAN Foundation	126
Nationwide Children's Hospital	109
Nature's One	324
Nestle Health Science	211
Nutricia North America	308
Olympus	311
Otsuka America Pharmaceuticals Inc	119
Pfizer Biosimilars	328
Phoenix Children's Hospital	322
Prometheus Laboratories Inc.	208
PSC Partners Seeking A Cure	217
QOL Medical LLC	202
Real Food Blends LLC	102
Retrophin	316
Retrophin (Medical Affairs)	314

Significant Supplements LLC	106
Specialty Surgical Products Inc.	207
Wolters Kluwer	122

North American Society for Pediatric  
Gastroenterology Hepatology, & Nutrition  
November 2-4, 2017  
Octavius Ballroom 1-6, 23-25, Caesars Palace  
Las Vegas, Nevada



**FIRE CODE INFO**

- \* - PORTABLE FIRE EXTINGUISHER (6)
- FX - BUILDING FIRE EXTINGUISHER (14)

AREA IN USE (CAESAR PALACE OCTAVIUS BALLROOM):  
216' X 160' + 40' X 21' = 36,246 GSF

MAX OCCUPANT LOAD  
36246/15 = 2416

EXPECTED OCCUPANT LOAD  
(800)

LINEAR FEET OF EXITING:  
REQUIRED = 48  
(ACTUAL = 71 LINEAR FT)

TOTAL FIRE EXTINGUISHERS:  
12 NEEDED  
ACTUAL:  
(6 PORTABLE)  
(14 BUILDING)

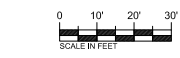
- ALL BOOTHS ARE 8' IN HEIGHT
- - Overhead Fire Sprinkler w/ Strobe
  - - Overhead Strobe
  - - Building Electric
  - ▭ - 6' Table
  - ▭ - 4'x4' Pallet

Initial Date: 2-16-17  
Revised: 9-8-17  
Revision 10  
AE: JC  
Drafter: TP

Booths:  
10x10 - 41  
10x20 - 11  
10x30 - 1

Posters boards - 120

Ceiling Height - 26'



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## NASPGHAN SCIENTIFIC EXHIBITS

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### **Abbott Nutrition**

203

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303 and 323

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### **Alcresta Therapeutics**

209

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[www.alcresta.com](http://www.alcresta.com)

Alcresta Therapeutics lead product, RELIZORB, is a first of its kind digestive enzyme cartridge designed to mimic the normal pancreatic function of lipase in patients suffering from fat malabsorption. RELIZORB significantly increases fat absorption by breaking down fats found in enteral formulas, leading to an increased availability of critical calories and important healthy fats that may otherwise pass through the body unabsorbed.

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New Haven, CT 06510  
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[www.alexion.com](http://www.alexion.com)

Alexion is a global biopharmaceutical company focused on developing and delivering life-transforming therapies for patients with devastating and rare disorders, including lysosomal acid lipase deficiency (LAL-D). Learn more at [www.alexion.com](http://www.alexion.com).

**APGNN** 124  
714 N. Bethlehem Pike, Suite 300  
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215-641-9800  
[www.apgnn.org](http://www.apgnn.org)

The Association of Pediatric Gastroenterology and Nutrition Nurses (APGNN) is one of the recognized leaders in pediatric gastroenterology (GI), hepatology and nutrition nursing and family education. Our objectives are to educate and recognize excellence in pediatric GI evidence-based practice and build interest and competence in pediatric GI nursing research.

**Applied Medical Technology, Inc. AMT** 218  
8006 Katherine Blvd.  
Brecksville, OH 44141  
800-869-7382  
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AMT is a medical device manufacturer of Enteral Feeding Tubes & Accessories and a vast Surgical Line of products including disposable retractor frames, smoke & fluid evacuators and more! Our products: MiniONE® low-profile Buttons (Balloon, Non-Balloon, Capsule), G-JET® low-profile Gastric-jejunal Tube, Bridle™ Nasal Tube Retaining System. All AMT products are proudly made in the USA! Innovating. Educating. Changing Lives.

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[www.audentestx.com](http://www.audentestx.com)

Audentes Therapeutics is a biotechnology company focused on developing and commercializing gene therapy products for patients living with serious, life-threatening rare diseases. Audentes currently has four product candidates in development, one of which is AT342 for the treatment of Crigler-Najjar Syndrome.

**BioGaia** 108  
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Stockholm, SE 10364  
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BioGaia is a health care company that develops, markets and sells clinically documented probiotic products. BioGaia is a world leader in probiotics thanks to over 25 years of experience in the field. Our products combine the well-researched probiotic bacteria *Lactobacillus reuteri* and top of the line engineering to develop unique packaging solutions that match consumer needs.

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**Children's Hospital Colorado** 302  
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www.childrenscolorado.org

The Digestive Health Institute at Children's Colorado is the primary site in the Rocky Mountain region for comprehensive care of gastrointestinal, liver, pancreatic and nutritional disorders, and liver transplantation. Our renowned experts and innovative multidisciplinary approach consistently earn U.S. News & World Report top honors in pediatric gastroenterology. Visit [childrenscolorado.org/digestive](http://childrenscolorado.org/digestive).

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The Gastroenterology, Hepatology and Nutrition Center at Children's Hospital of Wisconsin, in Milwaukee, is recognized internationally for diagnosing and treating a wide variety of digestive tract, feeding, nutrition, and liver disorders. Our Neurogastroenterology, Motility and Autonomic Disorders Program is one of only a few centers in the United States with this expertise.

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**Cincinnati Children's Hospital** 227

3333 Burnet Ave  
Cincinnati, OH 45229  
1-800-344-2462  
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The Division of Gastroenterology, Hepatology and Nutrition at Cincinnati Children's Hospital was ranked No. 3 in the country in U.S. News & World Report's 2017-18 Best Children's Hospital survey. Expertise in comprehensive pediatric gastrointestinal disease care, testing, and research, including Pancreas Panels by Next-Generation Sequencing, and intestinal organoid research.

**Crohn's and Colitis Foundation** 306

733 Third Avenue, Suite 510  
NY, NY 10017  
800-932-2423  
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.

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Galway, Ireland  
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Dallas, TX 75254  
214-466-1340  
www.epichealthservices.com

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**Feeding Matters** 127  
7227 N 16th Street, Suite 110  
Phoenix, AZ 85020  
623-242-5234  
www.feedingmatters.org

Feeding Matters is furthering advances in pediatric feeding disorders by accelerating identification, igniting research, and promoting collaborative care for children and families. They partner with healthcare professionals and families to help create a world in which children with pediatric feeding disorders will thrive. Learn more and get involved in their education, research, and advocacy efforts at [www.feedingmatters.org](http://www.feedingmatters.org).

**Feeding Tube Awareness Foundation** 129  
PO Box 29  
New Hyde Park, NY 11040  
www.feedingtubeawareness.org

The Feeding Tube Awareness Foundation is a non-profit organization dedicated exclusively to pediatric enteral feeding. FTAF's mission is to provide parents and caregivers with the practical knowledge and support they need through education materials, the organization's comprehensive website ([www.feedingtubeawareness.org](http://www.feedingtubeawareness.org)) and Facebook online support forum, which has more than 50,000 followers.

**Functional Formularies** 107  
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**NASPGHAN Foundation** 126  
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Princeton, NJ 08540  
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[www.breathtekcp.com](http://www.breathtekcp.com)

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235 East 42nd Street  
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1919 East Thomas Road  
Phoenix, AZ 85016  
602-933-1101  
www.phoenixchildrens.org

Phoenix Children's Hospital is Arizona's only children's hospital recognized by U.S. News & World Report's Best Children's Hospitals with rankings in all ten specialties. Phoenix Children's provides world-class inpatient, outpatient, trauma, emergency and urgent care to children and families in Arizona and throughout the Southwest. As one of the largest children's hospitals in the country, Phoenix Children's provides care across more than 75 pediatric specialties. The Hospital is poised for continued growth in quality patient care, research and medical education.

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## AUTHOR INDEX

### Name/Abstract Number

#### A

Abbas, M I.....	533	Ali Ibrahim, A I.....	205
Abberbock, J N.....	199	Aliza, S.....	353, 481
Abdelhadi, R.....	258, 268, 526	Alkalay, M.....	707
Abdel-Rahman, S.....	496	Alkhoury, N.....	377, 528, 581
Abdou, R.....	120, 237, 501, 528, 644	Alkhoury, R H.....	591
Abdullah, N.....	669	Alkuraya, F.....	622
Abell, R.....	115, 358	Allen, K.....	155
Abomoelak, B.....	168, 211, 662	Alm, E.....	477
Abrams, S.....	528	Almeida, K.....	377
Absah, I.....	173, 223, 252, 534	Al-Mulaabed, S.....	167, 174, 673
Abud Drumond Costa, C.....	680	Alobaid, S.....	188
Abu-El-Haija, M.....	445, 473, 704, 730	Alper, A.....	443
Abu El Haija, M.....	497	Alperovich, G.....	340
Abughali, N.....	669	Alpert, S.....	69
Abukasm, K.....	620	AlQahtani, S.....	188
Aceves, S.....	310	Alqoaer, K.....	120, 237, 501
Adachi, I.....	716	Alrabadi, L.....	94, 346, 443
Adams, K.....	338	AlSaleem, B.....	188, 206, 378
Adedokun, J.....	107	Altamimi, E M.....	423
Adeyemo, O M.....	80	Altuna, D.....	504
Adler, J.....	607	Alzaben, A.....	239
Afzali, B.....	106	Amadi, B.....	711
Agardh, D.....	710	Amankwah, E.....	650
Agin, M.....	219, 405	Amaral, K.....	325
Agnieszka, S.....	430	Amarnath, R.....	307
Agustin, B.....	636	Ambartsumyan, L.....	558
Ahmad, A.....	555	Ameen, N.....	457
Ahmad, N.....	713	Amin, M.....	120, 237, 387, 501
AHMAD, O.....	632	Amir, A.....	120, 237, 501
Ahmed, A B.....	188, 206	Amirikian, K.....	228
Ahmed, K.....	711	Amre, D.....	16
Ahsan, M.....	457	Amsden, K.....	44, 740
Ahuja, K L.....	300	Ananthakrishnan, A.....	114
Aitman, T.....	106	Anders, R.....	235, 648
Akçora, B.....	62	Andersen, J M.....	639
Akhatur Hassan, A.....	156, 380	Anderson, C.....	183
Akhtarul Hassan, A M.....	158	Anderson, J.....	465
Akhue monkhan, E.....	523	Anderson, S.....	590
Aktay, A.....	243	Andrews, H.....	579
Alabd Alrazzak, B.....	161	Angeles, J E.....	140, 391
Al-Atrash, H.....	498	Angelino, G.....	22
Alazraki, A.....	396	Ann, D.....	597
Albanyan, N.....	188, 206	Antala, S.....	319
Albenberg, L.....	187, 596	Antonio, E.....	72, 189
Albright, C L.....	468	Anwer, F.....	555
Aleksunes, L.....	439, 627	Aqul, A.....	639
Alexander, E E.....	173, 481	Arbizu, R.....	59, 72, 564
Alexander, J J.....	640	Arboleda, R.....	216
Alfaro Cruz, L M.....	384, 619	Arce-Clachar, A.....	124
Al-Hussaini, A.....	188, 206, 378	Arias, K.....	60, 192
Al Hussaini, H.....	380	Arias, P.....	200, 440, 508
Ali, F.....	244	Arnell, H.....	371
Ali, S.....	711	Arnold, B.....	52, 491
Ali, S.....	6, 528	Arnold, S.....	583
		Arnold, T.....	508

Arnon, R .....	146
Aronow, B J. ....	588
ARROUK, R .....	563
Arruda, J.....	77
Arumugam, R .....	82
Asada, H.....	73
Asery, A.....	188, 206
Ashok, D.....	134, 397
ATICI, A .....	62
Atkins, M.....	131
Attard, T M.....	166, 268, 462, 526
Augé, N .....	181
Auth, M.....	120, 237, 501
Avdella, A.....	211
Avinashi, V .....	207
Avitzur, Y.....	4, 201
Avolio, J.....	474
Awwad, S .....	188
Axelsson, I.....	710
Ayers, M.....	390, 450
Ayers, T D.....	604
Aylward, N .....	611
Ayoub, M D.....	623
Ayyala, R S.....	99
Azzam, R K.....	449
<b>B</b>	
Baber, K.....	470
Babovic-Vuksanovic, D.....	385
Baez-Socorro, V.....	24
Bagga, B .....	606
Bahia, G N.....	115, 247
Baig, A .....	167, 690
Baig, N.....	555
Bailey, D.....	42
Bailey, M .....	343
Baker, C.....	127, 131, 212
Baker, R D.....	357, 591, 644
Baker, S S.....	357, 644
Baker, S.....	114
Baker, T L.....	410
Baker, T.....	288
Baldassano, R.....	87, 113, 114, 240, 588, 596
Baldissera, M .....	388
Baldisserotto, M.....	388
Baldwin, C .....	670
Bales, C.....	187
Balfaqih, Y .....	529
Ballengee, C .....	240
Baloush, F.....	624
Balza, R.....	127
Bamidele, A.....	738
Bandsma, R .....	683
Banik, S .....	669
Barbagelata, C.....	273
Barber, A.....	57
Bargman, R.....	186
Barker, D.....	325
Barksdale, E .....	23
Barlow, S .....	454
Barnard, B.....	692
Barnes, B H.....	38
Barnes, D M.....	169, 677
Barnes, J A.....	299
Barnes, M J.....	351
Baron, B.....	424
Barr, M A.....	158, 380
Barrera de León, J.....	389
Barreto, J.....	419, 671
Barry, J.....	255, 581
Barth, B.....	22, 226, 490, 505, 516, 527, 704
Bartlett, M.....	173, 481
Barton, K.....	245, 384, 487
Bashaw, H.....	251
Bass, L M.....	137, 144, 251
Basto, L.....	449
Batra, S.....	599
Batsis, I.....	363, 427
Batun, I.....	219
Bauer, C.....	281, 543
bauler, I .....	46
Bauman, L.....	342
Baumann, L.....	613
Baumann, U.....	371
Baumgaurten, A M.....	535
BAUTISTA, M S.....	727
Baveja, R.....	162
Bayrer, J R.....	736
Bazerbachi, F .....	120, 237, 501
Beasley, G.....	576
Beaty, A .....	410
Becker, P.....	481
Beduschi, T .....	367
BEG, M B.....	555, 612
Begotka, A .....	179, 290
Beinvogl, B C.....	56, 82, 292, 295, 298, 311
Beiting, D P.....	87
Belle, S H.....	475
Bellin, M .....	704
Bellono, N.....	736
Bender Kohnert Seidler, H.....	313
Benedetti, A.....	582
Benitez, A .....	27, 499
Benkov, K.....	333
Bennett, W E.....	521, 545, 588
Benninga, M A.....	69, 312
Bensen, R.....	76, 329, 412, 636, 677, 687, 718
Benton, K.....	315
Berg, E .....	99
Bergner, E M.....	384
Beri, J.....	735
Bernard, R .....	584

Bernieh, A .....	266	Brierley, S .....	736
Berry, K .....	160	Bright, R.....	325
Bertolaso, C.....	684	Brill, H.....	483
Bertuch, A A.....	374	Brito, D .....	303
Beth, C .....	538	Brochi, L.....	417
Bettiol Nogueira, M .....	313	Brock, J .....	307
Bezerra, J A. ....	362	Broderick, A.....	120, 237, 501
Bhardwaj, V.....	547	broering, D .....	156, 380, 622
Bhatt, H.....	147	Broman, A.....	676
BHATTACHARJEE, J.....	366	Bross, C F.....	391
Bhesania, N .....	458, 581, 625	Brown, M.....	95
Bibbens, S .....	688	Brown, R.....	444
Bicamumpaka Shema, A .....	507	Brownell, J N.....	432
Bierly, P.....	724	Bruckner, A.....	614
Bigaj, K .....	375	Buckley, A.....	357
Bilbo, S .....	198	Bucuvallas, J .....	661
Binder, H .....	672	Bufo, A.....	572
Bingham, S .....	262	Bull, L N. ....	144
Bitong, J A. ....	365	Bulut, Y .....	365
Bittar, K .....	25, 40, 65, 289	Buman, M.....	725
Bittinger, K.....	27, 87	Burch, E S.....	56, 292, 295, 298
Bitton, S .....	22, 230, 515, 699	Burdo-Hartman, W.....	541
Black, D D.....	698	Burnett, D.....	95
Black, K.....	258	Burrage, L .....	646
Blaufuss, T A.....	602, 655	Busoni, V .....	332, 504
Blaxall, B.....	236	Butler, M .....	528
Blomenkamp, K.....	177	Buzzi, K .....	668
Blondet, N M.....	558	Byersdorfer, C.....	444
Blumenthal, J .....	83		
Bodas, A .....	49	<b>Ç</b>	
Boehm, L.....	538	Çelikkaya, M E. ....	62
Bogetz, A.....	77		
Boggs, K.....	232	<b>C</b>	
Boldrini, G .....	504, 629	Cabrera, J.....	702
Bolton, S.....	44, 740	Cadnum, J.....	404
Bonasso, P.....	505	Caicedo, R.....	93
Boney, A.....	185	Caicedo Oquendo, L F.....	664
Book, L .....	314	Calkins, K L.....	163
Borlack, R .....	204	Caltharp, S .....	621
Bornstein, J .....	548	Camacho, C.....	695
Boruta, M K.....	492	Camacho-Gomez, S M. ....	266
Bosa, V .....	680	Cameron, A.....	500
Boston, S T. ....	638	Cameron, R.....	145
Bousvaros, A .....	299	Camhi, S.....	229, 452, 700
Boutelle, K.....	678	Camilleri, M .....	553
Bove, K E. ....	7, 335	Campbell, P .....	227
Bowers, J.....	678	Camps, J.....	307
Boyle, B .....	3, 58, 262, 364, 721	Canadas, K .....	245
Bozic, M A. ....	144	Cantey, J .....	692
Bracey, E .....	256	Capocelli, K E. ....	614, 731
Bradshaw, A.....	104	Carayannopoulos, M .....	439, 627
Brassier, A.....	370	Carbonneau-Cerat, A.....	34
Braun, H.....	396, 621	Cardenas, V .....	607, 657
Breen, C .....	370	Carey, A .....	180, 437, 709
Brereton, H .....	420	Carlin, K .....	631
Brian, K.....	538	Carman, N .....	234
Brian, W .....	538	Carobene, M.....	29
Bridges, J.....	500	Caron, M.....	737

Carroll, A .....	521	Cho, S .....	594
Carroll, J .....	226, 527	Cho, Y .....	660
Carson, K .....	420	Choe, B .....	425
Cartagena De Jesus, C .....	35	Chogle, A .....	54
Carter, B A .....	128, 384	Choi, Y .....	696
Cartwright, B .....	587	Choma, D .....	613
Carvalho, R .....	414	Chopra, P .....	597
Casas Melley, A .....	567	Choudhry Chandan, O .....	593
Casini, R .....	585, 602	Choudhury, S .....	591, 644
Castillo, D F .....	93	Chow, E .....	500
Castillo, M .....	377	Chowdhury, S .....	121
Castillo de León, Y .....	389	Chowdhury, S .....	456
Cavaliere, M L .....	629	Christensen, K .....	377
Cavender, C .....	276, 703	Christian, V J .....	694
Celtik, C .....	459	Chu, A .....	165
Cerezo, C .....	81, 556, 693	Chumpitazi, B .....	619
Cervantes-Bustamante, R .....	271	Church, P .....	97, 234
Cetinkaya, F .....	248	Cianferoni, A .....	285
Cetinkaya, M .....	682	Ciciora, S L .....	123
Ceylan, Ö .....	248	Ciecierega, T .....	536
Ceza, M R .....	608, 609	Cieply, K .....	449
chambers, A .....	81	Citorik, R J .....	733
Chan, A .....	48, 115, 120, 358, 501	Ciullo, S .....	522
Chan, D .....	107	Clark, R .....	20
Chandler, J .....	59	Clark, S J .....	732
Chaney, R .....	304, 468	Clarke, L C .....	50
Chang, J .....	434	Clarke, T .....	728
Chang, P .....	659	Clarkson, K .....	480, 580
Chang, V .....	596	Clayton, S .....	277
Chanis, R .....	54, 550	Cleary, M .....	346, 546
Chao, C .....	579	Cleeton, R .....	396, 621
Chapman, A .....	538	Clemency, N .....	162
Chapman, H .....	556	Clemente, M .....	671
Chartier, M .....	582	cliften, p .....	133
Chavannes, M .....	341	Cocjin, J .....	297
Chawla, A .....	170, 667, 712	Cockrum, B .....	521
Check, M .....	577	Cohen, M .....	386
Cheema, H A .....	151, 222	Cohen, S S .....	283, 417
Chelimsky, G .....	233, 291, 561	Cohen, S .....	83, 114
Chelimsky, T C .....	291, 561	Cohen, Z .....	157
Chen, B .....	207	Cohen Sabban, E J .....	537
Chen, C .....	61, 551	Cohen Sabban, J .....	332
Chen, M .....	227	Colaiacono, S .....	134
Chen, W .....	232	Colchamiro, R .....	433
Chen, Y .....	195	Cole, T .....	710
Chen, Y .....	592	Coleman, B .....	299
Cheng, E .....	226, 670	Coleman, K .....	317
Cheng, E .....	665	Coleman, T P .....	53
Cheng, S X .....	672	Colgan, S P .....	502
Cheng, S .....	672	Colin, M .....	195
Chennou, F .....	267	Colliard, K .....	309, 485
Chettout, N .....	162	Collier, S .....	437
Cheung, D A .....	135, 375	Collins, J .....	528
Cheung, R .....	327	Collins, M .....	364
Chi, L .....	683	Collymore, C A .....	688
Chiou, E .....	283, 296, 559	Colman, R J .....	513
Chlebowczyk-Grzybowska, U .....	430	Colombo, J M .....	225
Cho, J .....	41	Colon, Y .....	695

Colwell, R .....	162, 229
Conjeevaram Selvakumar, P .....	85, 122, 139, 159, 255, 386, 390, 398, 450, 458, 471, 581, 625
Conklin, L .....	261
Conley, C .....	159
Conrad, M A.....	87, 113, 350, 596, 605, 615
Constant, B D. ....	57
Cooke, L .....	109, 110, 356
Cooper, D.....	211
Cooper, K .....	631
Cooper, N.....	106
Corathers, S.....	19
Corbera-Hincapie, M A. ....	576
Cordero, M.....	396, 621
Cordora, K.....	109, 356
Cornfeld, R .....	510
Costa, P .....	29, 75, 506
Cotter, J.....	120
Courtney-Martin, G.....	4
Cousino, D.....	118
Cowell, E .....	138
Cox, C B. ....	90
Crabtree, S .....	650
Crandall, W .....	3, 114, 343, 588, 721
Crane, M .....	79
Crawford, E .....	447
Cresci, G .....	404
Crespo, M.....	447
Crimmins, N .....	19, 214
Crissinger, K D.....	14, 37, 287
Cristoforo, T A. ....	674
Critelli, K M. ....	364, 381
Croft, N .....	328
Crowley, E.....	97, 234, 600
Crutchfield, J .....	274
Cucchiara, S.....	229
Cuffari, C .....	523, 589
Cui, J.....	368
Cunningham, C.....	349
Cutler, D.....	597
Czelecz, J .....	202
Czubkowski, P .....	241
<b>D</b>	
D'Amico, S.....	568
D'Souza, P .....	63
Dagostino, D .....	132, 504, 629, 332
Dailey, J M.....	369
Dall'Oglio, L.....	22
Dal Soglio, D.....	620
Damman, J L.....	677, 687
Daniel, S .....	712
Daniel Rivera, P.....	198
Darbari, A.....	50
Das, S .....	446
Dassinger, M S. ....	505
David, A.....	157
Davidovics, Z.....	13, 481
Davies, C.....	218
Davis, B.....	572
Davis, C.....	273
Davis, J.....	6
Davis, S .....	364
Davison, K.....	433
Davit-Spraul, A.....	378
Dawany, N .....	350, 605, 615
Dayan, J .....	333
DeAngelis, P.....	22
Deb, C.....	168, 211, 548, 662
Debeljak, A .....	55
DeBoer, E.....	731
Defelice, A .....	308
de Guzman, M .....	646
Deivanayagam, S .....	12
Delbosque, L.....	224
Delgado Jimenez, Y L. ....	409
Delgado, P .....	135
Dellon, E .....	269
Demant, M .....	35
DeMarshall, M.....	499
Demcsák, A.....	202
DeMello, D .....	543
Dempster, R.....	541
Deneau, M R.....	88, 120, 183, 237, 314, 352, 501
Deng, J.....	723
Denham, L .....	244
Denson, L.....	114, 240, 335, 364, 480, 580, 588, 613
Deora, V.....	610, 611
Depaula, B .....	437, 438
Dermarderosian, D.....	556
Desai, N .....	528
Desai, S .....	457
Desbiens, J.....	50
Deshpande, S.....	637
Deshpande, V .....	131
Deterding, R .....	731
Devoto, M .....	350, 605, 615
de Zoeten, E F.....	614
Dhaliwal, m.....	628
Dharia, N .....	284
Diamond, S .....	212
Diamond, T.....	524
Diaz, M .....	274
Diaz Calderon, L.....	261, 436
Diefenbach, K .....	64, 69
Dietrich, K.....	465
Dietz, H.....	31
Diez, B.....	599
Di Fusco, D.....	711
DiGuglielmo, M .....	237, 501
Di Iorio, L .....	711
Dike, C .....	15

Di Lorenzo, C.....	64, 69, 71, 242, 304, 312, 468, 553	Ehara, E .....	660
DiMaria, M.....	395	Eichenfield, A H. ....	99
Dimmitt, R.....	538	Eisenberg, J.....	33
Dimmock, D .....	121	Eisses, J F. ....	232
Dinallo, V.....	711	Eke, R.....	46, 539
DiPaola, F.....	657	Ekelund, M .....	371
Dirks, M.....	267	Eklund, M .....	59
Do, D .....	24	el, ç.....	62
Doan, S.....	120	El-Baba, M.....	339
Doby, E.....	481	Elbel, E.....	421
Dodrill, P .....	431	El-Chammas, K.....	7, 68, 303, 335
Doherty, D.....	146	Elfar, W.....	115, 247
Dohil, R.....	310	Elitsur, Y.....	529
Dolan, B.....	290	Elman, D .....	180
Dolan, K.....	262	El-Matary, W .....	120, 237, 501, 610, 611
Dole, M .....	481	Elmo, G .....	332
Dolinger, M T. ....	230, 699	El Tawil, D.....	225
Donato, G.....	504	Elverson, W .....	728
Donegan, A M. ....	3, 721	El-Youssef, M.....	120, 237, 501
Donskey, C .....	404	Emerick, K.....	13
Doolin, E.....	566	Endo, T .....	305, 645, 651, 656
Doran, F .....	219, 405	Epifanio, M .....	388, 394, 608, 609, 680
dos Santos Sampaio, A.....	680	Ermarth, A .....	314
Dotson, J L.....	3, 721	Escalera, S.....	346
Dougherty, M.....	269	Eshee, L .....	83
Dowd, B.....	322	Eshun, J K.....	698
Downing, M .....	256	Eskandari, R .....	59
Drayton, A.....	184	Esni, F .....	232
Drobnic, B .....	721	Estanque, R.....	514
Dua, K S .....	22, 702	Estevam, A L. ....	608, 609
Dubey, S.....	399	Etchevers, J.....	332
Dubinsky, M C. ....	114, 322, 333, 340, 577, 588, 594	Evans, J .....	114
Dubois, J.....	620	Everett, A.....	215
Duffy, L.....	599, 605	Ewa, T.....	430
Duggan, C.....	180, 194, 410, 437, 438, 681		
Duncan, D .....	39, 270, 531	<b>F</b>	
Dunkin, D .....	333	Faasse, S .....	517
Dunn, D M.....	417	Faasse, S .....	528
Dunn, E .....	363	Fabian, R.....	50
Durali, N .....	446	Fages, R .....	465
Durelle, J .....	140	Faherty, C S. ....	733
During, D .....	4	Fahey, L .....	197, 285
Duron, V P.....	99	Falconer, V.....	18, 264
Dursun, F.....	459	Falk, G.....	499
Duvallet, C.....	477	Fallon, S .....	245
Dykes, D M.....	19, 613	Fanelli, B.....	229
		Fanjul Regueira, L A. ....	537
<b>E</b>		Faqeeh, M .....	206
Ebel, N.....	160, 631	Faraci, S .....	22
Ebeling, M .....	691	Farmer, D.....	665
Ebigbo, N E.....	479, 544	Farmer, P .....	701
Echuri, S .....	715	Farrell, M .....	342
Eda, K .....	334	Farrell, P R. ....	701
Ediger, T .....	262	Farris, A .....	396
Edwards, P .....	583, 703	Farwati, M .....	252
		Fasano, A.....	198, 218, 229, 413, 452, 482, 700, 705, 733
		Fatima, A .....	80

Faubion, W.....	738
Fecarotta, S.....	155
Fecteau, M.....	87
Feenstra, M.....	683
Fei, L.....	445, 613
Feigenbaum, K.....	197
Feinberg, L.....	139, 301
Feinstein, L.....	308, 345
Feit, S.....	572
Feldman, M.....	566
Felipez, L.....	117, 355
Felix, G.....	424, 427, 481
Felpel, A.....	442
Feng, L.....	479, 544
Feng, S.....	661
Fennoy, I.....	708
Feranchak, A.....	152
Ferguson, A E.....	7, 125
Fernandes, M.....	13
Fernandes, N D.....	669
Fernandes, S.....	680
Fernandez, j.....	540
Fernandez de Cuevas, V.....	629
Fernandez Fernandez, S.....	498
Ferrari, F.....	120, 237, 501
Ferreira, C T.....	394, 608, 609
Fiedler, K.....	97
Fifi, A.....	182, 323, 617
Figureroa, J.....	238
Fillman, N.....	449
Finck, C.....	30
Finegold, M.....	117, 138
Finn, K L.....	414
Fiorentino, M.....	198, 413
Fiorino, K.....	2, 294
Firszt, R.....	273
Fischler, B.....	371
Fish, J.....	234
Fishbein, M.....	315, 723
Fishman, D S.....	22, 245, 260, 296, 384, 402, 403, 486, 489, 490, 503, 530, 646, 704, 716
Fishman, L.....	330
Fleet, S E.....	345
Fleischman, A.....	75
Flick, J A.....	256
Flores, E.....	565
Flores-Fong, L.....	271
Flume, P.....	208
Fong, J.....	406
Fonseca, V.....	231, 706
Fontana, R.....	657
Fontanesi, J.....	140
Foreman, M S.....	554
Foreman, R.....	104
Forges-Voigt, C.....	323
Forget, S.....	341
Foster, C.....	30
Fournier, A.....	620
Fournier, K A.....	720
Fox, V.....	5, 22
Frade Garcia, A.....	520
Fragassi, P.....	669
Franciosi, J P.....	274, 498, 567
Francis, D.....	170
Frank, D.....	170
Frawley, J.....	471
Fredericks, E M.....	618
Frediani, J.....	621
Freedman, S.....	704
Freeman, A.....	129, 715
Freestone, D.....	21
Freire, R.....	705
Freitas, A F.....	608, 609
Frelinger, C.....	92
French, K.....	514
Fridge, J.....	344
Friedlander, J.....	249, 283, 495, 511, 731
Friedman, M.....	155, 370
Friesen, C.....	70, 496, 552
Frischmeyer-Guerrero, P.....	31
Fritzen, C.....	715
Fukasawa, T.....	73
Furth, E.....	566
Furuta, G T.....	32, 535, 731
Furuya, K.....	120, 237, 385, 501
Fusillo, S J.....	113, 596
Fuss, I J.....	106
<b>G</b>	
Gabriel, C.....	117
Gaedigk, A.....	496
Gahl, J.....	19
Gal, R.....	515
Galbally, S.....	417
Galgano, A C.....	615
Gallant, M L.....	448
Gallegos, M.....	14, 37
Gallo, J.....	332
Galvin, K.....	47
Gamblin, J.....	382
Garcia, J.....	367, 375
Garcia-Lloret, M.....	28
Garcia-Naveiro, R.....	52, 491
Garcia-Prats, J A.....	384
Gardiner, P.....	568
Gargus, J J.....	370
Garibaldi Covarrubias, R.....	389
Garipey, C.....	704
Garrett, Z.....	272
Garrido, A.....	49
Garrison, S.....	676
Gartner, Z.....	675
Garza, J.....	83
Gathungu, G.....	170
Gazarian, S.....	650
Gee, M.....	127, 131, 212

Gelbard, H.....	236	Gottesman-Katz, L.....	347
Gelrud, A.....	449	Gottrand, F.....	120, 237, 501
Gentilcore, F.....	582	Gottrand, M.....	120, 237, 501
Gerardi-Temporel, G.....	181	Gould, M.....	483
gerenli, n.....	459	Gower, B.....	351
Gershon, M D.....	737	Goyal, D.....	399
Getzoff, E.....	424	Goyal, N P.....	140, 376, 391, 528
Gharibans, A A.....	53	Graham, K.....	373
Ghassemi, K A.....	28	Gramling, J.....	442
Gheewala, N.....	734	Grant, A.....	79
Ghosh, A.....	155	Grant, W.....	593
Giangiaco, F C.....	259	Green, P H.....	204, 221
Gibson, M.....	556	Greenhalgh, L.....	710
Giefer, M.....	22, 321, 704	Greenley, R N.....	330
Gilbert, M.....	294, 549	Greenspon, J.....	177
Giles, E.....	328	Gregg, D.....	495, 702
Gill, R.....	116	Greifer, M.....	283
Gillberg, P.....	371	Gremse, D.....	14, 37, 210
Gillevet, P.....	177	Gresl, B L.....	86
Gillis, L.....	528	Griffin, I.....	196
Girard, S.....	582	Griffin, K.....	474
Gisser, J.....	481	Griffiths, A M.....	79, 97, 107, 114, 234, 364, 588
Gizaw, M.....	373	Grinspan, A.....	594
Glenn, J.....	540	Groleau, A.....	507
Glinky, A.....	200, 440	Grönholm, J.....	106
Glover, L E.....	502	gross, J.....	27
Go, R.....	514	Grossman, A.....	113, 256, 596
Goday, P.....	178, 179, 694	Grossman, E.....	479, 544
Godwin, B.....	2, 33, 499	Gross Margolis, K.....	737
Goh, V.....	568	Grothe, R.....	553
Golab, K.....	449	Grover, A.....	22
Gold, B D.....	83, 283	Grzywacz, K.....	685
Goldberg, D.....	361	Guandalini, S.....	228
Goldhaber, A.....	175	Guerra, M.....	665
Goldner, D.....	135, 367, 375, 434	Guerrero, A L.....	31, 523
Goldsmith, J.....	82	Guerrero-Lozano, R.....	231, 706
Goldstein, L.....	568	Gugig, R.....	22, 488, 512
Golowa, Y.....	400	Guha, P.....	460
Gomara, R.....	216	Gulati, R.....	122, 306
Gomez, G.....	303	Guleria, S.....	711
Gomez, J.....	293	Gumer, L.....	283
Gomez Suarez, R A.....	567	Gunay-Aygun, M.....	146
Gong, S.....	171	Guo, G.....	439, 626, 627
Gonring, K.....	290	Guo, Q.....	236
Gonska, T.....	474, 704	Gupta, A M.....	598, 718
Gonzales, E.....	371	Gupta, A.....	386
Gonzalez, E.....	616	Gupta, A.....	693
Gonzalez, L.....	695	Gupta, M.....	643
Gonzalez, M.....	534, 738	Gupta, N.....	579
Gonzalez, S.....	584	Gupta, N.....	120, 237, 476, 501
Goodhue, C J.....	362	Gupta, S R.....	74, 570
Goodine, S.....	278	Gura, K M.....	410, 681
Goodrich, N P.....	142, 144	Gurevich, Y.....	658
Goodwin, A G.....	78, 126	Gurien, L A.....	505
Gopalakrishna, G S.....	78, 296	Gurkan, O.....	710
Gopalareddy, V.....	93	Gurram, B.....	587
Gortmaker, S.....	433		
Goss, J.....	633, 652		

Guthery, S .....	88, 114, 143, 273, 314, 352, 739	Hattori, T .....	73
Gutierrez, H.....	538	Hatuno, M .....	679
Gutiérrez Junquera, C .....	498	Hawa, K .....	74
Gutierrez Sanchez, L H. ....	236, 252, 385	Hawkins, M C.....	631
Guzek, R .....	285	Hawks, C E. ....	280
Guzman, M .....	177	Hawthorne, K .....	618
<b>H</b>		Hayashi, A.....	603
Haas, K .....	6	Hayashi, H.....	651
Haberman, Y .....	364	Hayata, Y .....	334
Hadigan, C.....	63	Hayes, A.....	277
Hadley, T A.....	528, 715	Hayes, K.....	696
Hafberg, E T. ....	137	Hazleton, K Z .....	411
Hafed, Y.....	223	He, Z .....	735
Hager, M .....	553	Head, Y .....	540
Hagerott, H E.....	249, 735	Heafner, N .....	177
Hagin, S .....	325	Heberling, C.....	162
Hagmann, S.....	668	Heczey, A.....	138, 402
Haiden, N .....	697	Hegazy, A.....	106
Hainsworth, K .....	233	Hegyi, P.....	202
Hait, E.....	43	Hegyi, T.....	196, 439, 626, 627
Hajjat, T M. ....	525	Heinz, N .....	485
Halabi, I.....	316	Heinzerling, N P.....	515
Halabi, M.....	397	Heisel, M .....	288
Halac, U.....	393	Heller, T .....	146
Hale, A.....	295, 298	Hendrix, S .....	208
Hale, A.....	681	Henen, S Z. ....	164
Hall, C.....	502	Herdas, R E. ....	508, 563
Halpin, E .....	541	Herdt, A .....	196, 439, 626, 627
Hamilton, T E.....	732	Hermiston, M .....	109
Hammoudi, T .....	109	Hernandez, A.....	396, 621
Hamza, M.....	167, 455, 673	Hernandez, E .....	117, 216, 520, 616
Handy, L K. ....	274	Hernandez, J.....	148
Hanley, M.....	263	Herrera, L .....	663, 678
Hannon, T .....	588	Herrick, A.....	331
Hanson, J.....	344	Hertecant, J .....	710
Hapyn, E .....	430	Hertel, P M. ....	144, 148, 384
Harding, A .....	565	Herzlinger, M.....	556
Hardy, S.....	127, 131, 212	Hess, O .....	684
Harlow, K E.....	140, 376, 391, 528	Hester, L .....	39, 270, 284, 531, 562
Harney, S.....	635	Heubi, J E. ....	142, 144, 378, 618, 640
Harnsberger, J.....	314	Heuckeroth, R O. ....	566
Harpavat, S.....	126, 148, 150	Heyman, M B.....	109, 110, 356, 704
Harris, J .....	131	Heyman, M.....	107, 114
Harris, M .....	636, 687	Hicks, J.....	245
Harris, W T. ....	538	Hildreth, A .....	121
Harrison, D .....	4	Hill, I .....	262, 451
Hart, L .....	341	Hill, R J. ....	431
Harvie, M L.....	698	Hilow, E .....	139
Hasan, N.....	162, 229	Himes, R W. ....	374, 503, 652, 704
Hasebe, W.....	73	Hinojosa, K .....	377
Hashemi, G.....	333	Hirano, I.....	44
Hassan, H .....	511	Hirsova, P .....	236
Hassan, H .....	35	Hirten, R .....	594
Hassan, M .....	310	Hirway, P .....	556
Hassan, S.....	516, 587, 639	Ho, S .....	400, 506, 634
Hattar, L .....	259	Hochberg, J T.....	367, 434
		Hochegger, B.....	388
		Hochman, J.....	83

Hodges, C.....	457	Imam, T.....	601
Hoffenberg, A.....	96, 320	Infante, J C.....	136, 217
Hoffenberg, E J.....	96, 320	Ingano, L.....	705
Hoffman, I.....	668	Ingraham, H.....	736
Hofmekler, T.....	238	Inui, A.....	654
Hofstaedter, C E.....	27, 87	Ioannou, G N.....	160
Holasek, S.....	697	Iofel, E.....	195
Homan, E.....	3	Iorio, R.....	120, 237, 501
Homan, M.....	120, 237, 501	Iqbal, N.....	711
Hon, E.....	545	Irastorza, L.....	307
Hong, D.....	92	Ironside, D.....	227
Hong, J.....	275	Isaac, D M.....	239
Honigbaum, S.....	51, 460	Ishige, T.....	600
Hood, A.....	79	ISHIHARA, J.....	334
Hooker, J.....	140, 391	israel, N.....	540
Hopfer, C.....	96, 320	Israelyan, N.....	737
Horby Jorgensen, M.....	371	ISSA, A.....	540
Hornung, L N.....	214, 473	Iteld, L.....	86
Horslen, S P.....	160	Ito, J.....	723
Horta, B.....	394	Ito, K A.....	305, 645, 651, 656
Horvath, K.....	65, 168, 548	Ito, S.....	305, 645
Hosek, K.....	633	Ito, Y.....	654
Hosgül, N.....	246	Iwith, I.....	661
Hospattankar, K P.....	306	Izquierdo, Y.....	706
Hossain, J.....	274		
Hotwani, A.....	711	<b>J</b>	
Hourigan, S.....	51, 162, 460, 481	Jackson, D.....	314
Howard, A.....	586	Jackson, K.....	480, 580
Howe, D.....	468	Jacob, J.....	730
Hsu, E K.....	160	Jacobson, J.....	737
Huang, A C.....	117, 216, 355, 520, 616	Jacobson, R.....	696
Huang, B.....	340	Jacquemin, E.....	378
Huang, C S.....	89, 317	Jain, A K.....	177, 528
Huang, J.....	354	Jain, R.....	35
Huang, J.....	133	Jaloma Cruz, A.....	389
Huang Pacheco, A S.....	21	Jan, D.....	254
Huckaby, M.....	354, 391	Jang, Y.....	235
Huerta, S.....	566	Jantchou, P.....	267, 507, 582
Hughes, J.....	106	Jaramillo, C.....	88, 314
Hughes, J.....	370	Jaramishian, C.....	317
Hull, M A.....	263	Jarasvaraparn, C.....	14, 37
Hullmann, S.....	521	Jarzebicka, D.....	241
Hupertz, V F.....	625	Jativa, E.....	550
Husain, S.....	232, 444, 704, 713	Javed, T.....	444, 713
Hussein, K.....	196	Jay, F.....	647
Hutfless, S.....	523	Jaylene, W.....	496
Huynh, H.....	227	Jazayeri, A.....	164
Hwang, M.....	589	Jean-Baptiste, D.....	673
Hwang, S.....	299	Jeewa, A.....	716
Hyams, J.....	13, 107, 114, 240, 242, 327, 340, 364, 588	Jeffries, L.....	443
Hyman, P E.....	242, 557, 563	Jenkins, K.....	521
		Jennings, R W.....	732
<b>I</b>		Jensen, E.....	269
Ibrahim, S H.....	236	Jensen, K.....	1, 120, 237, 314, 481
Ibrahimi, N.....	268, 526	Jensen, M.....	108
Ichetovkin, I.....	640	Jensen, T.....	30
Ikomi, C.....	19, 214	Jerath, N.....	51
		Jerger, L.....	416

Jericho, H .....	228	Kaplan, M .....	601
Jerson, B.....	13	Kappelman, M .....	114
Jester, T.....	351	Karam, L.....	78, 148
Ji, B.....	84	Karen, R.....	315
Jiang, G.....	588	Karia, K .....	506
Jiang, M.....	42	Karikaran, A.....	597
Jiang, X.....	66	Karjoo, M.....	612
Jimenez, L.....	309, 437	Karjoo, S .....	650
Jin, R.....	396, 621	Karkra, S .....	399
John, M .....	357	Karns, R .....	124
Johnson, K M.....	259	Karnsakul, W .....	363, 647
Johnson, L .....	554	Karpen, S J.....	142, 143, 144, 362, 618, 640, 739
Johnson, M .....	721	Karpinski, A C.....	563
Jolly, M.....	19	Kasi, N.....	59, 72
Jonas, M M.....	5, 635	Kasper, D .....	705
Jones, D S.....	429, 688	Kasperaviciute, D.....	106
Jones, S A .....	155, 370	Kassa, H .....	238
Jongco III, A.....	112	Kassel, R .....	538
Jordan, M.....	431	Kastl, A.....	187
jose, f .....	641	Kastl, A.....	2
Josephs, S.....	226	Kato, Y .....	73
Joshi, S .....	686	Kaufman, J.....	106
Joshi, S .....	376, 528	Kaufman, S .....	379
Jossen, J .....	146, 322, 333	Kaul, A .....	68, 303
Josyabhatla, R .....	154	Kaur, P .....	279
Jouayed Oundjian, N.....	708	Kaur, S .....	598
Julius, D .....	736	Kavan, M .....	314, 528
Jump, C .....	59, 72, 178, 189, 208	Kawasaki, Y.....	660
Justino, H .....	148	Kazemian, M.....	106
<b>K</b>			
Kabbany, M.....	122, 159, 398	Kearns, G .....	496
Kadakia, N .....	308	Keefer, L A. ....	105
Kadenczki, O .....	202	Keith, B .....	489
Kader, H .....	604	Keith, J.....	106
Kaenkumchorn, T.....	653, 691	Keljo, D .....	114
Kaestner, K H. ....	734	Kelleher, P .....	106
Kagalwalla, A.....	44, 279, 542, 740	Keller, S.....	521
Kahlon, A.....	29, 75	Kellermayer, R.....	78, 114, 336, 481, 487
Kahn, S .....	330, 481	Kelly, D .....	590
Kaistha, A .....	175	Kelly, P.....	711
Kaj, B.....	127, 131, 212	Kelsen, J.....	87, 113, 187, 350, 481, 596, 605, 615
Kakarla, V .....	177	Kempf, C.....	181
Kalampokis, I.....	344	Kennedy, M .....	481
Kallabat, N.....	184	Kennedy, M .....	82
Kamada, N.....	603	Kenyon, V .....	229, 452, 700
Kamath, B M. ....	120, 142, 143, 144, 234, 237, 501, 618, 623, 640, 739	Kerkar, N.....	358
Kamath, S.....	46, 539	Kerner, J .....	677, 687
Kamenyeva, O.....	106	Kernizan, D .....	195
Kang, E .....	98	Kerr, J.....	311
Kang, E .....	463	Kerur, B.....	81
Kang, Y .....	571	Keswani, S .....	245, 487
Kanter, K .....	637	Khaderi, S .....	652
Kantor, J.....	519	Khalaf, R .....	493
Kapavarapu, P K. ....	495, 561, 702	Khalili, A.....	23, 98
Kapke, T .....	290	Khan, H H.....	379
Kaplan, J.....	328, 481	Khan, K M. ....	379
		khan, s .....	445

Khan, Z.....	128	Kolodziejczyk, E.....	220
Khan, Z.....	697	Koniaris, S.....	195
Khan, Z.....	612	Konidari, A.....	120, 237, 501
Khanna, S.....	481	Konomi, J.....	396, 621
Khlevner, J.....	280, 308, 409	Konsur, E.....	449
Kholwadwala, D H.....	383	Koon, G.....	145
Kichula, E A.....	368	Koot, B.....	120, 237, 501
Kierkus, J.....	220, 241, 430	Kopel, S.....	325
Kigler-Owens, J.....	725	Koppen, I J.....	71
Kijek, M R.....	449	Koral, A.....	91
Kilgore, A.....	614	Korczowski, B.....	241
Kilway, D M.....	418	Kordy, K.....	337, 528
Kim, C.....	407	Korn, E.....	116
Kim, D.....	41	Kosar, C.....	4, 201
kim, D.....	27	Kossoff, E.....	424
Kim, F.....	272	Kota, A S.....	186
Kim, G E.....	144	Kovacic, K.....	233, 291, 561
Kim, H.....	153	Kowalczyk-Kryston, M.....	241
Kim, J H.....	428	Kozan, P.....	446
Kim, K.....	22, 120, 237, 501, 722	Kozielski, R.....	357, 644
Kim, M.....	193	Kozlovich, S.....	650
Kim, M.....	588	Kramer, R E.....	253, 478, 494, 511, 731
Kim, S C.....	8	Kraus, A.....	538
Kim, S.....	362	Krekel, C.....	424
Kim, S.....	422, 425, 571, 649, 689	Krenc, A.....	449
Kin, C.....	76, 329, 718	Kresge, C.....	152
Kinard, J.....	31	Kriegermeier, A.....	119
Kinberg, S.....	164	Kriem, J.....	324
Kineman, B.....	414	Kubota, T.....	73
Kingsmore, S.....	121	Kudira, R.....	124
Kinnebrew, M.....	109	Kugathanan, S.....	114, 240, 364, 588, 597
Kiranmai, K.....	328	Kuhle, S.....	95
Kirby, A J.....	714	Kuhn, B.....	11
Kirschner, B.....	114	Kukreja, K.....	148
Kissinger, K.....	465	Kulkarni, K.....	359
Klarenbach, S.....	227	Kulkarni, S.....	133
Klein, E.....	162	Kumar, K.....	156, 158, 380
Klein, L.....	118, 441	Kumar, K.....	186
Kleiner, D.....	146	Kumar, P.....	670
Kluthe, C.....	79	Kupferman, F.....	167, 174, 673
Knight, R.....	184	Kurei, S.....	334
Knight, R.....	663	Kutluk, G.....	248
Knight, T J.....	351	Kutsch, E.....	569
Knight-Scott, J.....	396	Kwak, J.....	484
Ko, J.....	666	Kwass, J.....	433
Kobak, G.....	696		
Kocoshis, S.....	7, 342	<b>L</b>	
Koduri, M.....	428	Lacaille, F.....	371
Koegel, A.....	109	Lages, C.....	124
Kogan, D.....	400, 634	Lai, J.....	333
Koh, H.....	571, 649	Lakhani, S.....	115
Kohli, R.....	236, 366	Lakshmanan, P.....	386
Kohn, N.....	230, 699	Laky, K.....	31
Koksal, F.....	405	Lambert, J.....	358
Kolachala, V.....	476	Lambert-Jenkins, K M.....	331
Kolbe, A.....	385	Lammers, S.....	104
Kolho, K.....	120, 237, 501	Lamousé-Smith, E S.....	345, 409, 484
Kolli, S.....	520	Lamparyk, K.....	55, 85, 301

Lan, J	198	Leu, C	579
Landman, G	109	Leung, D H	142, 143, 618, 647, 739
Lane, E R	631	Leung-Strle, P	433
Laney, Z	277	Levin, T	634
Langnas, A	593	Levy, A	25
Langshaw, A	323	Lewindon, P	624
Lapp, D W	59	Lewis, G	83
Lappe, S	581	Lewis, J	83, 481
Larson, J	323	Leyva, A	550
Larson, J J	223	Li, D	66, 171
Larson, K	39, 270, 284, 531, 562	Li, F	337
Lásztity, N	202	Li, Q	152
Lau, A	130	Li, Z	737
Lau, S	406	Liacouras, C	33
Laupacis, A	79	Liang, Y	272
Laurence, A	106	Lichtlen, P	560
Laverdure, N	685	Lieberman, J A	276
Lavery, W	731	Lifschitz, C	332, 537
Lavrut, P	119	Lightdale, J	338, 406
Law, M	692	Lima, J J	498
Lawitz, E	377	Lima, R	452, 482, 700
Lazar, A	340	Lin, C	573
Lazar, L	505	Lin, H C	149, 368, 373, 401, 528, 643
Le, k	597	Lin, P	461
Lebensztejn, D	241	Lin, T	445, 473, 490, 704, 730
LeBlanc, C	17	Lin, Y	659
Ledder, O	120	Lindoso Lima, L	114
Lee, A	477, 562	Lindquester, W S	631
Lee, B	268, 526	Lindström, E	371
Lee, C	439, 626, 627	Ling, S C	475, 623, 647
Lee, C K	635	Linterman, M	106
Lee, D	104, 321, 349	Lipe, K A	574
Lee, D	163	Lipkin, S	353
Lee, E	422, 689	Lirio, R	338
Lee, F C	245, 260, 296, 403, 489, 716	Lisenby, M	351
Lee, G	607	Liu, E	681
Lee, J S	502	Liu, L	592
Lee, J	32, 47, 429, 535, 543	Liu, Q	22, 490, 704
Lee, J A	276, 703	Liu, S	83
Lee, J	43	Liu, W	644
Lee, P	528	Liu, Y	588
Lee, S	722	Llanos-Chea, A	733
Lee, T	644	Lobato, D	325
Leeder, J	496	Lobos, P	504
Lees, E H	574	Locklear, J	567
Lehmann, H	523	Loizides, A	29, 75, 347
LeLeiko, N	81, 114, 240, 325, 364	Lone, K	188, 206, 378
LeMessurier, K	276	Long, B	179
Lemire, S	733	Long, J P	177
Lemke, A	566	Loomes, K M	142, 143, 144, 361, 362, 618, 739
Lenardo, M	106	Lopez, C	129, 476
Leon, J	63	Lopez, C	636
Leonard, M M	229, 452, 700	Lopez, M J	657
Leonov, A	46, 539	Lopez, M E	716
Lépine, S	392	Lorimer, T	737
Lerer, T	327	Lowe, M	199, 704
Lerner, D G	495, 511		

Lowichik, A ..... 1  
 Lozeau, D ..... 712  
 Lozupone, C A. .... 411  
 Lu, P ..... 64, 69, 71, 304, 468, 553  
 Lu, T ..... 416, 733  
 Lu, Y ..... 658  
 Ludvigsson, J F. .... 221  
 Lueckler, J ..... 183  
 Lundin, A ..... 176  
 Luo, X ..... 500  
 Lurie, M ..... 562  
 Lustig, R ..... 579  
 Lutz, J ..... 667  
 Lyles, J L. .... 261  
 Lynch, D ..... 521  
 Lynch, M K. .... 351  
 Lyon, A ..... 356

**M**

M'Callum, M ..... 157, 392, 393  
 Mabizari, Z ..... 652  
 MacIsaac, D ..... 76, 329, 718  
 Mack, C ..... 120, 143, 237, 362, 501, 739  
 Mack, D ..... 114, 364  
 Mackner, L ..... 343, 721  
 MacLellan, A ..... 359  
 Maclin, J ..... 351  
 Madani, S ..... 372  
 Maddux, M H. .... 330  
 Madubuko, U ..... 426  
 Magee, J C. .... 142, 143, 144, 362, 618, 647, 739  
 Mager, D R. .... 239  
 Maghera, M ..... 79  
 Magliocca, J ..... 637  
 Mahajan, L ..... 55, 85, 301, 471  
 Mahle, W ..... 637  
 Mahoney, L B. .... 45, 286  
 Maier, C ..... 18, 264  
 Mait-Kaufman, J ..... 383  
 Makita, S ..... 73  
 Makiya, M ..... 504  
 Maksimak, B. .... 85, 581  
 Malik, S ..... 68  
 Mallett, L ..... 692  
 Mallette, M ..... 325  
 Mallon, D ..... 19, 214  
 Mallon, M G. .... 522  
 Maloney, C ..... 314  
 Maltz, R ..... 3, 721  
 Mamoun, I ..... 390  
 Mamula, P ..... 2, 22, 596  
 Manfredi, M A. .... 732  
 Mangahas, C ..... 157, 393  
 Manganaan, M ..... 188  
 Mangus, R S. .... 147  
 Mani, J ..... 339, 372

Manini, M ..... 71, 468, 553  
 Mankuzhy, N ..... 657  
 Mann, M ..... 79  
 Mansfield, A ..... 557  
 Mansi, M ..... 79  
 Mansoor, S ..... 569, 586  
 Manual-Rubio, M ..... 542  
 Manuel-Rubio, M ..... 315  
 Mao, C ..... 637  
 Maqbool, A ..... 704  
 Marchand, V ..... 685  
 Marchelletta, R ..... 446  
 Marcon, M A. .... 483  
 Marcus, E A. .... 28, 365, 665  
 Marcus, S ..... 83  
 Margolis, K G. .... 99  
 Marinovich, A ..... 522  
 Mark, J ..... 253, 478  
 Markowitz, G R. .... 417  
 Markowitz, J ..... 112, 114, 240, 364, 578, 588  
 Markowitz, J E. .... 277  
 Marostica, J ..... 388  
 Marostica, P C. .... 680  
 Marshall, J ..... 431  
 Marshburn, A ..... 161  
 Martin, H ..... 203  
 Martin, M G. .... 28, 710  
 Martin, T ..... 284  
 Martinelli, J ..... 629  
 Martinez, A ..... 495  
 Martinez, A ..... 4, 201  
 Martinez, M ..... 22, 120, 237, 501, 661  
 Martinez, O ..... 130  
 Martinez, S ..... 289  
 Marulkar, S ..... 370  
 Marx, A ..... 256  
 Mascarenhas, M ..... 704  
 Mason, M ..... 487  
 Massie, A ..... 500  
 Masterson, J C. .... 32, 535  
 Matallana, A ..... 191  
 Mathew, J E. .... 254  
 Mathews, A A. .... 52, 491  
 Mathews, J ..... 408  
 Mathias, G ..... 263  
 Mathison, A ..... 738  
 Matta, S K. .... 50  
 Matthews, J B. .... 449  
 Mattiello, R ..... 388, 680  
 Mattingly, A ..... 63  
 Mattos, A A. .... 394  
 Mattos, Y A. .... 313  
 Mattsson, J ..... 371  
 Matuszczyk, M ..... 430  
 Mavila, N ..... 630  
 Mavis, A M. .... 118, 441  
 Maxwell, E ..... 256, 596

May, K.....	284	Meyers, W.....	83
Mazariegos, G.....	141	Michail, S.....	165, 172, 481
Mazurak, V.....	239	Michel, H.....	250
Mazziotti, M V.....	296, 489	Michel, S.....	208
Mbonde, S.....	104	Middlesworth, W.....	280
McAdams, R.....	20	Middleton, J P.....	213
Mcanlis, C.....	432, 684	Miethke, A.....	124, 143, 364, 739
McCarthy, T.....	185	Mikulich-Gilbertson, S.....	96, 320
McClain, A M.....	1, 183, 273, 314	Millenson, M.....	325
McClenathan, D.....	650	Miller, B.....	250
McCoin, C.....	655	Miller, J M.....	230, 699
McCurdy, J.....	610	Miller, S A.....	330, 523
McDermott, J E.....	605	Milne, K.....	421
McDiarmid, S.....	365, 665	Miloh, T.....	120, 126, 138, 148, 150, 374, 402, 501, 633, 652
McDonald, D.....	43	Milonas, H.....	686
McDonough, E.....	584	Mimee, M.....	416
McElroy, S.....	497	Min, S.....	288
McElwee, J.....	106	Minar, P.....	480, 580, 613
McFerron, B.....	588, 704	Minkoff, N Z.....	668
McGee, J.....	8	Mintz, D.....	195
McGeough, M.....	446	Miranda, A.....	233, 291, 561
McGivney, M.....	194, 437, 438, 681	Miranda-Ribera, A.....	198
McGowan, E C.....	38	Mirea, L.....	532
McGrath, J.....	443	Mirò, J.....	620
McHugh, E.....	530	Mirpuri, J.....	707
McKenzie, L.....	20	Misic, A M.....	87
McKiernan, P.....	141, 381	Mitchell, E L.....	141, 361
McKinley, M J.....	515	Mitchell, P D.....	39, 180, 437, 635
McKinney, C A.....	38, 213	Mitchell, S.....	363
Mclaughlin, G.....	434	Mitsuyama, K.....	334
McMahon, P.....	584	Miyoshi, Y.....	654
McQuaid, E.....	325	Mizuochi, T.....	334, 654
McSweeney, M E.....	39, 270, 311, 531	moak, j.....	50
McWilliams, S.....	96, 320	Moawad, F.....	288
Medford, S.....	732	Modi, B.....	437
Medina, A L.....	355, 664	Mody, R.....	657
Medina-Centeno, R.....	565, 707	Mogul, D.....	420, 500
Mehta, D.....	65, 168, 211, 548, 662	Mohammad, S.....	723
Mehta, M S.....	453, 454, 670	Mohan, N.....	399, 628
Mehta, V.....	33	Mohan, P.....	120, 237, 501
Meier, P.....	691	Mohanty, P.....	635
Mejia, M.....	54, 550	Mohr, F.....	13, 525
Melanie, L.....	195	Mok, E.....	300
Melere, M U.....	394, 608, 609	Mokadem, M.....	497
Melquist, E.....	103	Mokalla, M.....	82
Memarian, S.....	641	Mokha, J.....	13
Memon, N.....	196, 439, 626, 627	Molle-Rios, Z.....	586, 642, 735
Menard-Katcher, C.....	614	Molleston, J P.....	142, 143, 618, 739
Mencin, A A.....	99, 511, 513	Monagas, J J.....	224
Mendez, N.....	112, 578	Mondal, K.....	114
Menz, T J.....	693	Mones, R L.....	708
Mercer, D.....	593	Moniz, H.....	325
Merchant, Q.....	686	Montalvo, A.....	347
Merritt, N.....	397	Monteiro, I.....	154, 426
Mesenbrink, K.....	731	Monteleone, G.....	711
Mestre, J.....	590	Montgomery-Recht, K.....	106
Metallo, C.....	428	Montoya, R.....	706
Meyers, M.....	395		

Montoya Melo, D.....	516
Moon, J.....	666
Moore, C.....	521
Moore, H.....	100, 101
Moore, J.....	362
Moore, D.....	244
Moreau, B.....	34
Moreau, C.....	224
Moreland, R S.....	549
Moreno, L.....	706
Morera, C.....	568
Morgan, P.....	472
Morhardt, T.....	603
Morinville, V.....	704
Morotti, R.....	346
Morris, E.....	655
Morris, N.....	184
Morris, N.....	697
Mosca, A.....	181
Moses, J.....	24, 98, 331
Mostajabi, F.....	19
Moszbacher, D.....	202
Mougey, E B.....	498
Moulton, D.....	114
Moulton, S.....	696
Mousa, H.....	53, 310
Mouser, B.....	161
Mouzaki, M.....	394, 474
Moya, D A.....	357
Moyer, K A.....	302
Mudambi, K.....	412
Mueller, J.....	710
Mueller, M.....	106
Mueller, P.....	131
Muir, A.....	27, 33, 269, 499
Muise, A.....	97, 234, 600
Mujadad, H.....	526
Mukherjee, A.....	713
Mulekar, M.....	14, 37
Mulgund, A.....	613
Mulia, S.....	692
Mullen, E.....	132
Mullen, M.....	124
Muller, K.....	102
Mullinax, L E.....	435
Muniz-Crim, A.....	355
Murakami, Y.....	660
Murase, M.....	679
Murchie, R.....	97
Murchio, D.....	467
Murphy, A M.....	51
Murphy, B.....	96, 320
Murray, K F.....	142, 143, 144, 146, 475, 528, 618, 631, 739
Murray, K.....	79
Murray, N.....	725, 726
Murthy, K.....	84
Murthy, S.....	163

Muthumani, M.....	549
Mutyalu, K.....	273, 314

## N

Nader, L.....	608, 609
Nagaraja, S.....	690
Nagendra, G.....	515
Nagiyev, T.....	405
Naguib, G.....	146
Nahas, S.....	121
Naik, S.....	328, 710
Naik-Mathuria, B.....	245
Naini, B.....	28
Nair, A.....	738
Najma, A.....	511
Nakagawa, H.....	499
Nakanishi, M.....	263
Nambiar, G.....	300
Nanton, S.....	572
Naramore, S.....	588
Naranjo, D.....	636, 687
Naraparaju, G K.....	103
Narasimhan, S.....	450
Narkewicz, M.....	395, 647
Narula, P.....	462
Nashed, H.....	581
Nasiri, S.....	642
Nathan, J.....	445, 473, 704, 730
Nathan, R.....	167, 174, 455, 673, 690
Nation, P.....	239
Nauka, P C.....	230, 699
Navetta-Modrov, B.....	112
Needlman, R D.....	306
Neira Fresneda, J.....	646
Nellikkal, S S.....	223
Nelson, C.....	433
Nelson, M.....	4
Németh, B.....	202
Neri, C.....	568
Nespor, C.....	677, 687
Newbury, R.....	310
Newsome, J.....	402
Newton, K P.....	140, 376, 391, 528
Ng, K.....	148
Ng, L.....	383
Ng, V L.....	362, 618, 623
Ngaba, L.....	734
Ngo, K.....	514
Ngo, P D.....	43, 732
Nguyen, D.....	635
Nguyen, H.....	152
Nguyen, K.....	407
Nguyen, N.....	32, 535, 731
Nguyen, P N.....	633
Ni, Y.....	659
Nicholas, S.....	538
Nicholls, L.....	35
Nichols, K.....	421

Nicholson, M.....481  
 Nickerson, K.....413, 733  
 Ninomiya, I.....504  
 Noble, A.....359  
 Noble, C.....624  
 Noe, J D.....114, 330, 588  
 Noel, R.....441  
 Noel, R A.....224  
 Nogueira, J.....632  
 Norris, C.....432  
 Novak, I.....29, 75, 254, 347, 506,  
 524  
 Nowalk, A J.....575  
 Nugent, M.....233  
 Nurko, S.....56, 242, 292, 295, 298,  
 299, 311, 485, 562, 564  
 Nuyt, A.....582

## O

O'Brien, C.....106, 107  
 O'Cathain, N.....120  
 O'Connor, J.....382  
 O'Donnell, J.....673  
 O'Haver, J.....281  
 O'Shea, J.....106  
 Oates, M.....721  
 Oberle, M.....684  
 Obih, C B.....210  
 Obrenovich, M.....404  
 Ochi, T.....603  
 Ochkur, S.....47  
 Odiasse, E.....505  
 Odisho, N.....543  
 Oesterreicher, S.....710  
 Ogholikhan, S.....146, 648  
 OGorman, M.....273, 314  
 Oh, S.....722  
 Ohashi, K.....651  
 Okafor, D.....443  
 Okamoto, K.....446  
 Okazaki, Y.....56, 292  
 Oldham, K.....495  
 Oliva-Hemker, M.....114, 348, 481  
 Olive, A P.....530  
 Oliveira, S B.....426  
 Olson, M.....601  
 Olson, T.....113  
 Olthoff, K.....643  
 Ooi, C.....704  
 Oparaji, J.....288  
 Orabi, A.....232  
 Oracz, G.....220, 241  
 Ornek, Z.....26  
 Orsagh-Yentis, D.....20  
 Orshan, D.....484  
 Orsi, M.....332, 504, 537, 629  
 Ortiz, C.....191, 209  
 Osborn, J B.....281, 532

Osborne, K.....304  
 Osgood, P T.....559  
 Ossai, C.....455  
 Ostro, D.....103  
 Otero, H.....57  
 Otley, A.....79, 95, 114  
 Ovchinsky, N.....400, 626  
 Ozdemir, S.....219  
 Ozgediz, D.....346, 546  
 Ozgonenel, B.....339

## P

Pack, M.....549  
 Padgett, L.....107  
 Paganelli, M.....157, 392, 393, 620  
 Page, S L.....595  
 Pai, A K.....5  
 Palermo, J.....704  
 Palezac, L.....186  
 Pall, H.....522  
 Palle, S.....382, 638  
 Palmer, I.....106  
 Palsson, O.....242  
 Pan, D.....408  
 Panchoo, A.....136, 217, 617  
 Panettieri, R A.....549  
 Panganiban, J.....528  
 Papadopoulou, A.....120, 237, 501  
 Papandria, D.....64  
 Parashette, K.....282  
 Park, E.....255  
 Park, J.....670  
 Park, K.....76, 169, 329, 718  
 Park, S.....571, 649  
 Park, Y.....737  
 Parkash, S.....456  
 Parker-Hartigan, L.....464  
 Parniczky, A.....202  
 Pashankar, D.....318, 346  
 Pasquarella, C.....398, 471, 625  
 Pasternack, M.....131  
 Patel, A.....691  
 Patel, A.....114  
 Patel, B.....503  
 Patel, D.....714  
 Patel, K.....138  
 Patel, N.....115, 358  
 Patel, R A.....1, 273, 314  
 Patel, S.....224  
 Patel, S.....503, 646  
 Patel, S.....255, 450  
 Patel, T.....605  
 Pathak, S.....710  
 Patil, D.....386, 458  
 Patra, K.....691  
 Patton, T.....481  
 Paul,, A.....369

Paul, F ..... 56, 292, 295, 298, 464, 469  
Pavuluri, A..... 540  
Pawar, A..... 598  
Peacock, J..... 565  
Pearce, R..... 496  
Peasley, A J..... 3, 123, 360, 721  
Peck, S N. .... 470  
Peichev, M ..... 455  
Pelster, J..... 514  
Pena, J M..... 147  
Penoyer, D ..... 662  
Pentiuk, S ..... 335  
Pereira, T..... 624  
Perez, C ..... 117, 128  
Perez, C ..... 560  
Perez de la Serna, J ..... 49  
Perito, E ..... 661, 704  
Perkins, M ..... 433  
Person, H..... 105  
Peter, T ..... 13  
Peterson, K..... 273  
Petersson, J..... 340  
Pham, T A..... 692  
Pham, T ..... 392, 393  
Pham, Y ..... 148  
Phatak, U P..... 546  
Phen, C..... 16, 650  
Philipp, K ..... 13  
Pi, D..... 734  
Piccoli, D A. .... 142, 294, 596, 704  
Picoraro, J ..... 99  
Pienar, C..... 202  
Piester, T L. .... 527  
Pimpalwar, S ..... 148  
Pinsk, V ..... 710  
Pinsky, B..... 130  
Pinto, L ..... 388  
Pinz, H ..... 714  
Pinzon Navarro, B A. .... 729  
Piskin, I E..... 26, 246  
Pittman, N..... 333  
Plantaz, D ..... 370  
Plessec, T ..... 625  
Plevinsky, J M..... 330  
Pochampally, S..... 177  
Pohl, J..... 1, 314, 528, 704  
Pomputius, W F..... 533  
Ponsky, T..... 52, 574  
Pope, A E..... 28  
Popinska, K..... 430  
Port, C ..... 460  
Porto, A F. .... 203, 318, 443  
Potter, C..... 360, 528  
Prachuapthunyachart, S..... 593  
Prager, J ..... 731  
Prasad, C ..... 134  
Prasad, R ..... 522

Prathapan, K..... 339  
Prendaj, E ..... 75, 254  
Pressley-Wallace, A ..... 30  
Preston, D..... 529  
Preto, L T. .... 680  
Price, A ..... 177  
Prince, E..... 48, 247  
Prince, J ..... 240, 597  
Prince, J M..... 515  
Prok, L..... 614  
Proudfoot, J ..... 310  
Pucci, K ..... 417  
Puckett, S..... 565  
Puertolas, M ..... 624  
Puma, A ..... 256  
Puppa, E L. .... 275, 604  
Puri, P ..... 177  
Purohit, S..... 441  
Putnam, C..... 710  
Putnam, P ..... 7

## Q

Que, J..... 42  
Quehenberger, O..... 428  
Queliza, K..... 336, 374, 481, 486, 503, 530  
Quirk, N ..... 421  
Quiros, J..... 22  
Quiros-Tejeira, R..... 593  
Qureshi, F ..... 516  
Qureshi, S ..... 711

## R

Raad, S..... 393  
Rabinowitz, S S. .... 479, 544  
Rabizadeh, S ..... 114, 577, 588  
Racha, K..... 22  
Rached Dastous, S ..... 685  
Radhakrishnan, K..... 122, 159, 386, 390, 398, 458  
Radhi, M ..... 225  
Rafferty, C..... 395  
Raggi, C..... 157, 392, 393  
Raghu, V K. .... 575  
Raghunathan, V ..... 628  
Rahhal, R ..... 15  
Raig, K..... 471  
Raikar, S..... 653  
Rajendra, C ..... 109  
Raju, S..... 554  
Ramachandran, S..... 262  
Ramachandran, V ..... 245, 260, 296, 403, 489, 716  
Ramaswami, A..... 333  
Ramdas, J..... 11  
Ramirez, A M. .... 83  
Ramirez, C R. .... 312  
Ramirez-Mayans, J..... 271

Ramkumar, H L.....	428
Ramm, G .....	624
Ramm, L .....	624
Rana, A.....	633
Ranganathan, S.....	141, 144, 381
Rao, A.....	532
Rao, S .....	519
Rashid, M.....	456
Ratchford, T L.....	714
Ratjen, F.....	474
Rawal, N.....	275, 604
Razzaghy, J.....	691
Read, K.....	349
reagan, t.....	463
Recio, A.....	49
Reddy, M.....	602
Reddy, P.....	400, 634
Reed, E.....	665
Reed, K M.....	382
Reeves-Garcia, J.....	216
Reilly, N.....	204, 221, 308
Rein, L E. ....	557
Reinstein, L.....	492
Ren, L .....	171
Restellini, S.....	341
Restifo, N .....	106
Reue, K.....	366
Reuther, E .....	557
Reyes ferral, C.....	567
Reyes-Santiago, E.....	593
Rhee, K E.....	663, 678
Rhee, S .....	110, 704
Rhoads, J M.....	265
Rhodes, L R. ....	415
Ricciuto, A.....	120, 234, 237, 501
Rietsma, K.....	674
Rivas, Y.....	347, 400, 506, 634
Rivera-Nieves, D.....	25, 40, 65
Rivera Rivera, E D.....	136, 217, 617
Rivera-Rivera, e.....	323
Robbins, S L.....	428
Roberts, E A. ....	623
Roberts, K.....	20
Robinson, A.....	340
Robson, J.....	273, 314
Rodriguez, E .....	458
Rodriguez, J R.....	716
Rodriguez, L .....	550
Rodriguez, L .....	309, 485, 564
Rodriguez-Baez, N.....	475
Rodriguez Pérez, M.....	389
Rojas, C P. ....	135
Rojas, I .....	453
Rojas Gallegos, M B.....	287
Roman, D .....	388
Romano, C.....	465
Romeo, A .....	337
Romero, R.....	142, 144, 238, 637
Rosario, M S. ....	18, 264
Rose, F T. ....	713
Rosen, D .....	94, 319
Rosen, J .....	67, 297
Rosen, M J. ....	111, 613
Rosen, R.....	39, 45, 270, 283, 284, 286, 477, 531, 562
Rosenberg, D W.....	263
Rosenthal, A .....	426
Rosenthal, P .....	142, 143, 387, 475, 618, 640, 739
Rosh, J .....	107, 114, 340, 588
Roskens, J .....	572
Ross, A.....	556
Ross, J.....	740
Rossetti, M .....	665
Rossi, T .....	115, 247
Rothenberg, S S.....	574
Roumiantsev, S.....	127
Rousseau, M.....	582
Rovati, N.....	504, 537
Roychoudhuri, R.....	106
Ruan, W.....	505
Rubinstein, E.....	43, 284, 562
Rudnick, D .....	133
Rudolph, B.....	528
Rudra, S .....	401, 643
Ruemmele, F .....	340
Ruffner, M.....	285
Ruiz, A.....	209
Ruiz, V.....	211
Ruiz de Leon, A.....	49
Rupar, T .....	134
Russell, A .....	17
Russo, B .....	118
Russo, P .....	566
Rust, D .....	272
Rzepski, B .....	13
<b>S</b>	
Saab, S.....	24
Saad, A.....	266
Sabharwal, S.....	709
Sacks, N .....	197
Sadiq, K.....	257, 711
Sagstetter, M.....	738
Sahin-Tóth, M.....	202
Sahoo, M .....	130
Sainath, N N.....	684
Saint-Cyr, M.....	353
Saitoh, S.....	305, 645, 651, 656
Salazar-Gonzalez, R .....	366
Salinas, G .....	299
Samarasinghe, A.....	276
Sams, L .....	189
Sanchez, M C. ....	504, 629
Sanchez-Esteban, J .....	693
Sandberg, K .....	472

Sanderson, I .....	710	Segev, D.....	500
Sands, B.....	325	Seidman, E.....	341
Sandweiss, D.....	314	Seifer, R.....	325
Sangal, K.....	452, 700	Sellers, Z.....	76, 329, 718
Sanghavi, R.....	565, 707	Semrin, M.....	518
Sankararaman, S.....	24, 592	Senger, S.....	413, 705, 733
Sankepalli, D.....	23, 243	Sengupta, R.....	566
Sansotta, N.....	228	Seo, J.....	425
Santino, J.....	504	Septer, S.....	268, 526
Santos, F.....	388	Serena, G.....	218, 229, 482
Santucci, N.....	200, 440, 557	Sergi, C.....	239
Sanville, J.....	693	Serrette, A.....	701
Sapone, A.....	705	Setchell, K D.....	124, 143, 366, 378, 739
Saps, M.....	54, 60, 74, 190, 242, 304, 312, 315, 570, 573	Sethi, A.....	268
Saravia, M A.....	309	Severyn, M.....	466
Sarin, T.....	545	Sferra, T.....	23, 98, 331, 447, 592
Saripkin, L.....	83	Shaffer, M L.....	631
Sarmento, O.....	738	Shagrani, M.....	156, 380, 622
Sathya, P.....	120, 237, 501	Shah, A A.....	2, 149, 368
Satou, Y.....	679	Shah, A.....	214
Saubermann, L.....	237, 501	Shah, K P.....	245, 260, 296, 403, 489, 716
Sauer, C.....	364, 517, 597	Shah, M.....	203
Sauls, B.....	63	Shah, M.....	244
Savarino, J.....	328	Shah, M.....	161, 265
Say, D.....	598, 676	Shah, R.....	268, 526
Sayed, A.....	106	Shah, S.....	325
Sayej, W N.....	13, 30, 278, 525	Shah, S.....	109
Saylor, M E.....	505	Shah, U.....	127, 131, 212, 704
Schafer, M.....	21	Shahein, A R.....	357, 466
Schall, J.....	432, 684	Shaikhkhalil, A K.....	178
Schechter, M.....	524	Shakeel, F.....	215
Schechter, N.....	56, 292, 295, 298	Shakhnovich, V.....	496, 585
Scheeffler, V A.....	608, 609	Shakir, A.....	9
Scheimann, A.....	424, 427	Shalon, L.....	556
Scherer, C.....	91, 318, 546	Shambayati, M.....	316
Schindler, M.....	557	Shane, A.....	238
Schlager, A.....	491	Shanmukhappa, K.....	124
Schlein, A.....	391	Shapiro, J M.....	81, 325, 556
Schlomer, B.....	587	Shapiro, M.....	101
Schmalz, M.....	145	Shapiro, W.....	528
Schmid, C.....	325	Sharma, A.....	154
Schosheim, A.....	116	Sharma, P.....	613
Schroeder, S.....	47, 281, 532, 543	Shayakhmetov, D.....	476
Schroedl, R L.....	451, 721	Shaykin, R.....	542
Schurman, J.....	552	Shea, J.....	720
Schwab, J.....	426	Shen, A.....	592
Schwartz, N.....	349	Shen, M.....	476
Schwartz, S.....	542	Shenoy, A.....	566
Schwarz, K B.....	146, 235, 420, 475, 500, 648	Shenoy, V.....	109
Schwarz, S M.....	103, 479, 544	Sheridan, R.....	335
Schwarzenberg, S J.....	199, 475, 704	Sherker, A H.....	142, 143, 144, 362, 618, 739
Schwimmer, J B.....	140, 376, 391, 528	Sherman, A.....	585
Scivolino, F C.....	263	Sherrod, O.....	83
Sebastian, T.....	50	Shi, T.....	124
Seeborg, F O.....	403	Shikanov, A.....	157
Sefanovici, C.....	610	Shim, J.....	425

Shim, K P.....	32, 47, 543	Socha, P.....	241
Shintaku, H.....	660	Sochet, A.....	650
Shirton, L.....	227	Sockolow, R.....	353
Shivaram, G.....	631	SODEN, J.....	448
Shneider, B.....	143, 144, 148, 739	Sohn, M.....	666
Shores, D.....	215	Sokol, R J.....	143, 144, 362, 618, 739
SHORES, D.....	348	Sokoro, A.....	611
Short, J J.....	533	Solaiman, A Z.....	161
Shrager Lusman, S.....	345	Sole, M.....	662
Shraim, R.....	107	Soler Rodriguez, D M.....	637
Shteyer, E.....	237, 501	Soliman, W.....	640
Shu, Z.....	66	Solomina, J.....	449
Shull, M H.....	262, 451	Solomon, L.....	103
Shulman, R.....	242	Soltys, K.....	141
Shyken, P.....	723	Somineni, H.....	597
Sidhu, S D.....	589	Son, S.....	18, 264
Siebold, L.....	381, 435	Soni, P.....	371
Sieczkowska-Golub, J.....	241	Sood, M.....	233, 290, 560, 561
Siegel, R M.....	125	Sorel, L.....	728
Sierra, D.....	216, 355, 419	Sorensen, L G.....	618
Sifuentes-Dominguez, L.....	226	Sota, A.....	629
Sikaroodi, M.....	177	Sothiselvam, S.....	733
Sikka, N.....	51	Soysal, Y D.....	26, 246
Silva, C S.....	608, 609	Spain, K.....	661
Silverman, A.....	179, 290	Spain, T.....	565
Silverstein, J.....	556	Sparks, B.....	58
Simmons, J.....	124	Sparrow, A.....	56, 292, 295, 298, 469
Simpson, P.....	233, 291	Spencer, E.....	333, 594
Singh, A.....	204	Spergel, J.....	27, 285
Singh, A.....	577	Spinner, N B.....	142, 294, 549
Singh, K.....	708	Spino, C.....	143, 362, 739
Singh, K.....	406	Splawski, J.....	98, 302, 331
Singh, M.....	70, 552	Squires, D.....	381
Singh, N.....	577	Squires, J E.....	141, 364, 381, 618
Singh, V.....	70, 552, 585	Squires, R H.....	141, 143, 144, 361, 739
Sinha, A.....	122	Srinath, A I.....	8, 250, 575
Sirlin, C.....	140, 391	Srinivasan, R.....	710
Sivagnanam, M.....	446, 710	Staiger, L E.....	442
Sivilich, S.....	549	Stallings, V.....	432, 684
Sklar, R.....	479, 544	Stamm, D A.....	194, 410, 437, 438, 681
Smadi, Y.....	25, 40, 289, 548	Staszak, J K.....	505
Small, A.....	356	Stathos, J G.....	574
Small-harary, L.....	667	Stathos, T H.....	574
Smith, C.....	731	Stein, P.....	100, 101
Smith, H.....	211	Stein, R E.....	596
Smith, J L.....	721	Steinberg, K.....	4
Smith, J.....	532	Steiner, S.....	114, 588
Smith, L.....	135	Steinhaus, C.....	608, 609
Smith, T.....	406	Stephens, M.....	114, 588
Smithers, C J.....	732	Stewart, D.....	235, 363, 427
Smith-Whitley, K.....	432	Sthapit, B.....	669
Smolka, V.....	237, 501	Stoeckel, M.....	349
Smyrk, T.....	738	Stolic, A.....	299
Snapper, S.....	114, 477, 588	Stoos, C.....	572
Snyder Christiana, J M.....	56, 292, 295, 298	Storm, H.....	414
So, H.....	227	Strauss, K.....	141
Sobolewski, K.....	410	Strauss, R.....	107
Socec, C.....	335	Strober, W.....	106

Strong, D .....	663, 678	Taylor, S N. ....	189, 691
Sturm, E .....	371	Taylor, S.....	543
STURM, R .....	671	Teckman, J.....	142, 144, 177, 475, 618
Su, W.....	613	Tekieli, T M. ....	484
Subbarao, G C. ....	147	Tekin, A.....	367
Subnaik, P .....	289	Temtem, T .....	606, 698
Subramanian, P.....	162, 229	Teolis, G.....	267
Suchy, F J.....	144	Terry, J.....	207
Sugiura, T .....	305, 645, 651, 656	Terry, N A. ....	734
Sukumaran Nair, A .....	174	Tetri, B A.....	177
Sullivan, K.....	285, 350, 605, 615	Thabet, A .....	131
Sun, H.....	106	Thau, E M. ....	100, 101
Sun, T .....	232	Thavamani, A.....	122
Sun, Z .....	738	Thomas, D .....	143, 739
Sundaram, S.....	528	Thomas, R.....	339
Sunkara, M.....	692	Thompson, B P. ....	71
Super, D .....	306	Thompson, D .....	139
Superina, R A.....	144	Thompson, J .....	29, 347
Surana, P .....	146	Thompson, R J. ....	144, 371, 640
Suskind, D .....	104, 321, 481	Thompson, T.....	445, 473
Sutphin, R.....	40	Thorp, L .....	344
Sutton, T .....	314	Thorpe, K.....	184
Suzuki, M .....	654, 656	Thurm, A.....	63
Svingen, P.....	738	Thyfault, J .....	655
Swain, N .....	683	Tian, J .....	66
Swan, E K.....	18, 264, 493, 674	Tian, L .....	235
Sweeney, H .....	13	Tibudan, M .....	449
Sweeney, R W. ....	87	Tipnis, N A. ....	266, 536
Sy, E Z.....	140, 391	Tobin, M.....	712
Syed, S.....	711	Tobin, N H.....	163
Szentesi, A.....	202	Tofteland, N.....	259
Szonyi, L P. ....	158	Togawa, T .....	305, 651
Sztein, M.....	413	Tokodi, I.....	202
<b>T</b>		Tokuhara, D.....	660
Ta, A.....	162	Tomer, G.....	75, 254, 347
Tagliaferro, G J. ....	504, 629	Tomita, k .....	236
Tajiri, H.....	654, 656	Tong, S.....	696
Takaki, Y .....	334	Topper, L .....	708
Takano, T .....	654	Torfgard, K.....	371
Talathi, S .....	590	Toro Monjaraz, E .....	271
Tallar, M.....	694	Torres, C .....	436
Talmadge, C .....	83	Totapally, B.....	419
Tan, T .....	573	Tóth, A.....	202
Tan, T .....	175	Tran, P .....	198
Tan, V.....	328	Trebichavsky, J .....	685
Tanaka, A .....	237, 501	Trempe, M.....	79
Tanaka, Y.....	645, 656	Tribble, K .....	676
Tanes, C.....	27	Troendle, D M. ....	22, 226, 490, 505, 511, 516, 527, 704
Tang, L.....	672	Troup, E C. ....	59
Tang, Y .....	630	Trout, A .....	262
Tanuos, H.....	426	Truong, T .....	244
Tartalone, L.....	184	Tsai, C M.....	530
Tatli, D.....	246	Tsai, Y .....	480, 580
Taveras, E.....	433	Tsugutoshi, S .....	660
Taylor, A.....	124	Tufano, M.....	599
Taylor, A.....	256	Tullis, E .....	474
Taylor, D.....	149	Tullius, B P. ....	598

Tumba, J.....407  
 Tumgor, G .....219, 405  
 Tung, J.....326  
 Turgut Balik, D .....682  
 Turmelle, Y P.....661  
 Turner, A.....465, 730  
 Turner, D.....107, 340  
 Turner, J.....227, 239

**U**

Uc, A.....199, 704  
 Ugurel, O.....682  
 Uhlig, H .....106  
 Ulrich, J .....326  
 Umana, L.....639  
 Umetsu, S.....110  
 Unnikrishnan, N .....81, 556  
 Unteutsch, R .....233  
 Urganci, N .....248  
 Urlesberger, B.....697  
 Urrutia, R .....738  
 Ursino, F.....629  
 Ushijima, K .....654  
 Uskudar, O .....405  
 Ustundag, G H.....26, 246  
 Uyduran, N.....405

**V**

Vaid, Y .....590  
 Vaidy, K.....103, 479, 544  
 Valayannopoulos, V .....370  
 Valdivieso, F.....566  
 Valentino, P.....237, 501  
 Valitutti, F .....229  
 Vallance, J E.....111  
 Valleteau de Moulliac, J.....181  
 Van Caesele, P.....610  
 Vanderleyden, I.....106  
 Vandriel, S.....623  
 Vandrovцова, J.....106  
 Van Egroo, L.....181  
 van Tilburg, M.....242, 557  
 Vara, R.....370  
 Vargas, L.....593  
 Vargas-Luna, F.....67  
 Varier, R .....237, 314, 501  
 Vass, I.....202  
 Vasudevan, S.....245, 260  
 Vaz, K .....69, 71, 304, 468  
 Vecino, R .....49  
 Veereman, G.....107  
 Velasco-Benitez, C A. ....54, 60, 190, 191, 192,  
 209, 293, 312, 550  
 Velazquez, V.....695  
 Vellanki, S.....77  
 Venick, R .....665  
 Venkat, V.....237, 362, 501  
 Venkatasubramani, N .....441

Venkatesh, R.....509  
 Venkateswaran, S.....114, 597  
 Venkatramani, R.....138, 260, 402  
 Veres, G.....102, 202  
 Verhave, M.....82  
 Verma, R.....197, 470, 719  
 Verstraete, S G. ....109, 110, 356  
 Vigni, A .....377  
 Vijay, C S.....61, 551  
 Vijay, S.....155  
 Vikraman-Sushama, D .....118  
 Villalona, G .....177  
 Villamarin, E .....293  
 Villarino, A .....106  
 Vincent, C .....620  
 Viswanathan, K.....455  
 Vitale, D S. ....7, 473  
 Vitola, B .....237, 501  
 Vittinghoff, E .....579  
 Vo, H.....593  
 Vogel, A .....245  
 Vos, D .....46, 539  
 Vos, M B. ....237, 396, 501, 621  
 Vriesman, M .....69, 312  
 Vu, B .....349  
 Vukson, k.....43

**W**

Wachs, T L. ....104, 321  
 Waddell, A.....111  
 Waddell, B.....12  
 Waddell, J.....604  
 Wagner, B.....250  
 Wagner, D .....636, 687  
 Wahbeh, G .....104, 107, 321  
 Waisbourd-Zinman, O .....119  
 Walden, J.....462  
 Wales, P.....4, 201, 239  
 Walia, C .....694  
 Walia, R .....540  
 Walji-Virani, S.....518  
 Walker, A O. ....166  
 Wallace, C.....36  
 Wallach, T.....675  
 Walsh, C M. ....483  
 Walsh, J .....134  
 Walsh, M .....458  
 Walters, T .....97, 114, 234, 364, 588  
 Wang, A.....17  
 Wang, B .....66  
 Wang, B .....14, 37  
 Wang, H.....150  
 Wang, J.....68  
 Wang, K S. ....142, 144, 362, 618  
 Wang, L.....449  
 Wang, M.....336, 503  
 Wang, M.....740  
 Wang, T .....232

Wang, X.....	406
Wang, Z.....	278
warman, k.....	56, 292
Warner, N.....	97, 600
Warren, M.....	366
Warsi, Q.....	612
Waters, P J.....	393
Wathen, J.....	514
Watts, N.....	106
Way, E.....	460
Weber, B.....	525
Webster, J.....	719
Wechsler, J.....	44, 279, 542, 740
Wei, C.....	573
Wei, S.....	582
Wei, X.....	353
Weidner, M.....	195
Weinberger, B.....	439, 626, 627
Weinstein, T A.....	230, 699
Weiss, I K.....	365
Weitzner, J H.....	597
Wejnarska, K.....	220
Wells, R.....	119
Wen, L.....	444, 713
Werk, L N.....	274
Werlin, S.....	22, 481, 704
Wershil, B.....	44, 542, 740
Westmoreland, T.....	567
Weston, S C.....	728
Westrich, M.....	177
Weymann, A.....	647
Whaley, K.....	335
Wheeler, J C.....	303
Whelan, K.....	269, 499
Whitcomb, D C.....	199
Whitfield van Buren, K L.....	716
Whittington, P F.....	143, 362, 739
Whitworth, J.....	90, 583, 606
Wiehe, S.....	521
Wiernicka, A.....	430
Wiggins, S M.....	635
Wild, Y.....	109
Wilkins, B J.....	499, 549, 734
Wilks-Gallo, L.....	667
Williams, A.....	498
Williams, D.....	532
Williams, J.....	277
Williams, R F.....	505
Williams, V.....	585
Williamson, A K.....	668
Willingham, F.....	715
Wilschanski, M.....	704
Wilsey, A.....	18, 264, 493, 674
Wilsey, M.....	16, 18, 22, 264, 493, 650, 674
Wilson, C.....	277
Wilson, L.....	348, 463
Winderman, R.....	544
Winesett, S P.....	672
Wingfield, P.....	106
Witkowski, P.....	449
Wixey, J.....	624
Wizzard, P.....	239
Wolf, M.....	639
Wolfe, J.....	461
Wong, J J.....	76, 329, 718
Wong, J.....	278
Woo Baidal, J.....	421, 433, 513
Wood, M L.....	355, 419
Woodard, A.....	493
Woods, M.....	456
Woodward, J.....	532
Woynarowski, M.....	237
Wozniak, L J.....	28, 665
Wren, A A.....	76, 77, 329
Wright, B L.....	32, 47, 535, 543
Wu, A J.....	163
Wu, H.....	138
Wu, J.....	227
Wu, Y.....	587
Wysocki, T.....	274
<b>X</b>	
Xanthakos, S A.....	125, 528
Xi, D.....	172
Xie, S.....	586
Xing, A.....	737
Xu, J.....	686
<b>Y</b>	
Yacob, D.....	58, 64, 69, 71, 304, 468
Yadav, D.....	199
Yallanki, N.....	667
Yan, S.....	482
Yanagi, T.....	654
Yang, C.....	130
Yang, H.....	41, 422, 425, 666, 689
Yang, J.....	215
Yang, M.....	171
Yap, J.....	239
Yarger, E A.....	472
Ye, W.....	142, 144, 618, 647
Ye, Y.....	497
Ye, Z.....	235
Yeh, A.....	6, 77
Yeh, H.....	131
Yi, D.....	193
Yilmaz Semerci, S.....	682
Yoakam, L.....	195
Yooseph, S.....	662
Younes, B.....	10
Younoszai, A.....	395
Yu, E L.....	140, 376, 528
Yu, H.....	76, 329, 718
Yusti Caicedo, V.....	332

**Z**

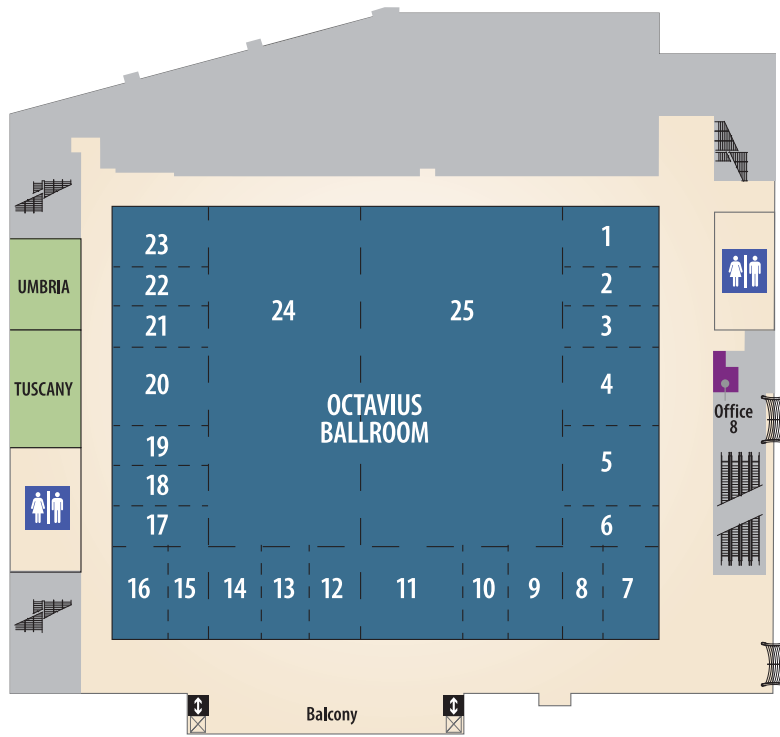
Zablah, R .....	190, 550
Zacharias, S A. ....	522
Zarate Mondragon, F .....	271
Zarour, E .....	267
Zavoian, S.....	591
Zeft, A .....	581
Zeien-Tarantelli, M.....	75
Zeisler, B .....	13
Zhang, K .....	718
Zhang, L.....	50
Zhang, L.....	683
Zhang, L.....	291
Zhang, L.....	385
Zhang, N.....	66

Zhang, W .....	124
Zhang, X T.....	72, 189
Zhang, Y.....	413
Zhang, Y.....	42
Zhang, Y.....	106
Zhao, L.....	657
ZHENG, Y .....	22, 704, 717
Zhu, L.....	644
Zhu, W.....	705
Zimmerman, B.....	199, 704
Ziring, D .....	114
Zitsman, J L.....	513
Zwiener, R .....	242
Zylberberg, H.....	221

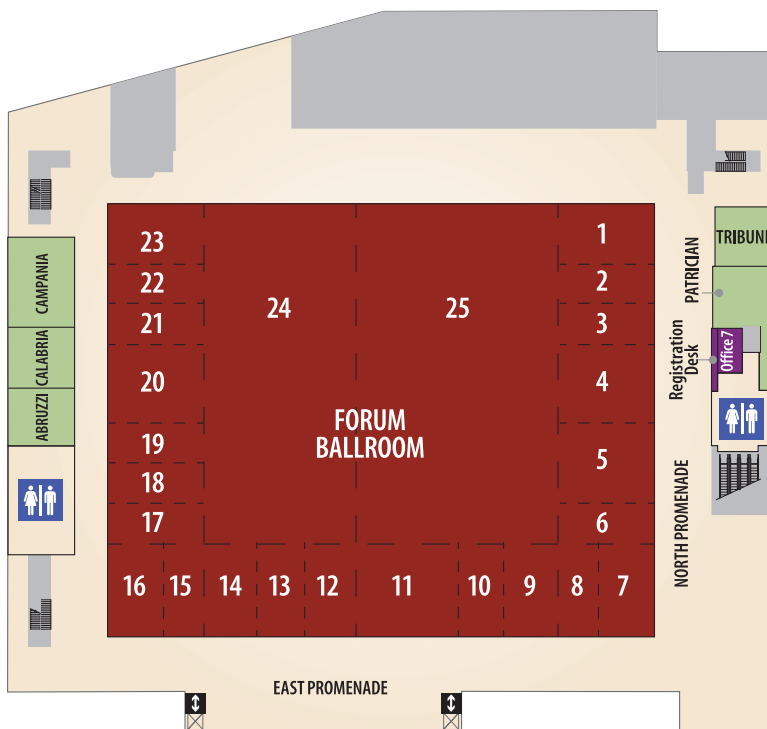


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