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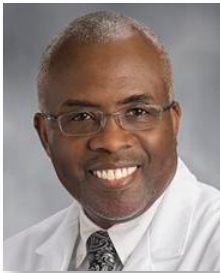
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TUESDAY, MAY 6

General Sessions

6:30 a.m. – 6:30 p.m.	Lactation Room
8:00 a.m. – 2:00 p.m.	APSA Board Meeting
10:00 a.m. – 4:00 p.m.	Exhibit Hall Set-Up
1:00 p.m. – 5:00 p.m.	Program Directors Meeting
2:00 p.m. – 6:00 p.m.	Grant Writing Symposium - Presented by the APSA Foundation and Research Committee
2:00 p.m. – 6:00 p.m.	Registration Desk Hours
2:00 p.m. – 6:00 p.m.	Speaker Ready Room Hours
6:00 p.m. – 7:00 p.m.	Grant Writing Symposium Reception
6:00 p.m. – 7:00 p.m.	Program Committee Meeting
7:00 p.m. – 10:00 p.m.	Publications Committee Meeting and Dinner

WEDNESDAY, MAY 7

General Sessions

6:00 a.m. – 7:15 a.m.	Foundation Board Meeting
6:00 a.m. – 7:30 a.m.	Continental Breakfast for Attendees
6:00 a.m. – 6:00 p.m.	Registration Desk Hours
6:00 a.m. – 6:00 p.m.	Speaker Ready Room Hours
6:15 a.m. – 7:15 a.m.	Cancer Committee Meeting
6:15 a.m. – 7:15 a.m.	New Technology Committee Meeting
6:30 a.m. – 4:00 p.m.	Exhibit Hall Open
6:30 a.m. – 6:30 p.m.	Lactation Room
7:00 a.m. – 10:00 a.m.	Companion Hospitality Suite

President's Welcome

7:30am – 8:00am	Thomas F. Tracy, MD MBA Tribute to Dr. Harvey Beardmore Sherif Emil, MD, CM, FACS, FRCSC, FAAP Department of Pediatric Surgery; McGill University Faculty of Medicine and Health Sciences, Montreal, PQ, Canada
8:00 a.m. – 8:30 a.m.	Introduction of New Members; Transition of Leadership

Plenary 1 - Basic Science/Translational

8:30am – 10:00am	Moderators Jamie Robinson, MD, MS, PhD, Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA Jason O. Robertson, MD, MS, Cleveland Clinic Children's, Cleveland, OH, USA Chat Monitor Erin West, DO, Department of Surgery, Naval Medical Center, San Diego, CA, USA
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1

ANTENATAL ADMINISTRATION OF AMNIOTIC FLUID STEM CELL EXTRACELLULAR VESICLES RESCUES FETAL LUNG VASCULAR DEVELOPMENT BY MODULATING YAP EXPRESSION VIA DELIVERY OF LNCRNA TUG1

Rebeca Figueira, RN, PhD, Jessie Lu, Fabian Doktor, MD, Giuseppe Speziale, Kasra Khalaj, PhD, MSc, Lina Antounians, MSc, Augusto Zani, MD, PhD, FACS, FAAP

The Hospital for Sick Children, Toronto, ON, Canada

2 RETAINED TRANSITION ZONE OR RECTAL REMODELING? REDO PULL-THROUGH IMPROVES OUTCOMES IN HIRSCHSPRUNG DISEASE REGARDLESS OF ETIOLOGY

Shruthi Srinivas, MD, MPH¹, Elizabeth Thomas, MS¹, Megan A. Read, MD¹, Raj Kapur, MD, PhD², Vinay Prasad, MD¹, Caitlin A. Smith, MD³, Richard J. Wood, MD⁴

¹Nationwide Children's Hospital, Columbus, OH, USA, ²Seattle Children's Hospital, Seattle, WA, USA, ³Seattle Children's Hospital, Seattle, WA, USA, ⁴Nationwide Children's Hospital, Columbus, OH, USA

3 FETAL LUNG MACROPHAGES CONTRIBUTE TO THE SEVERITY OF PULMONARY HYPOPLASIA SECONDARY TO CONGENITAL DIAPHRAGMATIC HERNIA

Fabian Doktor, MD, Emily Lo, MD FRCPC FAAP, Victoria Fortuna, HBSc, Kaya Stasiewicz, Rebeca Figueira, RN, PhD, Lina Antounians, MSc, Augusto Zani, MD, PhD, FACS, FAAP

The Hospital for Sick Children, Toronto, ON, Canada

4 MESENCHYMAL STEM CELL THERAPY MODULATES INTESTINAL INJURY SEEN IN NECROTIZING ENTEROCOLITIS: A PREMATURE PIGLET STUDY

Discussant: Gail E. Besner, MD, Nationwide Children's Hospital, Columbus, OH, USA

Jasmine D. Lee, MD¹, Sharon Joseph, MD, MS², Krishna Manohar, MD, MS², Fikir Mesfin, MD, MS², Chelsea Hunter, MD², John Brokaw, BS², Christian Henriquez², Chris Shelley, BA², Jean Liu, PhD², Christa Crain, BS, RVT, RLAT³, Robyn McCain, BS, LATg³, Timothy B. Lescun, BVSc (Hons), MS, PhD⁴, Troy A. Markel, MD⁵, Gail E. Besner, MD⁶

¹Indiana University, Indianapolis, IN, USA, ²Indiana University School of Medicine, Indianapolis, IN, USA, ³Purdue University, Lafayette, IN, USA, ⁴Purdue University, West Lafayette, IN, USA, ⁵Division of Pediatric Surgery, Department of Surgery, Indiana University School of Medicine, Indianapolis, IN, USA, ⁶Nationwide Children's Hospital, Columbus, OH, USA

5 FLUORESCENCE GUIDED SURGERY WITH DINUTUXIMAB-DTPA-IR800 IN A RAT MODEL OF NEUROBLASTOMA

Lauren T. Rosenblum, MD, PhD¹, Bhuvitha Chagantipati², ReidAnn Sever, BA², W. Barry Edwards, PhD³, Gary Kohanbash, PhD², Marcus M. Malek, MD⁴

¹University of Pittsburgh Medical Center, Pittsburgh, PA, USA, ²University of Pittsburgh, Pittsburgh, PA, USA, ³University of Missouri, Columbia, MO, USA, ⁴Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

6 ANTICOAGULATION OF THE ECMO CIRCUIT WITH BIVALIRUDIN IN INFANTS WITH SEVERE CONGENITAL DIAPHRAGMATIC HERNIA: THE PATH TO BETTER OUTCOMES?

Anne M. Sescleifer, MD¹, Charbel Chidiac, MD², Zane J. Hellmann, MD³, Alejandro V. Garcia, MD¹, Daniel S. Rhee, MD⁴, Mark B. Slidell, MD², Daniel G. Solomon, MD⁵, Shaun M. Kunisaki, MD, MSc⁶

¹Johns Hopkins University, Baltimore, MD, USA, ²Johns Hopkins University School of Medicine, Baltimore, MD, USA, ³Yale New Haven Children's Hospital, New Haven, CT, USA, ⁴Division of Pediatric Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, Baltimore, MD, USA, ⁵Yale University School of Medicine, New Haven, CT, USA, ⁶Johns Hopkins, Baltimore, MD, USA

7 CAN INTESTINAL FATTY ACID BINDING PROTEIN (I-FABP) DISTINGUISH BETWEEN NECROTIZING ENTEROCOLITIS (NEC) AND OTHER ABDOMINAL CONDITIONS IN PRE-TERM INFANTS?

Discussant: Agostino Pierro, OBE MD, The Hospital for Sick Children, Toronto, Ontario, Canada

Jessica Wright, MD¹, Sophia G. Hameedi, MD², Rahul Gadde, MD³, Carly G-X Schafer, BS⁴, Jason Xia, MD⁵, Lourenco Neto, MD, PhD⁶, Oluyinka O. Olutoye, MD, PhD⁶, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP⁷

¹Center for Regenerative Medicine/ Department of Pediatric Surgery/Nationwide Children's Hospital, Columbus, OH, USA, ²Westchester Medical Center in Valhalla, Columbus, OH, USA, ³Center for Regenerative Medicine/Department of Pediatric Surgery/Nationwide Children's Hospital, Westerville, OH, USA, ⁴Center for Regenerative Medicine/ Department of Pediatric Surgery/Nationwide Children's Hospital, Columbus, OH, USA, ⁵Center for Regenerative Medicine/Department of Pediatric Surgery/Nationwide Children's Hospital, New York, NY, USA, ⁶Center for Regenerative Medicine/ Department of Pediatric Surgery/Nationwide Children's Hospital, Columbus, OH, USA, ⁷The Hospital for Sick Children, Toronto, ON, Canada

8 SECOND TRIMESTER MATERNAL SERUM MICRORNAS AS BIOMARKERS FOR CONGENITAL DIAPHRAGMATIC HERNIA SEVERITY

Discussant: Tippi MacKenzie, MD, University of California San Francisco, San Francisco, CA, USA

Caitlin Eason, MD, MPH¹, JAMES R. Bardill, PhD, MS², Courtney Breckenfelder, BS³, Holly N. Wood⁴, Clyde Wright⁵, Jason Gien, MD⁶, S. Christopher Derderian, MD¹, Tippi MacKenzie, MD⁷

¹Children's Hospital of Colorado, Denver, CO, USA, ²University of Colorado-Anschutz Med, Aurora, CO, USA, ³University of Colorado Denver Anschutz, Arvada, CO, USA, ⁴University of Colorado AMC, Thornton, CO, USA, ⁵University of Colorado, Aurora, CO, USA, ⁶University of Colorado, Greenwood Village, CO, USA, ⁷UCSF, San Francisco, CA, USA

9 CIRCULATING MATERNAL PLASMA MICRO-RNAS AS BIOMARKERS FOR DIAGNOSIS AND RISK-STRATIFICATION IN PRENATALLY DIAGNOSED CONGENITAL DIAPHRAGMATIC HERNIA

Discussant: Tippi MacKenzie, MD, University of California San Francisco, San Francisco, CA, USA

Daniel Liesman, MD¹, Steven T. Papastefan, MD², Cassandra Huerta³, Catherine Redden³, Lucas Turner³, Amanda Dicks³, HeeKap K. Kang, PhD³, Katherine Ott, MD³, Morgan Langereis³, Manmeet Singh³, Joy Ito, RN, CCRP³, Aimen Shaaban³, Amir Alhajjat, MD², Tippi MacKenzie, MD⁴

¹Northwestern University, Chicago, IL, USA, ²Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ³Ann and Robert H. Lurie Children's Hospital, Chicago, IL, USA, ⁴UCSF, San Francisco, CA, USA

10 DEVELOPMENT OF A NOVEL TUBULAR SCAFFOLD FOR TISSUE-ENGINEERED SMALL INTESTINE

Mitchell R. Ladd, MD, PhD¹, Mani Ratnam Kothamasu², Keerti Kaushik Katragadda³, Mubashra Zehra², Nicholas Mishu², Anthony Atala, MD², Marshall Schwartz, MD²

¹Wake Forest University School of Medicine, Winston Salem, NC, USA, ²Wake Forest Institute for Regenerative Medicine, Winston Salem, NC, USA, ³Wake Forest Institute for Regenerative Medicine, Winston Slame, NC, USA

10:00 a.m. – 10:20 a.m. Refreshment Break

Community Matters: How Friends and Family Can Support Surgeon Transitions Presented by the Wellness Committee

10:20am – 10:50am Rebecca M. Rentea, MD MS MBA, Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA

Introducer

Robert T. Russell, MD, MPH, Children's of Alabama, Birmingham, AL, USA

Chat Monitor

Shruthi Srinivas, MD, MPH, Nationwide Children's Hospital, Columbus, OH, USA

TEC (Top Educational Content) Talk: Botox in Anorectal Issues

10:50am – 11:05am **Moderators**
Reto M. Baertschiger, MD, PhD, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

Chat Monitor

Shruthi Srinivas, MD, MPH, Nationwide Children's Hospital, Columbus, OH, USA

COG Updates: AREN2231, ANBL2131, Renal Tumor Synoptic Operative Report

11:05am – 11:35am **Learning Objectives**

- Update the APSA membership on the newly opened Children's Oncology Group Renal Tumor Clinical Trial AREN2231, including the introduction and use of synoptic operative report
- Update the APSA membership on the newly opened Children's Oncology Group Neuroblastoma Clinical Trial ANBL2131

Chat Monitor

Shruthi Srinivas, MD, MPH, Nationwide Children's Hospital, Columbus, OH, USA

Speakers

Jennifer H. Aldrink, MD, Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, US

Robert E. Gross Lecture: Fetal Therapies for Genetic Conditions - A New Frontier

11:35am – 12:35 pm Tippi MacKenzie, MD, UCSF, San Francisco, CA, USA
Introducer: Thomas F. Tracy, MD MBA, Portsmouth, RI, USA

12:35 a.m. – 2:00 p.m. Fellows Lunch. Lunch will be provided.

12:35 a.m. – 2:00 p.m. Speed Mentoring - a Workshop for Medical Students and Residents.

Scientific Session 1 - Basic Science 1

2:00pm – 3:30pm **Moderators**
Emily Partridge, MD, PhD, Children's Hospital of Philadelphia, Philadelphia, PA, USA
Reto M. Baertschiger, MD, PhD, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

S1
REGIONALLY ISOLATED HUMAN AIRWAY-DERIVED DECELLULARIZED LUNG BIOINKS INFLUENCE THE MORPHOLOGY AND TRANSCRIPTIONAL PROFILE OF EMBEDDED HUMAN AIRWAY ORGANOID
Heather Wanczyk, MS¹, Joanne Walker, MS¹, Daniel J. Weiss, PhD, MD², Christine Finck, MD³
¹University of Connecticut Health Center, Farmington, CT, USA, ²University of Vermont, Burlington, VT, USA, ³Connecticut Children's Medical Center, Farmington, CT, USA

S2
THE ROLE OF EPITHELIAL-TO-MESENCHYMAL TRANSITION (EMT) IN ESOPHAGEAL TISSUE REGENERATION
Joanne Walker, MS¹, Heather Wanczyk, MS¹, Christine Finck, MD²
¹University of Connecticut Health Center, Farmington, CT, USA, ²Connecticut Children's Medical Center, Farmington, CT, USA

S3
NON-INVASIVE TRANSCUTANEOUS AURICULAR VAGUS NERVE STIMULATION ATTENUATES INTESTINAL INFLAMMATION IN A MOUSE MODEL OF NECROTIZING ENTEROCOLITIS
Mahmoud El Baassiri, MD¹, Daniel Scheese, MD², Cody Tragesser, MD¹, Johannes Duess, MD, PhD¹, Lena M. Bode, MD¹, Sierra Williams-McLeod, BS¹, Jeremy Young¹, Maame Sampah, MD, PhD¹, Yiwei Ai¹, Koichi Tsuboi, MD, PhD¹, Hee-seong Jang, PhD¹, Thomas Prindle¹, Sanxia Wang¹, Menghan Wang¹, William B. Fulton, MS¹, Chhinder P. Sodhi, PhD¹, Gene Fridman³, Isam W. Nasr, MD⁴, David J. Hackam, MD, PhD¹
¹Johns Hopkins Children's Center, Baltimore, MD, USA, ²Children's Hospital of Richmond, Virginia Commonwealth University, Richmond, VA, USA, ³Department of Otolaryngology Head and Neck Surgery, Johns Hopkins University, Baltimore, MD, USA, ⁴Division of Pediatric Surgery, Johns Hopkins School of Medicine, Baltimore, MD, USA

S4
BILIARY ATRESIA IS ASSOCIATED WITH CASS4-EXPRESSING CD8+ T-CELL EXPANSION
Norah E. Liang, MD¹, Michelle Griffin, MD, PhD¹, Jennifer B. Parker², John Lu², Khristian Bauer-Rowe Ramos³, Benjamin Pham⁴, Caleb Valencia¹, Gillian L. Fell, MD, PhD⁵, Michael Januszyk, MD PhD², Stephanie D. Chao, MD⁶, James C.Y. Dunn, MD PhD⁷, Michael Longaker, MD, MBA¹, Jeong S. Hyun, MD¹
¹Stanford University School of Medicine, Stanford, CA, USA, ²Stanford University, Stanford, CA, USA, ³Stanford, Stanford, CA, USA, ⁴Stanford University, Menlo Park, CA, USA, ⁵Stanford University School of Medicine, Lucile Packard Children's Hospital, Palo Alto, CA, USA, ⁶Stanford University School of Medicine, Palo Alto, CA, USA, ⁷Stanford University, Palo Alto, CA, USA

S5
INTEGRATIVE META-ANALYSIS OF SINGLE-CELL RNA-SEQUENCING DATA FROM INFANT LIVERS REVEALS HETEROGENEOUS STROMAL CELL POPULATIONS IN BILIARY ATRESIA
Norah E. Liang, MD¹, John Lu², Jennifer B. Parker², Khristian Bauer-Rowe Ramos³, Gillian L. Fell, MD, PhD⁴, Stephanie D. Chao, MD⁵, James C.Y. Dunn, MD PhD⁶, Michael Longaker, MD, MBA¹, Jeong S. Hyun, MD¹
¹Stanford University School of Medicine, Stanford, CA, USA, ²Stanford University, Stanford, CA, USA, ³Stanford, Stanford, CA, USA, ⁴Stanford University School of Medicine, Lucile Packard Children's Hospital, Palo Alto, CA, USA, ⁵Stanford University School of Medicine, Palo Alto, CA, USA, ⁶Stanford University, Palo Alto, CA, USA

S6
EFFECT OF ANTI-INFLAMMATORY PEPTIDE ON LUNG BRANCHING IN THE NITROFEN RAT LUNG EXPLANT MODEL

Yuichiro Miyake, MD, PhD¹, Wai Hei Tse², Marietta Jank, MD³, Daywin Patel¹, Arzu Ozturk¹, Hemshekhar Mahadevappa⁴, Atsuyuki Yamataka, MD PhD⁵, Neeloffer Mookherjee⁴, Richard Keijzer¹

¹*Division of Pediatric Surgery, Department of Surgery, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba and Children's Hospital Research Institute of Manitoba, Winnipeg, MB, Canada,* ²*Department of Surgery, Division of Pediatric Surgery, Rady Faculty of Health Sciences, Max Rady College of Medicine, University of Manitoba and Children's Hospital Research Institute of Manitoba, Winnipeg, MB, Canada,* ³*University Medical Center Mannheim, Heidelberg University / Division of Pediatric Surgery, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba, and Children's Hospital Research Institute of Manitoba, 68165 Mannheim, Baden-Wuerttemberg, Germany,* ⁴*Manitoba Centre for Proteomics and Systems Biology, Departments of Internal Medicine and Immunology, University of Manitoba, Winnipeg, Canada, Winnipeg, MB, Canada,* ⁵*Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan, Bunkyo-ku, Tokyo, Japan*

S7
HEPATOPROTECTIVE EFFECTS OF IMEGLIMIN THROUGH MITOCHONDRIAL ACTIVATION AND ENHANCED ANTIOXIDANT CAPACITY IN A MURINE BILE DUCT LIGATION MODEL

Hiroki Goto, n/a¹, **Kazuto Suda, MD, PhD¹**, Takashi Fujimoto¹, Rao Xuxuan¹, Yosuke Tsunoda¹, Asuka Ishiyama¹, Hiroyuki Koga, MD, PhD¹, Atsuyuki Yamataka, MD PhD², Go Miyano

¹*Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan, Bunkyo, Tokyo, Japan,* ²*Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan, Bunkyo-ku, Tokyo, Japan*

S8
FROM CARTILAGE TO CURE – CHONDROITIN SULFATE'S IMPACT ON GUT HEALTH IN A PORCINE MODEL OF NECROTIZING ENTEROCOLITIS

Sharon Joseph, MD, MS¹, Jasmine D. Lee, MD², Krishna Manohar, MD, MS¹, Fikir Mesfin, MD, MS¹, Chelsea Hunter, MD¹, John Brokaw, BS¹, Christian Henriquez¹, Chris Shelley, BA¹, Jean Liu, PhD¹, Robyn McCain, BS, LATg³, Timothy B. Lescun, BVSc (Hons), MS, PhD⁴, Troy A. Markel, MD⁵

¹*Indiana University School of Medicine, Indianapolis, IN, USA,* ²*Indiana University, Indianapolis, IN, USA,* ³*Purdue University, Lafayette, IN, USA,* ⁴*Purdue University, West Lafayette, IN, USA,* ⁵*Division of Pediatric Surgery, Department of Surgery, Indiana University School of Medicine, Indianapolis, IN, USA*

S9
ROCK INHIBITION ATTENUATES THE INFLAMMATORY RESPONSE IN NECROTIZING ENTEROCOLITIS

Cody Dalton, MD¹, Brooke B. Snyder, MD¹, Grant H. Gershner, MD², Heather Grubbs, MD¹, Aslan Massahi², Camille Schlegel³, Catherine J. Hunter, MD⁴

¹*University of Oklahoma, Oklahoma City, OK, USA,* ²*Oklahoma Children's Hospital - Pediatric Surgery, Oklahoma City, OK, USA,* ³*University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA,* ⁴*Oklahoma Children's Hospital, Oklahoma City, OK, USA*

S10
NECROTIZING ENTEROCOLITIS IS ASSOCIATED WITH ELEVATED IRON LEVELS, TOXIC LIPID RADICALS, AND PLASMALOGENS

Grant H. Gershner, MD¹, Cody Dalton, MD², Heather Grubbs, MD², Aslan Massahi¹, Martin-Paul Agbaga³, Catherine J. Hunter, MD⁴

¹*Oklahoma Children's Hospital - Pediatric Surgery, Oklahoma City, OK, USA,* ²*University of Oklahoma, Oklahoma City, OK, USA,* ³*The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA,* ⁴*Oklahoma Children's Hospital, Oklahoma City*

Scientific Session 2 - Education/Innovation

2:00pm – 3:30pm

Moderators

Melissa E. Danko, MD, Children's Healthcare of Atlanta/Emory University, Atlanta, GA, USA
Sherif Emil, MD, CM, FACS, FRCS, FAAP, Department of Pediatric Surgery; McGill University
Faculty of Medicine and Health Sciences, Montreal, PQ, Canada

S70

A NOVEL APPROACH FOR DETECTION AND REDUCTION OF UNPLANNED EXTUBATION IN THE PEDIATRIC ICU

Dominic C. Lincoln¹, Donald L. Sorrells, MD²

¹LSU Health- Shreveport, Shreveport, LA, USA, ²LSU Health - Shreveport, Shreveport, LA, USA

S71

ASSESSMENT OF USER EXPERIENCE IN VIRTUAL REALITY-BASED PEDIATRIC TRAUMA TRAINING MODULE FOR HEALTHCARE PROVIDERS

Shreenik Kundu, MBBS, MSc¹, Fabio Botelho, MD MSc², Ayla Gerk Rangel, PhD Student¹, Tom Dolby³, TJ Matthews, n/a³, Elena Guadagno, MLIS⁴, Dan Poenaru, MD PhD⁵

¹McGill University, Montreal, PQ, Canada, ²Department of Pediatric Surgery, The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ³I3 Simulations, Luton, England, United Kingdom, ⁴Harvey E. Beardmore Division of Pediatric Surgery; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ⁵McGill University Health Centre, Montreal, PQ, Canada

S72

ACCEPTABILITY AND FEASIBILITY OF URGENT TELEMEDICINE PEDIATRIC SURGICAL CONSULTATIONS TO REFERRING EMERGENCY DEPARTMENTS: A PILOT STUDY

Derek Krinock, MD¹, Savannah Walker, MD², Shelly Keller, MSN, RN², Deidre Wyrick, MD³, Amber Cargile, RN², Kirsten Johnston, MSN, RN², Sara Sanders, MD³, Robert T. Maxson, MD³, Melvin S. Dassinger, MD³, Susan D. Emmett, MD, MPH¹, Lindsey L. Wolf, MD, MPH⁴

¹University of Arkansas for Medical Sciences, Little Rock, AR, USA, ²Arkansas Children's Hospital, Little Rock, AR, USA, ³Arkansas Children's Hospital/University of Arkansas for Medical Sciences, Little Rock, AR, USA, ⁴University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock, AR, USA

S73

EVALUATION OF SMALL GROUP INSTRUCTION WORKSHOPS ON LEARNER INTERACTIVITY, SATISFACTION, AND PERCEIVED VALUE AT AN ACADEMIC PEDIATRIC SURGICAL CONFERENCE

Michael A. Kochis, MD, EdM¹, Samantha Ahle, MD, MHS², Rebecca Moreci, MD, MS³, Alicia Greene, DO⁴, Samantha Knight, MD⁵, Rachel E. Hanke, MD⁶, Minna M. Wieck, MD⁷, Marion C. W Henry, MD, MPH⁸, Eunice Y. Huang, MD, MS⁹, Andreas H. Meier, MD, MEd, Dr med¹⁰, Pramod S. Puligandla, MD, MSc⁵, David Powell, MD¹¹, Benjamin Zendejas, MD, MSc¹²

¹Mass General for Children, Massachusetts General Hospital, Boston, MA, USA, ²Warren Alpert Medical School of Brown University, Providence, RI, USA, ³Louisiana State University School of Medicine, New Orleans, LA, USA, ⁴Pennsylvania State University, University Park, PA, USA, ⁵Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada, ⁶NYU Grossman School of Medicine, Hassenfeld Children's Hospital at NYU Langone, New York, NY, USA, ⁷UC Davis Children's Hospital, Sacramento, CA, USA, ⁸University of Chicago, Chicago, IL, USA, ⁹Vanderbilt University Medical Center, Nashville, TN, USA, ¹⁰State University Of New York Upstate Medical University, Syracuse, NY, USA, ¹¹Stanford School of Medicine, Palo Alto, CA, USA, ¹²Boston Children's Hospital, Boston, MA, USA

S74

COMPOSING THE CLINICAL SUMMARY: SURGEON VERSUS GENERATIVE ARTIFICIAL INTELLIGENCE

Andrew P. Bain, MD¹, Derek Ngai¹, Lindsey Patton², Pauline Chen², Christoph Lehmann¹, Barbara Gaines¹, Samir Pandya, MD¹, Philip Bernard¹

¹UT Southwestern Medical Center, Dallas, TX, USA, ²Children's Medical Center, Dallas, TX, USA

S75

DESIGN AND VALIDATION OF A LOW-COST MODULAR SIMULATOR FOR TRAINING IN NEONATAL LAPAROTOMY AND ATRESIA REPAIR

Ryan Yeung, BAsc¹, Abdullah Mashat, MBBS, MSc², Daniel S. Kwon, MEng³, Ajay K. Banga, MEng⁴, Roger Tam, Rachel Livergant, Shahrzad Joharifard, MD, MPH, FRCS⁵

¹University of British Columbia, Coquitlam, BC, Canada, ²University of British Columbia, Vancouver, BC, Canada, ³University of British Columbia, Port Moody, BC, Canada, ⁴University of British Columbia, Vancouver, BC, Surrey, BC, Canada, ⁵University of British Columbia, British Columbia Children's Hospital, Vancouver, BC, Canada

S76

SUPPLY AND DEMAND: PEDIATRIC SURGICAL SPECIALTIES FELLOWSHIP MATCH TRENDS

Nina D. Kosciuszek, DO, Michael H. Froehlich, MD, Kenneth W. Gow, MD

Stony Brook University Hospital, Stony Brook, NY, USA

S77

A RANDOMIZED FEASIBILITY STUDY OF VIRTUAL AND FACE-TO-FACE CARE USING A NOVEL MOBILE HEALTH SOLUTION FOR OUTPATIENT PEDIATRIC BURNS

Allison Frederick, MD¹, Yulia Gavrilova, PhD², Natalie Koren³, Rohit Mittal, MD, FABA⁴, Lucas A. McDuffie, MD⁵, Aaron P. Leshner, MD⁴

¹Medical University of South Carolina, Johns Island, SC, USA, ²Medical University of a South Carolina, Charleston, SC, USA, ³Medical University of South Carolina, North Charleston, SC, USA, ⁴MUSC, Charleston, SC, USA, ⁵Doernbecher Children's Hospital Oregon Health & Science University, Portland, OR, USA

S78

ASSESSING THE FEASIBILITY OF SHAPE-SENSING ROBOTIC BRONCHOSCOPY MAPPING TO LUNG NODULES IN PEDIATRIC PATIENTS

William J. Kacey, BS¹, Ashley C. Dodd, MD², Daniel Liesman, MD³, Seth D. Goldstein, MD MPhil², Steven T. Papastefan, MD⁴, Calvin C. Lung, MD, Timothy B. Lautz, MD²

¹Northwestern University Feinberg School of Medicine, Chicago, IL, USA, ²Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ³Northwestern University, Chicago, IL, USA, ⁴Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

S79

RESOLVING PILONIDAL DISEASE IN A SINGLE OFFICE VISIT WITHOUT EVEN A SHOT

Ashley Stoeckel, MD¹, Kathleen Renzi, PA-C¹, Madelyn McArthur, BS¹, Gheed Murtadi, MBBS, MPH², Rachael L. Cohen, BA³, David P. Mooney, MD, MPH⁴

¹Boston Children's Hospital, Boston, MA, USA, ²Boston Children's Hospital, Norwood, MA, USA, ³Boston Children's Hospital, Brockton, MA, USA, ⁴Boston Children's, Boston, MA, USA

Scientific Session 3 - Trauma

2:00pm – 3:30pm

Moderators

Mark B. Slidell, MD, Johns Hopkins University School of Medicine, Baltimore, MD, USA,
Sarah A. Jones Sapienza, MD, Lehigh Valley Reilly Children's Hospital, Allentown, PA, USA

Chat Monitor

Rachael Sundland, MD, Maimonides Medical Center, Brooklyn, NY, USA

S80

ANALYSIS OF PROPER RESTRAINT USAGE AMONGST PEDIATRIC PATIENTS - A NATIONAL REVIEW

Grant H. Gershner, MD¹, Cody Dalton, MD², Heather Grubbs, MD², Kenneth L. Stewart, PhD³, Catherine J. Hunter, MD⁴

¹Oklahoma Children's Hospital - Pediatric Surgery, Oklahoma City, OK, USA, ²University of Oklahoma, Oklahoma City, OK, USA, ³The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, ⁴Oklahoma Children's Hospital, Oklahoma City, OK, USA

S81

WHY DID THE CHILDREN CROSS THE ROAD? THE RELATIONSHIP BETWEEN ROADWAY DESIGN AND SEVERE PEDIATRIC TRAUMA IN PEDESTRIANS STRUCK BY MOTOR VEHICLES

Zane J. Hellmann, MD¹, Alexis Jones¹, Katherine Bergus², Amelia Mansfield, Master of City & Regional Planning³, Sara A. Mansfield, MD⁴, Daniel G. Solomon, MD⁵, Emily R. Christison-Lagay, MD¹

¹Yale New Haven Children's Hospital, New Haven, CT, USA, ²Nationwide Children's Hospital, Columbus, OH, USA, ³Burton Planning Services, Columbus, OH, USA, ⁴Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, ⁵Yale University School of Medicine, New Haven, CT, USA

S82**IMPACT OF HOSPITAL MORTALITY IN PEDIATRIC PATIENTS WITH SEVERE BLUNT ABDOMINAL TRAUMA**

Zoe E. Flyer, DO¹, Zhuo Chen, PhD¹, Jeffry Nahmias, MD, MHPE², Laura F. Goodman, MD, MPH¹, Yigit S. Guner, MD, MSc³, Peter T. Yu, MD, MPH¹, Annie Giron, MD⁴

¹Children's Hospital of Orange County, Orange, CA, USA, ²University of California Irvine Medical Center, Orange, CA, USA, ³Children Hospital of Orange County, Orange, CA, USA, ⁴Children's Hospital of Orange County, Irvine, CA, USA

S83**WHOLE BLOOD RESUSCITATION IN PEDIATRIC TRAUMA: A NATIONAL ANALYSIS OF USE AND ASSOCIATED OUTCOMES**

Lavanya Easwaran, MD, MPH¹, Caitlin Eason, MD, MPH², Emily Cooper, MS³, Steven Schauer, DO MS RDMS⁴, Jose L. Diaz-Miron, MD⁵, Shannon Acker, MD⁶

¹University of Colorado, Plain City, OH, USA, ²Children's Hospital of Colorado, Denver, CO, USA, ³Center for Children's Surgery / Research Outcomes in Children's Surgery / Children's Hospital Colorado, Aurora, CO, USA, ⁴Departments of Anesthesiology and Emergency Medicine, Aurora, CO, USA, ⁵University of Colorado / Children's Hospital Colorado, Aurora, CO, USA, ⁶Children's Hospital of Colorado, Aurora, CO, USA

S84**A PEDIATRIC-FOCUSED HOSPITAL-BASED VIOLENCE INTERVENTION PROGRAM IMPROVES EDUCATIONAL AND JUVENILE COURT OUTCOMES IN VIOLENTLY INJURED PEDIATRIC TRAUMA PATIENTS**

Kevin J. Lang, MD¹, Rachel Landisch, MD², Lydia Walker³, Anissa Cooper³, Regan F. Williams, MD, MS⁴, Cheyenne Plesofsky³

¹University of Tennessee Health Science Center, Memphis, TN, USA, ²Le Bonheur Children's Hospital, University of Tennessee Health Science Center, Memphis, TN, USA, ³Le Bonheur Children's Hospital, Memphis, TN, USA, ⁴University of Tennessee Medical Center, Memphis, Memphis, TN, USA

S85**THE ROLE OF DIAPHRAGM PACING IN PEDIATRIC SPINAL CORD INJURY: DECREASING INVASIVE MECHANICAL VENTILATION**

Megan Z. Chiu, MD¹, MaryJo Elmo, NP², Nicholas Carl, BS², Michael W. Dingeldein, MD³, Eiichi Miyasaka, MD³, Raymond Onders, MD²

¹University Hospitals/ Case Western Reserve University, Cleveland, OH, USA, ²Case Western Reserve University/ University Hospitals, Cleveland, OH, USA, ³Rainbow Babies and Children Hospital, Cleveland, OH, USA

S86**UNDER PRESSURE: IDENTIFYING FACTORS FOR PEDIATRIC PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY WHO BENEFIT FROM EXTERNAL VENTRICULAR DRAINAGE**

Erin West, DO¹, Utsav M. Patwardhan, MD², Richard Y. Calvo, PhD³, Andrea Krzyzaniak, MA⁴, Vijay Ravindra, MD, MSPH⁵, David Gonda, MD⁶, Romeo C. Ignacio, MD MS MPath⁷

¹Department of Surgery, Naval Medical Center, San Diego, CA, USA, ²Naval Medical Center San Diego, San Diego, CA, USA, ³Scripps Mercy Hospital, San Diego, CA, USA, ⁴Scripps Mercy Hospital San Diego, San Diego, CA, USA, ⁵University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, ⁶Rady Children's Hospital, San Diego, CA, USA, ⁷Rady Children's Hospital San Diego, San Diego, CA, USA

S89**COMPARATIVE OUTCOMES OF PROXIMAL STOMA VERSUS PRIMARY ANASTOMOSIS IN PEDIATRIC COLORECTAL TRAUMA**

Anna Maria Dumitru, MD, PhD³, Annie Giron, MD¹, Zoe E. Flyer, DO², Ana Maria Dumitru, MD, PhD³, Jeffry Nahmias, MD, MHPE⁴, Peter T. Yu, MD, MPH², John Schomberg, PhD, MPH²

¹Children's Hospital of Orange County, Irvine, CA, USA, ²Children's Hospital of Orange County, Orange, CA, USA, ³Children's Hospital of Philadelphia; University of California San Diego Health, Philadelphia, PA, USA, ⁴University of California Irvine Medical Center, Orange, CA, USA

S88**RURAL PEDIATRIC TRAUMA: ARE ALL TRANSFERS NECESSARY?**

Maria Koenen, MD, Adam Gorra, MD, Jon G. Ryckman, MD

Sanford Children's Hospital, Sioux Falls, SD, USA

S87

COMPARATIVE OUTCOMES BETWEEN MILITARY AND CIVILIAN CHILDREN AFTER NON-ACCIDENTAL TRAUMA: A MULTICENTER RETROSPECTIVE STUDY

Utsav M. Patwardhan, MD¹, Katie Joskowitz², Mauricio Escobar, MD³, Margaret E. Gallagher, MD⁴, Kylie Scallon, BAN, RN, CPN, CPEN, TCRN⁵, Katherine Davenport, MD⁶, Shannon Acker, MD⁷, Sage A. Vincent, MD⁸, Luke Pumiglia⁹, Jamie Golden, MD, PhD¹⁰, Jason Luo¹¹, Cameron Harvey, DO MS¹², Christina Colosimo, DO MS¹³, Marwan Sheckley, DO¹⁴, Patrick B. Thomas, MD, MMCI⁵, Russell K. Woo, MD¹⁵, Sharon Nienow, MD¹⁶, Romeo C. Ignacio, MD MS MPath¹⁶

¹Naval Medical Center San Diego, San Diego, CA, USA, ²Rad Children's Hospital, San Diego, San Diego, CA, USA, ³Multicare Mary Bridge Children's Hospital, Tacoma, WA, USA, ⁴Blanchfield Army Community Hospital/Vanderbilt Childrens, Nashville, TN, USA, ⁵Children's Nebraska, Omaha, NE, USA, ⁶Children's Hospital of the King's Daughters, Norfolk, VA, USA, ⁷Children's Hospital of Colorado, Aurora, CO, USA, ⁸Children's Hospital Colorado, Golden, CO, USA, ⁹Madigan Army Medical Center, Tacoma, WA, USA, ¹⁰Childrens Hospital of the Kings Daughters, Norfolk, VA, USA, ¹¹Vanderbilt University, San Francisco, CA, USA, ¹²Tripler Army Medical Center, Kapolei, HI, USA, ¹³University of Arizona, Tucson, AZ, USA, ¹⁴University of Arizona - Tucson, Tucson, AZ, USA, ¹⁵University of Hawaii, John A. Burns School of Medicine, Honolulu, HI, USA, ¹⁶Rady Children's Hospital San Diego, San Diego, CA, USA

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CRYOPRECIPITATE USE DURING HEMOSTATIC RESUSCITATION IN A PEDIATRIC TRAUMA COHORT: IS THERE A BENEFIT IN THE MODERN RESUSCITATION ERA?

Insiyah Campwala, MD¹, Ander Dorken-Gallastegi, MD², Philip C. Spinella, MD³, Joshua B. Brown, MD, MS³, Christine M. Leeper, MD, MS³

¹Department of General Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, USA, ²Trauma and Transfusion Medicine Research Center, Department of Surgery, University of Pittsburgh, Pittsburgh, PA, USA, ³Trauma and Transfusion Medicine Research Center, Department of Surgery and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA, USA

Scientific Session 4 - Colorectal

2:00pm – 3:30pm

Moderators

David Darcy, MD, Golisano Children's Hospital, University of Rochester Medical Center, Rochester, NY, USA
Cristine S. Velazco, MD, MS, FACS, Orlando Health Arnold Palmer Hospital for Children, Orlando, FL, USA

S92

OPERATIVE MANAGEMENT OF MECONIUM ILEUS WITH NEEDLE INJECTION OF N-ACETYL CYSTEINE: A MULTICENTER RETROSPECTIVE STUDY

Utsav M. Patwardhan, MD¹, Chakshu Soni, MPH², Sindhu V. Mannava, MD MS³, Insiyah Campwala, MD⁴, Alexandra Vacaru, BS⁵, James E. Cope, Bachelor of Medical Science (Hons)⁶, SV Soundappan⁷, Donald Moores, MD⁸, Andrei Radulescu, MD, PhD⁸, Barrett P. Cromeens, DO, PhD⁹, Paul Waltz, MD¹⁰, Gerald Gollin, MD¹¹

¹Naval Medical Center San Diego, San Diego, CA, USA, ²Rady Children's Hospital San Diego, Escondido, CA, USA, ³Indiana University School of Medicine, Indianapolis, IN, Kentwood, MI, USA, ⁴Department of General Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, USA, ⁵Loma Linda University School of Medicine, Loma Linda, CA, USA, ⁶University of New South Wales, Australia, Kensington, New South Wales, Australia, ⁷UNSW, Westmead, New South Wales, Australia, ⁸Loma Linda University Health, Loma Linda, CA, USA, ⁹Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN, Indianapolis, IN, USA, ¹⁰Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, ¹¹Division of Pediatric Surgery, University of California San Diego, Rady Children's Hospital, San Diego, CA, USA

S91

SURGICAL MANAGEMENT OF VERY EARLY ONSET INFLAMMATORY BOWEL DISEASE

Sarah Ullrich, MD, MHS¹, Monica Holder, BSN, RN III, CPN¹, Randi Wittenberg², Allison Caja¹, Aaron P. Garrison, MD¹, Beth A. Rymeski, DO³, Nelson Rosen, MD¹, Jason S. Frischer, MD¹

¹Cincinnati Children's Hospital, Cincinnati, OH, USA, ²Cincinnati Children's Hospital, Cincinnati, OH, USA, ³Cincinnati Children's Hospital, Cincinnati, OH, USA

S93

PEDIATRIC SURGICAL CARE OF ANORECTAL MALFORMATIONS: A GLOBAL SURVEY

Vatche J. Melkonian, DO¹, Luis De La Torre, MD², Jill Ketzer, BS², Alberto Pena, MD², Andrea Bischoff, MD²

¹Children's Mercy Hospital, Kansas City, MO, USA, ²International Center for Colorectal and Urogenital Care at Children's Hospital of Colorado, Aurora, CO, USA

S94**FAILURE TO LAUNCH: PEDIATRIC COLORECTAL SURGERY CENTER UTILIZATION BY PATIENTS OVER 18 YEARS OF AGE**

Vatche J. Melkonian, DO¹, Cory Nonnemacher, MD², Andres Gonzalez-Salazar, MD¹, Seth A. Saylor, MD MS³, Margaret Martin-McLain, RN¹, Irene Isabel P. Lim, MD MPH⁴, Rebecca M. Rentea, MD MS MBA⁴

¹Children's Mercy Hospital, Kansas City, MO, USA, ²Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA,

³Children's Mercy, Kansas City, MO, USA, ⁴Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA

S95**INTESTINAL FAILURE OUTCOMES IN CHILDREN WITH SMALL-INTESTINAL HIRSCHSPRUNG DISEASE: A MATCHED ANALYSIS**

Haley B. Etskovitz, DO, MBS¹, Priyanka V. Chugh, MD, MS², Emily K. Nes, MD, MPH³, Hajar Fennich¹, Mian Arsam Haroon¹, Leah Froehle, MPH¹, Belinda H. Dickie, MD, PhD¹, Biren P. Modi, MD MPH¹, Prathima Nandivada, MD¹

¹Boston Children's Hospital, Boston, MA, USA, ²Boston Children's Hospital, Boston, MA, USA, ³Baylor Scott and White Medical Center/ Baylor College of Medicine, Temple, TX, USA

S96**CONTRAST ENHANCED COLOSONOGRAPHY IS SAFE, SENSITIVE AND VERSATILE FOR EVALUATION OF ANORECTAL MALFORMATIONS**

Rosa S. Kim, MD¹, Haley B. Etskovitz, DO, MBS¹, Lorena Rincon Cruz, MD², Jeanne S. Chow, MD¹, Prathima Nandivada, MD¹, Belinda H. Dickie, MD, PhD¹

¹Boston Children's Hospital, Boston, MA, USA, ²Boston Children's Hospital, Cleveland, OH, USA

S97**SAFETY AND UTILITY OF LONG-ACTING STEROID INJECTION FOR MANAGEMENT OF POST-OPERATIVE STRICTURE IN PATIENTS WITH ANORECTAL MALFORMATION AND HIRSCHSPRUNG DISEASE**

Megan A. Read, MD¹, Brenna Rachwal, MPH¹, Liese C. C. Pruitt, MD MSc¹, Andrew C. Sager, PharmD, Alessandra Gasior, DO¹, Ihab Halaweish, MD¹, Richard J. Wood, MD²

¹Nationwide Children's Hospital, Columbus, OH, USA, ²Nationwide Children's Hospital, Columbus, OH, USA

S98**TIMING OF COLECTOMY AND SURGICAL OUTCOMES IN PEDIATRIC PATIENTS WITH ULCERATIVE COLITIS**

Hira Ahmad, MD², Annie Giron, MD¹, Zoe E. Flyer, DO², John Schomberg, PhD, MPH², Zhuo Chen, PhD², Donald Shaul, MD², Peter T. Yu, MD, MPH²

¹Children's Hospital of Orange County, Irvine, CA, USA, ²Children's Hospital of Orange County, Orange, CA, USA

S99**COLORECTAL CLOSURE BUNDLES MAY BE ASSOCIATED WITH LONGER OPERATIVE TIMES WITHOUT IMPROVED OUTCOMES**

Bailey K. Roberts, MD, PhD¹, Colleen P. Nofi, DO, PhD, MBA, MSc¹, Sean E. McLean, MD², Jennifer R. DeFazio, MD³, Christopher Nemeh, MD⁴, Shawn J. Rangel, MD MSCE⁵, Prathima Nandivada, MD⁶, Kerri A. McKie, MD MPH⁵, Christina Feng, MD⁷, Shaun M. Kunisaki, MD, MSc⁸, Nicole M. Chandler, MD⁹, Alyssa M. Green, MD⁹, Robert T. Russell, MD, MPH¹⁰, Shanquell Dixon, MD¹¹, Ali M. Eakes, MD, MPH¹¹, Danielle B. Cameron, MD, MPH¹², Michael A. Kochis, MD, EdM13, Hanna Alemayehu, MD¹⁴, Swathi R. Raikot, BS¹⁵, Katerina Dukleska, MD¹⁶, Vedika Karandikar, BS¹⁶, Myron Allukian, MD¹⁷, Andrew Mudreac, MD¹⁸, Stefan Scholz, MD¹⁹, Julia E. Bavuso, BS²⁰, Matthew A. Hornick, MD²¹, Janice A. Taylor, MD²², Stephan Alvarez, BS²³, Afif N. Kulaylat, MD, MSc²⁴, Michael Stack, MD²⁵, Jason O. Robertson, MD, MS²⁶, Cecilia Gigena, MD²⁷, Henry E. Rice, MD²⁸, Rachel Lee, BS²⁸, Camara A. Wooten, BS²⁹, Aaron M. Lipskar, MD³⁰, On Behalf of the M. Eastern Pediatric Surgery Network, MD, MSc³¹

¹Cohen Children's Medical Center, Northwell Health, Manhasset, NY, USA, ²University of North Carolina-Chapel Hill,

Chapel Hill, NC, USA, ³Columbia University, New York City, NY, USA, ⁴Columbia University-New York Presbyterian-

Morgan Stanley Children's Hospital, Wayne, NJ, USA, ⁵Boston Children's Hospital, Boston, MA, USA, ⁶Boston Children's

Hospital, Boston, MA, USA, ⁷Children's National Hospital, Washington, DC, USA, ⁸Johns Hopkins, Baltimore, MD,

USA, ⁹Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, ¹⁰Children's of Alabama, Birmingham, AL, USA,

¹¹Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA, ¹²Division of Pediatric Surgery,

Department of Surgery, Massachusetts General Hospital, Boston, MA, Boston, MA, USA, ¹³Mass General for Children,

Massachusetts General Hospital, Boston, MA, USA, ¹⁴Emory University School of Medicine and Children's Healthcare of

Atlanta, Atlanta, GA, USA, ¹⁵Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁶Connecticut Children's Medical Center,

Hartford, CT, USA, ¹⁷CHOP, Philadelphia, PA, USA, ¹⁸New York Presbyterian-Weill Cornell / The Children's Hospital of

Philadelphia, Philadelphia, PA, USA, ¹⁹UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA,

USA, ²⁰UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ²¹Yale New Haven Children's Hospital, New Haven, CT, USA, ²²University of Florida, Gainesville, FL, USA, ²³University of Florida, Gainesville, FL, USA, ²⁴Pennsylvania State University, University Park, PA, USA, ²⁵The Pennsylvania State University, University Park, PA, USA, ²⁶Cleveland Clinic Children's, Cleveland, OH, USA, ²⁷Cleveland Clinic Children's Hospital, Cleveland, OH, USA, ²⁸Duke University, Durham, NC, USA, ²⁹University of North Carolina, Chapel Hill, NC, USA, ³⁰Cohen Children's Medical Center/ Northwell Health, New Hyde Park, NY, USA, ³¹Eastern Pediatric Surgery Network, Baltimore, MD, USA

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EVALUATING THE MODERN EPIDEMIOLOGY OF MECONIUM-RELATED OBSTRUCTION: A RETROSPECTIVE MULTI-INSTITUTIONAL CONSORTIUM STUDY

Jordan M. Rook, MD¹, Jamie E. Anderson, MD MPH², Katelin Kramer, MD MS³, Caitlin Royse, MD³, Michele A. Evans, RN MSN NNP-BC³, Erin West, DO⁴, Adnan Ismail, MD⁵, Yigit S. Guner, MD, MSc⁶, Henry Lee, MD⁷, Shiyu S. Bai-Tong, MD⁷, Leslie A. Lusk, MD⁸, Geoanna Bautista, MD⁹, Hanmin Lee, MD¹⁰, Kara L. Calkins, MD MS¹¹, Karen M. Kling, MD¹², Daniel A. DeUgarte, MD MS¹³, On Behalf of The University of California Fetal Consortium¹⁴

¹Department of Surgery, UCLA David Geffen School of Medicine, Los Angeles, CA, USA, ²Department of Surgery, University of California, Davis, Medical Center, Sacramento, CA, USA, ³Department of Pediatrics, UCSF School of Medicine, San Francisco, CA, USA, ⁴Department of Surgery, Naval Medical Center, San Diego, CA, USA, ⁵Department of Pediatrics, UCI School of Medicine, Orange, CA, USA, ⁶Children Hospital of Orange County, Orange, CA, USA, ⁷Department of Pediatrics, UCSD School of Medicine, San Diego, CA, USA, ⁸UCSF Benioff Children's Hospital Oakland, Alameda, CA, USA, ⁹Department of Pediatrics, UCD School of Medicine, Sacramento, CA, Sacramento, CA, USA, ¹⁰UCSF Benioff Children's Hospital, San Francisco, CA, USA, ¹¹Division of Neonatology & Developmental Biology, Department of Pediatrics, Neonatal Research Center of the UCLA Children's Discovery and Innovation Institute, UCLA David Geffen School of Medicine, San Francisco, CA, USA, ¹²Department of Surgery, UCSD School of Medicine, San Diego, CA, USA, ¹³Division of Pediatric Surgery, Department of Surgery, UCLA David Geffen School of Medicine, UCLA Mattel Children's Hospital, Los Angeles, CA, USA, ¹⁴University of California Fetal Consortium, San Francisco, CA, USA

3:30 p.m. – 4:00 p.m. Refreshment Break

Scientific Session 5 - Fatal

4:00pm – 5:30pm

Moderators

Marisa E. Schwab, MD, Stanford University, Palo Alto, CA, USA

Kathleen van Leeuwen, MD, Phoenix Children's Hospital, Phoenix, AZ, USA

S100

MEDICAL AND ECONOMIC BURDEN OF CARE FOR CONGENITAL ANOMALIES: A REPORT FROM THE CHILD HEALTH EVALUATION OF SURGICAL SERVICES GROUP (CHESS)

Michael R. Phillips, MD, MSCR¹, Matt Hall, PhD², Kyle J. Van Arendonk, MD PhD³, Katherine T. Flynn-O'Brien, MD⁴, Benjamin Padilla, MD⁵, Harold J. Leraas, MD, MSPHS, MHS, MA⁶, Katie Russell, MD⁷, Adam B. Goldin, MD, MPH⁸, Samir K. Gadepalli, MD, MBA⁹, Peter Ehrlich, MD¹⁰, Elisabeth T. Tracy, MD¹¹

¹University of North Carolina-Chapel Hill, Chapel Hill, NC, USA, ²Children's Hospital Association, Lenexa, KS, USA, ³Nationwide Children's Hospital, Columbus, OH, USA, ⁴Medical College of Wisconsin, Milwaukee, WI, USA, ⁵Phoenix Children's, Phoenix, AZ, USA, ⁶Duke University Medical Center, Durham, NC, USA, ⁷Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA, ⁸Seattle Children's Hospital, University of Washington School of Medicine, Seattle, WA, USA, ⁹University of Michigan, Ann Arbor, MI, USA, ¹⁰C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA, ¹¹Department of Pediatric Surgery, Duke University Medical Center, Durham, North Carolina, Durham, NC, USA

S101

PRENATAL ESOPHAGEAL LENGTHENING BY DISTRACTION ENTEROGENESIS IN A FETAL LAMB MODEL OF LONG GAP ESOPHAGEAL ATRESIA

Jessica C. Pollack, MD¹, Nicolas Vinit, MD, MSc², Shelley Jain¹, Mia E. Kwechin³, Rachel Conan⁴, Melanie Bates, MSE⁵, Pamela Emengo, MD⁶, James C.Y. Dunn, MD PhD⁷, Emily Partridge, MD, PhD³

¹Children's Hospital of Philadelphia, Philadelphia, PA, USA, ²Center for Fetal Research, Children's Hospital of Philadelphia, Philadelphia, PA, USA; EA FETUS 7328-PACT, Institut Imagine, Hôpital Necker-Enfants malades, Université de Paris Cité, Paris, France, Philadelphia, PA, USA, ³Children's Hospital of Philadelphia, Philadelphia, PA, USA, ⁴Children's Hospital of Philadelphia, West Chester, PA, USA, ⁵Children's Hospital of Philadelphia, Morrisville, PA, USA, ⁶Stanford, Palo Alto, CA, USA, ⁷Stanford University, Palo Alto, CA, USA

S102**TRANSAMNIOTIC FETAL DELIVERY OF RECOMBINANT HUMAN IMMUNOGLOBULIN MONOCLONAL ANTIBODIES: A POTENTIAL NOVEL STRATEGY FOR PREVENTION OF NEONATAL RESPIRATORY SYNCYTIAL VIRUS (RSV) DISEASE**

Alex L. Huang, MD, Emily M. Scire, MD MBE, Tanya T. Dang, Melody Tai, Eva Zacharakis, Blen Yohannes, Ina Kycia, PhD, David Zurakowski, MS PhD, Dario O. Fauza, MD PhD FAAP

Boston Children's Hospital, Boston, MA, USA

S103**VARIATION IN THE PRENATAL DIAGNOSTIC EVALUATION OF LUNG MALFORMATIONS AMONG FETAL CARE CENTERS IN THE UNITED STATES**

Anne M. Sescleifer, MD¹, Kyra M. Halbert-Elliott, BS², Tayana A. Jean Pierre, MD³, Terry L. Buchmiller, MD³, Yeu Sanz Wu, MD⁴, Alysala Malik⁵, Vincent P. Duron, MD⁶, Jennifer M. Schuh, MD⁷, Casey M. Calkins, MD⁸, Peter T. Yu, MD, MPH⁹, Annie Giron, MD¹⁰, Zoe E. Flyer, DO⁹, Patricia S. Greco, MD¹¹, Joseph T. Church, MD¹¹, Jasmine D. Lee, MD¹², Brian W. Gray, MD¹³, Inna N. Lobeck, MD¹⁴, Antonika Ford¹⁵, Alyssa M. Green, MD¹⁶, Christopher W. Snyder, MD, MSPH¹⁶, Cortnie Vaughn, MD¹⁷, Raphael C. Sun, MD¹⁸, Benjamin D. Carr, MD¹⁹, Stephen J. Fenton, MD²⁰, Jason O. Robertson, MD, MS²¹, Cecilia Gigena, MD²², Darrell L. Cass, MD²³, Shaun M. Kunisaki, MD, MSc²⁴, On Behalf of the Congenital Lung Malformation Study Group¹

¹*Johns Hopkins University, Baltimore, MD, USA*, ²*Johns Hopkins University School of Medicine, Baltimore, MD, USA*,

³*Boston Children's Hospital, Boston, MA, USA*, ⁴*Columbia University Irving Medical Center, New York, NY, USA*,

⁵*Columbia University Irving Medical Center, New York City, NY, USA*, ⁶*New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA*, ⁷*Medical College of Wisconsin, Milwaukee, WI, USA*, ⁸*Children's Wisconsin, Milwaukee, WI, USA*, ⁹*Children's Hospital of Orange County, Orange, CA, USA*, ¹⁰*Children's Hospital of Orange County, Irvine, CA, USA*, ¹¹*University of Michigan, Ann Arbor, MI, USA*, ¹²*Indiana University, Indianapolis, IN, USA*, ¹³*Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA*, ¹⁴*Children's Mercy Hospital - Kansas City, Leawood, KS, USA*, ¹⁵*Johns Hopkins All Children's Hospital, Saint Petersburg, FL, USA*, ¹⁶*Johns Hopkins All Children's Hospital, St Petersburg, FL, USA*, ¹⁷*Oregon Health and Science University, Portland, OR, USA*, ¹⁸*Oregon, Portland, OR, USA*, ¹⁹*Oregon Health & Science University, Portland, OR, USA*, ²⁰*University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA*, ²¹*Cleveland Clinic Children's, Cleveland, OH, USA*, ²²*Cleveland Clinic Children's Hospital, Cleveland, OH, USA*, ²³*Cleveland Clinic, Cleveland, OH, USA*, ²⁴*Johns Hopkins, Baltimore, MD, USA*

S104**FETAL GENE EDITING: THE LONG AND SHORT OF IT**

Ana Maria Dumitru, MD, PhD¹, Marco Carpenter, PhD², Valerie L. Luks, MD³, Cara L. Berkowitz, MD, MTR⁴, John S. Riley, MD³, Nicole J. Kus, MD⁵, Rosa Choi, MD⁶, Nicholas F. Archer, BS⁷, William Johnston, MD⁸, Andrew Mudreac, MD⁹, Adele Ricciardi, MD, PhD¹⁰, Julie Yeo Su Li¹¹, Yiping Fan¹¹, Hooda Said¹², Xiao Wang, PhD¹³, Mohamad-Gabriel Alameh, PhD², Jerry Chan, MD, PhD, MA¹⁴, Kiran Musunuru, MD, PhD, MPH, MTR¹³, William H. Peranteau, MD⁶

¹*Children's Hospital of Philadelphia; University of California San Diego Health, Philadelphia, PA, USA*, ²*Children's Hospital of Philadelphia (CHOP), Philadelphia, PA, USA*, ³*University of Pennsylvania (UPenn), Philadelphia, PA, USA*, ⁴*Children's Hospital of Philadelphia (CHOP); Cornell, Philadelphia, PA, USA*, ⁵*University of Maryland, Baltimore, MD, USA*, ⁶*Children's Hospital of Philadelphia, Philadelphia, PA, USA*, ⁷*Drexel College of Medicine, Philadelphia, PA, USA*, ⁸*Children's Hospital of Philadelphia, Philadelphia, PA, USA*, ⁹*New York Presbyterian-Weill Cornell / The Children's Hospital of Philadelphia, Philadelphia, PA, USA*, ¹⁰*Children's Hospital of Philadelphia; University of Pennsylvania, Philadelphia, PA, USA*, ¹¹*KK Women's and Children's Hospital, Singapore, N/A, Singapore*, ¹²*Children's Hospital of Philadelphia (CHOP); University of Pennsylvania (UPenn), Philadelphia, PA, USA*, ¹³*Penn Cardiovascular Institute Genetic and Epigenetic Origins of Disease Program, University of Pennsylvania (UPenn), Philadelphia, PA, USA*, ¹⁴*SingHealth Duke-NUS Medical School; KK Women's and Children's Hospital, Singapore, N/A, Singapore*

S105**SUSTAINED EARLY POSTNATAL HUMORAL AND CELLULAR IMMUNITY AGAINST HUMAN CYTOMEGALOVIRUS AFTER TRANSAMNIOTIC FETAL MRNA VACCINATION IN A RODENT MODEL**

Emily M. Scire, MD MBE, Alex L. Huang, MD, Thais Boccia, MSc PhD, Kamila Moskowitsova, MD, Ina Kycia, PhD, Tanya T. Dang, Melody Tai, Eva Zacharakis, Ayaka Aihara, Beatriz S. Bechara, David Zurakowski, MS PhD, Dario O. Fauza, MD PhD FAAP

Boston Children's Hospital, Boston, MA, USA

S106**THE EFFECT OF EX-VIVO GRAVID UTERINE SUPPORT ON UMBILICAL VESSEL FLOW VELOCITIES AND DUCTUS ARTERIOSUS PATENCY**

Jennifer M. Schuh, MD¹, Araceli A. Morelos, MD², Emmanuel L. Abebrese, MD¹, Deron W. Jones, BS¹, Natalie Stocke, CCP, LP³, Nicholas Starkey, CCP, LP, FPP³, Jose H. Salazar, MD, PhD¹

¹Medical College of Wisconsin, Milwaukee, WI, USA, ²Medical College of Wisconsin, Wauwatosa, WI, USA, ³Children's Wisconsin, Milwaukee, WI, USA

S107**PRELIMINARY EFFICACY AND SAFETY FETAL INTERVENTION STUDIES IN THE LOWER URINARY TRACT OBSTRUCTION AND PLEURAL EFFUSION LAMB MODEL UTILIZING A NOVEL FETAL SHUNT – THE VORTEX SHUNT**

Enrico Danzer, MD¹, Tomohiro Arai, MD², Eric Johnson, MS³, Marianna Scuglia, MD⁴, Wasinee Tianthong, MD², Roland Devlieger, MD, PhD², Jan Deprest, MD, PhD², Francesca Russo, MD, PhD², Yair Blumenfeld, MD³, Kunj Sheth, MD³

¹MSKCC, New York, NY, USA, ²University Hospitals KU Leuven, Leuven, Vlaams-Brabant, Belgium, ³Stanford University, Stanford, CA, USA, ⁴University Hospitals KU Leuven, Leuven, West-Vlaanderen, Belgium

S108**CONTEMPORARY USE OF MATERNAL BETAMETHASONE IN THE TREATMENT OF FETAL LUNG MALFORMATIONS: RESULTS FROM A NATIONAL MULTICENTER COHORT STUDY**

Kyra M. Halbert-Elliott, BS¹, Anne M. Sescleifer, MD², Tayana A. Jean Pierre, MD³, Terry L. Buchmiller, MD³, Yeu Sanz Wu, MD⁴, Alysala Malik⁵, Vincent P. Duron, MD⁶, Jennifer M. Schuh, MD⁷, Casey M. Calkins, MD⁸, Peter T. Yu, MD, MPH⁹, Annie Giron, MD¹⁰, Zoe E. Flyer, DO⁹, Patricia S. Greco, MD¹¹, Joseph T. Church, MD¹¹, Jasmine D. Lee, MD¹², Brian W. Gray, MD¹³, Inna N. Lobeck, MD¹⁴, Antonika Ford¹⁵, Alyssa M. Green, MD¹⁶, Christopher W. Snyder, MD, MSPH¹⁶, Cortnie Vaughn, MD¹⁷, Raphael C. Sun, MD¹⁸, Benjamin D. Carr, MD¹⁹, Stephen J. Fenton, MD²⁰, Jason O. Robertson, MD, MS²¹, Cecilia Gigena, MD²², Darrell L. Cass, MD²³, Shaun M. Kunisaki, MD, MSc²⁴, On Behalf of the Congenital Lung Malformation Study Group²

¹Johns Hopkins University School of Medicine, Baltimore, MD, USA, ²Johns Hopkins University, Baltimore, MD, USA, ³Boston Children's Hospital, Boston, MA, USA, ⁴Columbia University Irving Medical Center, New York, NY, USA, ⁵Columbia University Irving Medical Center, New York City, NY, USA, ⁶New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, ⁷Medical College of Wisconsin, Milwaukee, WI, USA, ⁸Children's Wisconsin, Milwaukee, WI, USA, ⁹Children's Hospital of Orange County, Orange, CA, USA, ¹⁰Children's Hospital of Orange County, Irvine, CA, USA, ¹¹University of Michigan, Ann Arbor, MI, USA, ¹²Indiana University, Indianapolis, IN, USA, ¹³Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, ¹⁴Children's Mercy Hospital - Kansas City, Leawood, KS, USA, ¹⁵Johns Hopkins All Children's Hospital, Saint Petersburg, FL, USA, ¹⁶Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, ¹⁷Oregon Health and Science University, Portland, OR, USA, ¹⁸Oregon, Portland, OR, USA, ¹⁹Oregon Health & Science University, Portland, OR, USA, ²⁰University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, ²¹Cleveland Clinic Children's, Cleveland, OH, USA, ²²Cleveland Clinic Children's Hospital, Cleveland, OH, USA, ²³Cleveland Clinic, Cleveland, OH, USA, ²⁴Johns Hopkins, Baltimore, MD, USA

Scientific Session 6 - Thoracic**4:00pm – 5:30pm****Moderators**

Andrew Zigman, MD CM, NW Permanente, OHSU/ Doernbecher Children's Hospital, Portland, OR, USA

Tim Jancelewicz, MD, MA, MS, Le Bonheur Children's Hospital, University of Tennessee Health Science Center, Memphis, TN, USA

S109**DIAGNOSTIC YIELD OF OPEN VS. THORACOSCOPIC LUNG BIOPSY TO DIAGNOSE NON-MALIGNANT PULMONARY DISEASE**

Kara Kennedy, MD¹, Anthony di Natale, MD¹, Rosa Hwang, BS², Myron Allukian, MD³

¹Children's Hospital of Philadelphia, Philadelphia, PA, USA, ²Children's Hospital of Philadelphia, Philadelphia, PA, USA, ³CHOP, Philadelphia, PA, USA

S110**CONTEMPORARY MANAGEMENT OF PECTUS EXCAVATUM: A SURVEY OF MEMBERS OF THE AMERICAN PEDIATRIC SURGICAL ASSOCIATION**

Hae Sung Kang, MD¹, Annamarie Lukish, MS², Carolyn Gosztyla³, Mark L. Kovler¹, Kibileri Williams, MBBS⁴, Seth D. Goldstein, MD MPhil⁵, Fizan Abdullah, MD, PhD⁶, Jeffrey Lukish, MD⁴

¹Children's National Hospital, Washington, DC, USA, ²Kansas City University College of Medicine, Lutherville, MD, USA, ³Children's National Hospital, Silver Spring, MD, USA, ⁴Children's National Hospital, Washington DC, DC, USA, ⁵Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁶Northwestern University & Lurie Children's Hospital, Glen Ellyn, IL, USA

S111**TRENDS AND OUTCOMES OF THORACOSCOPIC ESOPHAGEAL ATRESIA AND TRACHEOESOPHAGEAL FISTULA REPAIR 2016-2022**

John M. Woodward, MD¹, Aaron Orellana², Owen Cordaro³, Krystle Bittner, MPH⁴, Carroll M. Harmon, MD PhD⁵, Phillip Benson Ham, MD, MS⁶

¹University at Buffalo General Surgery, Buffalo, NY, USA, ²University at Buffalo, Williamsville, NY, USA, ³Jacobs School of Medicine and Biomedical Sciences, Buffalo, NY, USA, ⁴John R. Oishei Children's Hospital, Spencerport, NY, USA, ⁵John R Oishei Children's Hospital, Buffalo, NY, USA, ⁶John R. Oishei Children's Hospital, Division of Pediatric Surgery, State University of New York, University at Buffalo, Buffalo, NY, USA

S112**COMPARING THE TIME OF SURGERY FOR CONGENITAL LUNG MALFORMATIONS IN CHILDREN THROUGHOUT THE UNITED STATES**

Monique Motta, MD¹, Betsy Rodriguez, DO¹, Azalia Avila, MD¹, Holly L. Neville, MD², Joshua Parreco³, Tamar Levene, MD⁴

¹Memorial Healthcare System, Pembroke Pines, FL, USA, ²Joe DiMaggio Children's Hospital, Memorial Healthcare, Hollywood, FL, USA, ³Memorial Healthcare System, Hollywood, FL, USA, ⁴Joe DiMaggio Children's Hospital, Hollywood, FL, USA

S113**PRENATAL IMAGING CHARACTERISTICS PREDICT THE NEED FOR EARLY THORACIC SURGERY OR ADVANCED RESPIRATORY SUPPORT IN NEONATES WITH CONGENITAL LUNG MALFORMATIONS**

Jasmine D. Lee, MD¹, Sharon Joseph, MD, MS², Kelsey Pape, MD¹, Rachel Wise, MD³, Faezeh Aghajani, MD⁴, Chelsea Hunter, MD², Anthony Shanks, MD, MEd¹, Brandon Brown, MD, MA⁵, Hiba Mustafa, MD⁶, Brian W. Gray, MD⁷

¹Indiana University, Indianapolis, IN, USA, ²Indiana University School of Medicine, Indianapolis, IN, USA, ³Cincinnati Children's, Cincinnati, OH, USA, ⁴Universitat de Barcelona, Barcelona, Extremadura, Spain, ⁵Riley Hospital for Children, Pediatric Radiology, Indianapolis, IN, USA, ⁶Riley Hospital for Children, Fetal Center, Indianapolis, IN, USA, ⁷Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA

S114**IMPACT OF PREMATURITY AND GESTATIONAL AGE AT SURGERY ON DIAPHRAGMATIC PPLICATION OUTCOMES**

Ava Herzog, BS¹, Aditya Goyal, BS², Ashar Ata, PhD², Mary J. Edwards, MD³

¹Albany Medical College, Saratoga Springs, NY, USA, ²Albany Medical College, Albany, NY, USA, ³Albany Medical Center, Albany, NY, USA

S115**BIODEGRADABLE AND SELF-EXPANDING METAL STENTS IN THE TREATMENT OF PEDIATRIC BENIGN ESOPHAGEAL DISEASES**

Johannes D. Melchior, MD¹, Frauke Blaum, MD², Oliver J. Muensterer, MD, PhD³

¹Dr. von Hauner Children's Hospital. LMU Medical Center, Munich, Bayern, Germany, ²Braunschweig Children's Hospital, Braunschweig, Niedersachsen, Germany, ³Dr. von Hauner Children's Hospital, Ludwig-Maximilians-University Munich, Munich, Bayern, Germany

S116**TELEMEDICAL INTERDISCIPLINARY CARE FOR PATIENTS WITH ESOPHAGEAL ATRESIA (TIC-PEA): A PROSPECTIVE; MULTICENTER COHORT STUDY EVALUATING THE EFFECT OF STRUCTURED TELEMEDICAL CONSULTATION ON OUTCOME**

Oliver J. Muensterer, MD, PhD¹, Maria Christina Stefanescu², Emilio Gianicolo³, Luisa Frankenbach², Anke Widenmann⁴, TIC-PEA Study Group⁵, Tatjana T. König⁶

¹*Dr. von Hauner Children's Hospital, Ludwig-Maximilians-University Munich, Munich, Bayern, Germany*, ²*Department of Pediatric Surgery, University Medical Center of the Johannes-Gutenberg University Mainz, Mainz, Rheinland-Pfalz, Germany*, ³*IMBEL, University Medical Center of the Johannes-Gutenberg University Mainz, Mainz, Rheinland-Pfalz, Germany*, ⁴*KEKS eV - Patient Support group of Patients with EA, Stuttgart, Baden-Wuerttemberg, Germany*, ⁵*TIC-PEA study group, Mainz, Rheinland-Pfalz, Germany*, ⁶*Department of Pediatric Surgery, Medizinische Hochschule Hannover, Hannover, Niedersachsen, Germany*

S117**ASSESSING CARDIAC COMPRESSION IN PECTUS EXCAVATUM: THE ROLE OF EXTERNAL CALIPER MEASUREMENTS**

Alyssa M. Green, MD¹, JoAnn C. DeRosa, BSN, RN², Hanna Alemayehu, MD³, Kelly Bartkus, MSN, RN, CPNP⁴, Farokh R. Demehri, MD⁵, Samantha M. Koenig, MD, MPH⁶, Shaun M. Kunisaki, MD, MSc⁷, Sean E. McLean, MD⁸, Jonathan Meisel, MD³, Robert T. Russell, MD, MPH⁹, Anne M. Sescleifer, MD¹⁰, Stefan Scholz, MD¹¹, Janice A. Taylor, MD¹², Nicole M. Chandler, MD¹, Christopher W. Snyder, MD, MSPH¹, On Behalf of the M. Eastern Pediatric Surgery Network, MD, MSc¹³

¹*Johns Hopkins All Children's Hospital, St Petersburg, FL, USA*, ²*Johns Hopkins All Children's Hospital, St Petersburg, FL, USA*, ³*Emory University School of Medicine and Children's Healthcare of Atlanta, Atlanta, GA, USA*, ⁴*Boston Childrens Hospital, Boston, MA, USA*, ⁵*Boston Children's Hospital, Boston, MA, USA*, ⁶*University of Alabama at Birmingham, Children's of Alabama, Birmingham, AL, USA*, ⁷*Johns Hopkins, Baltimore, MD, USA*, ⁸*University of North Carolina- Chapel Hill, Chapel Hill, NC, USA*, ⁹*Children's of Alabama, Birmingham, AL, USA*, ¹⁰*Johns Hopkins University, Baltimore, MD, USA*, ¹¹*UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA*, ¹²*University of Florida, Gainesville, FL, USA*, ¹³*Eastern Pediatric Surgery Network, Baltimore, MD, USA*

S118**TRACHEOBRONCHOPEXY IN BRONCHOPULMONARY DYSPLASIA INFANTS WITH SEVERE TRACHEOBRONCHOMALACIA**

Hester F. Shieh, MD¹, Shawn Izadi, MD², Russell W. Jennings, MD¹, Benjamin Zendejas, MD, MSc³, C Jason J. Smithers, MD¹

¹*Johns Hopkins All Children's Hospital, St Petersburg, FL, USA*, ²*Boston Children's Hospital, Boston, MA, USA*, ³*Boston Children's Hospital, Boston, MA, USA*

Scientific Session 7 - Quality**4:00pm – 5:30pm****Moderators**

Raquel Gonzalez, MD, MHCM, Division of Pediatric Surgery, Department of Surgery, John's Hopkins All Children's Hospital, St. Petersburg, FL, USA, Matthew T. Santore, MD, CHOA, Atlanta, GA, USA

S120**IMPROVING SUCCESS RATE OF ENEMA REDUCTION FOR INTUSSUSCEPTION**

Alexa G. Turpin, MD¹, Faaiza Kazmi, MD², Annie Baker², Krisy Burnett², Nicole Dalton², Melissa Gilmore², Tina Molineux³, Jillian Savage, DO², Kristen Delin, MS², Judy Guidash, RN, CPHQ², Loren Berman, MD²

¹*Nemours Children's Health - Delaware Valley, Pedricktown, NJ, USA*, ²*Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*, ³*Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*

S119**IMPLEMENTATION OF A CLINICAL PATHWAY FOR SHORTENED ANTIBIOTIC THERAPY IN CHILDREN WITH COMPLICATED APPENDICITIS**

Monica E. Lopez, MD, MS, FACS, FAAP¹, Monica Milovancev, MSN, APRN, CPNP-AC/PC2, Parker T. Evans, MD², Yasmeen Qwaider, MD³, Tatiana Zabaleta, MD, MPH

¹*Monroe Carell Jr Children's Hospital at Vanderbilt, Nashville, TN, USA*, ²*Vanderbilt University Medical Center, Nashville, TN, USA*, ³*University of Wisconsin Department of Surgery, Madison, WI, USA*

S121**IMAGING STEWARDSHIP FOR THE DIAGNOSIS OF PEDIATRIC APPENDICITIS: ONE INSTITUTION'S PATHWAY TO IMPROVE DIAGNOSTIC ACCURACY OF ULTRASOUND**

Alexa G. Turpin, MD¹, Lauren May, MD², Michael M. Moore, MD², Sharon Gould, MD², Annie Baker², Jillian Savage, DO², Arezoo Zomorodi, MD², Matthew M. Boelig, MD³, Kristen Delin, MS², Judy Guidash, RN, CPHQ², Loren Berman, MD²

¹Nemours Children's Health - Delaware Valley, Pedricktown, NJ, USA, ²Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ³Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

S122**ASSOCIATION BETWEEN SAME DAY DISCHARGE AND READMISSION RATES FOR COMMON PEDIATRIC SURGICAL CASES: A NSQIP-PEDIATRIC ANALYSIS, 2012-2022**

Nzuekoh N. Nchinda, MD¹, Sarah B. Cairo, MD, MPH², David H. Rothstein, MD, MS³

¹Seattle Children's Hospital, University of Washington, Seattle, WA, USA, ²University of California-San Francisco Benioff Children's Hospital, San Francisco, CA, USA, ³Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA

S123**IMPACT OF AN INTERACTIVE ONLINE DASHBOARD ON COMPLIANCE WITH PEDIATRIC SURGICAL ANTIBIOTIC PROPHYLAXIS GUIDELINES**

Catherine Yip, MD¹, Brian A. Coakley, MD, FACS, FAAP, Dipl ABOM²

¹Mount Sinai Hospital, New York, NY, USA, ²New York, NY, USA

S124**IMPLEMENTATION OF REMOTE PATIENT MONITORING TO REDUCE GASTROSTOMY TUBE RESOURCE UTILIZATION**

Andrew Mudreac, MD¹, Lauren Agzigian, MSN, CRNP², Dennis Hiller, BSN, RN², Myron Allukian, MD³, Beatrix Balogh, MS², Antoinette Drill, MSN, CRNP², Sarah Hadley, MBA, RN², Jennifer Hershey, MPH², Rosa Hwang, BS², Alex Kalvar, BA², Natalie Walker, MSN, CRNP², Gary Nace, MD²

¹New York Presbyterian-Weill Cornell / The Children's Hospital of Philadelphia, Philadelphia, PA, USA, ²Children's Hospital of Philadelphia, Philadelphia, PA, USA, ³CHOP, Philadelphia, PA, USA

S125**SAME DAY DISCHARGE AFTER SURGICAL GASTROSTOMY TUBE PLACEMENT IN CHILDREN**

Melissa M. Matthews, MSN, APRN, PCNS-BC, CPNP-AC¹, Jamie Robinson, MD, MS, PhD², Eunice Y. Huang, MD, MS³, Monica Milovancev, MSN, APRN, CPNP-AC/PC³, Monica E. Lopez, MD, MS, FACS, FAAP⁴, Kelsie Townsend, MSN, CPNP-AC/PC³, Tatiana Zabaleta, MD, MPH

¹Vanderbilt University Medical Center, Franklin, TN, USA, ²Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA, ³Vanderbilt University Medical Center, Nashville, TN, USA, ⁴Monroe Carell Jr Children's Hospital at Vanderbilt, Nashville, TN, USA

S126**CALCULATING CARBON EMISSION REDUCTION IN PEDIATRIC PATIENT VISITS AT OUTREACH CLINICS FROM A SURGICAL PATIENT COHORT**

Brittany Walker, BS, Michael Stellon, Abner Barbosa, Peter F. Nichol, MD, PhD

University of Wisconsin SMPH, Madison, WI, USA

S127**CROTALID ENVENOMATION SCORE IMPROVES MANAGEMENT OF PEDIATRIC SNAKEBITE PATIENTS**

Anthony A. Criscitiello, MD¹, Justin Malek, MD¹, Emily K. Nes, MD, MPH², Syed Zamin¹, Hale Wills¹, Danny Little, MD¹, Hayden W. Stagg¹

¹Baylor Scott and White/McLane Children's Hospital, Temple, TX, USA, ²Baylor Scott and White Medical Center/ Baylor College of Medicine, Temple, TX, USA

S128**OPEN VERSUS MINIMALLY INVASIVE SURGERY FOR PEDIATRIC CHOLEDOCHAL CYST IN A PROPENSITY SCORE MATCHED COHORT**

Paulo Castro, BS¹, Loren Berman, MD², Matthew M. Boelig, MD³, Anna M. Lin, MD⁴, Lindsey Asti, PhD, MPH²

¹Philadelphia College of Osteopathic Medicine, Allentown, PA, USA, ²Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ³Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ⁴Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

Scientific Session 8 - General Pediatric Surgery 1

4:00pm – 5:30pm

Moderators

Diana Diesen, MD, UT Southwestern, Dallas, TX, USA

Pamela M. Choi, MD, Naval Medical Center San Diego, San Diego, CA, USA

Chat Monitor

Marion C. W Henry, MD, MPH, University of Chicago, Chicago, IL, USA

S130

HOME NG TUBE FEEDS ARE SAFE AND DO NOT LEAD TO ADDITIONAL MORBIDITY OR LATE GASTROSTOMY PLACEMENT IN PREMATURE INFANTS BORN AT A RURAL ACADEMIC HOSPITAL

Kathryn Richards, NP¹, William L. Daugherty-Miller, M.Eng.², Tyler Hartman, MD¹, **Reto M. Baertschiger, MD, PhD¹**, Karina Lukovits, n/a³

¹Dartmouth Hitchcock Medical Center, Lebanon, NH, USA, ²Dartmouth Hitchcock Medical Center, Keene, NH, USA,

³Geisel School of Medicine at Dartmouth, NORWICH, VT, USA

S138

UNDER PRESSURE: HOW ACTIVITY RESTRICTIONS SHIFT THE PECTUS BAR PARADIGM - A WESTERN PEDIATRIC SURGERY RESEARCH CONSORTIUM STUDY

R Scott Eldredge, MD¹, Benjamin Padilla, MD², Anastasia M. Kahan, MD³, Lauren Nicassio¹, Stephanie D. Chao, MD⁴, Marisa E. Schwab, MD⁵, Jose L. Diaz-Miron, MD⁶, Ana Ibarra, BS⁷, Samir Pandya, MD⁸, Mark L. Ryan, MD⁹, Lauren Gillory¹⁰, Justin Lee, MD¹, Romeo C. Ignacio, MD MS MPath¹¹, Ben A. Keller, MD¹², Jack H. Scaife, BA¹³, Christopher Clinker¹⁴, Lucas A. McDuffie, MD¹⁵, Emily Byrd, MD PhD¹⁶, David H. Rothstein, MD, MS¹⁷, Lorraine I. Kelley-Quon, MD MSHS¹⁸, Sunghoon Kim, MD¹⁹, Daniel J. Ostlie, MD¹, Katie Russell, MD²⁰

¹Phoenix Children's, Phoenix, AZ, USA, ²Phoenix Childrens, Phoenix, AZ, USA, ³University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, ⁴Stanford University School of Medicine, Palo Alto, CA, USA, ⁵Stanford University, Palo Alto, CA, USA, ⁶University of Colorado / Children's Hospital Colorado, Aurora, CO, USA, ⁷University of Colorado, Aurora, CO, USA, ⁸UT Southwestern Medical Center, Dallas, TX, USA, ⁹Children's Medical Center of Dallas, Dallas, TX, USA, ¹⁰UT Southwestern, Dallas, TX, USA, ¹¹Rady Children's Hospital San Diego, San Diego, CA, USA, ¹²Rady Children's Hospital, San Diego, CA, USA, ¹³University of Utah School of Medicine, Salt Lake City, UT, USA, ¹⁴University of Utah School of Medicine, SALT LAKE CITY, UT, USA, ¹⁵Doernbecher Children's Hospital Oregon Health & Science University, Portland, OR, Portland, OR, USA, ¹⁶Oregon Health & Science University, Portland, OR, USA, ¹⁷Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, ¹⁸Children's Hospital Los Angeles, Los Angeles, CA, USA, ¹⁹University of California, San Francisco, Oakland, CA, USA, ²⁰Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA

S131

IMPLEMENTATION OF AN ENHANCED RECOVERY AFTER SURGERY PATHWAY FOR PEDIATRIC SURGICAL ONCOLOGY USING QUALITY IMPROVEMENT METHODOLOGY

Shachi Srivatsa, MD, MPH¹, Jennifer H. Aldrink, MD², Elizabeth Schneider, BSISE LSSGB³, Taha Akbar⁴, Giorgio Veneziano, MD⁵, Vanessa Ng, MD⁵, Cindy L. McManaway, FNP³, Dana Michelle Schwartz, MD⁶, Kris Jatana, MD⁷, Sara A. Mansfield, MD⁸

¹Nationwide Childrens Hospital, The Ohio State University College of Medicine, Grandview Heights, OH, USA,

²Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, ³Nationwide Children's Hospital, Columbus, OH, USA, ⁴Nationwide Children's Hospital Research Institute, Columbus, OH, USA, ⁵Department of Anesthesiology and Pain Medicine, Nationwide Children's Hospital, Columbus, OH, USA, ⁶Division of Pediatric Surgery, Department of Surgery, Nationwide Childrens Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, ⁷Department of Otolaryngology - Head and Neck Surgery, Nationwide Children's Hospital and The Ohio State University Wexner Medical Center, Columbus, OH, USA, ⁸Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA

S132

PER ORAL ENDOSCOPIC MYOTOMY (POEM) FOR PEDIATRIC ACHALASIA: INSTITUTIONAL EXPERIENCE WITH THE FIRST 100 CASES

Mikael Petrosyan, MD, MBA, Mark L. Kovler, Jill Rafie, MSN, RN, CPN, Rebecca Chavez, MSN, FNP-C, Anil Darbari, MD, Timothy Kane, MD

Children's National Hospital, Washington, DC, USA

S133**THE SCOPE OF VASCULAR SURGERY EXPERTISE IN PEDIATRIC SURGERY: A SURVEY OF DIVISION CHIEFS AT UNITED STATES CHILDREN'S HOSPITALS**

Nzuekoh N. Nchinda, MD¹, Dawn Coleman, MD², John White, MD³, Regan F. Williams, MD, MS⁴, David H. Rothstein, MD, MS⁵

¹Seattle Children's Hospital, University of Washington, Seattle, WA, USA, ²Duke University, Durham, NC, USA, ³Advocate Health, Lake Forest, IL, USA, ⁴University of Tennessee Medical Center, Memphis, Memphis, TN, USA, ⁵Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA

S134**NON-OPERATIVE MANAGEMENT OF PEDIATRIC, UNCOMPLICATED ACUTE APPENDICITIS: A SURVEY OF PEDIATRIC SURGEONS' PERCEPTIONS AND PRACTICE**

Nitin Sajankila, MD, MS¹, Cecilia Gigena, MD², Matthew M. Boelig, MD³, Afif N. Kulaylat, MD, MSc⁴, Kyle J. Van Arendonk, MD PhD⁵, Jamie Robinson, MD, MS, PhD⁶, Jason P. Sulkowski, MD⁷, Seth D. Goldstein, MD MPhil⁸, Erica M. Carlisle, MD⁹, Shannon L. Castle, MD¹⁰, Jeffrey M. Burford, MD¹¹, Moiz M. Mustafa, MD, MS¹², Daniel S. Rhee, MD¹³, Catherine J. Hunter, MD¹⁴, David H. Rothstein, MD, MS¹⁵, Howard C. Jen, MD MS¹⁶, Stefan Scholz, MD¹⁷, Mark L. Ryan, MD¹⁸, Alexander Urevick, MD¹⁹, Dave D. Bhattacharya, MD²⁰, Romeo C. Ignacio, MD MS MPath²¹, Bethany J. Slater, MD, MBA²², Brian C. Gulack, MD MHS²³, Jason O. Robertson, MD, MS²⁴, On Behalf of The Pediatric Surgery Research Collaborative²⁵

¹Cleveland Clinic Foundation, Shaker Heights, OH, USA, ²Cleveland Clinic Children's Hospital, Cleveland, OH, USA, ³Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ⁴Pennsylvania State University, University Park, PA, USA, ⁵Nationwide Children's Hospital, Columbus, OH, USA, ⁶Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA, ⁷Division of Pediatric Surgery, Children's Hospital of Richmond at Virginia Commonwealth University Health, Richmond, VA, USA, ⁸Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁹University of Iowa, Iowa City, IA, USA, ¹⁰Division of Pediatric Surgery, Valley Children's Hospital, Madera, CA, Madera, CA, USA, ¹¹Arkansas Children's, Little Rock, AR, USA, ¹²Joe DiMaggio Children's Hospital, Hollywood, FL, USA, ¹³Division of Pediatric Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, Baltimore, MD, USA, ¹⁴Oklahoma Children's Hospital, Oklahoma City, OK, USA, ¹⁵Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, ¹⁶Department of Surgery, UCLA David Geffen School of Medicine, Los Angeles, CA, USA, ¹⁷UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ¹⁸Children's Medical Center of Dallas, Dallas, TX, USA, ¹⁹University of Tennessee at Chattanooga, Chattanooga, TN, USA, ²⁰Children's Hospital at Erlanger, Chattanooga, TN, USA, ²¹Rady Children's Hospital San Diego, San Diego, CA, USA, ²²University of Chicago, Medicine, Chicago, IL, USA, ²³Rush University Medical Center, Chicago, IL, USA, ²⁴Cleveland Clinic Children's, Cleveland, OH, USA, ²⁵The Pediatric Surgery Research Collaborative, Houston, TX, USA

S135**DOES SURGICAL TECHNIQUE PLAY A ROLE IN POSTOPERATIVE HYDROCELE FORMATION IN PEDIATRIC INGUINAL HERNIA REPAIR**

Stephanie F. Brierley, MD¹, Brielle Ochoa, MD², Kathleen Heller, MD, MS¹, Amir Alhajjat, MD³, Emily Byrd, MD PhD⁴, Stephanie D. Chao, MD⁵, Matthew S. Clifton, MD⁶, Christopher Clinker⁷, Jose L. Diaz-Miron, MD⁸, Elizabeth A. Fialkowski, MD⁹, Yigit S. Guner, MD, MSc¹⁰, Nutan B. Hebballi, PhD¹¹, Alexandra Highet, MD¹², Carlos T. Huerta, MD¹³, Devashish Joshi, MD¹⁴, Lorraine I. Kelley-Quon, MD MSHS¹⁵, Pablo Laje, MD¹⁶, Aaron P. Leshner, MD¹⁷, Steven T. Papastefan, MD³, Eduardo A. Perez, MD¹³, Warren C. Rehrer, MD¹⁸, Katie Russell, MD¹⁹, Bethany J. Slater, MD, MBA²⁰, Michael Stellon²¹, Caroline Stephens, MD, MPH²², Krysta M. Sutyak, DO²³, Cristine S. Velazco, MD, MS, FACS¹⁸, Nell T. Weber²⁴, Minna M. Wieck, MD²⁵, Benjamin Padilla, MD²⁶

¹Phoenix Children's Hospital, Phoenix, AZ, USA, ²Phoenix Childrens Hospital, Department of Surgery, Phoenix, AZ, USA, ³Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁴Oregon Health & Science University, Portland, OR, USA, ⁵Stanford University School of Medicine, Palo Alto, CA, USA, ⁶Emory University/CHOA, Atlanta, GA, USA, ⁷University of Utah School of Medicine, Salt Lake City, UT, USA, ⁸University of Colorado / Children's Hospital Colorado, Aurora, CO, USA, ⁹Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, ¹⁰Children Hospital of Orange County, Orange, CA, USA, ¹¹McGovern Medical School at The University of Texas Health Science Center at Houston, Houston, TX, USA, ¹²UCSF, San Francisco, CA, USA, ¹³University of Miami Health System, Miami, FL, USA, ¹⁴University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, ¹⁵Children's Hospital Los Angeles, Los Angeles, CA, USA, ¹⁶CHOP, Philadelphia, PA, USA, ¹⁷MUSC, Charleston, SC, USA, ¹⁸Orlando Health Arnold Palmer Hospital for Children, Orlando, FL, USA, ¹⁹Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA, ²⁰University of Chicago, Medicine, Chicago, IL, USA, ²¹University of Wisconsin SMPH, Madison, WI, USA, ²²University of California - San Francisco, San Francisco, CA, USA, ²³McGovern Medical School at UTHealth Houston, Houston, TX, USA, ²⁴Department of Surgery, University of Colorado Denver School of Medicine and Division of Pediatric Surgery, Children's Hospital Colorado, Denver, CO, USA, ²⁵UC Davis Children's Hospital, Sacramento, CA, USA, ²⁶Phoenix Childrens, Phoenix, AZ, USA

S136**DOES SURGEON YEARLY VOLUME AFFECT RECURRENCE RATES AFTER INGUINAL HERNIA REPAIR**

Kathleen Heller, MD, MS¹, Brielle Ochoa, MD², Stephanie F. Brierley, MD¹, Amir Alhajjat, MD³, Emily Byrd, MD PhD⁴, Stephanie D. Chao, MD⁵, Matthew S. Clifton, MD⁶, Christopher Clinker⁷, Jose L. Diaz-Miron, MD⁸, Elizabeth A. Fialkowski, MD⁹, Yigit S. Guner, MD, MSc¹⁰, Nutan B. Hebballi, PhD¹¹, Alexandra Highet, MD¹², Carlos T. Huerta, MD¹³, Aaron R. Jensen, MD MED MS FAAP FACS¹⁴, Devashish Joshi, MD¹⁵, Lorraine I. Kelley-Quon, MD MSHS¹⁶, Pablo Laje, MD¹⁷, Aaron P. Leshner, MD¹⁸, Steven T. Papastefan, MD³, Eduardo A. Perez, MD¹³, Warren C. Rehrer, MD¹⁹, Katie Russell, MD²⁰, Blynn Shideler, MD²¹, Bethany J. Slater, MD, MBA²², Michael Stellan²³, Caroline Stephens, MD, MPH²⁴, Krysta M. Sutyak, DO²⁵, Cristine S. Velazco, MD, MS, FACS¹⁹, Nell T. Weber²⁶, Minna M. Wieck, MD²⁷, Benjamin Padilla, MD²⁸

¹Phoenix Children's Hospital, Phoenix, AZ, USA, ²Phoenix Childrens Hospital, Department of Surgery, Phoenix, AZ, USA, ³Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁴Oregon Health & Science University, Portland, OR, USA, ⁵Stanford University School of Medicine, Palo Alto, CA, USA, ⁶Emory University/CHOA, Atlanta, GA, USA, ⁷University of Utah School of Medicine, Salt Lake City, UT, USA, ⁸University of Colorado / Children's Hospital Colorado, Aurora, CO, USA, ⁹Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, ¹⁰Children Hospital of Orange County, Orange, CA, USA, ¹¹McGovern Medical School at The University of Texas Health Science Center at Houston, Houston, TX, USA, ¹²UCSF, San Francisco, CA, USA, ¹³University of Miami Health System, Miami, FL, USA, ¹⁴UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA, ¹⁵University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, ¹⁶Children's Hospital Los Angeles, Los Angeles, CA, USA, ¹⁷CHOP, Philadelphia, PA, USA, ¹⁸MUSC, Charleston, SC, USA, ¹⁹Orlando Health Arnold Palmer Hospital for Children, Orlando, FL, USA, ²⁰Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA, ²¹Duke University, Durham, NC, USA, ²²University of Chicago, Medicine, Chicago, IL, USA, ²³University of Wisconsin SMPH, Madison, WI, USA, ²⁴University of California - San Francisco, San Francisco, CA, USA, ²⁵McGovern Medical School at UTHealth Houston, Houston, TX, USA, ²⁶Department of Surgery, University of Colorado Denver School of Medicine and Division of Pediatric Surgery, Children's Hospital Colorado, Denver, CO, USA, ²⁷UC Davis Children's Hospital, Sacramento, CA, USA, ²⁸Phoenix Childrens, Phoenix, AZ, USA

S137**MANAGEMENT OF PEDIATRIC TRAUMATIC HEMOTHORAX AND VOLUME THRESHOLD FOR CHEST TUBE PLACEMENT: MULTICENTER PEDIATRIC TRAUMA CENTER RETROSPECTIVE ANALYSIS**

Christopher Knapp, MD¹, Kathleen Heller, MD, MS², Stephanie F. Brierley, MD², R Scott Eldredge, MD³, Erica Whetten, DNP⁴, Emalee M. Orcutt, BS⁵, Mattison Stewart², Rebecca Payne⁶, Connor Park⁷, Peter Halligan⁸, Cory Pfeifer, MD, MBA, MPH, MS⁹, Justin Lee, MD³

¹Valleywise Health Medical Center, Phoenix, AZ, USA, ²Phoenix Children's Hospital, Phoenix, AZ, USA, ³Phoenix Children's, Phoenix, AZ, USA, ⁴Valleywise Health, Chandler, AZ, USA, ⁵Phoenix Children's, Gilbert, AZ, USA, ⁶Phoenix Children's, Mesa, AZ, USA, ⁷Creighton University School of Medicine, Phoenix, AZ, USA, ⁸Creighton University School of Medicine Phoenix, Tempe, AZ, USA, ⁹Phoenix Childrens, Phoenix, AZ, USA

S129**IDENTIFYING PREDICTORS OF RECURRENT PILONIDAL DISEASE IN ADOLESCENTS AND YOUNG ADULTS: SECONDARY ANALYSIS OF A RANDOMIZED CONTROLLED TRIAL**

Alexa G. Turpin, MD¹, Lindsey Asti, PhD, MPH², Carley Lutz, BS³, Jennifer Cooper, PhD³, Lindsay Gil, MD, MPH³, Cory N. Criss, MD³, Katherine J. Deans, MD, MHSc², Peter C. Minneci, MD, MHSc²

¹Nemours Children's Health - Delaware Valley, Pedricktown, NJ, USA, ²Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ³Nationwide Children's Hospital, Columbus, OH, USA

5:30 p.m. – 7:00 p.m. Global Engagement Reception & Networking

5:35 p.m. – 7:00 p.m. Free Time

7:00 p.m. – 9:00 p.m. Welcome Reception

General Sessions

6:00 a.m. – 7:30 a.m.	Continental Breakfast for Attendees
6:00 a.m. – 6:00 p.m.	Registration Desk Hours
6:00 a.m. – 6:00 p.m.	Speaker Ready Room Hours
6:15 a.m. – 7:15 a.m.	Membership Committee Meeting
6:15 a.m. – 7:15 a.m.	Pediatric Surgery Research Collaborative Meeting
6:15 a.m. – 7:15 a.m.	Pediatric Surgical Oncology Consortium (PSORC)
6:15 a.m. – 7:15 a.m.	Workforce Committee Meeting
6:30 a.m. – 4:00 p.m.	Exhibit Hall Open
6:30 a.m. – 6:30 p.m.	Lactation Room
6:30 a.m. – 7:30 a.m.	SOAPPS Executive Committee Meeting
7:00 a.m. – 10:00 a.m.	Companion Hospitality Suite

Compressive Syndromes in Pediatric Vascular Surgery

7:30am – 8:30am

Moderators

Regan F. Williams, MD, MS, University of Tennessee Medical Center, Memphis, Memphis, TN, USA

David H. Rothstein, MD, MS, Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA

Chat Monitor

Erin West, DO, Department of Surgery, Naval Medical Center, San Diego, CA, USA

Speakers

Dawn Coleman, MD, DO, Duke University, Durham, NC, USA

Grace Z. Mak, MD, Comer Children's Hospital, University of Chicago, Chicago, IL, USA

John White, MD, Advocate Health, Lake Forest, IL, USA

Natalie A. Drucker, MD, University of Texas Health Science Center at Houston, Houston, TX, USA

Plenary 2 - Clinical/Societal

8:30am – 10:00am

Moderators

Andreas H. Meier, MD, MEd, Dr med, State University Of New York Upstate Medical University, Syracuse, NY, USA

Melissa E. Danko, MD, Children's Healthcare of Atlanta/Emory University, Atlanta, GA, USA

Chat Monitor

Jason S. Frischer, MD, Cincinnati Children's Hospital, Cincinnati, OH, USA

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PRACTICE PATTERNS IN ESOPHAGEAL ATRESIA SURVEILLANCE- A MULTI-CENTER, RETROSPECTIVE REVIEW FROM A REGIONAL CONSORTIUM

Elizabeth J. Hughes, MD¹, Malcolm N. Hamilton-Hall, BA², Dana Jungbauer, MD³, Christine Finck, MD⁴, Benjamin Zendejas, MD, MSc⁵, William Middlesworth, MD⁶, Julie Khlevner, MD⁷, Robert T. Russell, MD, MPH⁸, Shaun M. Kunisaki, MD, MSc⁹, Samuel M. Alaish, MD⁹, Corey Baker, MD¹⁰, Cornelia Griggs, MD¹¹, Stefan Scholz, MD¹², Afif N. Kulaylat, MD, MSc¹³, Hanna Alemayehu, MD¹⁴, Benjamin Gold, MD¹⁵, Kenneth Ng, DO¹⁶, Matthew A. Hornick, MD¹⁷, Chandler A. Annesi, MD¹⁸, Jessica Yasuda, MD¹⁹, Christian Welch, BA⁶, Shanquell Dixon, MD²⁰, Swathi R. Raikot, BS²¹, Punit Jhaveri, MD¹³, Alicia Greene, DO¹³, Jamie Robinson, MD, MS, PhD²², Jordan Busing, MD²³, Jason O. Robertson, MD, MS²⁴, Kristen Critelli, MD²⁵, Cecilia Gigena, MD²⁶, Alyssa E. Stetson, n/a²⁷, On Behalf of the M. Eastern Pediatric Surgery Network, MD, MSc²⁸, Leslie Knod, MD²⁹

¹Connecticut Children's Medical Center/ University of Connecticut Health, Hartford, CT, USA, ²University of Connecticut School of Medicine, Farmington, CT, USA, ³Connecticut Children's, Hartford, CT, USA, ⁴Connecticut Children's Medical Center, Farmington, CT, USA, ⁵Boston Children's Hospital, Boston, MA, USA, ⁶New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, ⁷Columbia University Medical Center, New York, NY, USA, ⁸Children's of Alabama, Birmingham, AL, USA, ⁹Johns Hopkins, Baltimore, MD, USA, ¹⁰Connecticut Children's Medical Center, Hartford, CT, USA,

¹¹Mass General Brigham, Boston, MA, USA, ¹²UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ¹³Pennsylvania State University, University Park, PA, USA, ¹⁴Emory University School of Medicine and Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁵Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁶Johns Hopkins Medical Center, Baltimore, MD, USA, ¹⁷Yale New Haven Children's Hospital, New Haven, CT, USA, ¹⁸University of Alabama at Birmingham, Birmingham, AL, USA, ¹⁹Boston Children's, Boston, MA, USA, ²⁰Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA, ²¹Children's Healthcare of Atlanta, Atlanta, GA, USA, ²²Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA, ²³Monroe Carell Jr. Children's Hospital at Vanderbilt University Medical Center, Nashville, TN, USA, ²⁴Cleveland Clinic Children's, Cleveland, OH, USA, ²⁵UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, ²⁶Cleveland Clinic Children's Hospital, Cleveland, OH, USA, ²⁷Massachusetts General Hospital, Boston, MA, USA, ²⁸Eastern Pediatric Surgery Network, Baltimore, MD, USA, ²⁹Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA

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BALANCING SUSTAINABILITY AND SAFETY: REDUCING HVAC CYCLING IN OPERATING ROOMS WITHOUT INCREASING INFECTION RISK

Alison Lehane, MD¹, Anna O'Donnell, RN¹, Amanda Bonebrake, MPH¹, Joseph Fishbein, MPH¹, Mallory Perez, MD¹, Mehul V. Raval, MD MS², Ayelet Rosenthal, MD¹

¹Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ²Lurie Children's Hospital of Chicago, Chicago, IL, USA

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PREOPERATIVE CONSIDERATIONS & EARLY OUTCOMES IN GASTROJEJUNOSTOMY TUBE PLACEMENT VS FUNDOPLICATION FOR TREATMENT OF GASTROESOPHAGEAL REFLUX: RESULTS FROM A MULTI-INSTITUTIONAL RESEARCH COLLABORATIVE

Discussant: George W. Holcomb, III, MD, MBA, Vanderbilt University Medical Center, Nashville, TN, USA

Tania Gennell, MD¹, Chunhui Wang, MD, MPH², Paul Kurlansky, MD², Myron Allukian, MD³, Shaun M. Kunisaki, MD, MSc⁴, Cornelia Griggs, MD⁵, Leslie Knod, MD⁶, Samantha M. Koenig, MD, MPH⁷, Goeto Dantes, MD⁸, Alya Barq, MD⁹, Dana Jungbauer, MD¹⁰, Ashley Carducci¹¹, Isa DeLaura¹², Alicia Greene, DO¹³, Meredith Achey, MD¹⁴, Benjamin Herron¹⁵, Mary Camacho¹⁵, Katherine He¹⁶, Shelby Sferra, MD, MPH², Kyra M. Halbert-Elliott, BS¹⁷, JoAnn C. DeRosa, BSN, RN¹⁸, Rosa Hwang, BS¹⁹, Henry Delcarmen³, Min She²⁰, Bella Kane²¹, James Moon²², Afif N. Kulaylat, MD, MSc¹³, Robin T. Petroze, MD MPH²³, Matthew T. Santore, MD¹⁵, Sean E. McLean, MD²⁴, Robert T. Russell, MD, MPH²⁵, Elisabeth T. Tracy, MD²⁶, Aaron M. Lipskar, MD²⁷, Jeffrey W. Gander, MD²⁸, Stefan Scholz, MD²⁹, Shawn J. Rangel, MD MSCE³⁰, Matthew S. Clifton, MD³¹, Matthew A. Hornick, MD³², Christina Feng, MD³³, Jamie Robinson, MD, MS, PhD³⁴, Nicole M. Chandler, MD³⁵, Jennifer R. DeFazio, MD², On Behalf of the M. Eastern Pediatric Surgery Network, MD, MSc³⁶, George W. Holcomb, MD, MBA³⁷

¹Morgan Stanley Children's Hospital, Columbia University Irving Medical Center, New York, NY, USA, ²Columbia University, New York City, NY, USA, ³CHOP, Philadelphia, PA, USA, ⁴Johns Hopkins, Baltimore, MD, USA, ⁵Mass General Brigham, Boston, MA, USA, ⁶Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA, ⁷University of Alabama at Birmingham, Children's of Alabama, Birmingham, AL, USA, ⁸Emory University/Children's Healthcare of Atlanta, Atlanta, GA, USA, ⁹University of Florida Shands Hospital, Gainesville, FL, USA, ¹⁰Connecticut Children's, Hartford, CT, USA, ¹¹Connecticut Children's, Westport, CT, USA, ¹²Duke Children's, Durham, NC, USA, ¹³Pennsylvania State University, University Park, PA, USA, ¹⁴Vanderbilt University Medical Center, Nashville, TN, USA, ¹⁵CHOA, Atlanta, GA, USA, ¹⁶BCH, Boston, MA, USA, ¹⁷Johns Hopkins University School of Medicine, Baltimore, MD, USA, ¹⁸Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, ¹⁹Children's Hospital of Philadelphia, Philadelphia, PA, USA, ²⁰UPMC, Pittsburgh, PA, USA, ²¹Children's National, Washington, DC, USA, ²²Cohen Children's, Queens, NY, USA, ²³C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA, ²⁴University of North Carolina-Chapel Hill, Chapel Hill, NC, USA, ²⁵Children's of Alabama, Birmingham, AL, USA, ²⁶Department of Pediatric Surgery, Duke University Medical Center, Durham, North Carolina, Durham, NC, USA, ²⁷Cohen Children's Medical Center/Northwell Health, New Hyde Park, NY, USA, ²⁸UVA, Charlottesville, VA, USA, ²⁹UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ³⁰Boston Children's Hospital, Boston, MA, USA, ³¹Emory University/CHOA, Atlanta, GA, USA, ³²Yale New Haven Children's Hospital, New Haven, CT, USA, ³³Children's National Hospital, Washington, DC, USA, ³⁴Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA, ³⁵Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, ³⁶Eastern Pediatric Surgery Network, Baltimore, MD, USA, ³⁷Children's Mercy Hospital, Kansas City, MO, USA

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POSTOPERATIVE PROPHYLAXIS USE AND OUTCOMES IN CHILDREN UNDERGOING NON-EMERGENT COLORECTAL SURGERY

Kerri A. McKie, MD MPH¹, Dionne A. Graham, PHD², Haley B. Etskovitz, DO, MBS², Prathima Nandivada, MD², Shawn J. Rangel, MD MSCE¹

¹Boston Children's Hospital, Boston, MA, USA, ²Boston Children's Hospital, Boston, MA, USA

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TEENAGE APPENDICITIS: THE COST OF A TRANSFER

Discussant: Richard G. Weiss, MD, Connecticut Children's Medical Center, Hartford, CT, USA.

Jennifer M. Schuh, MD¹, Emmanuel L. Abebrese, MD¹, Kendall R. Schlueter, AS², Carisa Bergner, PhD³, Jose H. Salazar, MD, PhD¹

¹Medical College of Wisconsin, Milwaukee, WI, USA, ²Washington and Lee University, Warrenton, VA, USA, ³Children's Wisconsin, Milwaukee, WI, USA

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HOMICIDE AT HOME: AN ANALYSIS OF NATIONAL CHILD FIREARM-RELATED DEATHS

Jordan M. Rook, MD¹, Savannah Walker, MD², Whitney Orji, MD MS³, Sindhu V. Mannava, MD MS⁴, Sarah D. King, DO, MSc, MA⁵, Heather Hartman, MD⁶, Leslie Knod, MD⁷, Joanne E. Baerg, MD⁸, Garret Zallen, MD⁹, Marion C. W Henry, MD, MPH¹⁰, Cornelia Griggs, MD¹¹, Brian A. Coakley, MD, FACS, FAAP, Dipl ABOM¹², Catherine J. Juillard, MD MPH³, Bindi Naik-Mathuria, MD MPH¹³

¹Department of Surgery, UCLA David Geffen School of Medicine, Los Angeles, CA, USA, ²Arkansas Children's Hospital, Little Rock, AR, USA, ³UCLA David Geffen School of Medicine, Los Angeles, CA, USA, ⁴Indiana University School of Medicine, Indianapolis, IN, Kentwood, MI, USA, ⁵Department of Surgery, University of Michigan, Royal Oak, MI, USA, ⁶Division of Pediatric Surgery, Nemours Children's Hospital, Wilmington, DE, USA, ⁷Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA, ⁸Division of Pediatric Surgery, Presbyterian Health Services and Univ of New Mexico, Foothill Ranch, CA, USA, ⁹PeaceHealth Medical Center Springfield Oregon and Shriner's Hospital, Portland, OR, USA, ¹⁰University of Chicago, Chicago, IL, USA, ¹¹Mass General Brigham, Boston, MA, USA, ¹²New York, NY, USA, ¹³Division of Pediatric Surgery, University of Texas Medical Branch, Galveston, TX, USA

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OUTCOMES OF PEDIATRIC GANGLIONEUROMA: A PEDIATRIC SURGICAL ONCOLOGY RESEARCH COLLABORATIVE (PSORC) STUDY

Matthew T. Parrish, MD¹, Amy Glasgow, MHA², Stephanie F. Polites, MD, MPH³, Marcus M. Malek, MD⁴, Barrett P. Cromeens, DO, PhD⁵, Lucas A. McDuffie, MD⁶, Timothy B. Lautz, MD⁷, Roshni Dasgupta, MD, MPH⁸, Sara A. Mansfield, MD⁹, Daniel S. Rhee, MD¹⁰, Zachary J. Kastenber, MD, MS¹¹, Erika A. Newman, MD¹², Jonathan Roach, MD¹³, Hari Thangarajah, MD, MPH¹⁴, Natashia Seemann, MD, MSc¹⁵, Brian T. Craig, MD¹⁶, Nelson Piche, MD¹⁷, Danielle B. Cameron, MD, MPH¹⁸, Shannon L. Castle, MD¹⁹, Aodhnait S. Fahy, BMBCh, PhD²⁰, Erin G. Brown, MD²¹, Hafeez Abdelhafeez, MD²², Hau D. Le, MD²³, Kimberly J. Riehle, MD²⁴, Barrie Rich, MD²⁵, Elisabeth T. Tracy, MD²⁶, Christa Grant, MD²⁷, Eugene S. Kim, MD²⁸, Chloé Boehmer, MA⁸, Denise B. Klinkner, MD, MEd²⁹

¹Mayo Clinic, Rochester MN, Rochester, MN, USA, ²Robert D and Patricia E. Kern Center for the Sciences of Health Care Delivery, Mayo Clinic, Rochester, MN, USA, Rochester, MN, USA, ³Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, ⁴Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, ⁵Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN, Indianapolis, IN, USA, ⁶Doernbecher Children's Hospital Oregon Health & Science University, Portland, OR, Portland, OR, USA, ⁷Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁸Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA, ⁹Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA, ¹⁰Division of Pediatric Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, Baltimore, MD, USA, ¹¹Department of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake City, UT, USA, ¹²C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA, ¹³Department of Pediatric Surgery, Children's Hospital of Colorado, Denver, Colorado, Aurora, CO, USA, ¹⁴Division of Pediatric Surgery, Rady Children's Hospital, UC San Diego School of Medicine, San Diego, CA, San Diego, CA, USA, ¹⁵Division of Pediatric Surgery, Children's Hospital, London Health Sciences Centre, London, ON, Canada, London, ON, Canada, ¹⁶Division of Pediatric Surgery, Medical College of Wisconsin, Children's Wisconsin, Milwaukee, WI, Milwaukee, WI, USA, ¹⁷Division of Pediatric Surgery, Centre Hospitalier Universitaire Ste-Justine, Université de Montréal, Montréal, Québec, Canada, Montreal, PQ, Canada, ¹⁸Division of Pediatric Surgery, Department of Surgery, Massachusetts General Hospital, Boston, MA, Boston, MA, USA, ¹⁹Division of Pediatric Surgery, Valley Children's Hospital, Madera, CA, Madera, CA, USA, ²⁰Division of Pediatric Surgery, Penn State Children's Hospital, Hershey, PA, Hershey, PA, USA, ²¹Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA, ²²Department of Surgery, St Jude Children's Research Hospital, Memphis, TN, Memphis, TN, USA, ²³Division of Pediatric Surgery, American Family Children's Hospital, University of Wisconsin School of Medicine and Public Health, Madison, WI, Madison, WI, USA, ²⁴Division of Pediatric General and Thoracic Surgery, Seattle Children's Hospital, Seattle WA, Seattle, WA, USA, ²⁵Donald and Barbara Zucker School of Medicine, New Hyde Park, NY, USA, ²⁶Department of Pediatric Surgery, Duke University Medical Center, Durham, North Carolina, Durham, NC, USA, ²⁷New York Medical College, Valhalla, NY, Valhalla, NY, USA, ²⁸Division of Pediatric Surgery, Cedars-Sinai Medical Center, Los Angeles, CA, Los Angeles, CA, USA, ²⁹Department of Surgery, Division of Pediatric Surgery, Mayo Clinic, Rochester, MN, USA, Rochester, MN, USA

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IMPACT OF TIMING OF INGUINAL HERNIA REPAIR ON NEUROCOGNITIVE OUTCOMES IN PRETERM NEONATES

Jeannette M. Joly, MD¹, Krysta M. Sutyak, DO¹, Andrea Krzyzaniak, MA², Claudia Pedroza, PhD¹, Susan R. Hintz, MD, MS³, Kevin P. Lally, MD, MS¹, Martin L. Blakely, MD MS MMHC¹

¹McGovern Medical School at UTHHealth Houston, Houston, TX, USA, ²Scripps Mercy Hospital San Diego, San Diego, CA, USA, ³Stanford University School of Medicine, Palo Alto, CA, USA

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NOT LIKE OUR NEIGHBOR: CROSS-NATIONAL COMPARISON OF PEDIATRIC FIREARM INJURY IN THE U.S. AND CANADA

Jaclyn R. Dempsey, MD, MS¹, Abbas A. Karim, BS², Neha Momin, BS¹, Joanne E. Baerg, MD³, Kenneth W. Gow, MD⁴, Kirk Reichard, MD, MBA⁵, Leslie Knod, MD⁶, Marion C. W Henry, MD, MPH⁷, Bindi Naik-Mathuria, MD MPH⁸

¹University of Texas Medical Branch, Galveston, TX, USA, ²University of Texas Medical Branch John Sealy School of Medicine, Sugar Land, TX, USA, ³Division of Pediatric Surgery, Presbyterian Health Services and Univ of New Mexico, Foothill Ranch, CA, USA, ⁴Stony Brook University Hospital, Stony Brook, NY, USA, ⁵Nemours Children's Hospital Delaware, Wilmington, DE, USA, ⁶Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA, ⁷University of Chicago, Chicago, IL, USA, ⁸Division of Pediatric Surgery, University of Texas Medical Branch, Galveston, TX, USA

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CHANGES IN HEALTHCARE UTILIZATION AND SURGICAL NEEDS OF INFANTS IN TEXAS FOLLOWING EARLY ABORTION BAN (SENATE BILL 8, SB8)

Discussant: Mary L. Brandt, MD, MDiv, Baylor College of Medicine, Houston, TX, USA

Shannon M. Larabee, MD¹, Kathleen Hosek¹, Sarah E. Peiffer, MD¹, Bae Jeon¹, Sundeep G. Keswani, MD², Timothy Lee, MD¹, Alice King, MD¹, Mary Brandt¹

¹Texas Children's Hospital, Houston, TX, USA, ²Baylor College of Medicine, Houston, TX, USA

10:00 a.m. – 10:20 a.m. Refreshment Break

APSA M.O.R.E. Leadership Academy Updates (Maximizing Opportunities: Road to Excellence)

10:20am – 10:45am

Moderator

Cynthia D. Downard, MD, MMSc, Hiram C. Polk, Jr, MD Department of Surgery, University of Louisville, Norton Children's Hospital, Louisville, KY, USA

Chat Monitor

Erin West, DO, Department of Surgery, Naval Medical Center, San Diego, CA, USA

APSA Video Library

Moiz M. Mustafa, MD, MS, Joe DiMaggio Children's Hospital, Hollywood, FL, USA
Hannah Piper, MD, Division of Pediatric Surgery, University of British Columbia/BC Children's Hospital, Vancouver, BC, Canada, Vancouver, BC, Canada
Brian C. Gulack, MD MHS, Rush University Medical Center, Chicago, IL, USA

Pediatric ECMO, Ethics, and the Pediatric Surgeon

Baddr A. Shakhsher, MD, University of Chicago, Chicago, IL, USA
Paul Jeziorczak, MD,
Sabina Siddiqui, MD, KidGloves, PLLC, Springdale, AR, USA
Andrew Yeh, MD, Washington University in St Louis, St Louis, MO, USA

Trauma Update - Tiny Warriors: The Latest in Pediatric Trauma Care

10:45am – 11:15am

Moderators

Regan F. Williams, MD, MS, University of Tennessee Medical Center, Memphis, Memphis, TN, USA
Michael W. Dingeldein, MD, Rainbow Babies and Children Hospital, Cleveland, OH, USA

Chat Monitor

Erin West, DO, Department of Surgery, Naval Medical Center, San Diego, CA, USA

Post-Traumatic Stress Disorder in the Pediatric Trauma Patient: What the Trauma Team Needs to Know

Stephanie D. Chao, MD, Stanford University School of Medicine, Palo Alto, CA, USA

Variable Management of Pediatric Blunt Renal Trauma: A Multicenter Retrospective Cohort Study

Matthew P. Landman, MD, Division of Pediatric Surgery, Department of Surgery, Indiana University School of Medicine, Indianapolis, IN, USA

Tighten Up: Use of Tourniquets in Pediatric Trauma Patients

John M. Draus, MD, Wolfson Children's Hospital, Jacksonville, FL, USA

PECARN Cervical Spine Injury Prediction Rule

Lucas A. McDuffie, MD, Doernbecher Children's Hospital Oregon Health & Science University, Portland, OR, Portland, OR, USA

CAB over ABC

Ramin Jamshidi, MD, Phoenix Children's, Phoenix, AZ, USA

TEC (Top Educational Content) Talk: Application of TEG in Pediatric Surgery

11:15am – 11:30am

Lucas P. Neff, MD, Atrium Health Wake Forest Baptist, Winston Salem, NC, USA

Introducer

Robert L. Ricca, MD, Pennsylvania State University, Hershey, PA, USA

Chat Monitor

Erin West, DO, Department of Surgery, Naval Medical Center, San Diego, CA, USA

Keynote Address: Influence of My Ancestors, Vivien Thomas and Surgical Mentors to a Joyful Career in Pediatric Surgery and Higher Education

11:30am – 12:30pm

Learning Objectives

- The Power of Education
- Lessons learned from Family, Vivien Thomas and Surgical Mentors
- Becoming Comfortable taking Risk for the Greater Good

Francisco G. Cigarroa, MD, University of Texas Health Science Center San Antonio, San Antonio, TX, USA

Introducer

Thomas F. Tracy, MD MBA, Portsmouth, RI, USA

Chat Monitor

Erin West, DO, Department of Surgery, Naval Medical Center, San Diego, CA, USA

12:30 p.m. – 2:00 p.m.

Lunch on Own

Benjy Brooks Program and Lunch - Career Transitions for Pediatric Surgeons – Exploring Leadership and New Opportunities

12:30pm – 2:00pm

Moderator

Marion C. W Henry, MD, MPH, University of Chicago, Chicago, IL, USA

Speakers

Claudia N. Emami, MD MBA MPH, Memorial Health University Center, HCA Healthcare, Savannah, GA, USA

Mary Brindle, MD, MPH, FRCSC, Alberta Children's Hospital, University of Calgary, Calgary, AB, Canada

Donna A. Caniano, MD, Accreditation Council for Graduate Medical Education (ACGME), Williamsburg, VA, USA

Grosfeld Scholar Presentations

2:00pm – 2:30pm

Moderators

Mary E. Fallat, MD, Hiram C. Polk, Jr, MD Department of Surgery, University of Louisville, Norton Children's Hospital, Louisville, KY, USA
Erin E. Perrone, MD, University of Michigan, Ann Arbor, MI, USA

Chat Monitor

Marion C. W Henry, MD, MPH, University of Chicago, Chicago, IL, USA

Epigenetics of Failed Trophoblast Invasion in Fetal Growth Restriction

S. Christopher Derderian, MD, Children's Hospital of Colorado, Denver, CO, USA

Learning Objective

- Examine the critical role of microRNAs in suppressing trophoblast invasion in fetal growth restriction.

Targeted Cellular Delivery of miR-124 for Neuroblastoma Treatment

Erin G. Brown, MD, Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA

Learning Objectives

- Understand the impact of microRNA-124 on neuroblastoma cell viability in vitro and in vivo.
- Investigate potential synergism with miR treatment and existing chemotherapy.
- Explore novel approaches to targeted drug delivery.

Innovation in Process and Technology to Address Health Disparities While Reducing Clinician Burden for Families of Children Receiving Gastrostomy Tubes

Shannon Acker, MD, Children's Hospital of Colorado, Aurora, CO, USA

Learning Objective

- Describe benefits and limitations of standardized, self-service web-based perioperative education for families of children receiving gastrostomy tubes.
-

APSA M.O.R.E. Leadership Academy Updates (Maximizing Opportunities: Road to Excellence)

2:30pm – 2:50pm

Moderator

Cynthia D. Downard, MD, MMSc, Hiram C. Polk, Jr, MD Department of Surgery, University of Louisville, Norton Children's Hospital, Louisville, KY, USA

Chat Monitor

Marion C. W Henry, MD, MPH, University of Chicago, Chicago, IL, USA

Moderators

Kenneth W. Gow, MD, Stony Brook University Hospital, Stony Brook, NY, USA
Cynthia D. Downard, MD, MMSc, Hiram C. Polk, Jr, MD Department of Surgery, University of Louisville, Norton Children's Hospital, Louisville, KY, USA

Chat Monitor

Jason S. Frischer, MD, Cincinnati Children's Hospital, Cincinnati, OH, USA

Maximizing Opportunities for Underrepresented Surgeon Speakers

Sabina Siddiqui, MD, KidGloves, PLLC, Springdale, AR, USA
Paul Jeziorczak, MD

Senior Surgeon Mentor

Barrie Rich, MD, Donald and Barbara Zucker School of Medicine, New Hyde Park, NY, USA
Jennifer R. DeFazio, MD, Columbia University, New York City, NY, USA
Shahab Shaffiey, MD, MSc, Miami Associates In Pediatric Surgery, Miami, FL, USA

Quickshot 1 – Potpourri

3:00pm – 3:45pm

Moderators

Bethany J. Slater, MD, MBA, University of Chicago, Medicine, Chicago, IL, USA
Drew A. Rideout, MD, PhD, Tampa Pediatric Surgery, FL, USA

Chat Monitor

Kathleen Heller, MD, MS, Phoenix Children's Hospital, Phoenix, AZ, USA

Q1**THE MYTH OF TACHYPHYLAXIS WITH LONG-TERM USE OF SENNA-BASED LAXATIVES: A SINGLE-CENTER RETROSPECTIVE REVIEW**

Vatche J. Melkonian, DO¹, Edgar Alzate, MD², Sergio Alzate-Ricourte, MD², Luis De La Torre, MD³, Jill Ketzner, BS³, Alberto Pena, MD³, Andrea Bischoff, MD³

¹Children's Mercy Hospital, Kansas City, MO, USA, ²Fundacion Valle del Lili, Cali, Valle del Cauca, Colombia, ³International Center for Colorectal and Urogenital Care at Children's Hospital of Colorado, Aurora, CO, USA

Q2**TWIST AND SHOUT, BUT DON'T TAKE IT OUT: A NSQIP-P ANALYSIS OF PEDIATRIC SURGEONS' PRACTICES FOR OVARIAN TORSION FROM 2016-2022**

John M. Woodward, MD¹, Katherine Foote, n/a², Melanie Y. Tacher Otero¹, Krystle Bittner, MPH³, Andrew Nordin⁴, Peter Kim⁵, Carroll M. Harmon, MD PhD⁶, Phillip Benson Ham, MD, MS⁷

¹University at Buffalo General Surgery, Buffalo, NY, USA, ²Jacobs School of Medicine and Biomedical Sciences, Buffalo, NY, USA, ³John R. Oishei Children's Hospital, Spencerport, NY, USA, ⁴John R. Oishei Children's Hospital, Buffalo, NY, USA, ⁵University at Buffalo, Buffalo, NY, USA, ⁶John R. Oishei Children's Hospital, Buffalo, NY, USA, ⁷John R. Oishei Children's Hospital, Division of Pediatric Surgery, State University of New York, University at Buffalo, Buffalo, NY, USA

Q3**PERIOPERATIVE OPIOID USE IN NEURODIVERGENT VS. NEUROTYPICAL PATIENTS: A COMPARATIVE ANALYSIS**

Leigh Selesner, MD, Amalia Larsen, BS, Daniel Labuz, MD, Sanjay Krishnaswami, MD, Julie McKee, RN, MS, CPNP-AC/PC, Benjamin D. Carr, M.D.

Oregon Health & Science University, Portland, OR, USA

Q4**SOCIAL DETERMINANTS OF HEALTH SCREENING RESPONSES AND PEDIATRIC SURGICAL OUTCOMES**

Nicole H. Chicoine, DO¹, Dwight Barry, PhD¹, Hannah Cockrell, MD¹, Sarah Greenberg, MD MPH FACS FAAP²

¹Seattle Children's Hospital, Seattle, WA, USA, ²Seattle Children's Hospital, Seattle, WA, USA

Q5**DECREASING BURN CARE BURDEN: REDUCING DRESSING FREQUENCY AND OPIOID PRESCRIPTIONS WITH ADVANCED THERAPIES IN PARTIAL THICKNESS PEDIATRIC BURNS**

Krysta M. Sutyak, DO¹, Jeannette M. Joly, MD¹, Thian H. Nguyen, PA-C², Macie Boden, PA-C², Christina Morice, PA-C², Jack J. Strubel, BA¹, Victor M. Ringheanu, BA¹, Molly Anapolsky¹, KuoJen Tsao, MD², Natalie A. Drucker, MD²

¹McGovern Medical School at UTHHealth Houston, Houston, TX, USA, ²University of Texas Health Science Center at Houston, Houston, TX, USA

Q6**GUT CHECK: DOES A SUBJECTIVE TRIGGER FOR CHILD ABUSE SCREENING RESULT IN DISCRIMINATION?**

Madison Bruce, MD¹, Melody Zeidan, MD, JD¹, Ashleigh Bowman, DNP¹, Aaron Seims, MD²

¹University of South Alabama, Mobile, AL, USA, ²University of South Alabama, Fairhope, AL, USA

Q7**EFFECTS OF BODY MASS INDEX ON PEDIATRIC KIDNEY TRANSPLANT OUTCOMES**

Sara L. Lee, MD, MEng¹, Steven J. Staffa, MS², Megan Z. Chiu, MD³, David P. Critch⁴, Daniel Lim, n/a², Alex G. Cuenca, MD PhD², Heung Bae Kim, MD², Eliza J. Lee, MD²

¹Boston Children's Hospital, Brookline, MA, USA, ²Boston Children's Hospital, Boston, MA, USA, ³University Hospitals/Case Western Reserve University, Cleveland, OH, USA, ⁴Tufts Medical School, Boston, MA, USA

Q8**COMPARING LAPAROSCOPIC VERSUS OPEN LADD'S PROCEDURE IN PEDIATRIC PATIENTS: A 10-YEAR REVIEW OF THE PEDIATRIC NSQIP DATABASE**

Alexa G. Turpin, MD¹, Lindsey Asti, PhD, MPH², Marissa Carroll, BS², Peter C. Minneci, MD, MHSc²

¹Nemours Children's Health - Delaware Valley, Pedricktown, NJ, USA, ²Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

Q9**WHAT FACTORS DRIVE FEMALE PEDIATRIC GENERAL AND SUBSPECIALTY SURGEONS TO CHANGE JOBS OR LEAVE MEDICINE ALTOGETHER?**

Stephanie F. Brierley, MD¹, Brielle Ochoa, MD², Kathleen Heller, MD, MS¹, Nicolette Payne, MD³, Gwen M. Grimsby, MD¹, Kathleen van Leeuwen, MD¹

¹Phoenix Children's Hospital, Phoenix, AZ, USA, ²Phoenix Children's Hospital, Department of Surgery, Phoenix, AZ, USA, ³Mayo Clinic Arizona, Phoenix, AZ, USA

Q10**PERCUTANEOUS CHOLECYSTOCHOLANGIOGRAPHY FOR DIAGNOSING BILIARY ATRESIA AT A HIGH-VOLUME CENTER**

Christopher Nemeah, MD¹, Caitlin J. Cain-Trivette, MD², Yeu Sanz Wu, MD³, Nicholas Schmoke, MD², Mercedes Martinez, MD², Vincent P. Duron, MD⁴, Steven Stylianos, MD⁵, Pooja Reddy Spector, MD²

¹Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, Wayne, NJ, USA, ²Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, New York, NY, USA, ³Columbia University Irving Medical Center, New York, NY, USA, ⁴New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, ⁵Rutgers RWJMS - Bristol Myers Squibb Children's Hospital RWJBH, New Brunswick, NJ, USA

Q11**OUTCOMES FOLLOWING ADOPTION AND INTEGRATION OF ROBOTIC-ASSISTED CHOLECYSTECTOMY FOR BILIARY TRACT DISEASE: A SEVEN-YEAR, SINGLE-CENTER EXPERIENCE WITH 395 PATIENTS**

Joyce J. L. H McRae, MD¹, Steven L. Raymond, MD², Mark Kashtan, MD, MPH¹, Georgi Mladenov, MD¹, Rosemary Vannix, MSN¹, Vinicius Silva³, Alexandra Vacaru, BS³, Ali Mejaddam, MD¹, Faraz Ali Khan, MD⁴, Andrei Radulescu, MD, PhD¹, Donald Moores, MD¹, Edward P. Tagge, MD, MS, MBA¹

¹Loma Linda University Health, Loma Linda, CA, USA, ²University of Florida Health, Gainesville, FL, USA, ³Loma Linda University School of Medicine, Loma Linda, CA, USA, ⁴Stanford University, Palo Alto, CA, USA

Q13**PENETRATION OF EVIDENCE-BASED PRACTICES INTO PEDIATRIC APPENDECTOMY CARE**

Anna M. Lin, MD¹, Lindsey Asti, PhD, MPH², Marissa Carroll, BS², Peter C. Minneci, MD, MHSc²

¹Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ²Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

Quickshot 2 – Basic Science and Appendicitis**3:00pm – 3:45pm****Moderators**

Brian A. Coakley, MD, FACS, FAAP, Dipl ABOM, Seattle Children's Hospital, Seattle, WA, USA
Natalie O'Neill, MD, Children's Hospital of the King's Daughters, Norfolk, VA, USA

Q14**PROTEOMICS-BASED ANALYSIS OF WILMS TUMOR PATIENT-DERIVED XENOGRAFT TUMOR CELL CONDITIONS IDENTIFIES INTACT TUMOR MICROENVIRONMENT IS CRITICAL TO TUMOR GROWTH**

Daniel B. Gehle, MD¹, Carolyn Jablonowski, PhD², Prahalathan Pichavaram, PhD², Kiran Kodali, MS³, Zuo-Fei Yuan⁴, Vishwajeeth Pagala³, Anthony A. High, PhD⁵, Andrew M. Davidoff, MD², Jun Yang, MD PhD², Andrew J. Murphy, MD⁶

¹St. Jude Children's Research Hospital, Memphis, TN, USA, ²St. Jude Children's Research Hospital Department of Surgery, Memphis, TN, USA, ³St. Jude Children's Research Hospital Center for Proteomics and Metabolomics, Memphis, TN, USA, ⁴St. Jude Children's Research Hospital, Germantown, TN, USA, ⁵St. Jude Children's Research Hospital, Memphis, TN, USA, ⁶Department of Surgery, St. Jude Children's Research Hospital/Division of Pediatric Surgery, University of Tennessee Health Science Center, Memphis, TN, USA

Q15**TRANSCRIPTOMICS WITH IN SILICO CELL MAPPING HIGHLIGHTS TRANSCRIPTION FACTOR AP-2 (TFAP2A/C) ABERRATIONS IN PEDIATRIC CROHN'S BOWEL**

E. Paul Lerner, MDCM, Nazanin Arjomand Fard, MSci, John Maringa Githaka, PhD, Eytan Wine, MD PhD FRCPC, Troy E. Perry, MD PhD FRCSC

University of Alberta, Edmonton, AB, Canada

Q16**A NOVEL VIRTUAL GUT MODEL: ANTICIPATING GLUCOSE ABSORPTION RATE WITH CHANGING SMALL BOWEL ANATOMY**

Meagan Rosenberg, MD¹, Mark Roberson, PhD, PMP², Evan Chang², Raiya Patel², Callie Chang², Michael V. Tirabassi, MD, FACS, FAAP³

¹Department of General Surgery, UMass Chan-Baystate Medical Center, Springfield, MA, USA, ²Goldfinch Sensor Technologies and Analytics, Cary, NC, USA, ³Division of Pediatric Surgery, UMass Chan Medical School - Baystate, Springfield, MA, USA

Q17**UNBIASED PLASMA PROTEOMICS AND PRINCIPAL COMPONENT ANALYSIS IDENTIFIES CANDIDATE BIOMARKERS TO DISTINGUISH INJURY SEVERITY AND TYPE IN CHILDREN**

Matthew T. Parrish, MD¹, Kishore Garapati, MBBS, PhD², Seul Kee Byeon, PhD³, Julie Staub, BA⁴, Joseph Immermann, MS⁵, Akhilesh Pandey, MD, PhD⁶, Stephanie F. Polites, MD, MPH⁷

¹Mayo Clinic, Rochester MN, Rochester, MN, USA, ²Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester MN, USA, Rochester, MN, USA, ³Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN, USA, ⁴Department of Experimental Pathology and Medicine, Mayo Clinic, Rochester, MN, USA, Rochester, MN, USA, ⁵Mayo Clinic, Rochester MN, USA, ⁶Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester MN, USA and The Center for Individualized Medicine, Mayo Clinic, Rochester, MN, USA, Rochester, MN, USA, ⁷Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA

Q18**IMPACT OF HYPERGLYCEMIA ON SKELETAL MYOBLASTS: IMPLICATIONS FOR NEURAL TUBE DEFECTS ASSOCIATED WITH MATERNAL DIABETES**

SunYoung Kim, MD¹, Drayton Harvey, PhD², Ram Kumar Subramanyan, MD, PhD³

¹University of Nebraska Medical Center, Omaha, NE, USA, ²Keck School of Medicine, University of Southern California, Omaha, NE, USA, ³Children's Nebraska, Omaha, NE, USA

Q19**THE ROLE OF PHARMACOGENOMICS AND OPIOID PRESCRIBING FOR INFANTS WITH SURGICAL CONGENITAL HEART DISEASE: A SINGLE-CENTER PILOT STUDY**

Ruby Barq, MD¹, Shadassa Ourshalimian, MPH², Simran Maggo, PhD³, Olivia A. Keane, MD, MS⁴, Jenny Q. Nguyen⁵, Matthew Deardorff², Tamorah Lewis⁶, Ashwini Lakshmanan, MD, MS, MPH, FAAP⁷, Scott A. Mosley, PharmD⁸, Lorraine I. Kelley-Quon, MD MSHS²

¹Children's Hospital Los Angeles, Virginia Commonwealth University Health, Los Angeles, CA, USA, ²Children's Hospital Los Angeles, Los Angeles, CA, USA, ³School of Pharmacy, Shenandoah University, Winchester, VA, USA, ⁴Emory University School of Medicine, Atlanta, GA, USA, ⁵Children's hospital Los Angeles, Westminister, CA, USA, ⁶The Hospital for Sick Children, Toronto, ON, Canada, ⁷KPSOM, Pasadena, CA, USA, ⁸USC Mann School of Pharmacy and Pharmaceutical Sciences, Alhambra, CA, USA

Q20**DISPARITIES IN OUTCOMES AFTER PRESENTATION FOR COMPLICATED APPENDICITIS IN PEDIATRIC PATIENTS**

Kristen N. Kaiser, MD¹, Evan Abbey², Alexa A. Engel, MD³, Brian W. Gray, MD⁴, Benjamin T. Many, MD MS⁵

¹Indiana University, Indianapolis, IN, USA, ²Indiana University Department of Surgery, Indianapolis, IN, USA, ³Indiana University School of Medicine, Indianapolis, IN, Zionsville, IN, USA, ⁴Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, ⁵Riley Hospital for Children, Indiana University, Indianapolis, IN, USA

Q21**CHILDREN TRANSFERRED FROM NON-NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM-PEDIATRIC HOSPITALS REQUIRE HIGH RATES OF CROSS-SECTIONAL IMAGING TO DIAGNOSE APPENDICITIS**

Jacky Z. Kwong, MD¹, Gwyneth A. Sullivan, MD, MS², Mehul V. Raval, MD MS³, Martin L. Blakely, MD MS MMHC⁴, Ami N. Shah, MD¹, Seth D. Goldstein, MD MPhil⁵, Brian C. Gulack, MD MHS¹

¹Rush University Medical Center, Chicago, IL, USA, ²Rush University, Chicago, IL, USA, ³Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁴McGovern Medical School at UTHealth Houston, Houston, TX, USA, ⁵Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

Q22**PRE-OPERATIVE FACTORS INFLUENCING NEGATIVE APPENDECTOMY: A RETROSPECTIVE ANALYSIS OF CLINICAL CHARACTERISTICS, IMAGING AND ADMISSION PATHWAYS USING A NATIONAL DATABASE**

John M. Woodward, MD¹, Rhys Mendel², Melanie Y. Tacher Otero¹, Michael A. LaRock, MD³, Krystle Bittner, MPH⁴, Andrew Nordin⁵, Peter Kim⁶, Carroll M. Harmon, MD PhD⁷, Phillip Benson Ham, MD, MS⁸

¹University at Buffalo General Surgery, Buffalo, NY, USA, ²Jacobs School of Medicine and Biomedical Sciences, Grand Island, NY, USA, ³University at Buffalo Jacobs School of Medicine and Biomedical Sciences, Amherst, NY, USA, ⁴John R. Oishei Children's Hospital, Spencerport, NY, USA, ⁵John R. Oishei Children's Hospital, Buffalo, NY, USA, ⁶University at Buffalo, Buffalo, NY, USA, ⁷John R. Oishei Children's Hospital, Buffalo, NY, USA, ⁸John R. Oishei Children's Hospital, Division of Pediatric Surgery, State University of New York, University at Buffalo, Buffalo, NY, USA

Q24**WHAT'S BREWING IN PERFORATED APPENDICITIS? A 7-YEAR SINGLE-CENTER RETROSPECTIVE STUDY**

Korry T. Wirth, MD¹, Abigail F. Loszko, MD, MSc¹, Matthew M. Byrne, MD¹, Derek S. Wakeman, MD², Marjorie J. Arca, MD¹, Nicole A. Wilson, PhD, MD³

¹University of Rochester Medical Center, Rochester, NY, USA, ²University of Rochester Medical Center, Golisano Children's Hospital, Rochester, NY, USA, ³University of Rochester, Rochester, NY, USA

Q25**EARLY CARDIOPULMONARY RESUSCITATION AMONG INFANTS WITH CONGENITAL DIAPHRAGMATIC HERNIA**

Kylie I. Holden, MD MS¹, Ashley H. Ebanks, NP¹, Brian W. Gray, MD², Inna N. Lobeck, MD³, George B. Mychaliska, MD⁴, Tim Jancelewicz, MD, MA, MS⁵, Matthew T. Harting, MD MS⁶

¹University of Texas at Houston, Houston, TX, USA, ²Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, ³Children's Mercy Hospital - Kansas City, Leawood, KS, USA, ⁴University of Michigan, Brighton, MI, USA, ⁵Le Bonheur Children's Hospital, University of Tennessee Health Science Center, Memphis, TN, USA, ⁶University of Texas McGovern Medical School at UTHealth, Houston, TX, USA

Quickshot 3 – Neonatal**3:00pm – 3:45pm****Moderators**

Chinwendu Onwubiko, MD, PhD, Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA
Stewart R. Carter, MD, University of Louisville / Norton Children's Hospital, Louisville, KY, USA

Q26**DISPARITIES IN ACCESS TO NEONATAL AND PEDIATRIC ECMO SERVICES IN THE UNITED STATES**

April A. Carlson, MD³, Annie Giron, MD¹, Zoe E. Flyer, DO², Habiba Aziz, MSc², John Schomberg, PhD, MPH², Ana Maria Dumitru, MD, PhD⁴, Yigit S. Guner, MD, MSc⁵, Laura F. Goodman, MD, MPH², Peter T. Yu, MD, MPH², Annie Giron, MD¹

¹Children's Hospital of Orange County, Irvine, CA, USA, ²Children's Hospital of Orange County, Orange, CA, USA, ³University of California Irvine, Orange, CA, USA, ⁴Children's Hospital of Philadelphia; University of California San Diego Health, Philadelphia, PA, USA, ⁵Children Hospital of Orange County, Orange, CA, USA

Q27**EARLY AND OFTEN: HEALTHCARE UTILIZATION IN CHILDREN WITH SURGICALLY TREATABLE CONGENITAL ANOMALIES**

Danielle I. Ellis, MD MTS¹, Matt Hall, PhD², Joanne Wolfe, MD, MPH¹, Jay Berry, MD, MPH³, Jennifer Snaman, MD⁴

¹Massachusetts General Hospital, Boston, MA, USA, ²Children's Hospital Association, Lenexa, KS, USA, ³Boston Children's Hospital, Boston, MA, USA, ⁴Boston Children's Hospital/Dana Farber Cancer Institute, Boston, MA, USA

Q28**SOCIAL INEQUITIES IN PEDIATRIC ECMO OUTCOMES: ROLE OF THE CHILD OPPORTUNITY INDEX**

Caitlin J. Cain-Trivette, MD¹, **Christopher Neme**, MD², Yeu Sanz Wu, MD³, Christian Welch, BA⁴, Chunhui Wang, MD, MPH⁵, Paul Kurlansky, MD⁵, William Middlesworth, MD⁴, Vincent P. Duron, MD⁴, Eva Cheung, MD⁴

¹Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, New York, NY, USA, ²Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, Wayne, NJ, USA, ³Columbia University Irving Medical Center, New York, NY, USA, ⁴New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, ⁵Columbia University, New York City, NY, USA

Q29**PERIOPERATIVE FACTORS ASSOCIATED WITH SURGICAL SITE INFECTION FOLLOWING LAPAROTOMY IN NEONATES**

Catherine Yip, MD¹, Aaron LeVan, BS², Saran Kunaprayoon, MD², Brian A. Coakley, MD, FACS, FAAP, Dipl ABOM³

¹Mount Sinai Hospital, New York, NY, USA, ²Icahn School of Medicine Mount Sinai, New York, NY, USA, ³New York, NY, USA

Q30**PREMO: A NOVEL MULTIPARAMETER PROBE FOR PREMATURE INFANT MONITORING DURING SURGERY**

Daniel Liesman, MD¹, Steven T. Papastefan, MD², Jianlin Zhou¹, Catherine Redden³, Katherine Ott, MD³, Mingzheng Wu¹, Steffen Sammet, MD, PhD⁴, Amir Alhajjat, MD², Aimen Shaaban³

¹Northwestern University, Chicago, IL, USA, ²Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ³Ann and Robert H. Lurie Children's Hospital, Chicago, IL, USA, ⁴University of Chicago, Chicago, IL, USA

Q31**EVOLVING UTILIZATION OF INHALED NITRIC OXIDE IN CONGENITAL DIAPHRAGMATIC HERNIA OVER TIME: A NATIONAL COHORT STUDY OF 4016 INFANTS**

Anne M. Sescleifer, MD¹, Charbel Chidiac, MD², Zane J. Hellmann, MD³, Alejandro V. Garcia, MD¹, Daniel S. Rhee, MD⁴, Mark B. Slidell, MD², Daniel G. Solomon, MD⁵, Shaun M. Kunisaki, MD, MSc⁶

¹Johns Hopkins University, Baltimore, MD, USA, ²Johns Hopkins University School of Medicine, Baltimore, MD, USA, ³Yale New Haven Children's Hospital, New Haven, CT, USA, ⁴Division of Pediatric Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, Baltimore, MD, USA, ⁵Yale University School of Medicine, New Haven, CT, USA, ⁶Johns Hopkins, Baltimore, MD, USA

Q32**OUTCOMES FOLLOWING IMPLEMENTATION OF A RISK-BASED TREATMENT ALGORITHM FOR INFANTS WITH NECROTIZING ENTEROCOLITIS AND CONGENITAL HEART DISEASE**

Jordan M. Rook, MD¹, Aakrsh C. Misra², Jay Vankawala, BS¹, Whitney Orji, MD MS³, Laura Maitoza, MD⁴, Myke Federman, MD⁴, Christine Dichter, NP¹, Howard C. Jen, MD MS¹, Justin P. Wagner, MD¹

¹Department of Surgery, UCLA David Geffen School of Medicine, Los Angeles, CA, USA, ²Department of Surgery, UCLA David Geffen School of Medicine, Rancho Santa Margarita, CA, USA, ³UCLA David Geffen School of Medicine, Los Angeles, CA, USA, ⁴Department of Pediatrics, UCLA David Geffen School of Medicine, Los Angeles, CA, USA

Q33**MULTICENTER EXTERNAL VALIDATION OF METHODS TO IDENTIFY SURGICAL NECROTIZING ENTEROCOLITIS**

George S. Bethell, MBChB M, Phil MRCS¹, Hanin Tawfik², Joanne Brady², Christopher Dewhurst², Nigel J. Hall, PhD¹

¹University of Southampton, Southampton, England, United Kingdom, ²Liverpool Women's Hospital NHS Foundation Trust, Liverpool, England, United Kingdom

Q34**ELEVATED HEALTHCARE UTILIZATION AND MORTALITY IN MOTHERS OF CHILDREN WITH CONGENITAL SURGICAL ANOMALIES: A 50-YEAR POPULATION-BASED CASE-CONTROL STUDY**

Marietta Jank, MD¹, Ghazale Farjam², Charanpal Singh², Heather Prior³, Michael Boettcher⁴, Suyin Lum Min², Richard Keijzer⁵

¹University Medical Center Mannheim, Heidelberg University / Division of Pediatric Surgery, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba, and Children's Hospital Research Institute of Manitoba, 68165 Mannheim, Baden-Wurtemberg, Germany, ²Division of Pediatric Surgery, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba, and Children's Hospital Research Institute of Manitoba, Winnipeg, MB, Canada, ³Manitoba Centre for Health Policy, Department of Community Health Sciences, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Canada, Winnipeg, MB, Canada, ⁴Department of Pediatric Surgery, University Medical Center Mannheim, Heidelberg University, Mannheim, Baden-Wurtemberg, Germany, ⁵Division of Pediatric Surgery, Department of Surgery, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba and Children's Hospital Research Institute of Manitoba, Winnipeg, MB, Canada

Q35**IDENTIFYING RISK FACTORS EXPLAINING A RISE IN GASTRIC PERFORATION IN THE NICU: THE FIRST STEP OF A QUALITY IMPROVEMENT INITIATIVE**

Lily Puterman-Salzman¹, Claire Cummins, MD², Guillaume Ethier, M. Sc. N³, Andréanne Villeneuve⁴, Caroline P. Lemoine, MD MSCI⁵

¹Division of Pediatric Surgery, Centre Hospitalier Universitaire Sainte-Justine, Université de Montréal, Montréal, Canada., Montreal, PQ, Canada, ²CHU Sainte-Justine, Montreal, PQ, Canada, ³Division of Neonatology, Centre Hospitalier Universitaire Sainte-Justine, Université de Montréal, Montréal, Canada, Montreal, PQ, Canada, ⁴Division of Neonatology, Centre Hospitalier Universitaire Sainte-Justine, Université de Montréal, Montréal, Canada, Montréal, PQ, Canada, ⁵Division of Pediatric Surgery, Centre Hospitalier Universitaire Sainte-Justine, Université de Montréal, Montreal, Canada, Montreal, PQ, Canada

Q36**PRIOR ABDOMINAL SURGERY AND SECUREMENT TECHNIQUE PREDICT PERSISTENT GASTROCUTANEOUS FISTULA AFTER GASTROSTOMY TUBE REMOVAL**

Kerry A. Swanson, MD¹, Madeleine Yancy, BS², Daniel M. Alligood, MD³, Alex Park, MD¹, Hannah M. Phelps, MD², Jesse D. Vrecenak, MD³

¹Washington University in St. Louis, St. Louis, MO, USA, ²Washington University in St. Louis, Saint Louis, MO, USA, ³Washington University in St Louis, St Louis, MO, USA

Quickshot 4 – Colorectal**3:00pm – 3:45pm****Moderators**

Kristy L. Rialon, MD, Baylor College of Medicine/Texas Children's Hospital, Houston, TX, USA
Irene Isabel P. Lim, MD MPH, Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA

Q37**"VACTERL-G" IS AN IMPROVED MNEMONIC FOR SCREENING GENETIC FEMALES WITH ANORECTAL MALFORMATIONS: FINDINGS FROM A QUALITY IMPROVEMENT STUDY**

Ibukunoluwa B. Araoye, MD, MS¹, Kristina Arion, MD², Akaya Blair, n/a³, Andrea Lo, MD⁴, Paul Beaudry, MD, MSc⁴, Sarah McQuillan, MD⁴

¹Alberta Health Services, Edmonton, AB, Canada, ²Children's Hospital of Eastern Ontario, Ottawa, ON, Canada, ³University of Calgary Cumming School of Medicine, Calgary, AB, Canada, ⁴University of Calgary, Calgary, AB, Canada

Q38**FUNDOPLICATION IN GASTROSTOMY TUBE PLACEMENT DECISION MAKING FACTORS AND MORBIDITY OUTCOMES: A MULTI-INSTITUTIONAL RETROSPECTIVE COHORT STUDY**

Anoosha Moturu, MD, MS¹, Melvin Coleman, MPH¹, Vanessa Thompson, PhD¹, Catherine Grant, BSN, RN¹, Clifford Y. Ko, MD, FACS¹, Jacqueline M. Saito, MD, MSCI, MBA², Derek S. Wakeman, MD³, Loren Berman, MD⁴

¹American College of Surgeons, Chicago, IL, USA, ²Children's National Hospital, Chicago, IL, USA, ³University of Rochester Medical Center, Golisano Children's Hospital, Rochester, NY, USA, ⁴Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

Q39**RECENT TRENDS AND OUTCOMES IN PEDIATRIC PATIENTS WITH ULCERATIVE COLITIS WHO UNDERWENT A TOTAL ABDOMINAL COLECTOMY, USING THE NSQIP-PEDIATRIC DATABASE.**

Taylor H. Jacobs, MD¹, Ruby Barq, MD², Matthew Ambrosio, MS³, Stephen P. Sharp, MD, FACS, FASCRS⁴, Jason P. Sulkowski, MD⁵

¹Department of Pediatric Surgery, Center for Perinatal Research, Nationwide Children's Hospital; Department of Surgery, Virginia Commonwealth University Health, Columbus, OH, USA, ²Children's Hospital Los Angeles, Virginia Commonwealth University Health, Los Angeles, CA, USA, ³Department of Surgery, Virginia Commonwealth University Health, Richmond, VA, USA, ⁴Department of Colorectal Surgery, Virginia Commonwealth University Health, Richmond, VA, USA, ⁵Division of Pediatric Surgery, Children's Hospital of Richmond at Virginia Commonwealth University Health, Richmond, VA, USA

Q40**TREATMENT OUTCOMES IN PEDIATRIC INTESTINAL FAILURE PATIENTS WITH IBD-LIKE DISEASE**

Elizabeth L. O'Daniel, MD¹, Priyanka V. Chugh, MD, MS², Emily K. Nes, MD, MPH³, Steven J. Staffa, MS¹, Tom Jaksic, MD, PhD¹, Jodie Ouahed¹, Lissette Jimenez, MD, MPH¹, Biren P. Modi, MD MPH¹

¹Boston Children's Hospital, Boston, MA, USA, ²Boston Children's Hospital, Boston, MA, USA, ³Baylor Scott and White Medical Center/ Baylor College of Medicine, Temple, TX, USA

Q41**RELATIONSHIP BETWEEN HOSPITAL SURGICAL VOLUMES AND PATIENT OUTCOMES IN HIRSCHSPRUNG'S DISEASE: A CANADIAN POPULATION-BASED STUDY**

Ashley M. Robinson, MD, MSc¹, Daniel Keefe², Christopher Blackmore³, Dafydd A. Davies, MD, MPhil, FRCSC³, Samuel Stewart, PhD¹, Gabriela Ilie, PhD¹, Rodrigo Romao, MD, MSc⁴

¹Dalhousie University, Halifax, NS, Canada, ²IWK health centre, Halifax, NS, Canada, ³IWK Health, Halifax, NS, Canada, ⁴Hospital for Sick Children, University of Toronto, Toronto, ON, Canada

Q42**CHARACTERIZING CHRONIC ENTERITIS RESEMBLING INFLAMMATORY BOWEL DISEASE IN PEDIATRIC SHORT BOWEL PATIENTS: A CASE CONTROL STUDY**

Helene Miranda L. Nepomuceno, MD¹, Pamela Emengo, MD², Carly J. Celebrezze, MD, MSc³, James C.Y. Dunn, MD PhD⁴, Julian Muff⁵

¹Stanford University, Palo Alto, CA, USA, ²Stanford, Palo Alto, CA, USA, ³Stanford University, Menlo Park, CA, USA, ⁴Stanford University, Palo Alto, CA, USA, ⁵University Children's Hospital of Basel, Switzerland

Q43**UTILIZATION OF SUBSTANCE USE DISORDER TREATMENT INCREASES DRAMATICALLY FOLLOWING ADOLESCENT BARIATRIC SURGERY**

Abigail J. Alexander, MD¹, Joshua John Horns, PhD¹, Marshall Wallace, MD¹, Larissa A. McGarrity, PhD¹, Rupam Das, MBA/MS¹, Katie Russell, MD², Ellen H. Morrow, MD¹, Eric T. Volckmann, MD¹, Anna Ibele, MD¹

¹University of Utah Health, Salt Lake City, UT, USA, ²Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA

Q44**A MODIFICATION OF THE NEWBORN OPERATION FOR CLOACAL EXSTROPHY: LEAVING THE CECAL PLATE UNTOUCHED**

Thomas O. Xu, MD¹, Andrea T. Badillo, MD¹, Briony K. Varda, MD, MPH¹, Christina P. Ho, MD¹, Caitlin A. Smith, MD², Richard J. Wood, MD³, Christina Feng, MD¹, Marc A. Levitt, MD¹

¹Children's National Hospital, Washington, DC, USA, ²Seattle Children's Hospital, Seattle, WA, USA, ³Nationwide Children's Hospital, Columbus, OH, USA

Q45**PREVALENCE OF HIRSCHSPRUNG DISEASE AMONG CHILDREN PRESENTING WITH COLONIC VOLVULUS: A MULTI-CENTER RETROSPECTIVE ANALYSIS**

Pooja S. Salvi, MD¹, Jason S. Frischer, MD²

¹Cincinnati Children's Hospital, New York, NY, USA, ²Cincinnati Children's Hospital, Cincinnati, OH, USA

Q46**A MULTICENTER RETROSPECTIVE REVIEW ON BOWEL PREPARATION PRACTICES FOR PEDIATRIC OSTOMY REVERSALS**

Bailey K. Roberts, MD, PhD¹, Colleen P. Nofi, DO, PhD, MBA, MSc¹, Sean E. McLean, MD², Jennifer R. DeFazio, MD³, Christopher Nemeh, MD⁴, Shawn J. Rangel, MD MSCE⁵, Prathima Nandivada, MD⁶, Kerri A. McKie, MD MPH⁵, Christina Feng, MD⁷, Shaun M. Kunisaki, MD, MSc⁸, Nicole M. Chandler, MD⁹, Alyssa M. Green, MD⁹, Robert T. Russell, MD, MPH¹⁰, Shanquell Dixon, MD¹¹, Ali M. Eakes, MD, MPH¹¹, Danielle B. Cameron, MD, MPH¹², Michael A. Kochis, MD, EdM¹³, Hanna Alemayehu, MD¹⁴, Swathi R. Raikot, BS¹⁵, Katerina Dukleska, MD¹⁶, Vedika Karandikar, BS¹⁶, Myron Allukian, MD¹⁷, Andrew Mudreac, MD¹⁸, Stefan Scholz, MD¹⁹, Julia E. Bavuso, BS²⁰, Matthew A. Hornick, MD²¹, Janice A. Taylor, MD²², Stephan Alvarez, BS²³, Afif N. Kulaylat, MD, MSc²⁴, Michael Stack, MD²⁵, Jason O. Robertson, MD, MS²⁶, Cecilia Gigena, MD²⁷, Henry E. Rice, MD²⁸, Rachel Lee, BS²⁸, Camara A. Wooten, BS²⁹, Aaron M. Lipskar, MD³⁰, On Behalf of the M. Eastern Pediatric Surgery Network, MD, MSc³¹

¹Cohen Children's Medical Center, Northwell Health, Manhasset, NY, USA, ²University of North Carolina- Chapel Hill, Chapel Hill, NC, USA, ³Columbia University, New York City, NY, USA, ⁴Columbia University- New York Presbyterian-Morgan Stanley Children's Hospital, Wayne, NJ, USA, ⁵Boston Children's Hospital, Boston, MA, USA, ⁶Boston Children's Hospital, Boston, MA, USA, ⁷Children's National Hospital, Washington, DC, USA, ⁸Johns Hopkins, Baltimore, MD, USA, ⁹Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, ¹⁰Children's of Alabama, Birmingham, AL, USA, ¹¹Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA, ¹²Division of Pediatric Surgery, Department of Surgery, Massachusetts General Hospital, Boston, MA, Boston, MA, USA, ¹³Mass General for Children, Massachusetts General Hospital, Boston, MA, USA, ¹⁴Emory University School of Medicine and Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁵Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁶Connecticut Children's Medical Center, Hartford, CT, USA, ¹⁷CHOP, Philadelphia, PA, USA, ¹⁸New York Presbyterian-Weill Cornell / The Children's Hospital of Philadelphia, Philadelphia, PA, USA, ¹⁹UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ²⁰UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ²¹Yale New Haven Children's Hospital, New Haven, CT, USA, ²²University of Florida, Gainesville, FL, USA, ²³University of Florida, Gainesville, FL, USA, ²⁴Pennsylvania State University, University Park, PA, USA, ²⁵The Pennsylvania State University, University Park, PA, USA, ²⁶Cleveland Clinic Children's, Cleveland, OH, USA, ²⁷Cleveland Clinic Children's Hospital, Cleveland, OH, USA, ²⁸Duke University, Durham, NC, USA, ²⁹University of North Carolina, Chapel Hill, NC, USA, ³⁰Cohen Children's Medical Center/ Northwell Health, New Hyde Park, NY, USA, ³¹Eastern Pediatric Surgery Network, Baltimore, MD, USA

Breakout Sessions

4:15pm – 5:00pm

Current Practices and Opportunities for Improving Operating Room Efficiency through Artificial Intelligence. Presented by the New Technology Committee.

Brian C. Gulack, MD MHS, Rush University Medical Center, Chicago, IL, USA
Kristen N. Kaiser, MD, Indiana University, Indianapolis, IN, USA
Irving J. Zamora, MD, MPH, FACS, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA
Stewart R. Carter, MD, University of Louisville / Norton Children's Hospital, Louisville, KY, USA
Anthony Tsai, MD, Penn State Milton Hershey Children's Hospital, Hershey, PA, USA

I Want to Become a Pediatric Surgeon. Presented by the Resident Subcommittee of the Education Committee.

Moderators

Jill S. Whitehouse, MD, Joe DiMaggio Children's Hospital, Hollywood, FL USA
Clint D. Cappiello, MD FACS FAAP, Johns Hopkins Children's Center, Baltimore, MD, USA

Speakers

Donald J. Lucas, MD, MPH, Children's Hospital Los Angeles, Los Angeles, CA, USA
Samir K. Gadepalli, MD, MBA, University of Michigan, Ann Arbor, MI, USA
Tiffany Wright, MD, University of Louisville/Norton Children's Hospital, Louisville, KY, USA
Diana Diesen, MD, Children's Health Dallas/UTSW, Dallas, TX, USA
Prathima Nandivada, MD, Boston Children's Hospital, Boston, MA USA
Dimitra Lotakis, MD, Riley Hospital for Children, Indianapolis, IN, USA
Heather L. Liebe, MD, University of Florida, Gainesville, FL, USA
Vikas S. Gupta, MD, Vanderbilt University, Nashville, TN, USA

Operative Autonomy for Pediatric Surgery Fellows: When, How, and Why. Presented by the Education Committee.

Gerald Gollin, MD, Division of Pediatric Surgery, University of California San Diego, Rady Children's Hospital, San Diego, CA, USA,
Stefan Scholz, MD, UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA
Erika A. Newman, MD, C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA,
Erin E. Rowell, MD, Ann & Robert H. Lurie Children's Hospital of Chicago, Division of Pediatric Surgery, Chicago, IL, USA
Paul Waltz, MD, Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

Pediatric Enhanced Recovery After Surgery What, Why, How? Presented by the SOAPPS and ERAS Special Interest Group.

Learning Objectives

- Understand how enhanced recovery principles contribute to improved pediatric surgical outcomes and resource utilization.
- Understand the principles of creating and implementing enhanced recovery guidelines.
- Conceptualize a roadmap for creating a pediatric enhanced recovery culture within their institutions and pediatric surgical services.

Moderator

Sherif Emil, MD, CM, FACS, FRCSC, FAAP, Department of Pediatric Surgery; McGill University Faculty of Medicine and Health Sciences, Montreal, PQ, Canada

Panelists

Cindy L. McManaway, FNP, Nationwide Children's Hospital, Columbus, OH, USA
Mehul V. Raval, MD M.S., Lurie Children's Hospital of Chicago, Chicago, IL, USA,
Mary Brindle, MD, MPH, FRCSC, Alberta Children's Hospital, University of Calgary, Calgary, AB, Canada

Speaker

Dorcas Defly, MD, Sherbrooke University, MONTREAL-NORD, PQ, Canada

To Patch or Not to Patch: Vascular Reconstruction in Peripheral ECMO in Children. Presented by the Surgical Critical Care Committee.

Learning Objective

- Gain an understanding of the controversies surrounding vascular reconstruction following peripheral ECMO cannulation, including patient selection and evidence-informed strategies for optimal reconstruction techniques.

Dawn Coleman, MD, Duke University, Durham, NC, USA,
John White, MD, Advocate Health, Lake Forest, IL, USA
David H. Rothstein, MD, MS, Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA
Natalie A. Drucker, MD, University of Texas Health Science Center at Houston, Houston, TX, USA
Shunpei Okochi, MD, Kravis Children's Hospital of Mount Sinai, New York, NY, USA

Workshops

4:15pm – 5:00pm

A Simplified Technique Workshop for TLCBDE – a Surgery First Approach to Choledocholithiasis

Learning Objective

- To emphasize a surgery first approach to choledocholithiasis and use a hands-on approach to teaching a straight-forward technique for transcystic laparoscopic common bile duct exploration.

Alison Lehane, MD, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA
Lucas P. Neff, MD, Atrium Health Wake Forest Baptist, Winston Salem, NC, USA
Romeo C. Ignacio, Jr., MD, Rady Children's Hospital San Diego, University of California San Diego School of Medicine, San Diego, CA, USA,
Hanna Alemayehu, MD, Emory University School of Medicine and Children's Healthcare of Atlanta, Atlanta, GA, USA,
Katie Russell, MD, Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA
Drew A. Rideout, MD, PhD, Tampa Pediatric Surgery, FL, USA
Irving J. Zamora, MD, MPH, FACS, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA,
Bethany J. Slater, MD, MBA, University of Chicago, Medicine, Chicago, IL, USA

My Worst Complication. Presented by the Wellness Committee.

Learning Objective

- Normalize complications and our reactions to them.

Moderators

Loren Berman, MD, Nemours Children's Health - Delaware Valley, Wilmington, DE, USA
Yue-Yung Hu, MD, MPH, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

Panelists

Michael B. Ishitani, MD, Mayo Clinic, Rochester, MN, USA,
Steven Stylianos, MD, Rutgers RWJMS - Bristol Myers Squibb Children's Hospital RWJBH,
New Brunswick, NJ, USA
Brad Feltis, MD, ETSU, Jonesborough, TN, USA
Mary Brandt, Texas Children's Hospital, Houston, TX, USA
Kurt F. Heiss, MD, Emory University School of Medicine, Children's Healthcare of Atlanta,
Atlanta, GA, USA

Great Cases

5:00pm – 6:00pm	Carroll M. Harmon, MD PhD, John R Oishei Childrens Hospital, Buffalo, NY, USA Katie Russell, MD, Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA
6:00 p.m. – 7:30 p.m.	ABS PSB reception (by invitation)
6:00 p.m. – 7:00 p.m.	JPS reception (by invitation)
6:30 p.m. – 8:00 p.m.	Student/Resident/Fellow Reception. Sponsored by Phoenix Children's Hospital

FRIDAY, MAY 9

General Sessions

6:00 a.m. – 7:30 a.m.	Continental Breakfast for Attendees
6:00 a.m. – 6:00 p.m.	Registration Desk Hours
6:00 a.m. – 6:00 p.m.	Speaker Ready Room Hours
6:15 a.m. – 7:15 a.m.	Advocacy Committee Meeting
6:15 a.m. – 7:15 a.m.	Hirschsprung SIG Meeting
6:15 a.m. – 7:15 a.m.	Outcomes Committee Meeting
6:15 a.m. – 7:15 a.m.	Pediatric Vascular Surgery Task Force Meeting
6:30 a.m. – 7:30 a.m.	BethanyKids Breakfast – all are welcome!
6:30 a.m. – 4:00 p.m.	Exhibit Hall Open
6:30 a.m. – 6:30 p.m.	Lactation Room
7:00 a.m. – 10:00 a.m.	Companion Hospitality Suite

Grosfeld Scholar Presentations

7:30am – 7:50am

Moderators

Mary E. Fallat, MD, Hiram C. Polk, Jr, MD Department of Surgery, University of Louisville, Norton Children's Hospital, Louisville, KY, USA
Erin E. Perrone, MD, University of Michigan, Ann Arbor, MI, USA

Chat Monitor

Rachael Sundland, MD, Maimonides Medical Center, Brooklyn, NY, USA

EGDP-mannose 4,6-dehydratase is a Key Driver of MYCN-amplified Neuroblastoma Core Fucosylation and Tumorigenesis

Eric J. Rellinger, MD, University of Kentucky, Lexington, KY, USA

Learning Objective

- Participants will be able to appreciate how aberrations in glycosylation can contribute to disease progression in the context of pediatric solid tumors.

Artificial Placenta Support of Newborn Lambs with Congenital Diaphragmatic Hernia

Joseph T. Church, MD, University of Michigan, Ann Arbor, MI, USA

Learning Objective

- To understand the feasibility of a VV-ECLS artificial placenta system and its related potential for lung growth and development.
-

Quality and Safety Toolkit: Radiation Stewardship for Appendicitis

7:50am – 8:20am

Discussant

Katherine W. Gonzalez, MD, St. Luke's Children's Hospital, Boise, ID, USA

Chat Monitor

Rachael Sundland, MD, Maimonides Medical Center, Brooklyn, NY, USA

Speakers

Niloufar Hafezi, MD, Division of Pediatric Surgery, Department of Surgery, University of Texas Medical Branch, Woodridge, IL, USA

Robert L. Ricca, MD, Pennsylvania State University, Hershey, PA, USA

Rob Baird, MD CM MSc, Division of Pediatric Surgery, British Columbia Children's Hospital, University of British Columbia, Vancouver, BC, Canada,

Sofia N. Neumann, Baylor University, Rancho Palos Verdes, CA, USA

Derek S. Wakeman, MD, University of Rochester Medical Center, Golisano Children's Hospital, Rochester, NY

Wellness Session

8:20am – 8:50am

Pediatric Surgeons and Parenthood: Overcoming Challenges and Creating a Culture of Support

Moderator

Cristine S. Velazco, MD, MS, FACS, Orlando Health Arnold Palmer Hospital for Children, Orlando, FL, USA

Chat Monitor

Rachael Sundland, MD, Maimonides Medical Center, Brooklyn, NY, USA

Speakers

Julie Monteagudo, MD, Hasbro Children's/Brown University, Providence, RI, USA

Erika Rangel, MD, MS, FACS, Massachusetts General Hospital, Newton, MA, USA

Yue-Yung Hu, MD, MPH, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

8:50 a.m. – 9:15 a.m.

Refreshment Break

Plenary 3 - Standardization of Care

9:15am – 10:45am

Moderators

Bethany J. Slater, MD, MBA, University of Chicago, Medicine, Chicago, IL, USA

Rony Marwan, MD, FACS, FAAP, University of Missouri, Columbia, MO, Columbia, MO, USA

Chat Monitor

Rachael Sundland, MD, Maimonides Medical Center, Brooklyn, NY, USA

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IMPLEMENTATION YIELDS SUCCESS – RESULTS OF THE ENHANCED RECOVERY IN CHILDREN UNDERGOING SURGERY (ENRICH-US) RANDOMIZED CONTROLLED TRIAL

Mehul V. Raval, MD MS¹, Yao Tian, PhD, MPH², Lynn Huang, MS², Erin Wynmore, MS², Deysi Paniagua³, Mallory Perez, MD⁴, Alison Lehane, MD⁴, Charesa J. Smith, MD, MS², Gwyneth A. Sullivan, MD, MS⁵, Audra J. Reiter, MD, MPH⁴, Andrew Hu, MBChB, MS⁶, Martha-Conley E. Ingram, MD, MPH⁷, Kirsty M. Engelhardt⁸, Peter Graffy, MPH⁹, Willemijn L.A. Schäfer, PhD⁸, Salva Balbale, PhD⁸, Julie Johnson, PhD, MSPH¹⁰, Sarah C. Blake, PhD, MA¹¹, Sharron Close, PhD¹², Teaniese L. Davis, PhD, MPH¹³, Bonnie S. Essner, PhD¹⁴, Kurt F. Heiss, MD¹⁵, Craig W. Lillehei, MD¹⁶, Brian W. Gray, MD¹⁷, Seth D. Goldstein, MD MPH¹⁸, Scott S. Short, MD¹⁹, Samir Pandya, MD²⁰, Janice A. Taylor, MD²¹, Christopher P. Gayer, MD, PhD²², Adam B. Goldin, MD, MPH²³, Matthew M. Boelig, MD²⁴, Kristy L. Rialon, MD²⁵, Tim Jancelewicz, MD, MA, MS²⁶, Aaron M. Lipskar, MD²⁷, Mubeen A. Jafri, MD²⁸, Elisabeth T. Tracy, MD²⁹, Matthew T. Harting, MD MS³⁰, Jason P. Sulkowski, MD³¹, Phillip Benson Ham, MD, MS³², Kaveh Vali, MD³³, Robert A. Cina, MD³⁴, David T. Schindel, MD³⁵, Saleem Islam, MD, MPH³⁶, Erin Teeple, MD³⁷, Sohail R. Shah, MD³⁸, Ankush Gosain, MD, PhD, MBA³⁹, David H. Rothstein, MD, MS⁴⁰, Megan A. Brockel, MD⁴¹, Jillian Chown, PhD, MBA⁴², Jane L. Holl, MD, MPH⁴³

¹Lurie Children's Hospital of Chicago, Chicago, IL, USA, ²Northwestern Quality Improvement, Research & Education in Surgery (NQUIRES), Northwestern University Feinberg School of Medicine, Chicago, IL, USA, ³Northwestern University, Chicago, IL, USA, ⁴Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁵Rush University, Chicago, IL, USA, ⁶Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, ⁷University of Arkansas for Medical Sciences, Arkansas Children's Hospital, Little Rock, AR, USA, ⁸Northwestern University Feinberg School of Medicine, Chicago, IL, USA, ⁹Center for Education in Health Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, USA, ¹⁰Division of Surgical Oncology, Department of Surgery, University of North Carolina School of Medicine, Chapel Hill, NC, USA, ¹¹Emory University, Atlanta, GA, USA, ¹²School of Nursing, Emory University, Atlanta, GA, USA, ¹³Center for Research and Evaluation, Kaiser Permanente Georgia, Atlanta, GA, USA, ¹⁴Pritzker Department of Psychiatry and Behavioral Health, Neurointestinal and Motility Program, Division of Gastroenterology, Hepatology, and Nutrition, Department of Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago / Department of Psychiatry and Behavioral Sciences, Department of Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, IL, USA, ¹⁵Emory University School of Medicine, Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁶Boston Children's Hospital, Harvard Medical School, Boston, MA, USA, ¹⁷Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, ¹⁸Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ¹⁹Division of Pediatric Surgery, University of Utah, Salt Lake City, UT, USA, ²⁰UT Southwestern Medical Center, Dallas, TX, USA, ²¹University of Florida, Gainesville, FL, USA, ²²Children's Hospital Los Angeles, Los Angeles, CA, USA, ²³Seattle Children's Hospital, University of Washington School of Medicine, Seattle, WA, USA, ²⁴Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ²⁵Baylor College of Medicine/Texas Children's Hospital, Houston, TX, USA, ²⁶Le Bonheur Children's Hospital, University of Tennessee Health Science Center, Memphis, TN, USA, ²⁷Cohen Children's Medical Center/ Northwell Health, New Hyde Park, NY, USA, ²⁸Oregon Health & Science University, Portland, OR, USA, ²⁹Department of Pediatric Surgery, Duke University Medical Center, Durham, North Carolina, Durham, NC, USA, ³⁰University of Texas McGovern Medical School at UTHealth, Houston, TX, USA, ³¹Division of Pediatric Surgery, Children's Hospital of Richmond at Virginia Commonwealth University Health, Richmond, VA, USA, ³²John R. Oishei Children's Hospital, Division of Pediatric Surgery, State University of New York, University at Buffalo, Buffalo, NY, USA, ³³Oishei Children's Hospital, Buffalo, NY, USA, ³⁴Medical University of South Carolina, North Charleston, SC, USA, ³⁵University of Texas Southwestern Medical Center, Dallas, TX, USA, ³⁶Aga Khan University, Karachi City, Sindh, Pakistan, ³⁷Children's National Medical Center, Washington, DC, USA, ³⁸Pediatric Surgery of Houston, Sunrise, FL, USA, ³⁹University of Colorado, Denver, CO, USA, ⁴⁰Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, ⁴¹Children's Hospital Colorado, Aurora, CO, USA, ⁴²Kellogg School of Management, Northwestern University, Evanston, IL, USA, ⁴³University of Chicago, Chicago, IL, USA

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PRE-OPERATIVE BOWEL PREPARATION DECREASES COMPLICATIONS IN CHILDREN UNDERGOING COLOSTOMY REVERSALS

Discussant: Jacob C. Langer, MD, Hospital for Sick Children, Toronto, Ontario, Canada

Colleen P. Nofi, DO, PhD, MBA, MSc¹, Bailey K. Roberts, MD, PhD¹, Sean E. McLean, MD², Jennifer R. DeFazio, MD³, Christopher Nemeh, MD⁴, Shawn J. Rangel, MD MSCE⁵, Prathima Nandivada, MD⁶, Kerri A. McKie, MD MPH⁵, Christina Feng, MD⁷, Shaun M. Kunisaki, MD, MSc⁸, Nicole M. Chandler, MD⁹, Alyssa M. Green, MD⁹, Robert T. Russell, MD, MPH¹⁰, Shanquell Dixon, MD¹¹, Ali M. Eakes, MD, MPH¹¹, Danielle B. Cameron, MD, MPH¹², Michael A. Kochis, MD, EdM¹³, Hanna Alemayehu, MD¹⁴, Swathi R. Raikot, BS¹⁵, Katerina Dukleska, MD¹⁶, Vedika Karandikar, BS¹⁶, Myron Allukian, MD¹⁷, Andrew Mudreac, MD¹⁸, Stefan Scholz, MD¹⁹, Julia E. Bavuso, BS²⁰, Matthew A. Hornick, MD²¹, Janice A. Taylor, MD²², Stephan Alvarez, BS²³, Afif N. Kulaylat, MD, MSc²⁴, Michael Stack, MD²⁵, Jason O. Robertson, MD, MS²⁶, Cecilia Gigena, MD²⁷, Henry E. Rice, MD²⁸, Rachel Lee, BS²⁸, Camara A. Wooten, BS²⁹, Aaron M. Lipskar, MD³⁰, On Behalf of the M. Eastern Pediatric Surgery Network, MD, MSc³¹, Jacob C. Langer, MD³²

¹Cohen Children's Medical Center, Northwell Health, Manhasset, NY, USA, ²University of North Carolina- Chapel Hill, Chapel Hill, NC, USA, ³Columbia University, New York City, NY, USA, ⁴Columbia University- New York Presbyterian-Morgan Stanley Children's Hospital, Wayne, NJ, USA, ⁵Boston Children's Hospital, Boston, MA, USA, ⁶Boston Children's Hospital, Boston, MA, USA, ⁷Children's National Hospital, Washington, DC, USA, ⁸Johns Hopkins, Baltimore, MD, USA, ⁹Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, ¹⁰Children's of Alabama, Birmingham, AL, USA, ¹¹Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA, ¹²Division of Pediatric Surgery, Department of Surgery, Massachusetts General Hospital, Boston, MA, Boston, MA, USA, ¹³Mass General for Children, Massachusetts General Hospital, Boston, MA, USA, ¹⁴Emory University School of Medicine and Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁵Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁶Connecticut Children's Medical Center, Hartford, CT, USA, ¹⁷CHOP, Philadelphia, PA, USA, ¹⁸New York Presbyterian-Weill Cornell / The Children's Hospital of Philadelphia, Philadelphia, PA, USA, ¹⁹UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ²⁰UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, ²¹Yale New Haven Children's Hospital, New Haven, CT, USA, ²²University of Florida, Gainesville, FL, USA, ²³University of Florida, Gainesville, FL, USA, ²⁴Pennsylvania State University, University Park, PA, USA, ²⁵The Pennsylvania State University, University Park, PA, USA, ²⁶Cleveland Clinic Children's, Cleveland, OH, USA, ²⁷Cleveland Clinic Children's Hospital, Cleveland, OH, USA, ²⁸Duke University, Durham, NC, USA, ²⁹University of North Carolina, Chapel Hill, NC, USA, ³⁰Cohen Children's Medical Center/Northwell Health, New Hyde Park, NY, USA, ³¹Eastern Pediatric Surgery Network, Baltimore, MD, USA, ³²Hospital for Sick Children, Toronto, ON, Canada

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FEELING THE DIFFERENCE: LONG-TERM SENSORY OUTCOMES FOLLOWING THE MINIMALLY INVASIVE REPAIR OF PECTUS EXCAVATUM WITH AND WITHOUT INTERCOSTAL NERVE CRYOABLATION

Discussant: Rebecca Brown, MD, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

R Scott Eldredge, MD¹, Brielle Ochoa, MD², Katie Russell, MD³, Zachary Moore⁴, Stephanie D. Chao, MD⁵, Akanksha Sabapaty, MBBS⁶, Jose L. Diaz-Miron, MD⁷, Nell T. Weber⁸, Kristin Rassam¹, Emily Khoury¹, Chakshu Soni, MPH⁹, Romeo C. Ignacio, MD MS MPath¹⁰, Benjamin Padilla, MD¹¹

¹Phoenix Children's, Phoenix, AZ, USA, ²Phoenix Children's Hospital, Department of Surgery, Phoenix, AZ, USA, ³Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA, ⁴University of Utah School of Medicine, Salt Lake City, UT, USA, ⁵Stanford University School of Medicine, Palo Alto, CA, USA, ⁶Stanford University, Palo Alto, CA, USA, ⁷University of Colorado / Children's Hospital Colorado, Aurora, CO, USA, ⁸Department of Surgery, University of Colorado Denver School of Medicine and Division of Pediatric Surgery, Children's Hospital Colorado, Denver, CO, USA, ⁹Rady Children's Hospital San Diego, Escondido, CA, USA, ¹⁰Rady Children's Hospital San Diego, San Diego, CA, USA, ¹¹Phoenix Children's, Phoenix, AZ, USA

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WORK RELATIVE VALUE UNITS AND THE ASSOCIATION WITH OPERATIVE TIME AND SURGICAL COMPLEXITY: A PEDIATRIC NSQIP ANALYSIS

Olivia Katz, MD¹, Jeanne Wu, BS, MPH¹, Brian A. Coakley, MD, FACS, FAAP, Dipl ABOM²

¹Department of Surgery, The Icahn School of Medicine at Mount Sinai, New York, NY, USA, ²New York, NY, USA

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REDUCTION OF PROPHYLACTIC ANTIBIOTICS FOR ELECTIVE PEDIATRIC CHOLECYSTECTOMY: A QI INITIATIVE TO PROMOTE ANTIMICROBIAL STEWARDSHIP

Discussant: Monica E. Lopez, MD, Monroe Carell Jr Children's Hospital at Vanderbilt, Nashville, TN, USA

Wendy Jo Svetanoff, MD, MPH¹, Colton D. Wayne, MD¹, Taylor H. Jacobs, MD², Cindy L. McManaway, FNP¹, Sara A. Mansfield, MD³, Elizabeth Schneider, BSISE LSSGB1, Brian D. Kenney, MD MPH⁴, Gail E. Besner, MD¹, Shawn J. Rangel, MD MSCE⁵

¹Nationwide Children's Hospital, Columbus, OH, USA, ²Department of Pediatric Surgery, Center for Perinatal Research, Nationwide Children's Hospital; Department of Surgery, Virginia Commonwealth University Health, Columbus, OH, USA, ³Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA, ⁴Nationwide Children's Hospital/ The Ohio State University, Columbus, OH, USA, ⁵Boston Children's Hospital, Boston, MA, USA

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IMPROVED MORTALITY IN GASTROSCHISIS PATIENTS AFTER IMPLEMENTATION OF A STANDARDIZED MANAGEMENT BUNDLE IN CENTRAL MALAWI: A SINGLE-CENTER FOLLOW-UP AT FOUR YEARS

Xinyi Luo, MD¹, Bvumi Tembo, MBBS², Wiseman Phiri, MBBS², Bidali Nzira, MBBS², Betty Yuggu, MBBS², Sella Mpata, MBBS², Martin Chigwede², Amarylis Mapurisa, MBBS², Naomi Wright, MBChB PhD³, Anthony Charles, MD, MPH⁴, Lindsey L. Wolf, MD, MPH⁵, Bip Nandi, MBBChir⁶

¹Tulane School of Medicine, New Orleans, LA, USA, ²Kamuzu Central Hospital, Lilongwe, Lilongwe, Malawi, ³Oxford University Hospitals NHS Foundation Trust, Oxford, England, United Kingdom, ⁴University of North Carolina - Department of Surgery, Chapel Hill, NC, USA, ⁵University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock, AR, USA, ⁶Baylor College of Medicine, Kamuzu Central Hospital, Lilongwe, Lilongwe, Malawi

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COST-EFFECTIVENESS OF METABOLIC AND BARIATRIC SURGERY IN ADOLESCENTS: A 10-YEAR ANALYSIS

John B. Rode, MD¹, Francesca Lim², Chin Hur², Todd M. Jenkins, PhD, MPH³, Justin Ryder¹, Thomas H. Inge, MD¹

¹Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ²Columbia University Irving Medical Center, New York, NY, USA, ³Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

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MULTICENTER PEDIATRIC SURGERY QUALITY COLLABORATIVE (PSQC) NSQIP PILOT STUDY: PEDIATRIC COLORECTAL SURGERY BUNDLE UTILIZATION

Stephanie F. Brierley, MD¹, Cortnie Vaughn, MD², Kathleen Heller, MD, MS¹, Terry Fisher, MPH³, Kevin P. Lally, MD, MS⁴, Elizabeth A. Fialkowski, MD⁵, Justin Lee, MD⁶

¹Phoenix Children's Hospital, Phoenix, AZ, USA, ²Oregon Health and Science University, Portland, OR, USA, ³UT Houston, McGovern School of Medicine, Ligonier, PA, USA, ⁴McGovern Medical School at UTHealth Houston, Houston, TX, USA, ⁵Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, ⁶Phoenix Children's, Phoenix, AZ, USA

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PLEURAL DRAIN PLACEMENT FOLLOWING RESECTIONAL LUNG SURGERY IN CHILDREN: A PROSPECTIVE OBSERVATIONAL STUDY OF THE WESTERN PEDIATRIC SURGERY RESEARCH CONSORTIUM

Anastasia M. Kahan, MD¹, Lorraine I. Kelley-Quon, MD MSHS², Shannon Acker, MD³, Justin Lee, MD⁴, David H. Rothstein, MD, MS⁵, Stephanie D. Chao, MD⁶, on behalf of the Western Pediatric Surgery Research Consortium

¹University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, ²Children's Hospital Los Angeles, Los Angeles, CA, USA, ³Children's Hospital of Colorado, Aurora, CO, USA, ⁴Phoenix Children's, Phoenix, AZ, USA, ⁵Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, ⁶Stanford University School of Medicine, Palo Alto, CA, USA

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SMALL CHANGE, BIG IMPACT: PROPOSAL OF THE BRAIN INJURY GUIDELINES FOR KIDS (KBIG)

Anastasia M. Kahan, MD¹, Hsuan-Yu Wen, PhD², Sommer Glasgow², Annika Kay, PAC³, Kacey L. Barnes, MSN, RN⁴, Robert A. Swendiman, MD, MPP, MSCE¹, Zachary J. Kastenber, MD, MS⁵, Kezlyn E. Larsen, BS³, Christopher Roach, MD¹, Robert Bollo, MD¹, Vijay Ravindra, MD, MSPH¹, Rajiv Iyer¹, David S. Morris², Bellal Joseph, MD⁶, Katie Russell, MD⁷

¹University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, ²University of Utah, Salt Lake City, UT, USA, ³Intermountain Health, Primary Children's Hospital, Salt Lake City, UT, USA, ⁴Intermountain Health, Primary Children's Hospital, Farmington, UT, USA, ⁵Department of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake City, UT, USA, ⁶University of Arizona, Salt Lake City, UT, USA, ⁷Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA

President's Message

10:45am – 11:45am

Chat Monitor

Rachael Sundland, MD, Maimonides Medical Center, Brooklyn, NY, USA

Learning Objectives

- Have a better understanding of meeting professional and personal challenges surrounded by ever-present uncertainty.
- Appreciate the power of trust individually and collectively.
- Look back at our heritage for examples of success facing what appear to be insurmountable odds against us.
- Use introspection to measure our progress and to ask, "Are we what we say we are?"
- Consider the importance of a secure and more perfect platform from which to meet challenges and achieve growth.

Introduction

Max R. Langham, MD, University of Tennessee Health Science Center, Memphis, TN, USA

Unlocking Uncertainty Through Trust

Donna A. Caniano, MD, Accreditation Council for Graduate Medical Education (ACGME), Williamsburg, VA, USA

Our Transitions

Kevin P. Lally, MD, MS, McGovern Medical School at UTHealth Houston, Houston, TX, USA

Coping With Uncertainty: The Power of Introspection

Jacob C. Langer, MD, Hospital for Sick Children, Toronto, ON, Canada

APSA as a Perfect Platform

Thomas F. Tracy, MD MBA, American Pediatric Surgical Association, Portsmouth, RI, USA

11:45 a.m. – 12:30 p.m.

APSA Business Meeting

12:30 p.m. – 2:00 p.m.

Lunch on Own

12:30 p.m. – 2:00 p.m.

MercyShips Lunch and Learn

12:30 p.m. – 2:00 p.m.

Professional Coaching

1:15 p.m. – 2:00 p.m.

SOAPPS Town Hall - no lunch provided

Scientific Session 9 - Basic Science 2

2:00pm – 3:30pm

Moderators

Emily Partridge, MD, PhD, Children's Hospital of Philadelphia, Philadelphia, PA, USA

Mark B. Slidell, MD, Johns Hopkins University School of Medicine, Baltimore, MD, USA

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UNTARGETED METABOLOMICS REVEALS DISTINCT METABOLOME CHANGES IN THE GUT-LIVER AXIS AFTER MASSIVE SMALL BOWEL RESECTION

Daniel M. Alligood, MD¹, Alex Park, MD², Kerry A. Swanson, MD², Ashley King, BS³, Chunxiao Shi², Jun Guo, PhD², David M. Alvarado, PhD², Deborah Rubin, MD², Nicholas Davidson, MD, DSc², Brad W. Warner, MD²

¹Washington University in St Louis, St Louis, MO, USA, ²Washington University in St. Louis, St. Louis, MO, USA,

³Washington University in St. Louis, St. Louis, GA, USA

S142

CYTOKINE-DRIVEN PRO-FIBROTIC RESPONSE TO MECHANICAL STRESS IN VITRO IN PRIMARY FETAL ESOPHAGEAL FIBROBLASTIC CELLS.

Nicolas Vinit, MD, MSc¹, Ryugo Teranishi, MD, PhD², Jessica C. Pollack, MD³, Su Chin Heo, PhD⁴, Amanda B. Muir, MD², Emily Partridge, MD, PhD⁵

¹Center for Fetal Research, Children's Hospital of Philadelphia, Philadelphia, PA, USA; EA FETUS 7328-PACT, Institut Imagine, Hôpital Necker-Enfants malades, Université de Paris Cité, Paris, France, Philadelphia, PA, USA, ²Division of Gastroenterology, Hepatology, and Nutrition The Children's Hospital of Philadelphia, Philadelphia, PA, USA, ³Children's Hospital of Philadelphia, Philadelphia, PA, USA, ⁴University of Pennsylvania, Philadelphia, PA, USA, ⁵Children's Hospital of Philadelphia, Philadelphia, PA, USA

S143

CONVERSION OF OMEGA-6 TO OMEGA-3 FATTY ACIDS PROTECTS AGAINST LIVER INJURY IN A MURINE MODEL OF PARENTERAL NUTRITION-INDUCED HEPATOSTEATOSIS

Sarah Z. Wang, MD, MPH¹, Thomas I. Hirsch, MD², Djanira Fernandes, MD², Amy Pan, BA², Mikayla Quigley, BS², Jonathan Ayash, MD², Scott Fligor, MD², Savas Tsikis, MD², Kathleen M. Gura, PharmD², Paul D. Mitchell, MA², Mark Puder, MD, PhD²

¹*Boston Children's Hospital / Cleveland Clinic Foundation, Boston, MA, USA*, ²*Boston Children's Hospital, Boston, MA, USA*

S144

THE ROLE OF MEG3 IN PROMOTING MOTILITY AND CLONOGENICITY IN HEPATOBLASTOMA

Morgan L. Brown, MD, Maryam G. Shaikh, PhD, Nazia Nazam, PhD, Elizabeth A. Beierle, MD

University of Alabama at Birmingham, Birmingham, AL, USA

S145

DELINEATING THE PRODUCTION OF MATRISOME PROTEINS BY OVARIAN STROMAL CELLS FOR A BIOPROSTHETIC AND TRANSPLANTABLE OVARY

Christopher J. McCauley, MD, Hannah McDowell, MS, Erin E. Rowell, MD, Monica M. Laronda, PhD

Ann & Robert H. Lurie Children's Hospital of Chicago, Division of Pediatric Surgery, Chicago, IL, USA

S147

SUBCUTANEOUS ADIPOSE TISSUE-DERIVED NEURAL STEM CELLS: A NOVEL AUTOLOGOUS CELL THERAPY TO BRIDGE THE GAP IN THE TREATMENT OF NEUROTOMESIS

Leah C. Ott, MD¹, Rhian Stavely, PhD¹, Abigail R. Leavitt, BS¹, Aki Kashiwagi, BS¹, Christopher Y. Han, BS¹, Ahmed A. Rahman, PhD¹, Ryo Hotta, MD, PhD¹, Allan M. Goldstein, MD²

¹*Massachusetts General Hospital, Boston, MA, USA*, ²*Mass General for Children, Massachusetts General Hospital, Boston, MA, USA*

S148

REPEATED LENGTHENING UTILIZING DISTRACTION ENTEROGENESIS: A PORCINE MODEL

Pamela Emengo, MD¹, Gillian L. Fell, MD, PhD², Helene Miranda L. Nepomuceno, MD³, Anne-Laure A. Thomas, MS⁴, James C.Y. Dunn, MD PhD⁵

¹*Stanford, Palo Alto, CA, USA*, ²*Stanford University School of Medicine, Lucile Packard Children's Hospital, Palo Alto, CA, USA*, ³*Stanford University, Palo Alto, CA, USA*, ⁴*Stanford University, Stanford, CA, USA*, ⁵*Stanford University, Palo Alto, CA, USA*

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EFFECT OF DISTRACTION ENTEROGENESIS ON MECHANOSENSITIVE PATHWAYS IN THE MURINE CECUM

Akanksha Sabapaty, MBBS¹, Siavash Shariatzadeh, MD, MPH, MBA², **Carly J. Celebrezze, MD, MSc³**, James C.Y. Dunn, MD PhD¹

¹*Stanford University, Palo Alto, CA, USA*, ²*Stanford University School of Medicine, Palo Alto, CA, USA*, ³*Stanford University, Menlo Park, CA, USA*

S150

MECHANICAL FORCE-DRIVEN EPITHELIAL GROWTH: YAP ACTIVATION AND ISC STEMNESS IN NON-REGENERATIVE MECHANISMS

Siavash Shariatzadeh, MD, MPH, MBA¹, Arshia T. Sazi², **Carly J. Celebrezze, MD, MSc³**, Akanksha Sabapaty, MBBS⁴, James C.Y. Dunn, MD PhD⁴

¹*Stanford University School of Medicine, Palo Alto, CA, USA*, ²*Stanford University, Stanford, CA, USA*, ³*Stanford University, Menlo Park, CA, USA*, ⁴*Stanford University, Palo Alto, CA, USA*

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BILATERAL WILMS TUMOR: MULTI-INSTITUTIONAL ANALYSIS OF NEPHRON-SPARING SURGERY AT HIGHER VOLUME CENTERS

Nadia Valeska Halstead, MD, MPH¹, Brett M. Wiesen, MD², Jordan A. Coggins, MS³, Mary Beth Houston, MPH⁴, Andrew J. Murphy, MD⁵, Andrew Nicklawsky, MS⁶, Gemma Beltran, BS BA⁷, Jennifer Pyrzanowski, MSPH⁶, Taylor Perry, BS⁸, Jonathan Roach, MD⁹, Kristine S. Corkum, MD¹⁰, Joshua J. Short¹¹, Amy Hou Chen¹², Barrett P. Cromeens, DO, PhD¹³, Sindhu V. Mannava, MD MS¹⁴, Brent Weil, MD, MPH¹⁵, Elizabeth A. Mullen, MD¹⁶, Robert C. Shamberger, MD¹⁷, Megan M. Durham, MD¹⁸, Goeto Dantes, MD¹⁹, Peter Ehrlich, MD²⁰, Andrew M. Davidoff, MD²¹, Nicholas Cost, MD²²

¹Seattle Children's Hospital, University of Washington, Seattle, WA, USA, ²The University of Colorado, Denver, CO, USA, ³St. Jude Children's Research Hospital, Memphis, TN, USA, ⁴St. Jude Children's Research Hospital, Proctor, AR, USA, ⁵Department of Surgery, St. Jude Children's Research Hospital/Division of Pediatric Surgery, University of Tennessee Health Science Center, Memphis, TN, USA, ⁶University of Colorado, Aurora, CO, USA, ⁷University of Colorado Anschutz Medical Campus (Pediatric Urology Research Enterprise), Aurora, CO, USA, ⁸The Surgical Oncology Program at the Children's Hospital of Colorado, Aurora, CO, USA, ⁹Department of Pediatric Surgery, Children's Hospital of Colorado, Denver, Colorado, Aurora, CO, USA, ¹⁰Children's Hospital Colorado, Aurora, CO, USA, ¹¹Children's Minnesota; Pediatric Surgical Associates, Minneapolis, MN, USA, ¹²Children's Hospital and Clinics of Minnesota, Minneapolis, MN, USA, ¹³Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN, Indianapolis, IN, USA, ¹⁴Indiana University School of Medicine, Indianapolis, IN, Kentwood, MI, USA, ¹⁵Boston Children's Hospital, Boston, MA, USA, ¹⁶Division of Hematology/Oncology, Dana-Farber Cancer Institute and Boston Children's Hospital, Boston, MA, USA, ¹⁷Boston Children's Hospital, Wellesley, MA, USA, ¹⁸Emory + Children's Pediatric Institute, Atlanta, GA, USA, ¹⁹Emory University/Children's Healthcare of Atlanta, Atlanta, GA, USA, ²⁰C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA, ²¹St. Jude Children's Research Hospital Department of Surgery, Memphis, TN, USA, ²²Department of Surgery, Division of Urology, University of Colorado School of Medicine and the Surgical Oncology Program at the Children's Hospital of Colorado, Aurora, CO, USA

Scientific Session 10 - General Pediatric Surgery 2

2:00pm – 3:30pm

Moderators

Kim G. Wallenstein, MD, PhD, SUNY Upstate Medical University, Syracuse, NY, USA

Rob Baird, MD CM MSc, Division of Pediatric Surgery, British Columbia Children's Hospital, University of British Columbia, Vancouver, BC, Canada

S11

QUALITY OF COMMON SURGICAL PROCEDURES AT CRITICAL ACCESS HOSPITALS AMONG PEDIATRIC PATIENTS

Cody L. Mullens, MD, MPH¹, Samir K. Gadepalli, MD, MBA¹, Nicholas Kunnath, MS¹, Andrew Ibrahim, MD, MS¹, Erika A. Newman, MD², **Vanessa S. Niba, MD¹**

¹University of Michigan, Ann Arbor, MI, USA, ²C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA

S12

QUANTIFYING RECOVERY TIME AFTER COMMON PEDIATRIC SURGICAL PROCEDURES

Elizabeth M. Reynolds, MD¹, Jonathan E. Kohler, MD, MA¹, Minna M. Wieck, MD²

¹University of California Davis Health, Sacramento, CA, USA, ²UC Davis Children's Hospital, Sacramento, CA, USA

S13

NEONATAL RENAL REPLACEMENT THERAPY PATTERNS AND ASSOCIATED OUTCOMES IN A NOVEL COHORT WITH PRENATALLY DIAGNOSED RENAL FAILURE

Katherine M. McDermott, MD, MHS¹, Isam W. Nasr, MD², Jena L. Miller, MD³, Meredith A. Atkinson, MD⁴, Erica I. Hodgman, MD²

¹Johns Hopkins School of Medicine, Baltimore, MD, USA, ²Division of Pediatric Surgery, Johns Hopkins School of Medicine, Baltimore, MD, USA, ³Department of Gynecology and Obstetrics, Johns Hopkins School of Medicine, Baltimore, MD, USA, ⁴Department of Pediatrics, Johns Hopkins School of Medicine, Baltimore, MD, USA

S14

PATTERNS OF PRACTICE, RESEARCH, AND ENGAGEMENT IN THE FIRST 10 YEARS OF PRACTICE: A SURVEY OF APSA EARLY CAREER PEDIATRIC SURGEONS.

Sophia G. Hameedi, MD¹, Christa Grant, MD²

¹Westchester Medical Center in Valhalla, Columbus, OH, USA, ²New York Medical College, Valhalla, NY, Valhalla, NY, USA

S15

CURRENT PRACTICE PATTERNS AND OUTCOMES FOLLOWING THE INGESTION OF WATER BEADS IN PEDIATRIC PATIENTS: A PEDIATRIC SURGERY RESEARCH COLLABORATIVE STUDY

Jennifer M. Schuh, MD¹, Charlotte L. Kvasnosvky, MD, PhD², Cecilia Gigena, MD³, Jason O. Robertson, MD, MS⁴, Cortnie Vaughn, MD⁵, Benjamin D. Carr, MD⁶, Ioannis A. Ziogas, MD, MPH⁷, Ankush Gosain, MD, PhD, MBA⁸, Mallory Perez, MD⁹, Mehul V. Raval, MD MS¹⁰, Jessica Wright, MD¹¹, Kyle J. Van Arendonk, MD PhD¹², Cory T. Roeth, MD¹³, Arturo Aranda, MD¹³, Afif N. Kulaylat, MD, MSc¹⁴, Ali Mejaddam, MD¹⁵, Maria Carmen Mora, MD¹⁶, Barbara Coons¹⁷, Gwyneth A. Sullivan, MD, MS¹⁸, Brian C. Gulack, MD MHS¹⁹, Jose H. Salazar, MD, PhD¹

¹Medical College of Wisconsin, Milwaukee, WI, USA, ²University of Chicago, Chicago, IL, USA, ³Cleveland Clinic Children's Hospital, Cleveland, OH, USA, ⁴Cleveland Clinic Children's, Cleveland, OH, USA, ⁵Oregon Health and Science University, Portland, OR, USA, ⁶Oregon Health & Science University, Portland, OR, USA, ⁷University of Colorado and Children's Hospital Colorado, Denver, CO, USA, ⁸University of Colorado, Denver, CO, USA, ⁹Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ¹⁰Lurie Children's Hospital of Chicago, Chicago, IL, USA, ¹¹Center for Regenerative Medicine/ Department of Pediatric Surgery/Nationwide Children's Hospital, Columbus, OH, USA, ¹²Nationwide Children's Hospital, Columbus, OH, USA, ¹³Dayton Children's, Dayton, OH, USA, ¹⁴Pennsylvania State University, University Park, PA, USA, ¹⁵Loma Linda University Health, Loma Linda, CA, USA, ¹⁶University of Texas Medical Branch, Galveston, TX, USA, ¹⁷New York University, New York, NY, USA, ¹⁸Rush University, Chicago, IL, USA, ¹⁹Rush University Medical Center, Chicago, IL, USA

S16

A National Database Study of Adjuvant Steroids Following Kasai Portoenterostomy for Biliary Atresia

Norah E. Liang, MD¹, Humza Thobani², Anoosha Moturu, MD, MS³, Elijah Suh, Saleem Islam, MD, MPH⁴, Gillian L. Fell, MD, PhD⁵, Jeong S. Hyun, MD¹, Karl Sylvester, Stephanie D. Chao, MD⁶, James C.Y. Dunn, MD PhD², Faraz Ali Khan, MD²

¹Stanford University School of Medicine, Stanford, CA, USA, ²Stanford University, Palo Alto, CA, USA, ³American College of Surgeons, Chicago, IL, USA, ⁴Aga Khan University, Karachi City, Sindh, Pakistan, ⁵Stanford University School of Medicine, Lucile Packard Children's Hospital, Palo Alto, CA, USA, ⁶Stanford University School of Medicine, Palo Alto, CA, USA

S18

Assessing Process Measures and Practice Variability in Pediatric Button Battery Ingestion: A Multi-Institutional Cohort Study

Anoosha Moturu, MD, MS¹, Jacqueline M. Saito, MD, MSCI, MBA², Vanessa Thompson, PhD¹, Catherine Grant, BSN, RN¹, Clifford Y. Ko, MD, FACS¹, Kris Jatana, MD³, Jennifer Lavin, MD, MS, FAAP, FACS⁴

¹American College of Surgeons, Chicago, IL, USA, ²Children's National Hospital, Chicago, IL, USA, ³Department of Otolaryngology - Head and Neck Surgery, Nationwide Children's Hospital and The Ohio State University Wexner Medical Center, Columbus, OH, USA, ⁴Ann & Robert H. Lurie Children's Hospital

S19

IMPACT OF MICHIGAN PUBLIC ACT 246 ON OPIOID PRESCRIBING AFTER PEDIATRIC SURGERY

Madison Saunders, BS¹, Nathan Novotny, MD², Anthony Stallion, MD, MBA², Begum Akay, MD², Pavan Brahmamdam, MD, MS², **Ryan T. Davis, MD³**

¹Oakland University William Beaumont School of Medicine, Rochester Hills, MI, USA, ²Corewell Health/Oakland University William Beaumont School of Medicine, Royal Oak, MI, USA, ³Corewell Health William Beaumont University Hospital, Troy, MI, USA

S20

POTENTIAL RISK OF MISSED DIAGNOSES WHEN CHOOSING NON-OPERATIVE MANAGEMENT IN PEDIATRIC UNCOMPLICATED APPENDICITIS: IS IT WORTH IT?

Brian Hickner, MD¹, ME Guerra, MD¹, Celia D. Flores, PA-C², Joshua Korb¹, Charlene Barclay, MBA BSN RN CCRP², Timothy Lee, MD², Sundeep G. Keswani, MD¹, J. Ruben Rodriguez, MD²

¹Baylor College of Medicine, Houston, TX, USA, ²Texas Children's Hospital, Houston, TX, USA

S21

ASSOCIATION OF SOCIOECONOMIC STATUS WITH DEVELOPMENT AND SEVERITY OF NECROTIZING ENTEROCOLITIS

Omar Nasher, MD, MSc¹, **Colton D. Wayne, MD²**, Ruiqi Cen, Ph. D, MPH², Ethan Mills, BS³, Kyle J. Van Arendonk, MD PhD², Gail E. Besner, MD²

¹The Great North Children's Hospital, London, England, United Kingdom, ²Nationwide Children's Hospital, Columbus, OH, USA, ³The Ohio State University College of Medicine, Columbus, OH, USA

Scientific Session 11 - NEC

2:00pm – 3:30pm

Moderators

Hester F. Shieh, MD, Johns Hopkins All Children's Hospital, St Petersburg, FL, USA

Stewart R. Carter, MD, University of Louisville / Norton Children's Hospital, Louisville, KY, USA

S23**IMPACT OF EARLY VERSUS LATE ENTERAL FEEDING RE-INITIATION ON TISSUE REGENERATION AFTER NECROTIZING ENTEROCOLITIS IN MICE: A BASIC SCIENCE APPROACH**

Lena M. Bode, MD¹, Cody Tragesser, MD¹, Koichi Tsuboi, MD, PhD¹, Mahmoud El Baassiri, MD¹, Jeremy Young¹, Sierra Williams-McLeod, BS¹, Maame Sampah, MD, PhD¹, Thomas Prindle¹, Sanxia Wang¹, Menghan Wang¹, Chhinder P. Sodhi, PhD¹, Manuel Sollmann², William B. Fulton, MS¹, David J. Hackam, MD, PhD¹

¹Johns Hopkins Children's Center, Baltimore, MD, USA, ²Johns Hopkins University School of Medicine Anesthesiology and Critical Care Medicine

S24**ARGON INHALATION PROMOTES M1/M2 MACROPHAGE POLARIZATION DURING EXPERIMENTAL NECROTIZING ENTEROCOLITIS**

Felicia A. Balsamo, MSc, George Biouss, PhD, Jieli Yang, Mina Yeganeh, MSc, Andrea Zito, HBS, Carol Lee, MSc, Bo Li, PhD, Jason Maynes, PhD/MD, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP

The Hospital for Sick Children, Toronto, ON, Canada

S25**ADMINISTRATION OF SPECIFIC HUMAN MILK OLIGOSACCHARIDES PROTECTS AGAINST ENTERIC GLIA LOSS AND SMALL INTESTINE HYPOMOTILITY IN EXPERIMENTAL NECROTIZING ENTEROCOLITIS**

Cody Tragesser, MD¹, Chhinder P. Sodhi, PhD¹, Daniel Scheese, MD², William B. Fulton, MS¹, Johannes Duess, MD, PhD¹, Koichi Tsuboi, MD, PhD¹, Maame Sampah, MD, PhD¹, Rachael Buck, PhD³, David Hill³, Anice Sabag-Daigle³, Thomas Prindle¹, Sanxia Wang¹, Menghan Wang¹, David J. Hackam, MD, PhD¹

¹Johns Hopkins Children's Center, Baltimore, MD, USA, ²Children's Hospital of Richmond, Virginia Commonwealth University, Richmond, VA, USA, ³Nutrition Division, Abbott, Columbus, OH, USA

S26**PLASMA TLR4 LEVELS AS A BIOMARKER OF INTESTINAL TLR4 ACTIVATION IN A MOUSE MODEL OF LIPOPOLYSACCHARIDE ENDOTOXEMIA**

Cody Tragesser, MD, Johannes Duess, MD, PhD, Koichi Tsuboi, MD, PhD, Mahmoud El Baassiri, MD, Lena M. Bode, MD, Sierra Williams-McLeod, BS, Jeremy Young, William B. Fulton, MS, Sanxia Wang, Thomas Prindle, Chhinder P. Sodhi, PhD, David J. Hackam, MD, PhD

Johns Hopkins Children's Center, Baltimore, MD, USA

S27**SHORTER ANTIBIOTIC DURATION IN STAGE II NECROTIZING ENTEROCOLITIS DOES NOT INCREASE STRICTURE RATE**

Walter A. Ramsey, MD, MSPH¹, Talia R. Arcieri, MD², **Carlos T. Huerta, MD²**, Royi Lynn, n/a³, Ann-Christina Brady, MD², Chad M. Thorson, MD, MSPH², Eduardo A. Perez, MD², Juan E. Sola, MD², Anthony R. Hogan, MD²

¹University of Miami Health System, MIAMI, FL, USA, ²University of Miami Health System, Miami, FL, USA, ³University of Miami Miller School of Medicine, Miami, FL, USA

S28**ARNOLD SCHWARZENEGGER OR DANNY DEVITO? THE FATE OF TWINS WITH NECROTIZING ENTEROCOLITIS IN THE NICU**

Zane J. Hellmann, MD¹, Shahyan Ur Rehman, MD¹, Netanel Sapir¹, Robert A. Cowles, MD¹, Emily R. Christison-Lagay, MD¹, Daniel G. Solomon, MD²

¹Yale New Haven Children's Hospital, New Haven, CT, USA, ²Yale University School of Medicine, New Haven, CT, USA

S29**MECHANISMS OF INTESTINAL ORGANOID TRANSPLANTATION IN ENHANCING EPITHELIAL REGENERATION DURING EXPERIMENTAL NECROTIZING ENTEROCOLITIS**

Bo Li, PhD¹, Andrea Zito, HBS, Yi Xiong, MD², Haoyan Liang³, Jieli Yang¹, Carol Lee, MSc¹, George Biouss, PhD¹, Felicia A. Balsamo, MSc¹, Mina Yeganeh, MSc¹, Dorothy Lee, HBS, Haitao Zhu⁴, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP¹

¹The Hospital for Sick Children, Toronto, ON, Canada, ²Capital Institute of Pediatrics Affiliated Children's Hospital, Beijing, Beijing, China (People's Republic), ³Children's Hospital of Fudan University, Shanghai, Shanghai, China (People's Republic), ⁴Children's Hospital of Fudan University (Xiamen Branch), Shanghai, Shanghai, China (People's Republic)

S30**CHANGES IN GLIA ACTIVATION STATES IN PYRAMIDAL REGION OF THE HIPPOCAMPUS DURING NECROTIZING ENTEROCOLITIS**

George Biouss, PhD, Jieliang Yang, Bo Li, PhD, Bharti Khurkeja, Brian Kalish, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP

The Hospital for Sick Children, Toronto, ON, Canada

S31**RISK PREDICATION MODEL FOR PEDIATRIC SURGICAL OUTCOMES IN RESOURCE-CONSTRAINED SETTINGS**

Kathryn E. LaRusso, MD, MPH¹, Etienne St-Louis, MD CM, PhD², Anne Wesonga, MBChB³, Rob Baird, MD CM MSc⁴, Pramod S. Puligandla, MD, MSc⁵, David Chang, MPH, MBA, PhD⁶, Jean-Martin Laberge, MD CM², Sherif Emil, MD CM FACS FRCSC FAAP⁷

¹MedStar Georgetown University Hospital, Rochester, NY, USA, ²Harvey E. Beardmore Division of Pediatric Surgery, The Montreal Children's Hospital, McGill University Health Centre, Montreal, PQ, Canada, ³Mulago Hospital, Makerere University School of Medicine, Kampala, Kampala, Uganda, ⁴Division of Pediatric Surgery, British Columbia Children's Hospital, University of British Columbia, Vancouver, BC, Canada, ⁵Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada, ⁶Massachusetts General Hospital, Boston, MA, USA, ⁷Department of Pediatric Surgery, McGill University Faculty of Medicine and Health Sciences, Montreal, PQ, Canada

Scientific Session 12 - Global**2:00pm – 3:30pm**

Sacha Williams, MD, MS, MPH, PhD(c), Montreal Children's Hospital, Montreal, PQ, Canada
Jason S. Frischer, MD, Cincinnati Children's Hospital, Cincinnati, OH, USA

S32**SURGICAL RISK PREDICTION MODEL AND RISK CALCULATOR FOR NEONATES IN LOW RESOURCE SETTINGS**

Kathryn E. LaRusso, MD, MPH¹, Etienne St-Louis, MD CM, PhD², Anne Wesonga, MBChB³, Rob Baird, MD CM MSc⁴, Pramod S. Puligandla, MD, MSc⁵, David Chang, MPH, MBA, PhD⁶, Jean-Martin Laberge, MD CM², Sherif Emil, MD, CM, FACS, FRCSC, FAAP⁷

¹MedStar Georgetown University Hospital, Rochester, NY, USA, ²Harvey E. Beardmore Division of Pediatric Surgery, The Montreal Children's Hospital, McGill University Health Centre, Montreal, PQ, Canada, ³Mulago Hospital, Makerere University School of Medicine, Kampala, Kampala, Uganda, ⁴Division of Pediatric Surgery, British Columbia Children's Hospital, University of British Columbia, Vancouver, BC, Canada, ⁵Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada, ⁶Massachusetts General Hospital, Boston, MA, USA, ⁷Department of Pediatric Surgery, McGill University Faculty of Medicine and Health Sciences, Montreal, PQ, Canada

S33**UNLOCKING LOCAL FINANCING FOR PEDIATRIC SURGICAL CARE IN A REFUGEE AND RURAL CONTEXT IN TURKANA KENYA**

Neema Kaseje, MD, MPH¹, Khalid I. Hassan, MBChB, MMED SURGERY², Kennedy Oyugi³, Velma Adhiambo³, Loito Ikamar⁴, Dennis Opondo⁵, Patrick Ikileng Oguti⁶, Kefa Otieno Ojwando⁷

¹SSRG/Lodwar County Referral Hospital, Kisumu, Nyanza, Kenya, ²Turkana Ministry of Health, Lodwar, Rift Valley, Kenya, ³Tropical Institute of Community Health, Kisumu, Nyanza, Kenya, ⁴Lodwar County Referral Hospital, Lodwar, Rift Valley, Kenya, ⁵Kenya Red Cross, Kakuma, Rift Valley, Kenya, ⁶UNHCR Kakuma, Kakuma, Rift Valley, Kenya, ⁷International Rescue Committee Kakuma, Kakuma, Rift Valley, Kenya

S34**EFFECT OF DISTANCE TO CARE ON PEDIATRIC TRAUMA OUTCOMES IN CENTRAL MALAWI**

Madhushree Zope, MD, MS¹, Jotham Gondwe², Cyrus S. Sinai³, Anthony Charles, MD, MPH⁴, Amarylis Mapurisa, MBBS⁵, Bip Nandi, MBBChir⁶, Lindsey L. Wolf, MD, MPH⁷

¹University of Alabama at Birmingham, Birmingham, AL, USA, ²UNC Project Malawi, Lilongwe, Lilongwe, Malawi, ³University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, ⁴University of North Carolina - Department of Surgery, Chapel Hill, NC, USA, ⁵Kamuzu Central Hospital, Lilongwe, Lilongwe, Malawi, ⁶Baylor College of Medicine, Kamuzu Central Hospital, Lilongwe, Lilongwe, Malawi, ⁷University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock, AR, USA

S35**UTILITY OF PAEDIATRIC DAYCASE SURGERY IN A RURAL SETUP IN SUB SAHARAN AFRICA**

Bethleen Waisiko, BSc, MBChB, FCS (ECSA)¹, David Rerimoi, BSc, FIA², John Kennedy Muma Nyagetuba, MBChB, Mmed, FCS-ECSA, MBA³

¹Bethany Kids- AIC Kijabe Hospital, N/a, Central, Kenya, ²Institute and Faculty of Actuaries, Kabartonjo, Rift Valley, Kenya, ³Bethany Kids- AIC Kijabe Hospital, Kiambu, Central, Kenya

S36**CAPACITY STRENGTHENING INTERVENTIONS TO IMPROVE ACCESS TO PEDIATRIC SURGERY IN LOW-MIDDLE INCOME COUNTRIES: A SYSTEMATIC REVIEW**

Mahnoor Malik, BHSc¹, Syeda Namayah Fatima Hussain, MBBS², Heewon Yoon, MBBS³, Amanpreet Brar, MD⁴, Soham Bandyopadhyay⁵, Kokila Lakhoo, PhD⁶, Sharifa Himidan, MBBS, FRCSc, MBA⁷

¹Temerty Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada, Toronto, ON, Canada, ²Liaquat National Hospital, Karachi, Sindh, Pakistan, ³Buckinghamshire Healthcare NHS Trust, Aylesbury, England, United Kingdom, ⁴University of Michigan, Ann Arbor, MI, USA, ⁵University of Oxford, oxford, England, United Kingdom, ⁶University of Oxford, UK, Oxford, England, United Kingdom, ⁷University Hospitals Cleveland Ohio, Cleveland, OH, USA

S37**COMPARISON OF PSI, RPSI AND SIPA IN TRIAGING INJURED CHILDREN WITHIN A RESOURCE-SCARCE LMIC SETTING**

Pallavi V. Menon, BA, BSc, MS, MSc¹, Nathan Georgette, MD², Charbel Chidiac, MD¹, Elizabeth G. Saoud, BS¹, Robert C. Keskey, MD³, John L. Bruce, MBChB, FCS (SA)⁴, Howard Wain, MBChB; FCS(SA)⁴, Adam Laytin, MD, MPH¹, Daniel S. Rhee, MD⁵, Sean Tackett, MD, MPH¹, Isam W. Nasr, MD⁶, **Mark B. Slidell, MD¹**, Damian Clarke, FCS(SA), PhD, MBA⁴

¹Johns Hopkins University School of Medicine, Baltimore, MD, USA, ²Harvard Medical School, Boston, MA, USA, ³University of Chicago, Chicago, IL, USA, ⁴University of KwaZulu-Natal, Pietermaritzburg, KwaZulu-Natal, South Africa, ⁵Division of Pediatric Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, Baltimore, MD, USA, ⁶Division of Pediatric Surgery, Johns Hopkins School of Medicine, Baltimore, MD, USA

S38**GAPS IN CAPACITY FOR CHILDREN'S SURGICAL CARE AT DISTRICT HOSPITALS IN SUB SAHARAN AFRICA**

Justina Seyi-Olajide, MBBS, FWACS¹, Doruk Ozgediz, MD, MSc², Emmanuel Ameh, MBBS, FWACS³

¹McGill University & Harvey E. Beardmore Division of Pediatric Surgery, MCH, Montreal, PQ, Canada, ²University of California, San Francisco, San Francisco, CA, USA, ³National hospital Abuja, Abuja, Federal Capital Territory, Nigeria

S140**INTESTINAL EPITHELIUM DYSREGULATION IN NECROTIZING ENTEROCOLITIS**

Yi Xiong, MD¹, Andrea Zito, HBSc², Haoyan Liang³, George Biouss, PhD², Jieli Yang², Felicia A. Balsamo, MSc², Mina Yeganeh, MSc², Carol Lee, MSc², Dorothy Lee, HBSc², Haitao Zhu⁴, Bo Li, PhD², Agostino Pierro, OBE, MD, FRCs(Eng.), FRCs(Ed), FAAP²

¹Capital Institute of Pediatrics Affiliated Children's Hospital, Beijing, Beijing, China (People's Republic), ²The Hospital for Sick Children, Toronto, ON, Canada, ³Children's Hospital of Fudan University, Shanghai, Shanghai, China (People's Republic), ⁴Children's Hospital of Fudan University (Xiamen Branch), Shanghai, Shanghai, China (People's Republic)

Scientific Session 13 - Oncology**4:00pm – 5:30pm**

Kathleen van Leeuwen, MD, Phoenix Children's Hospital, Phoenix, AZ, USA

Reto M. Baertschiger, MD, PhD, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

S40**DEVELOPING A ROADMAP FOR PATIENT CENTERED OUTCOMES RESEARCH (PCOR): A REPORT FROM THE PATIENT-CENTERED OUTCOME RESEARCH INSTITUTE (PCORI) AND PEDIATRIC SURGICAL ONCOLOGY RESEARCH CONSORTIUM (PSORC)**

Peter Ehrlich, MD¹, Elisabeth T. Tracy, MD², Barrie Rich, MD³, Dave R. Lal, MD, MPH⁴, Timothy B. Lautz, MD⁵, Richard D. Glick, MD⁶, Erin G. Brown, MD⁷, Janet Panoch, PhD⁸, Roshni Dasgupta, MD, MPH⁹

¹C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA, ²Department of Pediatric Surgery, Duke University Medical Center, Durham, North Carolina, Durham, NC, USA, ³Donald and Barbara Zucker School of Medicine, New Hyde Park, NY, USA, ⁴Children's Wisconsin/Medical College of Wisconsin, Whitefish Bay, WI, USA, ⁵Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁶Northwell Health, Cohen Children's Medical Center, New Hyde Park, NY, USA, ⁷Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA, ⁸Indiana University School of Medicine, Greencastle, IN, USA, ⁹Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA

S41**AGE-RELATED VARIATIONS IN PRESENTATION AND OUTCOMES OF PEDIATRIC ADRENOCORTICAL CARCINOMA: A PEDIATRIC SURGICAL ONCOLOGY RESEARCH COLLABORATIVE STUDY**

Shachi Srivatsa, MD, MPH¹, Jennifer H. Aldrink, MD², Md Rejuan Haque, PhD³, Andrew J. Murphy, MD⁴, Erika A. Newman, MD⁵, Peter Mattei, MD⁶, Timothy B. Lautz, MD⁷, Nelson Piche, MD⁸, Stephanie F. Polites, MD, MPH⁹, Kimberly J. Riehle, MD¹⁰, Marcus M. Malek, MD¹¹, Shannon L. Castle, MD¹², Jonathan Roach, MD¹³, Brian T. Craig, MD¹⁴, Barrett P. Cromeens, DO, PhD¹⁵, Mary T. Austin, MD, MPH¹⁶, Zachary J. Kastenber, MD, MS¹⁷, Hau D. Le, MD¹⁸, Daniel S. Rhee, MD¹⁹, Danielle B. Cameron, MD, MPH²⁰, Barrie Rich, MD²¹, Elizabeth A. Fialkowski, MD²², Erin G. Brown, MD²³, Christa Grant, MD²⁴, Roshni Dasgupta, MD, MPH²⁵, Sara A. Mansfield, MD²⁶

¹Nationwide Childrens Hospital, The Ohio State University College of Medicine, Grandview Heights, OH, USA,

²Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, ³The Ohio State University Wexner Medical Center, Columbus,

OH, USA, ⁴Department of Surgery, St. Jude Children's Research Hospital/Division of Pediatric Surgery, University of

Tennessee Health Science Center, Memphis, TN, USA, ⁵C. S. Mott Children's Hospital, University of Michigan, Ann Arbor,

MI, USA, Ann Arbor, MI, USA, ⁶Children's Hospital of Philadelphia, Philadelphia, PA, Philadelphia, PA, USA, ⁷Department

of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁸Division of Pediatric

Surgery, Centre Hospitalier Universitaire Ste-Justine, Université de Montréal, Montréal, Québec, Canada, Montreal,

PQ, Canada, ⁹Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, ¹⁰Division of Pediatric General

and Thoracic Surgery, Seattle Children's Hospital, Seattle WA, Seattle, WA, USA, ¹¹Division of Pediatric General and

Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, ¹²Division of Pediatric Surgery, Valley

Children's Hospital, Madera, CA, Madera, CA, USA, ¹³Department of Pediatric Surgery, Children's Hospital of Colorado,

Denver, Colorado, Aurora, CO, USA, ¹⁴Division of Pediatric Surgery, Medical College of Wisconsin, Children's Wisconsin,

Milwaukee, WI, Milwaukee, WI, USA, ¹⁵Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School

of Medicine, Indianapolis, IN, Indianapolis, IN, USA, ¹⁶MD Anderson Cancer Center, Houston, TX, USA, ¹⁷Department

of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake

City, UT, USA, ¹⁸Division of Pediatric Surgery, American Family Children's Hospital, University of Wisconsin School of

Medicine and Public Health, Madison, WI, Madison, WI, USA, ¹⁹Division of Pediatric Surgery, Department of Surgery,

Johns Hopkins University School of Medicine, Baltimore, MD, USA, Baltimore, MD, USA, ²⁰Division of Pediatric Surgery,

Department of Surgery, Massachusetts General Hospital, Boston, MA, Boston, MA, USA, ²¹Donald and Barbara Zucker

School of Medicine, New Hyde Park, NY, USA, ²²Department of Surgery, Oregon Health & Science University, Portland,

OR, Portland, OR, USA, ²³Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's

Hospital, Sacramento, CA, USA, Sacramento, CA, USA, ²⁴New York Medical College, Valhalla, NY, Valhalla, NY, USA,

²⁵Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA,

²⁶Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College

of Medicine, Columbus, OH, USA, Columbus, OH, USA

S42**SURGICAL APPROACH AND OUTCOMES FOR PEDIATRIC ADRENOCORTICAL CARCINOMA: A PEDIATRIC SURGICAL ONCOLOGY RESEARCH COLLABORATIVE STUDY**

Shachi Srivatsa, MD, MPH¹, Jennifer H. Aldrink, MD², Md Rejuan Haque, PhD³, Andrew J. Murphy, MD⁴, Erika A. Newman, MD⁵, Peter Mattei, MD⁶, Timothy B. Lautz, MD⁷, Nelson Piche, MD⁸, Stephanie F. Polites, MD, MPH⁹, Kimberly J. Riehle, MD¹⁰, Marcus M. Malek, MD¹¹, Shannon L. Castle, MD¹², Jonathan Roach, MD¹³, Brian T. Craig, MD¹⁴, Barrett P. Cromeens, DO, PhD¹⁵, Mary T. Austin, MD, MPH¹⁶, Zachary J. Kastenber, MD, MS¹⁷, Hau D. Le, MD¹⁸, Daniel S. Rhee, MD¹⁹, Danielle B. Cameron, MD, MPH²⁰, Barrie Rich, MD²¹, Elizabeth A. Fialkowski, MD²², Erin G. Brown, MD²³, Christa Grant, MD²⁴, Roshni Dasgupta, MD, MPH²⁵, Sara A. Mansfield, MD²⁶

¹Nationwide Childrens Hospital, The Ohio State University College of Medicine, Grandview Heights, OH, USA,

²Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University

College of Medicine, Columbus, OH, Columbus, OH, USA, ³The Ohio State University Wexner Medical Center, Columbus,

OH, USA, ⁴Department of Surgery, St. Jude Children's Research Hospital/Division of Pediatric Surgery, University of

Tennessee Health Science Center, Memphis, TN, USA, ⁵C. S. Mott Children's Hospital, University of Michigan, Ann Arbor,

MI, USA, Ann Arbor, MI, USA, ⁶Children's Hospital of Philadelphia, Philadelphia, PA, Philadelphia, PA, USA, ⁷Department

of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁸Division of Pediatric

Surgery, Centre Hospitalier Universitaire Ste-Justine, Université de Montréal, Montréal, Québec, Canada, Montreal,

PQ, Canada, ⁹Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, ¹⁰Division of Pediatric General

and Thoracic Surgery, Seattle Children's Hospital, Seattle WA, Seattle, WA, USA, ¹¹Division of Pediatric General and

Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, ¹²Division of Pediatric Surgery, Valley

Children's Hospital, Madera, CA, Madera, CA, USA, ¹³Department of Pediatric Surgery, Children's Hospital of Colorado,

Denver, Colorado, Aurora, CO, USA, ¹⁴Division of Pediatric Surgery, Medical College of Wisconsin, Children's Wisconsin,

Milwaukee, WI, Milwaukee, WI, USA, ¹⁵Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School

of Medicine, Indianapolis, IN, Indianapolis, IN, USA, ¹⁶MD Anderson Cancer Center, Houston, TX, USA, ¹⁷Department of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake City, UT, USA, ¹⁸Division of Pediatric Surgery, American Family Children's Hospital, University of Wisconsin School of Medicine and Public Health, Madison, WI, Madison, WI, USA, ¹⁹Division of Pediatric Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, Baltimore, MD, USA, ²⁰Division of Pediatric Surgery, Department of Surgery, Massachusetts General Hospital, Boston, MA, Boston, MA, USA, ²¹Donald and Barbara Zucker School of Medicine, New Hyde Park, NY, USA, ²²Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, ²³Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA, ²⁴New York Medical College, Valhalla, NY, Valhalla, NY, USA, ²⁵Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA, ²⁶Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA

S43

SOCIAL DEPRIVATION INFLUENCES NEUROBLASTOMA PROGRESSION VIA PI3K/AKT/MTOR ACTIVATION

Keyonna Williams, MD¹, Sahiti Chukkapalli, MS¹, Olivia Tussing, BS¹, Kenneth Resnicow, PhD¹, Erika A. Newman, MD²

¹University of Michigan, Ann Arbor, MI, USA, ²C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA

S44

UPFRONT VERSUS DELAYED RESECTION EQUIVOCAL IN LOCALLY ADVANCED MALIGNANT RHABDOID TUMOR OF THE KIDNEY, A PEDIATRIC SURGICAL ONCOLOGY COLLABORATIVE STUDY

Hannah N. Rinehardt, MD¹, Elisabeth T. Tracy, MD², Anghela Paredes, MD¹, Joseph C. Fusco, MD³, Zachary J. Kastenberg, MD, MS⁴, Jonathan Roach, MD⁵, Bhargava Mullapudi, MD⁶, Timothy B. Lautz, MD⁷, Roshni Dasgupta, MD, MPH⁸, Lindsay J. Talbot, MD⁹, Jennifer H. Aldrink, MD¹⁰, Nelson Piche, MD¹¹, Brian T. Craig, MD¹², Barrett P. Cromeens, DO, PhD¹³, Shannon L. Castle, MD¹⁴, Joshua J. Short¹⁵, Robin T. Petroze, MD MPH¹⁶, Peter Mattei, MD¹⁷, David H. Rothstein, MD, MS¹⁸, Elizabeth A. Fialkowski, MD¹⁹, Barrie Rich, MD²⁰, Erin G. Brown, MD²¹, Natasha Seemann, MD, MSc²², Hau D. Le, MD²³, Tamer M. Ahmed, MD²⁴, Peter Ehrlich, MD¹⁶, Christa Grant, MD²⁵, Stephanie F. Polites, MD, MPH²⁶, Danielle B. Cameron, MD, MPH²⁷, Eugene S. Kim, MD²⁸, Mary T. Austin, MD, MPH²⁹, Brian A. Coakley, MD, FACS, FAAP, Dipl ABOM³⁰, Joseph T. Murphy, MD³¹, Chloé Boehmer, MA⁸, Marcus M. Malek, MD³²

¹Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, ²Department of Pediatric Surgery, Duke University Medical Center, Durham, North Carolina, Durham, NC, USA, ³Department of Pediatric Surgery, Vanderbilt University Medical Center, Nashville, TN, USA, ⁴Department of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake City, UT, USA, ⁵Department of Pediatric Surgery, Children's Hospital of Colorado, Denver, Colorado, Aurora, CO, USA, ⁶Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA, ⁷Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁸Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA, ⁹Department of Surgery, St Jude Children's Research Hospital, Memphis, TN, Memphis, TN, USA, ¹⁰Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, ¹¹Division of Pediatric Surgery, Centre Hospitalier Universitaire Ste-Justine, Université de Montréal, Montréal, Québec, Canada, Montreal, PQ, Canada, ¹²Division of Pediatric Surgery, Medical College of Wisconsin, Children's Wisconsin, Milwaukee, WI, Milwaukee, WI, USA, ¹³Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN, Indianapolis, IN, USA, ¹⁴Division of Pediatric Surgery, Valley Children's Hospital, Madera, CA, Madera, CA, USA, ¹⁵Children's Minnesota; Pediatric Surgical Associates, Minneapolis, MN, USA, ¹⁶C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA, ¹⁷Children's Hospital of Philadelphia, Philadelphia, PA, Philadelphia, PA, USA, ¹⁸Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, ¹⁹Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, ²⁰Donald and Barbara Zucker School of Medicine, New Hyde Park, NY, USA, ²¹Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA, ²²Division of Pediatric Surgery, Children's Hospital, London Health Sciences Centre, London, ON, Canada, London, ON, Canada, ²³Division of Pediatric Surgery, American Family Children's Hospital, University of Wisconsin School of Medicine and Public Health, Madison, WI, Madison, WI, USA, ²⁴Division of Pediatric Surgery, SUNY Upstate Medical University, Syracuse, NY, Syracuse, NY, USA, ²⁵New York Medical College, Valhalla, NY, Valhalla, NY, USA, ²⁶Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, ²⁷Division of Pediatric Surgery, Department of Surgery, Massachusetts General Hospital, Boston, MA, Boston, MA, USA, ²⁸Division of Pediatric Surgery, Cedars-Sinai Medical Center, Los Angeles, CA, Los Angeles, CA, USA, ²⁹MD Anderson Cancer Center, Houston, TX, USA, ³⁰New York, NY, USA, ³¹Children's Health Children's Medical Center, University of Texas Southwestern, Dallas, TX, Dallas, TX, USA, ³²Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

S45

TRAINED TUMOR SPECIFIC T-CELLS FOR MELANOMA IMMUNOTHERAPY

Alex I. Halpern, MD¹, Xiaofang Wu, MD¹, Mousumi Basu, BS¹, Sarah L. Wright, MD¹, Anthony D. Sandler, MD²

¹Children's National Hospital, Washington, DC, USA, ²Children's National Hospital, Washington, DC, Washington, DC, USA

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IMPACT OF DIAGNOSTIC BIOPSY TECHNIQUE ON THE ADEQUACY OF BIOLOGIC DATA REQUIRED TO RISK-STRATIFY PATIENTS WITH NON-HIGH-RISK NEUROBLASTOMA: A REPORT FROM THE CHILDREN'S ONCOLOGY GROUP

Kristine S. Corkum, MD¹, Holly J. Meany, MD², Jed G. Nuchtern, MD³, Navin Pinto¹, Arlene Naranjo, PhD⁴, Edward Attiyeh⁵, Rochelle Bagatell, MD⁵, Clare J. Twist, MD⁶, Meredith Irwin⁷, Steven Dubois⁸, John M. Maris, MD⁵, Mary Lou Schmidt, MD⁹, Araz Marachelian¹⁰, E Stanton S. Adkins, MD¹¹, Michael B. Armstrong, MD/PhD¹², Peter Zage¹³, Christopher Weldon, MD PhD¹⁴, Julie Park, MD¹⁵, Dave R. Lal, MD, MPH¹⁶

¹Children's Hospital Colorado, Aurora, CO, USA, ²Children's National, Washington, DC, USA, ³Baylor College of Medicine, Houston, TX, USA, ⁴University of Florida Children's Oncology Group Statistics & Data Center, Gainesville, FL, USA, ⁵Children's Hospital of Philadelphia, Philadelphia, PA, USA, ⁶Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA, ⁷The Hospital for Sick Children, Toronto, ON, Canada, ⁸Dana-Farber Cancer Institute, Boston, MA, USA, ⁹University of Illinois at Chicago, Chicago, IL, USA, ¹⁰Children's Hospital Los Angeles, Los Angeles, CA, USA, ¹¹University of South Carolina, School of Medicine, Columbia, SC, USA, ¹²Duke University, Durham, NC, USA, ¹³University of California San Diego, La Jolla, CA, USA, ¹⁴Boston Children's Hospital, Boston, MA, USA, ¹⁵St. Jude Children's Research Hospital, Memphis, TN, USA, ¹⁶Children's Wisconsin/Medical College of Wisconsin, Whitefish Bay, WI, USA

S47

MANAGEMENT OF TYROSINE KINASE INHIBITOR-RELATED PNEUMOTHORAX IN PATIENTS WITH METASTATIC SARCOMA

Jeremy Jen, MD¹, Samir Michael, MD¹, Jacqueline S. Cho², Damon Reed, MD¹, Enrico Danzer, MD³, Michael P. LaQuaglia, MD, FACS, FRCS¹, Justin T. Gerstle, MD¹, Joshua Honeyman, MD¹

¹Memorial Sloan Kettering Cancer Center, New York, NY, USA, ²Memorial Sloan Kettering Cancer Center, Oakland Gardens, NY, USA, ³MSKCC, New York, NY, USA

S48

USE OF NICOTINIC ACID TO WIDEN THE THERAPEUTIC INDEX OF NAMPT INHIBITOR FK866 IN NEUROBLASTOMA

Shahyan Ur Rehman, MD¹, Karlie N. Lucas², Angela Kim³, Zane J. Hellmann, MD¹, Sam Friedman³, Robert A. Cowles, MD¹, David H. Stitelman, MD⁴, Emily R. Christison-Lagay, MD¹, Juan Vasquez, MD⁵

¹Yale New Haven Children's Hospital, New Haven, CT, USA, ²Yale University, Trumbull, CT, USA, ³Yale University, New Haven, CT, USA, ⁴Yale-New Haven Children's Hospital, New Haven, CT, USA, ⁵Yale School of Medicine, New Haven, CT, USA

S49

THE IN VIVO DISTAL MODELING OF THE ZIKA VIRAL THERAPY OF HIGH-RISK NEUROBLASTOMA REQUIRES PERMISSIVE HOST CELLS AT THE POINT OF CONTACT FOR EFFICIENT TUMOR ELIMINATION

Joseph Mazar, PhD¹, Emma Sutton, BS², Rosa Rosario¹, Simon P. Cooper, BS², Tamarah J. Westmoreland, MD, PhD³

¹Nemours Children's Hospital, Orlando, FL, USA, ²Nemours Children's Health, Orlando, FL, USA, ³Nemours Children's Hospital, FL, Orlando, FL, USA

S50

DISPARITIES IN ENGAGEMENT WITH AN ARTIFICIAL INTELLIGENCE-BASED INTERVENTION POST-APPENDECTOMY

Anna M. Lin, MD¹, Cynthia Zettler-Greely, PhD², Patrick Barth, MD³, Natalina Zisa⁴, Loren Berman, MD⁵

¹Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, ²Nemours Children's Health, Wilmington, DE, USA, ³Nemours Children's Health, Wilmington, DE, USA, ⁴Nemours Children's Hospital, Orlando, FL, USA, ⁵Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

Scientific Session 14 - General Pediatric Surgery 3

4:00pm – 5:30pm

Jamie Robinson, MD, MS, PhD, Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA

Steven L. Lee, MD, MBA, Seattle Children's Hospital, Seattle, WA, USA

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#CBCLIPS: THE INTERNATIONAL IMPACT OF A SOCIAL MEDIA-BASED PEDIATRIC SURGERY INTERACTIVE EDUCATIONAL PROGRAM

Julia Ferreira, MD, MSc¹, Boaz Laor², Elena Guadagno, MLIS², Sherif Emil, MD, CM, FACS, FRCSC, FAAP³

¹Department of Pediatric Surgery; The Montreal Children's Hospital; McGill University Health Centre, Toronto, PQ, Canada,

²Harvey E. Beardmore Division of Pediatric Surgery; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ³Department of Pediatric Surgery; McGill University Faculty of Medicine and Health Sciences, Montreal, PQ, Canada

S52

THE IMPACT OF INTERHOSPITAL TRANSFER ON CHILDREN WITH ACUTE APPENDICITIS IN CALIFORNIA, FLORIDA, AND NEW YORK

Stephanie E. Iantorno, MD, MS¹, Jack H. Scaife, BA², Marta L. McCrum, MD, MPH¹, Jacoby R. Bryce, BS¹, Meng Yang, MS, Brian T. Bucher, MD, MS³

¹University of Utah Health, Salt Lake City, UT, USA, ²University of Utah School of Medicine, Salt Lake City, UT, USA,

³University of Utah, Salt Lake City, UT, USA

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THE IMPACT OF A PEDIATRIC SURGERY FUNDAMENTALS BOOT CAMP ON NEW SURGICAL TRAINEES' PERCEIVED KNOWLEDGE AND CONFIDENCE LEVELS

Julia Ferreira, MD, MSc¹, Fabio Botelho, MD MSc², Wassila Ait Igrine, MD³, Farhan Banji, MD⁴, Gianluca Bertolizio, MD, MSc³, Sam Daniel, MD, CM⁵, Thomas Engelhardt, MD³, Chantal Frigon, MD, MSc³, Lily Nguyen, MD⁵, Catherine Paquet, MD³, Dan Poenaru, MD PhD⁶, Pramod S. Puligandla, MD, MSc⁷, Hussein Wissanji, MD⁸, Davinia Withington, MD³, Yasmine Yousef, MD, CM⁵, Sherif Emil, MD, CM, FACS, FRCSC, FAAP⁹

¹Department of Pediatric Surgery; The Montreal Children's Hospital; McGill University Health Centre, Toronto, PQ, Canada,

²Department of Pediatric Surgery, The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ³Department of Anesthesia; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ⁴Department of Pediatrics; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ⁵Department of Pediatric Surgery; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ⁶McGill University Health Centre, Montreal, PQ, Canada, ⁷Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada, ⁸The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, ⁹Department of Pediatric Surgery; McGill University Faculty of Medicine and Health Sciences, Montreal, PQ, Canada

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PEDIATRIC RARE EARTH MAGNET INGESTION: DEFINING "PROGRESSION" IN SERIAL ABDOMINAL IMAGING

Meagan Rosenberg, MD¹, Aixa Perez Coulter, MS, MPH², Victoria Pepper, MD³, Gregory T. Banever, MD, FACS, FAAP³, David B. Tashjian, MD, FACS, FAAP³, Kevin P. Moriarty, MD, FACS, FAAP³, Michael V. Tirabassi, MD, FACS, FAAP³

¹Department of General Surgery, UMass Chan-Baystate Medical Center, Springfield, MA, USA, ²Department of General Surgery, UMass Chan Medical School - Baystate, Springfield, MA, USA, ³Division of Pediatric Surgery, UMass Chan Medical School - Baystate, Springfield, MA, USA

S55

BRIDGING THE GAP: IDENTIFYING DEPRESSION AND SUICIDALITY IN PEDIATRIC SURGICAL PATIENTS AND THE NEED FOR EARLY SCREENING

Erin West, DO¹, Tiffany Zheng, MD², Ben A. Keller, MD³, Alyssa Taylor, Alyssa Carroll, Andrea Krzyzaniak, MA⁴, Richard Y. Calvo, PhD⁵, Michael Krzyzaniak, Vishal Bansal, MD⁵, Romeo C. Ignacio Jr.

¹Department of Surgery, Naval Medical Center, San Diego, CA, USA, ²University of San Diego, San Diego, CA, USA,

³Rady Children's Hospital, San Diego, CA, USA, ⁴Scripps Mercy Hospital San Diego, San Diego, CA, USA, ⁵Scripps Mercy Hospital, San Diego, CA, USA

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EMS TRANSPORT OF PEDIATRIC TRAUMA PATIENTS DIFFERS BY RACE AND ETHNICITY IN THE UNITED STATES

Zoe E. Flyer, DO¹, Annie Giron, MD², John Schomberg, PhD, MPH¹, Ana Maria Dumitru, MD, PhD³, Remle Crowe⁴, Ali Treichel⁴, Lawrence Brown⁵, Peter T. Yu, MD, MPH¹

¹Children's Hospital of Orange County, Orange, CA, USA, ²Children's Hospital of Orange County, Irvine, CA, USA,

³Children's Hospital of Philadelphia; University of California San Diego Health, Philadelphia, PA, USA, ⁴ESO, Austin, TX, USA, ⁵University of Texas at Austin, Austin, TX, USA

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IDENTIFYING DISPARITIES IN PEDIATRIC SAME-DAY SURGERY CANCELLATIONS: IMPACT OF RACE AND SOCIOECONOMIC FACTORS IN A PEDIATRIC HEALTH SYSTEM

Nicole M. Santucci, MD, MA, Daniel M. Alligood, MD, Amanda Maytin-Hevia, Danyi Wang, Jessica Conway, BSN, RN, Kelly Chilson, MD, Jesse D. Vrecenak, MD, Andrew Yeh, MD, Colin Martin, MD

Washington University in St Louis, St Louis, MO, USA

S59

SWITCHING LANES: LEAVING BEHIND DISCHARGE ANTIBIOTICS AND LABORATORY TESTING IN PERFORATED APPENDICITIS

Seth A. Saylor, MD MS¹, Cory Nonnemacher, MD², Meredith Elman, MD², Pablo Aguayo, MD², Richard J. Hendrickson, MD³, David Juang, MD², Irene Isabel P. Lim, MD MPH³, Bhargava Mullapudi, MD², Rebecca M. Rentea, MD MS MBA³, Charles L. Snyder, MD², Shawn D. St. Peter, MD², Tolulope Oyetunji, MD MPH²

¹Children's Mercy, Kansas City, MO, USA, ²Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA, ³Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA

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SMART SILO: GASTROSCHISIS SILO THAT CAN MEASURE ABDOMINAL COMPARTMENT PRESSURE

Sunghoon Kim, MD¹, Olajire Idowu, MD², Anna Zhao, MD³

¹University of California, San Francisco, Oakland, CA, USA, ²University of California San Francisco, Oakland, CA, USA,

³University of California San Francisco

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RECURRENCE AFTER SURGICAL CONGENITAL DIAPHRAGMATIC HERNIA REPAIR, A LARGE, TEN-YEAR SINGLE CENTER REVIEW

Felix Rafael De Bie, MD, PhD, MBE¹, Sabrina Flohr², Leny Mathew, PhD², Sierra Land², Tom Reynolds², Holly Hedrick

¹Duke University Health Systems, Durham, NC, USA, ²The Children's Hospital of Philadelphia, Philadelphia, PA, USA

Scientific Session 15 - CDH ECMO

4:00pm – 5:30pm

Michael W. Dingeldein, MD¹, Rachael Sundland, MD²

¹Rainbow Babies and Children Hospital, Cleveland, OH, USA, ²Maimonides Medical Center, Brooklyn, NY, USA

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NOVEL NAPSIN A PROTEIN EXPRESSION IN CONGENITAL DIAPHRAGMATIC HERNIA

Kylie I. Holden, MD MS¹, Siqin Zhaorigetu, PhD¹, Di Jin, MS², Matthew T. Harting, MD MS³

¹University of Texas at Houston, Houston, TX, USA, ²McGovern Medical School at UTHealth, Houston, TX, USA, ³University of Texas McGovern Medical School at UTHealth, Houston, TX, USA

EVALUATION OF TIMING OF REPAIR OF CONGENITAL DIAPHRAGMATIC HERNIA IN PREMATURE INFANTS

Yeu Sanz Wu, MD¹, Alysala Malik², Ashley H. Ebanks, NP³, Christopher Nemeah, MD⁴, Caitlin J. Cain-Trivette, MD⁵, Usha Krishnan⁶, Darina Kirilina, Paul Kurlansky, MD⁷, Vincent P. Duron, MD⁸

¹Columbia University Irving Medical Center, New York, NY, USA, ²Columbia University Irving Medical Center, New York City, NY, USA, ³University of Texas at Houston, Houston, TX, USA, ⁴Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, Wayne, NJ, USA, ⁵Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, New York, NY, USA, ⁶Columbia University Irving Medical Center, New York, NY, USA, ⁷Columbia University, New York City, NY, USA, ⁸New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA

S63**UNTOLD STORIES: A QUALITATIVE INVESTIGATION OF PATIENT AND FAMILY EXPERIENCES WITH CONGENITAL DIAPHRAGMATIC HERNIA**

Alexandra Dimmer, MD, MSc¹, Zanib Nafees, MSc, PhD(c)², Sabrina Beauseigle, RN, BScn³, Franco A. Carnevale, PhD(Psych), PhD(Phil)⁴, Elena Guadagno, MLIS⁵, Dan Poenaru, MD PhD⁶, Pramod S. Puligandla, MD, MSc⁷

¹The Montreal Children's Hospital - McGill University Health Centre, Syracuse, NY, USA, ²Harvey E. Beardmore Division of Pediatric Surgery, The Montreal Children's Hospital, McGill University Health Centre, Montreal, Quebec, Canada, Montreal, PQ, Canada, ³The Montreal Children's Hospital - McGill University Health Centre, Montreal, PQ, Canada, ⁴Associate Member, Pediatric Critical Care, The Montreal Children's Hospital, McGill University Health Centre, Montreal, Quebec, Canada; Ingram School of Nursing, McGill University, Montreal, Quebec, Canada, Montreal, PQ, Canada, ⁵Harvey E. Beardmore Division of Pediatric Surgery;The Montreal Children's Hospital;McGill University Health Centre, Montreal, PQ, Canada, ⁶McGill University Health Centre, Montreal, PQ, Canada, ⁷Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada

S64**THE CRESCENT RA™ VV ECMO CANNULA: AN ANALYSIS OF ASSOCIATED CARDIOVASCULAR INJURIES**

Michael Sobolic, MD¹, Yujin Park, MD, MS², Michael Chmiel¹, Ryan P. Barbaro, MD, MS³, Ameer Bigelow, MD⁴, Laura A. Boomer, MD⁵, Cole Burgman⁶, Dan Byron⁷, Michael Buoncristiani⁸, Jolynne Carl⁴, Nicholas R. Carr, DO⁹, Stephanie D. Chao, MD¹⁰, Anthony Chin, MD, MS, MBA¹¹, Erin Cicalese, MD¹², Katherine C. Clement, MD¹³, Goeto Dantes, MD¹⁴, William Dugal, MD¹⁵, Senan Hadid, MD¹⁶, Justin Henson¹⁷, Laura Hollinger, MD¹⁸, Swosti Joshi, MD¹⁹, Harry J. Kallas, MD²⁰, Vinay Kalvacherla, MD⁹, Sarah Keene, MD²¹, Laura Kenny²², Eric Lloyd, MD⁴, Dimitra Lotakis, MD²³, Candace Mannarino, MD⁷, Stephanie N. Mateev, MD²², Ogechukwu Menkiti, MD¹⁹, Laurel Metzler, MD²⁴, William Middlesworth, MD²⁵, Mark S. Molitor, MD²⁶, Miranda Morrison²⁷, George B. Mychaliska, MD²⁸, Jaclynne Nader, MD¹², Brielle Ochoa, MD²⁹, Meagan E. Peterson, MD¹⁰, Thomas Prankoff³⁰, Vilmaris Quinones Cardona, MD¹⁹, Eric J. Rellinger, MD³¹, Kathleen Ryan, MD¹⁰, Daniel Scheese, MD³², Nicholas Schmoke, MD³³, Joanne P. Starr, MD³⁴, Pratibha Thakkar, MD³⁵, Sharada H. Gowda, MD³⁶, Brian W. Gray, MD¹

¹Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, ²Indiana University School of Medicine, Indianapolis, IN, USA, ³Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, ⁴The Heart Center, Nationwide Children's Hospital, Columbus, OH, USA, ⁵Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA, ⁶Department of Pediatrics, Baylor College of Medicine, Houston, TX, USA, ⁷Lurie Children's Hospital of Chicago, Chicago, IL, USA, ⁸University of Kentucky College of Medicine, Lexington, KY, USA, ⁹Intermountain Health, University of Utah, Provo, UT, USA, ¹⁰Stanford University School of Medicine, Palo Alto, CA, USA, ¹¹Division of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, ¹²Department of Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL, ¹³Hassenfeld Children's Hospital at New York University, New York, NY, USA, ¹⁴University of North Carolina, Department of Pediatrics, Chapel Hill, NC, USA, ¹⁵Emory University/Children's Healthcare of Atlanta, Atlanta, GA, USA, ¹⁶Wake Forest University School of Medicine, Winston-Salem, NC, USA, ¹⁷University of New Mexico School of Medicine, SE Albuquerque, NM, USA, ¹⁸Comprehensive Care Services, Albuquerque, NM, USA, ¹⁹Medical University of South Carolina, North Charleston, SC, USA, ²⁰St. Christopher's Hospital for Children, Drexel University College of Medicine, Philadelphia, PA, USA, ²¹Valley Children's Hospital, Madera, CA, USA, ²²Emory University; Children's Healthcare of Atlanta, Atlanta, GA, USA, ²³University of California, Davis Children's Hospital, Sacramento, CA, USA, ²⁴University of Michigan, Ann Arbor, MI, USA, ²⁵University of Tennessee Health Science Center, Department of Pediatrics, Memphis, TN, USA, ²⁶New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, ²⁷Phoenix Children's Hospital, Phoenix, AZ, USA, ²⁸Comprehensive Care Services, SE Albuquerque, NM, USA, ²⁹University of Michigan, Brighton, MI, USA, ³⁰Phoenix Children's Hospital, Department of Surgery, Phoenix, AZ, USA, ³¹Wake Forest School of Medicine, Winston Salem, NC, USA, ³²University of Kentucky, Lexington, KY, USA, ³³Children's Hospital of Richmond, Virginia Commonwealth University, Richmond, VA, USA, ³⁴CHOC Children's Hospital, Orange, CA, USA, ³⁵The University of Oklahoma College of Medicine, Oklahoma City, OK, USA, ³⁶Division of Neonatology, Texas Children's Hospital, Houston, TX, USA

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IONIZABLE LIPID NANOPARTICLES FOR GENE EDITING OF THE FETAL LUNG

Adele Ricciardi, MD, PhD¹, Ryann Joseph², Nicole J. Kus, MD³, Marco Carpenter, PhD⁴, Rosa Choi, MD⁵, Rohan Palanki⁶, Xuexiang Han, PhD², Lulu Xue, PhD⁷, Rebecca Haley, PhD², Marshall Padilla, PhD⁷, Kaitlin Mrksich⁷, William Johnston, MD⁸, John Sincavage, MD⁹, Ana Maria Dumitru, MD, PhD¹⁰, Michael Mitchell, PhD⁷, William H. Peranteau, MD⁵

¹Children's Hospital of Philadelphia; University of Pennsylvania, Philadelphia, PA, USA, ²University of Pennsylvania, Philadelphia, PA, USA, ³University of Maryland, Baltimore, MD, USA, ⁴Children's Hospital of Philadelphia (CHOP), Philadelphia, PA, USA, ⁵Children's Hospital of Philadelphia, Philadelphia, PA, USA, ⁶CHOP, Philadelphia, PA, USA, ⁷University of Pennsylvania, Philadelphia, PA, USA, ⁸Children's Hospital of Philadelphia, Philadelphia, PA, USA, ⁹Children's Hospital of Philadelphia, Philadelphia, PA, USA, ¹⁰Children's Hospital of Philadelphia; University of California San Diego Health, Philadelphia, PA, USA

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FENTANYL UTILIZATION DURING EXTRACORPOREAL MEMBRANE OXYGENATION AND RISK OF METHADONE TREATMENT AMONG PEDIATRIC ECMO SURVIVORS

Ruby Barq, MD¹, Shadassa Ourshalimian, MPH², Olivia A. Keane, MD, MS³, Lara Nelson, MD², Ashwini Lakshmanan, MD, MS, MPH, FAAP⁴, Henry Lee, MD⁵, Eugene S. Kim, MD⁶, Susan R. Hintz, MD, MS⁷, Asavari Kamberkar, DO⁸, Lorraine I. Kelley-Quon, MD MSHS²

¹Children's Hospital Los Angeles, Virginia Commonwealth University Health, Los Angeles, CA, USA, ²Children's Hospital Los Angeles, Los Angeles, CA, USA, ³Emory University School of Medicine, Atlanta, GA, USA, ⁴KPSOM, Pasadena, CA, USA, ⁵Department of Pediatrics, UCSD School of Medicine, San Diego, CA, USA, ⁶Division of Pediatric Surgery, Cedars-Sinai Medical Center, Los Angeles, CA, Los Angeles, CA, USA, ⁷Stanford University School of Medicine, Palo Alto, CA, USA, ⁸CHLA, Los Angeles, CA, USA

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HOW LOW CAN YOU GO? SURVIVAL IN EXTREME HIGH RISK CDH

Devashish Joshi, MD¹, Kylie I. Holden, MD MS², Kevin P. Lally, MD MS³, Matthew T. Harting, MD MS⁴, Inna N. Lobeck, MD⁵

¹University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, ²University of Texas at Houston, Houston, TX, USA, ³McGovern Medical School at UTHealth Houston, Houston, TX, USA, ⁴University of Texas McGovern Medical School at UTHealth, Houston, TX, USA, ⁵Children's Mercy Hospital - Kansas City, Leawood, KS, USA

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IMPROVING DECISION-MAKING FOR THE USE OF PEDIATRIC EXTRACORPOREAL CARDIOPULMONARY RESUSCITATION

Jose L. Diaz-Miron, MD¹, Julia Reedy, MA², Tellen D. Bennett, MD, MS³, Lisa R. DeCamp, MD, MSPH⁴

¹University of Colorado / Children's Hospital Colorado, Aurora, CO, USA, ²Adult & Child Center for Health Outcomes Research & Delivery Science (ACCORDS), University of Colorado School of Medicine, Aurora, CO, USA, ³University of Colorado School of Medicine, Aurora, CO, USA, ⁴Department of Pediatrics, University of Colorado School of Medicine, Aurora, CO, USA

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LONG-TERM OUTCOMES AFTER MUSCLE FLAP REPAIR IN CONGENITAL DIAPHRAGMATIC HERNIA: A RETROSPECTIVE STUDY AT A SINGLE INSTITUTION

Anastasia M. Kahan, MD¹, Sommer Glasgow², Michelle J. Yang¹, Bradley A. Yoder¹, Kelsea Peterson¹, Stephen J. Fenton, MD¹, Zachary J. Kastenber, MD, MS³, Katie Russell, MD⁴

¹University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, ²University of Utah, Salt Lake City, UT, USA, ³Department of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake City, UT, USA, ⁴Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City, UT, USA

5:30 p.m. – 6:00 p.m. Free Time

6:00 p.m. – 7:00 p.m. President's Cocktail Reception

7:00 p.m. – 10:00 p.m. Dinner, Scientific and Individual Award Presentations, Dancing

General Sessions

6:00 a.m. – 8:00 a.m.	Continental Breakfast for Attendees
6:00 a.m. – 12:00 p.m.	Registration Desk Hours
6:00 a.m. – 12:00 p.m.	Speaker Ready Room Hours
6:30 a.m. – 7:30 a.m.	Global Surgery Committee Meeting
6:30 a.m. – 5:00 p.m.	Lactation Room
6:30 a.m. – 7:30 a.m.	Practice Committee Meeting

Breakout Sessions

8:00am – 8:45am

Access to Surgery for Kids: Barriers to Access to Pediatric Surgical Care Across North America. Presented by the ASK APSA Committee.

Learning Objective

- Define and develop tools to identify and overcome barriers to optimal surgical care of children in North America outside of tertiary centers.

Moderator

Mary J. Edwards, MD, Albany Medical Center, Albany, NY, USA

Speakers

Erik D. Skarsgard, MD, British Columbia Children's Hospital, Vancouver, BC, Canada
Kyle J. Van Arendonk, MD Ph. D, Nationwide Children's Hospital, Columbus, OH, USA,
Sid Johnson, MD, University of Hawaii, JABSOM, Honolulu, HI, USA

Panelists

Melanie Morris, MD, FRCSC, The Children's Hospital of Winnipeg, Oakbank, MB, Canada
David I. Price, MD, Janeway Children's Health and Rehabilitation Centre, Logy Bay, NF, Canada

Timing is Everything: When to Repair a Congenital Diaphragmatic Hernia. Presented by the Surgical Critical Care Committee.

Learning Objectives

- Discuss timing of CDH repair among patients who do not receive ECMO a. Physiologic phenotypes and hemodynamic considerations b. Special considerations: prematurity, genetic anomalies, cardiac anomalies.
- Analyze the impact of timing of CDH repair for patients receiving ECMO a. Early on ECLS vs risk-stratified approach outcomes b. Compare and contrast surgical strategies for CDH repair on ECMO.

Julie Monteagudo, MD, Hasbro Children's/Brown University, Providence, RI, USA

Matthew T. Harting, MD MS, University of Texas McGovern Medical School at UTHealth, Houston, TX, USA

Keith Thatch, MD, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA

Navigating Disability: Unveiling the APSA Disability Toolkit for Individuals with Disability, Surgical Colleagues and Team Members, and Hospital Administrators. Presented by the DEI Committee.

Learning Objective

- To provide education and resources on navigating a disability for those directly affected, their colleagues' educators and administrators through the debut of an APSA Navigating Disability toolkit.

Erin Garvey, MD, Phoenix Children's, Phoenix, AZ, USA

Nicole H. Chicoine, DO, Seattle Children's Hospital, Seattle, WA, USA

Fereshteh Salimi-Jazi, MD, University of Texas Medical Branch, Galveston, TX, USA

Rony Marwan, MD, FACS, FAAP, University of Missouri, Columbia, MO, Columbia, MO, USA

Thomas F. Tracy, MD MBA, American Pediatric Surgical Association, Portsmouth, RI, USA

Ethics - Exploring Surgical Goal Oriented Care: Challenges in the Care of Patients with Trisomy 13 and 18. Presented by the Ethics Committee.

Learning Objectives

- Highlight varying practice patterns for surgical management of patients with Trisomy 13 and 18 and discuss the factors that determine surgical and medical care goals and how physicians, the law, and society shape the treatments offered to patients.
- Identify the ethical issues that result as we consider appropriate surgical interventions for children with Trisomy 13 and 18.
- Explore the role of multidisciplinary collaboration as well as palliative care as it relates to this patient population and how difficult conversations can be approached to unify goal-oriented care.

Ryan M. Antiel, MD, MS, Duke University Medical Center, Durham, NC, USA

Alexa Robbins, MD, Children's Hospital of Colorado, Aurora, CO, USA

Reto M. Baertschiger, MD, PhD, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

Kathryn J. Rowland, MD MPH, University of Chicago, Chicago, IL, USA

Sarah D. King, DO, MSc, MA, Department of Surgery, University of Michigan, Royal Oak, MI, USA

Badr A. Shakhsher, MD, University of Chicago, Chicago, IL, USA

Wounds and Stomas that Make You Want to Weep. Presented by the SOAPPS (Section on Affiliate Professionals in Pediatric Surgery).

Learning Objectives

- The learner should be able to assess and treat perianal wounds and diaper dermatitis.
- The learner should be able to assess Wound VAC dressing issues for difficult wounds.
- The learner should be able to assess and manage the difficult stoma for pouch issues, adjacent wounds/incisions, etc.

Moderator:

Cindy L. McManaway, FNP, Nationwide Children's Hospital, Columbus, OH, USA

Panelists:

Deanna Garza, DNP, RN-BC, CWOCN, Stanford Medicine Children's Health, South San Francisco, CA, USA

Claire Abrajano, MSN, RN, WOCN, RNFA, CPNP-PC, Stanford Medicine Children's Health, Palo Alto, CA, USA

Ariella Adelman, MSN, RN, CPNP-PC, CWON, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Workshops

8:00am – 8:45am

Managing Small but Complex Pediatric Burns: Hands, Face and Perineum. Presented by the Trauma Committee.

Learning Objective

- This workshop is designed to provide practical, focused strategies for managing small but complex burns, giving non-burn center practitioners the tools they need to provide high-quality care in challenging cases.

Regan F. Williams, MD, MS, University of Tennessee Medical Center, Memphis, Memphis, TN, USA

Pablo Aguayo, MD, Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA

John Wiersch, MD, University of Colorado, Aurora, CO, USA

Erica I. Hodgman, MD, Division of Pediatric Surgery, Johns Hopkins School of Medicine, Baltimore, MD, USA

Turning Feedback into Progress: Practical Tips for Engaging Learners at Every Level. Presented by the Education Research Subcommittee of the Education Committee.

Learning Objective

- By the end of the session, attendees will be able to effectively facilitate a constructive, specific feedback conversation with trainees (medical students, residents, and/or fellows).

Samantha Ahle, MD, MHS, Warren Alpert Medical School of Brown University, Providence, RI, USA

Benjamin Zendejas, MD, MSc, Boston Children's Hospital, Boston, MA, USA

Grace Z. Mak, MD, Comer Children's Hospital, University of Chicago, Chicago, IL, USA

Irving J. Zamora, MD, MPH, FACS, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA

Breakout Sessions

9:00am – 9:45am

Pediatric Surgical Advocacy at the 49th Parallel: A Collaborative Comparison of Advocacy in Two Countries. Presented by the APSA/AAP and CAPS Advocacy and Health Policy Committees.

Learning Objectives

- Gain understanding of pediatric care delivery in the two-healthcare system.
- Learn key advocacy issues for each country and the role that pediatric surgeons have played in overcoming barriers to improve care for children through public education and health policy change.
- Gain actionable strategies and confidence to participate in specific advocacy efforts that directly impact pediatric patients and families.

Moderators

Amanpreet Brar, MD, University of Michigan, Ann Arbor, MI, USA

Helen Hsieh, MD, PhD, Stony Brook Children's Hospital, Stony Brook, NY, USA

Speakers

Mercedes Pilkington, MD, University of Michigan, Ann Arbor, MI, USA

Joanne E. Baerg, MD, Division of Pediatric Surgery, Presbyterian Health Services and University of New Mexico, Foothill Ranch, CA, USA

Management of Breast Masses in Children and Adolescents. Presented by the Outcomes and Evidence-Based Surgery Committee.

Learning Objective

- To review management of pediatric and adolescent breast mass imaging, management, and follow-up.

Speakers

Barrie Rich, MD, Donald and Barbara Zucker School of Medicine, New Hyde Park, NY, USA

Sara A. Mansfield, MD, Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA

Panelists

Martha A. Toursarkissian, Baylor University, San Antonio, TX, USA

Katherine W. Gonzalez, MD, St. Luke's Children's Hospital, Boise, ID, USA

Melissa E. Danko, MD, Children's Healthcare of Atlanta/Emory University, Atlanta, GA, USA

Pediatric Surgery Board. Demystifying EPA Implementation – Teach Smarter, Not Harder. Presented by the Pediatric Surgery Board of the American Board of Surgery.

Learning Objectives

- At the completion of this session, the audience will be able to effectively implement varying strategies for pediatric surgical feedback/assessment using EPAs.
- Onboard faculty/trainees to the EPA smartphone application.
- Demonstrate how EPAs can be incorporated into daily clinical teaching activities.

Moderators

Pramod S. Puligandla, MD, MSc, Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada

Steven L. Lee, MD, MBA, University of California, Los Angeles, Los Angeles, CA, USA

Speakers

Samantha Ahle, MD, MHS, Warren Alpert Medical School of Brown University, Providence, RI, USA

Raquel Gonzalez, MD, MHCM, Division of Pediatric Surgery, Department of Surgery, John's Hopkins All Children's Hospital, St. Petersburg, FL, USA

Discussants

Eunice Y. Huang, MD, MS, Vanderbilt University Medical Center, Nashville, TN, USA

Grace Z. Mak, MD, Comer Children's Hospital, University of Chicago, Chicago, IL, USA

Kasper Wang, MD, The Hospital for Sick Children/University of Ontario, Toronto, ON, Canada

Contemporary Approach to M&M: No More Shame and Blame. Presented by the Wellness Committee.

Learning Objectives

- Run an M&M conference focused on systems issues, drive improvements, and mitigate “shame and blame” culture.
- Create a direct link between M&M and improvement initiatives and incorporate loop closure into the structure of the conference.
- Leverage APP role in M&M to coordinate and review M&M cases and link to QI initiatives.

Moderators

Loren Berman, MD, Nemours Children's Health - Delaware Valley, Wilmington, DE, USA
Monica E. Lopez, MD, MS, FACS, FAAP, Monroe Carell Jr Children's Hospital at Vanderbilt, Nashville, TN, USA

Panelists

K. Casey Golden, ARNP, MSN, MPH, Seattle Children's Hospital, Seattle, WA, USA,
Brian D. Kenney, MD MPH, Nationwide Children's Hospital/ The Ohio State University, Columbus, OH, USA
Reto M. Baertschiger, MD, PhD, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

Discussants

Eunice Y. Huang, MD, MS, Vanderbilt University Medical Center, Nashville, TN, USA
Grace Z. Mak, MD, Comer Children's Hospital, University of Chicago, Chicago, IL, USA
Kasper Wang, MD, The Hospital for Sick Children/University of Ontario, Toronto, ON, Canada

Advancing Pilonidal Disease Management. Presented by the SOAPPS (Section on Affiliate Professionals in Pediatric Surgery).

Learning Objective

- Up to date medical and surgical management of pilonidal disease.

Moderator

William Sharp, PA, Valley Children's Hospital, Madera, CA, USA

Panelists

Candy Fradette, MSN, FNP-C, RN, WCC, Phoenix Childrens Hospital, Gilbert, AZ, USA
Claire Abrajano, MSN, RN, WOCN, RNFA, CPNP-PC, Stanford Medicine Children's Health, Palo Alto, CA, USA
Kyle J. Van Arendonk, MD PhD, Nationwide Children's Hospital, Columbus, OH, USA

Workshops

9:00am – 9:45am

Critical Timing: Tracheostomy Decision-Making in Critically Ill Patients. Presented by the Surgical Critical Care Committee.

Learning Objective

- Participants will understand current literature regarding tracheostomy decisions in critically ill pediatric patients. They will be able to utilize these lessons to guide and inform clinical discussions about tracheostomy at their institutions.

Timothy F. Tirrell, MD, PhD, Lucile Packard Children's Hospital, Palo Alto, CA, USA
Jacob Campbell, DO MPH, Connecticut Children's Medical Center, Hartford, CT, USA
Kathleen Heller, MD, MS, Phoenix Children's Hospital, Phoenix, AZ, USA

Coding Something from Nothing: What to Do When Your Code Does Not Exist. Presented by the Practice Committee.

Learning Objective

- Understand how to code procedures that do not have a specific CPT code.

Richard G. Weiss, MD, Connecticut Children's Medical Center, Hartford, CT, USA
J. Duncan Phillips, MD, WakeMed Children's Hospital, Raleigh, NC, USA

Breakout Sessions

10:00am – 10:45am

Best Practices in Perioperative Care of Children with Neurodivergent Conditions. *Presented by the DEI Committee.*

Learning Objectives

- Identify barriers to providing perioperative care meeting the unique needs of patients with neurodiverse conditions.
- How to implement best practices in the preoperative and intraoperative care of patients with neurodivergent conditions.
- How to advocate for perioperative care that is inclusive of children with neurodivergent conditions.

Moderator

Nzuekoh N. Nchinda, MD, Seattle Children's Hospital, University of Washington, Seattle, WA, USA

Krystalanne Pacheco Cabral, BA, CCLS, Montreal Children's Hospital, McGill University Health Center, Saint Lambert, PQ, Canada

Judy Colton, B. Comm., Chateauguay, PQ, Canada

Chantal Frigon, MD, MSc, Department of Anesthesia; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada

Marion C. W Henry, MD, MPH, University of Chicago, Chicago, IL, USA

The Changing Landscape of Research Dissemination: How Will AI Change the Current Process? Presented by the Publications Committee.

Learning Objective

- To understand how Artificial Intelligence can be used in manuscript preparation and review and discuss how this will potentially impact the current process of academic publication.

Nicole A. Wilson, PhD, MD, University of Rochester, Rochester, NY, USA

Anthony Tsai, MD, Penn State Milton Hershey Children's Hospital, Hershey, PA, USA

Carlos A. Colunga, MD, TecSalud, Monterrey, Nuevo Leon, Mexico

Reto M. Baertschiger, MD, PhD, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

Brian Englum, MD, MHS, University of Maryland School of Medicine, Baltimore, MD, USA

Jamie Robinson, MD, MS, PhD, Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA

Abigail F. Loszko, MD, MSc, University of Rochester Medical Center, Rochester, NY, USA

Sacha Williams, MD, MS, MPH, PhD(c), Montreal Children's Hospital, Montreal, PQ, Canada

Prenatal Risk Stratification and Novel Treatments for Abdominal Wall Defects: Controversies and Best Practices. Presented by the Fetal Diagnosis and Treatment Committee.

Learning Objective

- To understand best practices in prenatal diagnosis and postnatal treatment of abdominal wall defects.

Panelists

Foong-Yen Lim, MD, Cincinnati Children's Hospital, Cincinnati, OH, USA

Sundeep G. Keswani, MD, Baylor College of Medicine, Houston, TX, USA

Erin E. Perrone, MD, University of Michigan, Ann Arbor, MI, USA

Erik D. Skarsgard, MD, British Columbia Children's Hospital, Vancouver, BC, Canada

Speakers

Katherine Ott, MD, Ann and Robert H. Lurie Children's Hospital, Chicago, IL, USA

Michael Sobolic, MD, Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA

Marisa E. Schwab, MD, Stanford University, Palo Alto, CA, USA

Krishna Manohar, MD, MS, Indiana University School of Medicine, Indianapolis, IN, USA

This is Water - The Past Present and Future of Pediatric Trauma Systems in Canada and the US. Presented by the APSA and CAPS Trauma Committees.

Learning Objectives

- Attendees will understand the historical context of pediatric trauma systems in Canada and the US Sub-Objective.
- Attendees will be able to compare contemporary pediatric trauma systems between the two countries. Sub-Objective.
- Attendees will be able to describe the future direction of pediatric trauma systems in North America.

Moderators

Regan F. Williams, MD, MS, University of Tennessee Medical Center, Memphis, Memphis, TN, USA

Rob Baird, MD CM MSc, Division of Pediatric Surgery, British Columbia Children's Hospital, University of British Columbia, Vancouver, BC, Canada

Speakers

Steven Stylianos, MD, Rutgers RWJMS - Bristol Myers Squibb Children's Hospital RWJBH, New Brunswick, NJ, USA

Jennifer K. Inson, MD MSc MBA FRCSC, Hospital for Sick Children / University of Toronto, Toronto, ON, Canada

Gilgamesh Eamer, MD, MSc, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada

Marianne Beaudin, MD, MSc, MPH, FRCSC, CHU Sainte-Justine, Montreal, PQ, Canada

Michael W. Dingeldein, MD Rainbow Babies and Children Hospital, Cleveland, OH, USA

Joshua Ramjist, MC, MSc, MBA, The Hospital for Sick Children, Toronto, ON, Canada

Bowel Management: Laxatives, Enemas and Beyond. Presented by the SOAPPS (Section on Affiliate Professionals in Pediatric Surgery).

Learning Objectives

- Beyond Bowel Management: Review surgical adjuncts to medical bowel management.
- Bowel Management: laxatives vs. enemas: To discuss various means of medical bowel management.

Moderator

Monica Holder, BSN, RN III, CPN, Cincinnati Children's Hospital, Cincinnati, OH, USA

Panelists

Hira Ahmad, MD, Children's Hospital of Orange County, Orange, CA, USA

Katherine Worst, CPNP, Children's National Hospital, Ellicott City, MD, USA

Wendy Lewis, MSN, FNP-C, Children's Mercy Hospital, Kansas City, MO, USA

Workshops

10:00am – 10:45am

What Have You Heard? Ambient Clinical Listening Technology in Pediatric Surgery

Learning Objective

- To discuss the application, benefits, and limitations of ambient clinical listening technologies to pediatric surgical practice.

Russell K. Woo, MD, University of Hawaii, John A. Burns School of Medicine, Honolulu, HI, USA

Irving J. Zamora, MD, MPH, FACS, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA

Clint D. Cappiello, MD FACS FAAP, Johns Hopkins Children's Center, BALTIMORE, MD, USA

Sid Johnson, MD, University of Hawaii, JABSOM, Honolulu, HI, USA,

Eunice Y. Huang, MD, MS, Vanderbilt University Medical Center, Nashville, TN, USA

Cameron Harvey, DO MS, Tripler Army Medical Center, Kapolei, HI, USA

Advocating For My Patients: Where Do I Start?

Learning Objective

- To explore, discuss and explain avenues for ground level advocacy for patient and family needs.

Joanne E. Baerg, MD, Division of Pediatric Surgery, Presbyterian Health Services and University of New Mexico, Foothill Ranch, CA, USA,

David A. Klima, MD, St. Luke's Children's Hospital, Boise, ID, USA

Erin Teeple, MD, Children's National Medical Center, Washington, DC, USA

Kirk Reichard, MD, MBA, Nemours Children's Hospital Delaware, Wilmington, DE, USA

Breakout Sessions

11:00am – 11:45am

Redesigning the Surgical Safety Checklist Through a Pediatric Patient-Centered Lens

Learning Objectives

- Develop a series of exercises targeted at evaluating each step of the Surgical Safety Checklist.
- Identify the crucial elements of safe peri-operative care in the pediatric population.

Mary Brindle, MD, MPH, FRCSC, Alberta Children's Hospital, University of Calgary, Calgary, AB, Canada

Raquel Gonzalez, MD, MHCM, Division of Pediatric Surgery, Department of Surgery, John's Hopkins All Children's Hospital, St. Petersburg, FL, USA

Bridging Borders: Addressing the Health Needs of Indigenous and Migrant Pediatric Surgical Patients in North America through a Global Health Lens. Presented by the APSA and CAPS Global Committees.

Learning Objective

- Explore the healthcare stories of diverse local pediatric surgical populations in North America, including indigenous and migrant populations, through the lens of global health competencies, by examining their unique social, cultural, economic, and structural determinants of health and recognizing the importance of narrative in understanding and addressing their needs through culturally responsive and equitable care.

Moderators

Robin T. Petroze, MD MPH, C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA

Sherif Emil, MD, CM, FACS, FRCSC, FAAP, Department of Pediatric Surgery; McGill University Faculty of Medicine and Health Sciences, Montreal, PQ, Canada

Speakers

Suzanne Yoder, MD MPH, Locum Tenens, Shell Beach, CA, USA

Hussein Wissanji, MD, The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada

Samir Shaheen-Hussain, MD, Faculty of Medicine & Health Sciences, McGill University, Montréal, PQ, Canada

Robin T. Petroze, MD MPH, C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA

Metabolic and Bariatric Surgery - Advocacy for the Pediatric Patient with Severe Obesity: What All Pediatric Surgeons Need to Know. Presented by the Metabolic and Bariatric Surgery Committee.

Learning Objective

- Enhance the collaborative strategies that promote evidence-based practices in adolescent bariatric surgery.
- Enhance the overall care and support for pediatric patients struggling with obesity and its associated co-morbid conditions.

Moderators

Kanika Bowen-Jallow, MD, MMS, FACS, FAAP, Cook Children's Medical Center - Prosper, Prosper, TX, USA

Kirk Reichard, MD, MBA, Nemours Children's Hospital Delaware, Wilmington, DE, USA

Panelists

Leslie Knod, MD, Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA
Shawn Stafford, MD, Texas Childrens Hospital, The Woodlands, TX, USA
Jun Tashiro, MD MPH, Children's National Hospital, Washington, DC, USA
James M. Healy, MD, MHS, Connecticut Children's, Hartford, CT, USA
Cornelia Griggs, MD, Mass General Brigham, Boston, MA, USA
Matthew A. Hornick, MD, Yale New Haven Children's Hospital, New Haven, CT, USA

Anyone Can Draw: Medical Illustration as a Tool for Quality Improvement in Team-Based Patient-Centered Care

Learning Objectives

- Recognize how visual communication enhances the patient care experience, improves collective understanding, promotes interdisciplinary collaboration, and functions across language- and cultural barriers.
- Discuss the role of medical illustration and visual communication in reducing healthcare disparities and improving access of care for all.
- Identify tools for creating illustrations or diagrams in the clinical setting.

Francois I. Luks, MD, PhD, Hasbro Children's Hospital and Alpert Medical School of Brown University, Providence, RI, USA
Alejandra M. Casar Berazaluze, MD, MSc, FAAP, Brown University / Hasbro Children's Hospital, Providence, RI, USA
Rebecca Herbert, MD, Brown University / Rhode Island Hospital, Providence, RI, USA

Comprehensive Management of Chest Wall Conditions. Presented by the SOAPPS (Section on Affiliate Professionals in Pediatric Surgery).

Moderator

Kempker, MSN, RN, PPCNP-BC, University of Missouri Health Care Children's Hospital, Columbia, MO, USA

Panelists

Kelly Bartkus, MSN, RN, CPNP, Boston Childrens Hospital, Boston, MA, USA
Elisabeth Campbell, PA-C, Connecticut Children's, West Hartford, CT, USA
Kellianne Hawkins, MSN, RN, CPNP, Tara L. Children's Hospital of the King's Daughters, Chesapeake, VA, USA

Workshops

11:00am – 11:45am

Operating Room Sustainability - Practical Initiatives for the Pediatric Surgeon. Presented by the Advocacy and Health Policy Committee.

Learning Objective

- Describe the aspects of an achievable operating room sustainability project and design a similar project for their home institution.

Alison Lehane, MD, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA
Annie Fecteau, MD, Hospital for Sick Children, Toronto, ON, Canada
Hannah Cockrell, MD, Seattle Children's Hospital, Seattle, WA, USA
Ramin Jamshidi, MD, Phoenix Children's, Phoenix, AZ, USA
Colleen M. Fitzpatrick, MD, MPA, Northwell Health Cohen Children's Medical Center, New Hyde Park, NY, USA
Mehul V. Raval, MD M.S., Lurie Children's Hospital of Chicago, Chicago, IL, USA

Navigating the Toxic Triad: Difficult Diagnosis, Challenging Family, and the Frustrated Pediatric Surgeon. Presented by the Wellness Committee.

Learning Objective

- Effectively manage toxic clinical encounters with patients' families using established strategies to validate parents' concerns, communicate desired outcomes, and collaborate to build parent-physician partnership.

Kurt F. Heiss, MD, Emory University School of Medicine, Children's Healthcare of Atlanta, Atlanta, GA, USA
Helena M. Crowley, MD PhD, University of Maryland Children's Hospital, Baltimore, MD, USA
Arunachalam Thenappan, MD, Children's National Hospital, Washington, DC, USA