# H1016: Section on Surgery Program: Day 1

**Hyatt Regency, Windermere Ballroom X**  
**Friday, September 27**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Surgical Educators Workshop*</td>
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<td>7:00 AM</td>
<td>Pediatric Surgical Residents Workshop</td>
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<tr>
<td>1:00 PM</td>
<td>Welcome*</td>
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<td>Saleem Islam, MD, FAAP, Chair</td>
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<td>1:05 PM</td>
<td><strong>Symposium 1: Functional Outcomes after ARM Reconstruction Joint Session with the Section on Urology</strong></td>
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<td>1:05 PM</td>
<td>Pediatric Urology Viewpoint</td>
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<td>Briony Varda, MD, MPH</td>
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<td>1:25 PM</td>
<td>Pediatric Surgery Viewpoint</td>
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<td>Belinda Dickie, MD, PhD</td>
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<td>1:45 PM</td>
<td>Pediatric Gastroenterology Viewpoint</td>
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<td>Des Yacob, MD</td>
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<td>2:05 PM</td>
<td>Q&amp;A</td>
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<td>2:25 PM</td>
<td>Break*</td>
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<td>This portion of the agenda is not designated for CME credit.</td>
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<td>2:45 PM</td>
<td>Robin Petroze, MD, FAAP</td>
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<td>3:05 PM</td>
<td>Erik Hansen, MD</td>
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<td>3:25 PM</td>
<td>Colleen Fant, MD</td>
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<td>3:45 PM</td>
<td>Serving and Learning Together: Practical Approaches to Democratizing Global Surgery</td>
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<td>Sherif G. S. Emil, MD, CM, FAAP</td>
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<td>4:05 PM</td>
<td>Michelle Niescierenko, MD, MPH, FAAP</td>
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<tr>
<td>4:25 PM</td>
<td>Q&amp;A</td>
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<td>5:00 PM</td>
<td>Adjourn</td>
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<tr>
<td>5:30 PM</td>
<td>Surgical Residents Networking Event</td>
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<td>Supported by Ann &amp; Robert H. Lurie Children's Hospital</td>
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*This portion of the agenda is not designated for CME credit.*
H2015: Section on Surgery Program: Day 2
Saturday, September 28

7:00 AM  Coffee & Pastries
Supported by Le Bonheur Children's Hospital
Welcome*
Saleem Islam, MD, FAAP, Chair

7:05 AM  Announcements From Program Chair*
Jennifer Aldrink, MD, FAAP, Program Chair

7:10 AM  Scientific Session I – Rosenkrantz Basic Science Presentations
Moderators: Gerald Gollin, MD, FAAP and Edward Tagge, MD, FAAP
An Engineered Medium-Chain Fatty Acid Analogue Protects Against Lipopolysaccharide-Induced Liver Injury in a Murine Model of Intestinal Failure-Associated Liver Disease
Sarah Wang, MD, MPH

A Prospective Cohort Study of Serum Intestinal Fatty Acid Binding Protein (I-FABP) as a Predictor of Necrotizing Enterocolitis (NEC)
Sophia Hameedi, MD

Bridging the Gut and Brain: The Potential Role of IL-17A Inhibition in Necrotizing Enterocolitis Therapy
Krishna Manohar, MD

Combined Transamniotic Delivery of mRNA Encoding for Surfactant Proteins B and C Enhances Preterm Fetal Surfactant Production in a Rodent Model
Kamila Moskowitz, MD

Dietary Fat Composition Influences Liver Injury after Massive Intestinal Resection
Hannah Phelps, MD

Extracellular Vesicles from the Amniotic Fluid as Potential Biomarkers of Neuroinflammation in Human Myelomeningocele
Lina Antounians, MSc

Argon inhalation reduces intestinal and brain inflammation during experimental necrotizing enterocolitis
Felicia Balsamo, BSc

Development of a Novel Ex Vivo Model of Congenital Diaphragmatic Hernia Lung Hypoplasia by Mechanical Compression and YAP Inhibition
Anne Sescleifer, MD

Differential Gene Expression Analysis in Neuroblastoma Circulating Tumor Cells
Keyonna Williams, MD

Evaluation of Indocyanine Green-Labeled Dinutuximab as a Novel Intraoperative Molecular Imaging Agent for Neuroblastoma: An Orthotopic Murine Model
William Lee, MD

2024 Arnold Salzberg Mentorship Lecture
Michael Caty, MD, FAAP

8:50 AM  Coffee Service*
Supported by Children's Hospital of Alabama
8:50 AM  **Scientific Session II – Rosenkrantz Clinical Science Presentations**  
*Moderators: Robin Petroze, MD, FAAP and Daniel Solomon, MD, FAAP*  
8:50 AM  Do pre-operative antibiotics reduce surgical site infections in pediatric patients on therapeutic antibiotics for appendicitis?  
**Kathleen Doyle, MD**  
8:58 AM  Regional transfer of children with appendix-related concerns on outside abdominal cross-sectional imaging  
**Sindhu Mannava, MD**  
9:06 AM  Frequency of VACTE(G)RLS associated anomalies in newborns with anorectal malformations across hospitals within the Pediatric Health Information  
**Thomas Xu, MD**  
9:14 AM  Local Infrastructure and Economy Predicts Traffic Related Fatalities in Children  
**Zane Hellmann, MD**  
9:22 AM  Mortality from Unintentional Errors in Surgical and Endoscopic Procedures in Pediatric Patients: A Nationwide Analysis from 1999 to 2020  
**Rafia Durrani, MD**  
9:30 AM  Outcomes After Thoracoscopic and Open Repair of Esophageal Atresia with Tracheoesophageal Fistula at US Children’s Hospitals  
**Simone Hyman, MD**  
9:38 AM  Risk Factors and Treatment Strategies for Anastomotic Ulcers in Pediatric Short Bowel Syndrome  
**Priyanka Chugh, MD, MS**  
9:46 AM  Case-matched comparison of outcomes following neonatal mucous fistula refeeding: 13 year institutional review  
**Goeto Dantes, MD**  
9:54 AM  Slow Down Fluids to Speed Up The Intestine – Exploring Post-Operative Ileus in Pediatric Gastrointestinal Surgery  
**Alison Lehane, MD**  
10:02 AM  The Hidden Dangers: Superabsorbent Polymer Beads as an Increasing Cause of Bowel Obstruction in Children  
**Alicia Greene, DO**  
10:10 AM  **Poster Walk (with Door Prize)*  
11:20 AM  **2024 William E. Ladd Medal Lecture – Jay Wilson, MD**  
*Introduction by Kevin Lally, MD, FAAP*  
11:45 AM  **Scientific Session III – Basic Science Abstract Presentations Concurrent Session**  
*Moderators:*  
11:50 AM  Fucosyltransferase Blockade is a Novel Metabolic Vulnerability in MYCN-amplified NBs  
**Michael Buoncristiani, BS**  
11:58 AM  Extracellular vesicles derived from intestinal epithelial organoids during necrotizing enterocolitis  
**Andrea Zito, MSc**  
12:06 PM  Intraoperative Molecular Imaging of Neuroblastoma with DTPA[In-111]-Dinutuximab-IR800: Optimization to Prepare for Clinical Use
Lauren Rosenblum, MD, PhD
Autophagy impairment mediated by mTORC1 activation in hepatocytes correlates with liver injury in a preclinical model of short bowel syndrome
Daniel Alligood, MD

12:22 PM
Decoding the Mechanism of Stem Cell Therapy in Necrotizing Enterocolitis: The eNOS-Mediated Pathway and Cysteine 440 Residue
Sharon Joseph, MD, MMS

12:30 PM
Overtaking the Oxidative Stress Pathway: The Therapeutic Benefit of Intraperitoneal APX3300 in Experimental Necrotizing Enterocolitis
Sharon Joseph, MD, MS

12:38 PM
In utero treprostinil administration reverses pulmonary arteriolar hypermuscularization in the ovine model of congenital diaphragmatic hernia
Shelley Jain, MD

12:46 PM
QSOX1 Expression is Decreased in Necrotizing Enterocolitis: A Potential Mechanism for Disrupted Barrier Function in Premature Infants with Necrotizing Enterocolitis
Jessica Rauh, MD, MS

12:54 PM
PreMo: A novel multiparameter probe for monitoring the premature infant during complex surgery
Steven Papastefan, MD

1:02 PM
Characterizing Sensitivity to Vincristine, Irinotecan, and Telomerase-targeted Therapy in Diffuse Anaplastic Wilms Tumor Patient-derived Xenografts
Daniel Gehle, MD

11:45 AM
Scientific Session IV – Clinical Science Abstracts Concurrent Session
Orlando Ballroom N
Moderators: Katherine Gonzales, MD, FAAP and Emily Christison-Legay, MD, FAAP

11:50 AM
Fetal Ultrasound and MRI Discordance in Predicting Outcomes Associated with Congenital Diaphragmatic Hernia
Payton Moody

11:58 AM
Magnetic Esophageal Anastomosis: A study by the Canadian Consortium for Research in Pediatric Surgery
Amanda Hall, MD, PhD, FRCSC

12:06 PM
Transfusion in Transit: Investigating Prehospital Blood Utilization in Pediatric Trauma
Eunise Chen

12:14 PM
Navigating Limited Resources- Outpatient Pediatric Cholecystectomies at Rural Hospitals
Erin Howell, MD

12:22 PM
Association of serum inflammatory markers and clinical outcomes among children with renal tumors
Shannon Acker, MD

12:30 PM
Machine-learning-assisted preoperative prediction of pediatric appendicitis severity
Aylin Erman

12:38 PM
Utility of Abdominal MRI in Pediatric Patients with Suspected Appendicitis Who Undergo Non-Diagnostic Ultrasound in a Low Resource Setting
Joseph Giacolone, MD
12:46 PM  To Biopsy or Not? Development of a Risk Calculator to Stratify Children Presenting with Constipation for Hirschsprung Disease Assessment  
Brian Gulack, MD, MHS

12:54 PM  Cholangiocarcinoma Sequence Inferred from Increasing Age at Choledochal Cyst Excision  
Derek Riffert, BS

1:02 PM  Age and Weight Stratified Outcomes of Single Stage Endorectal Pullthrough Procedures for Hirschsprung Disease in Children: A NSQIP-P Study  
Humza Thobani

1:10 PM  Scientific Session V “Quick Shot” Oral Abstracts and Lunch  
Orlando Ballroom N

Lunch supported by Nationwide Children’s Hospital  

Moderators:

1:15 PM  Transamniotic Delivery of Hematopoietic Stem Cells Genetically Modified to Carry a Human Hemoglobin Subunit Beta Gene (HBB) in a Healthy Rodent Model  
Kamila Moskowitzova, MD

1:20 PM  Treatment of pediatric intestinal ischemia reperfusion injury with engineered extracellular vesicles  
Emily Byrd, MD, PhD

1:25 PM  Single nuclear RNA sequencing reveals a unique transcriptional profile of hepatocytes associated with small bowel resection induced liver injury  
Alex Park, MD

1:30 PM  A Prospective Randomized Control Trial For Antibiotic Irrigation Versus Suction Alone For Intraoperative Management Of Intraabdominal Contamination In Pediatric Perforated Appendicitis  
Caitlin Crosier, MD

1:35 PM  The Relationship Between CDC Social Vulnerability Index and Treatment Course Characteristics in Infants with Surgically Intervenable Congenital Anomalies  
Ryan Bigej

1:40 PM  Association of antimicrobial prophylaxis with surgical site infection risk in children undergoing laparoscopic orchiopexy  
Kerri McKie, MD, MPH

1:45 PM  Predictors of Adverse Events Following Nephrectomy for Renal Tumors in Children: Analysis from the NSQIP-P Database  
Humza Thobani

1:50 PM  The Impact of Time to Intestinal Resection on Neurodevelopmental Outcomes in Necrotizing Enterocolitis: Findings From a Multicenter Retrospective Study  
Utsav Patwardhan, MD

1:55 PM  Predictors of In-Hospital Mortality for Patients with Congenital Surgical Disease at a Tertiary Hospital in Malawi  
Madhushree Zope, MD

2:00 PM  Apnea and Bradycardia Events after Inguinal Hernia Repair in Infants  
Brielle Ochoa, MD

Walk back to Windermere Ballroom X
2:10 PM  **Stephen Gans Distinguished Overseas Lecturer**: Climate Change and impact on child health globally: what can be done?  
*Professor Zulfiqar A. Bhutta FRS*

2:50 PM  **Section on Surgery Chair Lecture on Gratitude**  
*Saleem Islam, MD, FAAP*

3:20 PM  **Coffee Break**

**Symposium 3: How Pediatric Readiness can Impact Pediatric Trauma from Every Day to Mass Events**  
**Joint Session with the Council on Children and Disasters**  
*Moderators: Antonio Escobar, MD, FAAP and Deanna Dahl-Grove, MD, FAAP*

3:35 PM  **Pediatric Readiness in the Disaster Domain**  
*Sarita Chung, MD, FAAP*

3:55 PM  **Medical Operations Coordinating Centers (PEM)**  
*Ron Ruffing, MD, FAAP*

4:15 PM  **Trauma Education in Rural Areas**  
*Mary Fallat, MD, FAAP*

4:35 PM  **Preparing for Pediatric Trauma Surge Events**  
*Michael Dingeldein, MD, FAAP*

4:55 PM  **Q&A**

5:15 PM  **Surgical Reception**  
**Partial Support by the Bay Care Medical Group**

*This portion of the agenda is not designated for CME credit.*

**H3011: Section on Surgery Program: Day 3**  
**Sunday, September 29**

8:00 AM  **Sigmund Ein Memorial Clinical Problem-Solving Breakfast**  
*Orlando Ballroom N*  
*Michael Caty, MD, FAAP; Peter Masiakos, MD, FAAP*

10:10 AM  **Scientific Session VI - Clinical Science Abstract Presentations**  
*Windermere Ballroom X*  
*Moderators: Nicole Chandler, MD, FAAP and Jennifer Aldrink, MD, FAAP*

10:10 AM  **Coffee supported by the Bay Care Medical Group**  
*A Comparison between Maternal Intravenous and Transamniotic Fetal Administration of Immunoglobulins Amenable to Placental Transfer in a Healthy Model*  
*Emily Scire, MD, MB*
Adjuvant Steroids Following Kasai Portoenterostomy for Biliary Atresia: A Single Center Eighteen-Year Experience
Norah Liang, MD

Evaluation of Mesh Placement in Adolescents Undergoing Inguinal Hernia Repair: A Multicenter Retrospective Cohort Study
Brielle Ochoa, MD

National Assessment of Procedure-Specific Opioid Use in Children’s Surgery
Anoosha Moturu, MD

Minimally Invasive Repair of Pectus Excavatum Without Stabilizers Does Not Result in Increased Bar Displacement or Other Post-operative Complications
Meredith Elman, MD, MBA

Impact of Social Determinants on Pediatric Cancer Treatment Receipt: Striving for More Equitable Access to Care
Charbel Chidiac, MD

Optimizing Surveillance Strategies for Sacrococcygeal Teratoma: A Midwest Pediatric Surgery Consortium Multi-Institutional Study
Shachi Srivatsa, MD

Predictors of Non-diagnostic ultrasound leading to Overutilization of Cross-sectional imaging for the Diagnosis of Acute Appendicitis
Chioma Moneme, MD, MBA

Revisiting Prognostic Scoring of Esophageal Atresia in the Current Era
Jana DeJesus, MD

Preoperative Indicators of Nutritional Status and Outcomes Among Pediatric Cancer Patients Undergoing Surgery
Elizabeth Cochran, MD

Adjourn

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