

PROGRAM

APSA2026 CHICAGO



Annual Meeting
May 6 - 9, 2026
Chicago, Illinois
Grand Sheraton Chicago River Walk



APSA
American Pediatric
Surgical Association
Saving Lifetimes

Educating the Public to Protect the Children

#APSA26



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All children receive the highest quality surgical care.

APSA MISSION

To provide the best surgical care to our patients and families by supporting an inclusive community through education, discovery and advocacy.

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Full abstract book is provided separately.



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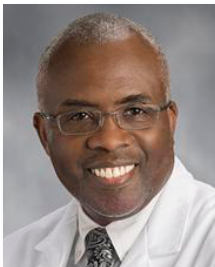
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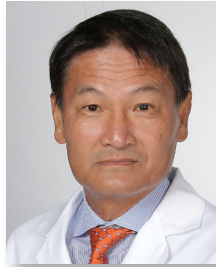
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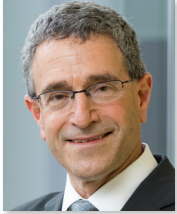
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In Memorium – May 2025-April 2026



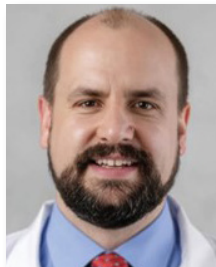
Robert H. Bartlett
1939-2025



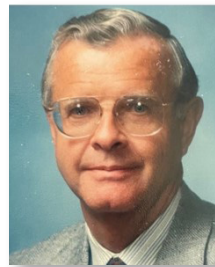
Carroll "Mac" Harmon
1957-2026



Lucian L. Leape
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Thomas L. Sims, Jr.
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SAVE THE DATE



San Diego, California

ANNUAL MEETING **May 12 – 15, 2027**

Grand Hyatt San Diego
San Diego, California USA

See you there!



APSA
American Pediatric
Surgical Association
Saving Lifetimes

Burn Think Tank Meeting (by invitation)

8:00 a.m. – 12:00 p.m.

Burn Symposium

1:00 p.m. – 5:00 p.m.

Pablo Aguayo, MD, *Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA*

Roselle Crombie, MD

Renata Fabia, MD

Angela Gibson, MD

Kristin Friedl, AGACNP-BC

Erica I. Hodgman, MD, *Duke University, Durham, NC, USA*

Rajan K. Thakkar, MD, *Nationwide Children's Hospital, Columbus, OH, USA*

Dana Michelle Schwartz, MD, *Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA*

Katie Romanowski, MD

Kevin Bailey, MD

Mary E. Fallat, MD, *Department of Surgery, University of Louisville, Louisville, KY, USA*

ECMO Course

2:00 p.m. – 6:00 p.m.

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

Brian W. Gray, MD, *Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA*

Robert J. Vandewalle, MD, *Arkansas Children's Hospital-UAMS, Little Rock, AR, USA*

Rachael Sundland, MD, *University of Michigan, Brooklyn, NY, USA*

Allison F. Linden, MD MPH, *Emory University School of Medicine/Children's Healthcare of Atlanta, Atlanta, GA, USA*

Jacob Campbell, DO MPH, *Connecticut Children's Medical Center, Hartford, CT, USA*

Sabina Siddiqui, MD, *KidGloves, PLLC, Springdale, AR, USA*

Elizabeth A. Gilliam, MD, MPH, *University of Michigan, Ann Arbor, MI, USA*

Kevin Johnson, MD, *University of Chicago, Chicago, IL, USA*

Arul Thirumoorthi, MD

Howard I. Pryor, MD, *Texas Children's Hospital, Houston, TX, USA*

William Law, MD, *Boston Children's Hospital, Boston, MA, USA*

Shunpei Okochi, MD, *Kravis Children's Hospital of Mount Sinai, New York, NY, USA*

Caitlin J. Cain-Trivette, MD, *Columbia University - New York Presbyterian - Morgan Stanley Children's Hospital, New York, NY, USA*

Badr Shakhsher, MD, *Comer Children's Hospital, University of Chicago, Chicago, IL, USA*

Cole Burgman, *Department of Pediatrics, Baylor College of Medicine, Houston, TX, USA*

Carmen Mora, MD, *University of Texas Medical Branch, Galveston, TX, USA*

Abigail Alund

Dimitra Lotakis, MD, *Riley Hospital for Children, Indianapolis, IN, USA*

Rebecca Rose

Fereshteh Salimi-Jazi, MD, *University of Texas Medical Branch, Galveston, TX, USA*

Grant Writing Symposium: From Finishing Training to Your First Funded Faculty Position

2:00 p.m. – 6:00 p.m.

Jeffrey Matthews, MD, *University of Chicago, Chicago, IL, USA*

Lorraine I. Kelley-Quon, MD MSHS, *Children's Hospital Los Angeles/University of Southern California, Los Angeles, CA, USA*

Nicole A. Wilson, PhD, MD, *The University of Oklahoma, Oklahoma City, OK, USA*

David J. Hackam, MD, PhD, *Johns Hopkins Children's Center, Baltimore, MD, USA*

Shaun M. Kunisaki, MD, MSc, *Johns Hopkins, Baltimore, MD, USA*

Lily S. Cheng, MD, *University of Virginia, Charlottesville, VA, USA*

Sundeep G. Keswani, MD, MBA, FACS, FAAP, *Baylor College of Medicine and Texas Children's Hospital, Bellaire, TX, USA*

Laura L. Stafman, MD, PhD, *University of Alabama at Birmingham, Birmingham, AL, USA*

Catherine Hunter, MD, FACS, FAAP, *University of Oklahoma, Oklahoma City, OK, USA*

President's Welcome

7:30 a.m. – 8:00 a.m.

Plenary 1

Moderators

Michael W. Dingeldein, MD, *Rainbow Babies and Children Hospital, Cleveland, OH, USA*

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

Stephanie F. Brierley, MD, *Phoenix Children's Hospital, Phoenix, AZ, USA*

1

A NOVEL LUMINAL SPRING APPROACH TO APPLY MECHANICAL STRAIN TO INNERVATED HUMAN INTESTINAL ORGANOIDs

Rachel C. Bordelon, MD¹, Madushani Herath, PhD¹, Anne-Laure A. Thomas, MS², James C.Y. Dunn, MD PhD³, Allison L. Speer, MD⁴

1Department of Pediatric Surgery, McGovern Medical School at The University of Texas Health Science Center Houston, Houston, TX, USA, 2Stanford University, Stanford, CA, USA, 3Stanford University, Palo Alto, CA, USA, 4McGovern Medical School at UTHHealth, Houston, TX, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe the current workforce and practice structure of pediatric surgery in the US.
- Examine nonoperative management of prenatally diagnosed congenital pulmonary airway malformations.

2

RECURRENT SMALL BOWEL OBSTRUCTION FOLLOWING CONTRAST CHALLENGE VERSUS SURGICAL INTERVENTION AT INDEX PRESENTATION: 1-YEAR FOLLOW-UP OF THE ADHESIVE BOWEL OBSTRUCTION IN CHILDREN (ABC) STUDY

Elizabeth A. Gilliam, MD, MPH¹, Nikhil R. Shah, MD², Kyle J. Van Arendonk, MD PhD³, Ronald B. Hirschl, MD, MS¹, Seth D. Goldstein, MD MPH⁴, Charles M. Leys, MD, MSCI⁵, Troy Markel, MD⁶, Beth A. Rymeski, DO⁷, Tiffany N. Wright, MD⁸, Shawn D. St. Peter, MD⁹, Dave R. Lal, MD, MPH¹⁰, Grace Z. Mak, MD¹¹, Katherine T. Flynn-O'Brien, MD¹², Peter C. Minneci, MD, MHSc¹³, K. Elizabeth Speck, MD MS FACS¹⁴

1University of Michigan, Ann Arbor, MI, USA, 2University of Texas Medical Branch, Galveston, TX, USA, 3Nationwide Children's Hospital, Columbus, OH, USA, 4Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 5Division of Pediatric Surgery, Department of Surgery, University of Wisconsin, Madison, WI, USA, 6Riley Hospital for Children at IU Health, Indiana University School of Medicine, Indianapolis, IN, USA, 7Cincinnati Children's Hospital, Cincinnati, OH, USA, 8Division of Pediatric Surgery, Hiram C. Polk, Jr., M.D. Department of Surgery, University of Louisville, Louisville, KY, USA, 9Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA, 10Children's Wisconsin/Medical College of Wisconsin, Whitefish Bay, WI, USA, 11The University of Chicago Pritzker School of Medicine, Chicago, IL, USA, 12Medical College of Wisconsin, Milwaukee, WI, USA, 13Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, 14University of Michigan, C.S. Mott Children's Hospital, Department of Pediatric Surgery, Ann Arbor, MI, USA

3

NONOPERATIVE MANAGEMENT OF PRENATALLY DIAGNOSED CONGENITAL PULMONARY AIRWAY MALFORMATIONS AT MAJOR CHILDREN'S HOSPITALS IN THE UNITED STATES

Nicole J. Bertaux, DO¹, Latoya Stewart, MD, MSc¹, Kyra Halbert-Elliott, BS², Terry L. Buchmiller, MD³, Benjamin D. Carr, MD⁴, Darrell L. Cass, MD⁵, Linda M. Cherney-Stafford, MPH⁶, Ashley Chimner⁷, Joseph T. Church, MD⁸, Caitlin Crosier, MD⁹, S. Christopher Derderian, MD¹⁰, Vincent P. Duron, MD¹¹, Stephen J. Fenton, MD¹², Anthony Ferrantella, MD¹³, Zoe E. Flyer, DO¹⁴, Cecilia Gigena Heitsman, MD⁵, Brian W. Gray, MD¹⁵, Rakesh R. Gurrula, MD MBA¹⁶, Mariah Heller, BBA¹⁷, Tayana A. Jean Pierre, MD³, Aimee G. Kim, MD¹⁸, Kezlyn E. Larsen, BS¹⁹, Jasmine D. Lee, MD²⁰, Inna N. Lobeck, MD, FACS, FAAP²¹, Caroline Maloney, MD PhD²², Paul Park, MD¹¹, David A. Partrick, MD²³, Marissa Ray, MD, MS²⁴, Jason O. Robertson, MD, MS²⁵, Branae Rollins, MD²⁶, Beth A. Rymeski, DO²⁷, Jennifer M. Schuh, MD²⁸, Jessica K. Sims, BS²⁹, Christopher W. Snyder, MD, MSPH³⁰, Raphael C. Sun, MD³¹, Lauren R. Templeton, MD¹³, Sarah A. Tracy, MD³², Cortnie R. Vaughn, MD³³, Peter T. Yu, MD, MPH³⁴, Irving J. Zamora, MD, MPH, FACS²⁹, Shaun M. Kunisaki, MD, MSc³⁵

1Johns Hopkins Hospital, Baltimore, MD, USA, 2Johns Hopkins University School of Medicine, Baltimore, MD, USA, 3Boston Children's Hospital, Boston, MA, USA, 4Oregon Health & Science University, Portland, OR, USA, 5Cleveland Clinic, Cleveland, OH, USA, 6University of Wisconsin School of Medicine & Public Health, Division of Pediatric Surgery,

Madison, WI, USA, 7C. S. Mott Children's Hospital, Ann Arbor, MI, USA, 8University of Michigan, Ann Arbor, MI, USA, 9Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA, 10Children's Hospital of Colorado, Denver, CO, USA, 11New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, 12University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, 13Children's Healthcare of Atlanta, Atlanta, GA, USA, 14Rady Children's Health Orange County, Orange, CA, USA, 15Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, 16Children's Mercy – Kansas City, Kansas City, MO, USA, 17Children's Wisconsin, Milwaukee, WI, USA, 18Children's Hospital Los Angeles and Keck School of Medicine of USC, Department of Surgery, Division of Pediatric Surgery, Los Angeles, CA, USA, 19Intermountain Health, Primary Children's Hospital, Salt Lake City, UT, USA, 20Indiana University, Indianapolis, IN, USA, 21Kansas City, MO, USA, 22Children's Wisconsin, Milwaukee, WI, USA, 23Children's Hospital Colorado, Aurora, CO, USA, 24Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 25Cleveland Clinic Children's, Cleveland, OH, USA, 26Children's Hospital of Los Angeles, Los Angeles, CA, USA, 27Cincinnati Children's Hospital, Cincinnati, OH, USA, 28Medical College of Wisconsin, Milwaukee, WI, USA, 29Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA, 30Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, 31Oregon Health and Science University, Portland, OR, USA, 32UW Health Kids, Madison, WI, USA, 33Oregon Health and Science University, West Sacramento, CA, USA, 34Children's Hospital of Orange County, Orange, CA, USA, 35Johns Hopkins, Baltimore, MD, USA

4

ENDOLUMINAL VACUUM-ASSISTED CLOSURE FOR PEDIATRIC ESOPHAGEAL LEAKS: OUTCOMES AND FACTORS ASSOCIATED WITH CLINICAL SUCCESS

Abdimajid Mohamed, MD¹, Shivani Mehta, PA-C¹, Alex L. Huang, MD¹, Somala Mohammed, MD², Farokh R. Demehri, MD³, Denis Chang, MD¹, Peter Ngo², Benjamin Zendejas, MD, MSc³, Jessica Yasuda, MD⁴

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

5

A NATIONAL ASSESSMENT OF THE PEDIATRIC SURGERY WORKFORCE AND PRACTICE STRUCTURE IN THE UNITED STATES

Kenneth W. Gow, MD, MHA¹, Anthony DeRoss, MD², Abigail E. Martin, MD MA FAAP³, Alicia C. Greene, DO⁴, Megan T. Vu, MD⁵, Nicholas Hamilton, MD⁶, Mitchell R. Ladd, MD, PhD⁷, Dimitra Lotakis, MD⁸, Daniel K. Robie, MD⁹, Carmelle Romain, MD¹⁰, Mary J. Edwards, MD¹¹, Alfred P. Kennedy, MD¹², Jessica A. Zagory, MD¹³, Mary E. Fallat, MD¹⁴, Annie Zeug, MD¹⁵, Krysta M. Sutyak, DO¹⁶, Nicole M. Chandler, MD¹⁷, Faidah Badru, MD¹⁸, Joseph Iocono, MD, MBA¹⁹, George M. Wadie, MD²⁰, Lindsey L. Wolf, MD, MPH²¹, Laura N. Purcell, MD, MPH²², Marybeth Browne, MD²³, Patrick Bonasso, MD²⁴, Rajeev Prasad, MD²⁵, Samuel M. Alaish, MD²⁶, Sung-Gheel Jang²⁷, Robert L. Ricca, MD, MPH²⁸

1Stony Brook Children's Hospital, Stony Brook, NY, USA, 2Cleveland Clinic, Cleveland, OH, USA, 3Locum Tenens, Lexington, KY, USA, 4Penn State Hershey Medical Center, Hershey, PA, USA, 5Expeditionary Medical Facility 150 Mike, United States Navy, Jacksonville, FL, USA, 6Community Medical Center, Portland, OR, USA, 7Surgery/Wake Forest University School of Medicine, Winston-Salem, NC, USA, 8Riley Hospital for Children, Indianapolis, IN, USA, 9Dayton Children's Hospital, Dayton, OH, USA, 10University of Chicago, Chicago, IL, USA, 11Albany Medical Center, Albany, NY, USA, 12Geisinger, Danville, PA, USA, 13LSU Health New Orleans, New Orleans, LA, USA, 14Hiram C. Polk, Jr., M.D. Department of Surgery, University of Louisville, Louisville, KY, USA, 15Surgical Associates of Neenah / Thedacare, Greenville, WI, USA, 16McGovern Medical School at UTHHealth Houston, Houston, TX, USA, 17Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, 18Charleston Area Medical Center, Charleston, WV, USA, 19Akron Children's Hospital, Akron, OH, USA, 20St. Joseph Health PLLC, Cary, NC, USA, 21University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock, AR, USA, 22UT Southwestern, Dallas, TX, USA, 23Lehigh Valley Reilly Children's Hospital, Allentown, PA, USA, 24WVU Medicine Golisano Children's Hospital, USA, 25St. Luke's University Health Network, Bethlehem, PA, USA, 26Johns Hopkins, Baltimore, MD, USA, 27Stony Brook University, Stony Brook, NY, USA, 28Pennsylvania State University, Hershey, PA, USA

6

SPATIAL TRANSCRIPTOMICS OF FETAL CDH LUNGS UNCOVERS CSF1R+ MACROPHAGES AS DRIVERS OF PULMONARY HYPOPLASIA

Fabian Doktor, MD MSc¹, Emily Lo, MD FRCPC FAAP¹, Rebeca Figueira, RN, PhD¹, Miguel Garcia, BSc², George Biouss, PhD¹, Joseph Wai-Hin Leung, PhD³, Michael Litvack, PhD⁴, Lina Antounians, MSc¹, Martin Post, PhD⁴, Brian Kalish, MD⁵, Augusto Zani, MD, PhD, FACS, FAAP¹

1The Hospital for Sick Children, Toronto, ON, Canada, 2Developmental, Stem Cell, and Cancer Biology, Peter Gilgan Center for Research and Learning, The Hospital for Sick Children, Toronto, ON, Canada, 3The Centre for Applied Genomics, The Hospital for Sick Children, Toronto, ON, Canada, 4Translational Medicine Program, Peter Gilgan Centre for Research and Learning, The Hospital for Sick Children, Toronto, ON, Canada, 5Boston Children's Hospital, Harvard Medical School, Boston, MA, USA

METABOLIC AND MITOCHONDRIAL DYSFUNCTIONS CHARACTERIZE EPITHELIAL INJURY IN EXPERIMENTAL NECROTIZING ENTEROCOLITIS

Andrea Zito, HBSc¹, Jieli Yang¹, Chen-Yi Wang, PhD², Bo Li, PhD¹, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP¹

1The Hospital for Sick Children, Toronto, ON, Canada, 2The Hospital for Sick Children Shengjing Hospital of China Medical University, Toronto, ON, Canada

RISK FOR METACHRONOUS TUMORS AND RENAL INSUFFICIENCY IN CASES OF SPORADIC, UNILATERAL, MULTICENTRIC WILMS TUMOR

Callie Frey, BA¹, Katlyn G. McKay, MD², Heidi Chen, PhD³, Megan Stout, MD⁴, Riadh Cheddadi, MD⁵, Nicholas Cost, MD⁶, Hernán Correa, MD⁷, Sophie Davidoff, Masters of Science in Nursing⁸, Shanquell M. Dixon, MD⁹, Kshitij Gaur, MD¹⁰, Lauren Gillory¹¹, Richard D. Glick, MD¹², Alex I. Halpern, MD¹³, Rosa Hwang, BS¹⁴, Meera Kotagal, MD, MPH¹⁵, Kaitlynn Littleford¹⁶, Peter Mattei, MD¹⁷, Shreya Majeti¹⁸, Caroline Maloney, MD PhD¹⁰, Sara A. Mansfield, MD¹⁹, Zach Morrison, MD²⁰, Erika A. Newman, MD²¹, Taylor Perry, BS²², Mikael Petrosyan, MD, MBA¹³, Hannah M. Phelps, MD²³, Laura N. Purcell, MD, MPH¹¹, Marissa Ray, MD, MS²⁴, Barrie S. Rich, MD²⁵, Anthony D. Sandler, MD²⁶, Maren E. Shipe, MD, MPH²⁷, Katherine M. Somers, MD¹⁵, Shachi Srivatsa, MD, MPH²⁸, Laura L. Stafman, MD, PhD²⁹, Annie Talbot, MD³⁰, Aydin Unal³¹, Marshall Wallace, MD³², Sahiti Chukkapalli, MS³³, Kibleri Williams, MBBS³⁴, Andrew Yeh, MD³⁵, Daniel M. Green, MD⁸, Andrew M. Davidoff, MD³⁶, Jennifer H. Aldrink, MD³⁷, Daniel Benedetti², Andrew J. Murphy, MD³⁸, Joseph C. Fusco, MD³⁹, Harold N. Lovvorn, MD⁴⁰

1Vanderbilt University School of Medicine, Nashville, TN, USA, 2Vanderbilt University Medical Center, Nashville, TN, USA, 3Vanderbilt University Medical Center, Department Of Biostatistics, Nashville, TN, USA, 4Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA, 5Washington University in St. Louis School of Medicine, St. Louis, MO, USA, 6Department 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, 7Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA, 8St. Jude Children's Research Hospital, Memphis, TN, USA, 9Children's of Alabama/University of Alabama at Birmingham, Birmingham, AL, USA, 10Children's Wisconsin, Milwaukee, WI, USA, 11UT Southwestern, Dallas, TX, USA, 12Cohen Children's Medical Center; Hofstra / Zucker School of Medicine; Northwell Health, New Hyde Park, NY, USA, 13Children's National Hospital, Washington, DC, USA, 14Children's Hospital of Philadelphia, Philadelphia, PA, USA, 15Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 16School of Medicine, The University of Tennessee Health Science Center, Memphis, TN, USA, 17Children's Hospital of Philadelphia, Philadelphia, PA, USA, 18University of Alabama at Birmingham Heersink School of Medicine, Tuscaloosa, AL, USA, 19Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA, 20Medical College of Wisconsin, Milwaukee, WI, USA, 21C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA, 22The Surgical Oncology Program at the Children's Hospital of Colorado, Aurora, CO, USA, 23Washington University in St. Louis, Saint Louis, MO, USA, 24Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 25Feinstein/Northwell, Cohen Children's Medical Center, Queens, NY, Queens, NY, USA, 26Children's National Hospital, Washington, DC, Washington, DC, USA, 27University of Utah, Salt Lake City, UT, USA, 28Nationwide Children's Hospital, The Ohio State University College of Medicine, Grandview Heights, OH, USA, 29University of Alabama at Birmingham, Birmingham, AL, USA, 30Children's Hospital Colorado, Denver, CO, USA, 31St. Jude Children's Research Hospital, Memphis, TN, USA, 32University of Utah Health, Salt Lake City, UT, USA, 33University of Michigan, Ann Arbor, MI, USA, 34Children's National Hospital, Washington DC, DC, USA, 35Washington University in St. Louis, St. Louis, MO, USA, 36St. Jude Children's Research Hospital Department of Surgery, Memphis, TN, USA, 37Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, 38Department of Surgery, St. Jude Children's Research Hospital/Division of Pediatric Surgery, University of Tennessee Health Science Center, Memphis, TN, USA, 39Department of Pediatric Surgery, Vanderbilt University Medical Center, Nashville, TN, USA, 40Monroe Carrell Children's Hospital at Vanderbilt, Nashville, TN, USA

MISSED OPPORTUNITIES IN PEDIATRIC ONCOFERTILITY CARE: A MULTICENTER RETROSPECTIVE ANALYSIS OF FERTILITY PRESERVATION PRACTICES FOR CHILDREN AT HIGH-RISK OF TREATMENT-RELATED INFERTILITY

Annie Talbot, MD¹, Jonathan Roach, MD², Samantha Bothwell, MS³, Lindsay J. Talbot, MD⁴, Rodrigo Romao, MD, MSc⁵, Joseph T. Murphy, MD⁶, Jenna S. Lee, MD⁷, Roshni Dasgupta, MD, MPH⁸, Barrett P. Cromeens, DO, PhD⁹, Timothy B. Lautz, MD¹⁰, Erika A. Newman, MD¹¹, Marcus M. Malek, MD¹², Brian T. Craig, MD¹³, Jennifer H. Aldrink, MD¹⁴, Kimberly J. Riehle, MD¹⁵, Laura L. Stafman, MD, PhD¹⁶, Maren E. Shipe, MD, MPH¹⁷, Stephanie F. Polites, MD, MPH¹⁸, Elisabeth Tracy, MD¹⁹, Megan Murphy, MD²⁰, Aodhnait S. Fahy, BMBCh, PhD²¹, Hau D. Le, MD²², Jonathan P. Walker, MD²³, Erica C. Arnold, MD²⁴, Daniel J. Robertson, MD²⁵, Erin G. Brown, MD²⁶, Amanda Buchanan, MD²⁷, Laura A. Boomer, MD²⁸, Melissa Suh, MD, Christa Grant, MD²⁹, Shahab Shaffiey, MD, MSc³⁰, Emily R. Christison-Lagay, MD³¹, Tamer M. Ahmed, MD³², Henry E. Rice, MD³³, Kristen Calabro, MD, MBS, FACS, FAAP³⁴, Danielle B. Cameron, MD MPH³⁵, Chloé Boehmer, MA⁸, Madeline Peters, BS³⁶, Kristine S. Corkum, MD³⁷

1Children's Hospital Colorado, Denver, CO, USA, 2Department of Pediatric Surgery, Children's Hospital of Colorado, Denver, Colorado, Aurora, CO, USA, 3University of Colorado Anschutz, Denver, CO, USA, 4Department of Surgery, St Jude Children's Research Hospital, Memphis, TN, Memphis, TN, USA, 5Hospital for Sick Children, University of Toronto, Toronto, ON, Canada, 6Children's Health Children's Medical Center, University of Texas Southwestern, Dallas, TX, Dallas, TX, USA, 7Children's Hospital Los Angeles, Los Angeles, CA, USA, 8Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA, 9Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN, Indianapolis, IN, USA, 10Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 11C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA, 12Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, 13Division of Pediatric Surgery, Medical College of Wisconsin, Children's Wisconsin, Milwaukee, WI, Milwaukee, WI, USA, 14Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, 15Division of Pediatric General and Thoracic Surgery, Seattle Children's Hospital, Seattle WA, Seattle, WA, USA, 16University of Alabama at Birmingham, Birmingham, AL, USA, 17University of Utah, Salt Lake City, UT, USA, 18Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, 19Division of Pediatric Surgery, Department of Surgery, University of North Carolina Children's Hospital, University of North Carolina at Chapel Hill, Chapel Hill, NC, Chapel Hill, NC, USA, 20Johns Hopkins Hospital, Baltimore, MD, USA, 21Division of Pediatric Surgery, Penn State Children's Hospital, Hershey, PA, Hershey, PA, USA, 22Division of Pediatric Surgery, American Family Children's Hospital, University of Wisconsin School of Medicine and Public Health, Madison, WI, Madison, WI, USA, 23Atrium Health Levine Children's Hospital, Charlotte, NC, USA, 24Nationwide Children's Hospital, Columbus, OH, USA, 25Children's Hospital of Illinois, OSF Healthcare, Dunlap, IL, USA, 26Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA, 27University of Kentucky, Lexington, KY, USA, 28Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA, 29New York Medical College, Valhalla, NY, Valhalla, NY, USA, 30Miami Associates In Pediatric Surgery, Miami, FL, USA, 31Yale New Haven Children's Hospital, New Haven, CT, USA, 32Division of Pediatric Surgery, SUNY Upstate Medical University, Syracuse, NY, Syracuse, NY, USA, 33Duke University, Durham, NC, USA, 34Stony Brook University Hospital, Stony Brook, NY, USA, 35Mass General Brigham for Children, Massachusetts General Hospital, Boston, MA, USA, 36Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 37Children's Hospital Colorado, Aurora, CO, USA

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PAN-RAS INHIBITOR CAN DECREASE TUMOR GROWTH IN NEUROBLASTOMA WITH WILD-TYPE OR MUTANT RAS

Bill Chiu, MD¹, Kevin Flores², Mubashir Mintoo, PhD³, John O'Bryan⁴

1Stanford University School of Medicine, Palo Alto, CA, USA, 2Stanford University, Palo Alto, CA, USA, 3Medical University of South Carolina, Charleston, SC, USA, 4Medical University of South Carolina

Grosfeld Scholar – Perioperative Myeloid Reprogramming of the Metastatic Niche: A Novel Window for Immunotherapy in Osteosarcoma

9:50 a.m. – 10:00 a.m.

Caroline Maloney, MD PhD, Children's Wisconsin, Milwaukee, WI, USA

Lindsay J. Talbot, MD, Department of Surgery, St Jude Children's Research Hospital, Memphis, TN, Memphis, TN, USA

Michael W. Dingeldein, MD, Rainbow Babies and Children Hospital, Cleveland, OH, USA

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

Stephanie F. Brierley, MD, Phoenix Children's Hospital, Phoenix, AZ, USA

Grosfeld Scholar – Role of alpha2,6-sialylation in Neuroblastoma Tumorigenesis

10:00 a.m. – 10:10 a.m.

Laura L. Stafman, MD, PhD, University of Alabama at Birmingham, Birmingham, AL, USA

Erika A. Newman, MD, C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA

Michael W. Dingeldein, MD, Rainbow Babies and Children Hospital, Cleveland, OH, USA

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

Stephanie F. Brierley, MD, Phoenix Children's Hospital, Phoenix, AZ, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe how the perioperative period influences systemic immune responses in cancer, including the roles of inflammation, myeloid cell recruitment, and metastatic niche formation.
- Assess how the timing and cellular targets of immunotherapy may impact treatment efficacy in osteosarcoma and identify opportunities for perioperative intervention.

International Lecture – Enhancing Precision in Pediatric Surgical Oncology: Genetics, Robotic Surgery and Patient-Specific 3D Modeling

10:35 a.m. – 11:35 a.m.

Sabine Sarnacki, MD, PhD

Assistance Publique Hôpitaux de Paris, Université Paris Cité, Paris, Ile-de-France, France

Introducer

Andrea A. Hayes Dixon, MD, *Howard University School of Medicine, Washington, DC, USA*

Chat monitor

Stephanie F. Brierley, MD, *Phoenix Children's Hospital, Phoenix, AZ, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- The impact of genetics on surgical indications and timing in pediatric tumor management.
- The indications and limitations of robot-assisted surgery in children with cancer. in osteosarcoma and identify opportunities for perioperative intervention.
- The contribution of patient-specific 3D modeling to therapeutic strategy and surgical planning in pediatric oncology.

M.O.R.E Leadership Academy: Maximizing Opportunities: Road to Excellence

11:45 a.m. – 12:45 p.m.

Arunachalam Thenappan, MD, *Bristol-Myers Squibb Children's Hospital and Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA*

Teerin T. Meckmongkol, MD PhD, *Nemours Children's Hospital, Windermere, FL, USA*

Erika Lindholm, MD, *St. Christopher's Hospital for Children, Philadelphia, PA, USA*

Prathima Nandivada, MD, *Boston Children's Hospital, Boston, MA, USA*

Nicholas E. Bruns, MD, *Atrium Health Levine Children's Hospital, Matthews, NC, USA*

Raphael C. Sun, MD, *Oregon Health and Science University, Portland, OR, USA*

Christa Grant, MD, *New York Medical College, Valhalla, NY, Valhalla, NY, USA*

Cynthia Downard, MD, *University of Louisville School of Medicine, Louisville, KY, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Have an appreciation for the APSA MORE Program offerings.
- Learn about the capstone projects and proposals from current APSA MORE participants.

Pediatric Burn Care: an APSA and ABA Collaboration

11:45 a.m. – 12:45 p.m.

Andrea A. Hayes Dixon, MD, *Howard University School of Medicine, Washington, DC, USA*

David Harrington, MD, *Brown University Health, Providence, RI, USA*

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

Pablo Aguayo, MD, *Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA*

Elizabeth A. Beierle, MD, *University of Alabama at Birmingham, Birmingham, AL, USA*

Shawn Tejiram, MD, FACS, FABA, *MedStar Washington Hospital Center, Washington, DC, USA*

Kevin Bailey, MD, *Wake Forest Health, Winston Salem, NC, USA*

Michael W. Dingeldein, MD, *Rainbow Babies and Children Hospital, Cleveland, OH, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Apply practical decision-making for common pediatric burn scenarios Equip pediatric surgeons to confidently evaluate and initiate management for common burn injuries (hand, face, and i atrogenic burns), including determining disposition (admit, discharge, or transfer).
- Recognize indications for burn center referral and early consultation Use American Burn Association (ABA) criteria in real-world cases to guide appropriate referral decisions, particularly for burns involving critical areas, young patients, or evolving injury depth.
- Implement effective early management strategies, including pain control and wound care Review high-yield approaches to analgesia, initial wound care, and caregiver education that optimize outcomes in children prior to or in conjunction with burn center involvement.

Quality and Safety Tool Kits: Recommendations for Surveillance of Complications After Esophageal Atresia Repair: What Does the Literature Actually Show. A Systematic Review from the Outcomes Committee.

2:25 p.m. – 2:50 p.m.

Brian C. Gulack, MD, MHS, *Division of Pediatric Surgery, Department of Surgery, Rush University Medical Center, Chicago, IL, USA*

Barrie S. Rich, MD, *Feinstein/Northwell, Cohen Children's Medical Center, Queens, NY, Queens, NY, USA*

Emily R. Christison-Lagay, MD, *Yale New Haven Children's Hospital, New Haven, CT, USA*

Jason P. Sulkowski, MD, *University of Chicago, Chicago, IL, USA*

Sandra Kabagambe, MD, *Carle Illinois College of Medicine, Savoy, IL, USA*

Jeannette M. Joly, MD, *McGovern Medical School at UTHealth Houston, Houston, TX, USA*

Raphael C. Sun, MD, *Oregon Health and Science University, Portland, OR, USA*

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

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Systematic Review of Long-Term Management of Tracheo-Esophageal Fistula.

Scientific Session 1: General

Moderators

Mark B. Slidell, MD MPH, *The Johns Hopkins Children's Hospital, Baltimore, MD, USA*

Afif N. Kulaylat, MD, MSc, *Pennsylvania State University, University Park, PA, USA*

S1

DISENTANGLING FEEDING PRACTICES FROM SOCIOECONOMIC FACTORS IN PYLORIC STENOSIS RISK

Natalie F. Berger, MD¹, Rosa Hwang, BS², Camryn J. Krumbhaar, BS³, Keith Baxelbaum, PhD³, Peter Mattei, MD⁴

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

3Children's Hospital of Philadelphia, Philadelphia, PA, USA, 4Children's Hospital of Philadelphia, Philadelphia, PA,

Philadelphia, PA, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Critique national trends in the surgical management of pediatric inguinal hernias.
- Evaluate ultrasound use in the diagnosis of pediatric malrotation.

S2

A MULTICENTER STUDY OF MALROTATION: EVALUATION OF PREOPERATIVE ULTRASOUND AND REOPERATION RATES FOR VOLVULUS AND SMALL BOWEL OBSTRUCTION

Stephanie F. Brierley, MD¹, Russell B. Hawkins, MD², Anastasia M. Kahan, MD³, Sarah B. Cairo, MD, MPH⁴, Benjamin D. Carr, MD⁵, Carly J. Celebrezze, MD, MSc⁶, Laurel L. Coleman, BS⁷, Terecia M. Cox, MS, CCRP⁸, Jose Diaz-Miron, M.D.⁹, Ryan Hare, BS¹⁰, Simone C. Hyman, MD¹¹, Romeo C. Ignacio, MD MS MPath¹², Benjamin A. Keller, MD¹³, Aimee G. Kim, MD¹⁴, Emma Kirkpatrick, BS¹⁵, Jenna S. Lee, MD¹⁶, Justin Lee, MD¹⁷, Kimble W. Mahler, B.S.¹⁸, Douglass W. Morris¹⁹, Lauren Nicassio¹⁷, Cory Pfeifer, MD, MBA, MPH, MS²⁰, David H. Rothstein, MD, MS²¹, Cortnie R. Vaughn, MD²², Sage A. Vincent, MD²³, Lucas I. Zeida Haar, BSA²⁴, Robert Wright, PhD²⁵, Benjamin E. Padilla, MD¹

1Phoenix Children's Hospital, Phoenix, AZ, USA, 2UT Southwestern Medical Center, Department of Pediatric Surgery, Dallas, TX, USA, 3University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, 4University of California-San Francisco Benioff Children's Hospital, San Francisco, CA, USA, 5Oregon Health & Science University, Portland, OR, USA, 6Stanford University, MENLO PARK, CA, USA, 7University of Washington School of Medicine, Boise, ID, USA, 8Seattle Children's, Seattle, WA, USA, 9Children's Hospital of Colorado, Aurora, CO, USA, 10Phoenix Children's, Tempe, AZ, USA, 11UCSD General Surgery, San Diego, CA, USA, 12Rady Children's Hospital San Diego, San Diego, CA, USA, 13Rady Children's Hospital, San Diego, CA, USA, 14Children's Hospital Los Angeles and Keck School of Medicine of USC, Department of Surgery, Division of Pediatric Surgery, Los Angeles, CA, USA, 15Keck School of Medicine of the University of Southern California, Los Angeles, CA, USA, 16Children's Hospital Los Angeles, Los Angeles, CA, USA, 17Phoenix Children's, Phoenix, AZ, USA, 18University of Utah Division of Pediatric Surgery, Salt Lake City, UT, USA, 19UC Berkeley - UCSF Joint Medical Program, Oakland, CA, USA, 20Phoenix Children's, Phoenix, AZ, USA, 21Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, 22Oregon Health and Science University, West Sacramento, CA, USA, 23Children's Hospital Colorado, Golden, CO, USA, 24University of Texas Southwestern Medical Center, Frisco, TX, USA, 25Stanford University, Stanford, CA, USA

S3**NATIONAL TRENDS IN THE MANAGEMENT AND OUTCOMES OF INGUINAL HERNIAS IN PREMATURE INFANTS**

Sophia Schermerhorn, MPH MD¹, Simone C. Hyman, MD2, Gerald Gollin, MD3

1Naval Medical Center San Diego, San Diego, CA, USA, 2UCSD General Surgery, San Diego, CA, USA, 3University of California San Diego, San Diego, CA, USA

S4**ASCENDING TESTIS AS A COMPLICATION OF PEDIATRIC INGUINAL HERNIA REPAIR: A NATIONAL COHORT COMPARISON OF LAPAROSCOPIC VERSUS OPEN APPROACHES**

Rasa H. Anvari, BA¹, Sierra D. Land, MA2, Nia N. Savera, MS1, Darren Z. Nin, PhD3, John J. Tackett, MD, MHS4, Ami N. Shah, MD, FACS4, Brian C. Gulack, MD, MHS4

1Rush Medical College, Chicago, IL, USA, 2Rush University Medical College, Chicago, IL, USA, 3Department of Surgery, Rush University Medical Center, Chicago, IL, USA, 4Division of Pediatric Surgery, Department of Surgery, Rush University Medical Center, Chicago, IL, USA

S5**DOES AGE MATTER? COMPARING POST-OPERATIVE OUTCOMES FOLLOWING GASTROSTOMY TUBE PLACEMENT IN YOUNG CHILDREN: A NSQIP-PEDIATRIC STUDY**

Alexa G. Turpin, MD¹, Brenna Rachwal, MPH2, Lindsey Asti, PhD, MPH1, Suhani Bhatt2, Peter C. Minneci, MD, MHSc1, Loren Berman, MD1

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

S6**PUBERTAL GROWTH AND NUTRITIONAL SUPPORT IN PEDIATRIC INTESTINAL FAILURE**

Elizabeth L. O'Daniel, MD, Rosa Bronsdijk, Steven J. Staffa, MS, Brittany DePaula, RD, LDN, CNSC, Frances Grimstad, Lissette Jimenez, MD, MPH, Biren P. Modi, MD MPH

Boston Children's Hospital, Boston, MA, USA

S7**SEVERE NEUTROPENIA AND STEROID USE ARE RISK FACTORS FOR PORT INFECTION: A SINGLE INSTITUTION RETROSPECTIVE STUDY**

Olivia L. Katz, MD¹, Rosa Hwang, BS2, Camryn J. Krumbhaar, BS1, Kayla Neary, BS3, Peter Mattei, MD4, Myron Allukian, MD5

1Children's Hospital of Philadelphia, Philadelphia, PA, USA, 2Children's Hospital of Philadelphia, Philadelphia, PA, USA, 3Sidney Kimmel Medical College, Philadelphia, PA, USA, 4Children's Hospital of Philadelphia, Philadelphia, PA, USA, 5CHOP, Philadelphia, PA, USA

S8**DELAYED APPENDECTOMY IN PEDIATRIC CANCER PATIENTS WITH LEUKOPENIA IS ASSOCIATED WITH WORSENERD OUTCOMES**

Michelle Hough, MD, R

Jenna S. Lee, MD, Shadassa Ourshalimian, MPH, James Stein, MD, MSc, FACS, FAAP, Michael J. Zobel, MD

Children's Hospital Los Angeles, Los Angeles, CA, USA

S9**INTERHOSPITAL TRANSFERS IN CHILDREN WITH SUSPECTED APPENDICITIS-A REFERRAL CENTER EXPERIENCE**

Anjela Abdul Wahid, HBSc1, Eveline Lapidus-Krol, RN, MSc1, Kyung Young (Peter) Kim, PhD2, Avery Nathens, MPH, MD, PhD2, Joshua Ramjist, MD1, Saurabh Saluja, MD1

1The Hospital for Sick Children, Toronto, ON, Canada, 2University of Toronto, Toronto, ON, Canada

S10**A NATIONAL GEOSPATIAL ANALYSIS OF PEDIATRIC SURGICAL PRACTICES AND THE CHILDREN THEY SERVE**

Robert L. Ricca, MD, MPH¹, Alicia C. Greene, DO2, Megan T. Vu, MD3, Nicholas Hamilton, MD4, Mitchell R. Ladd, MD, PhD5, Dimitra Lotakis, MD6, Daniel K. Robie, MD7, Carmelle Romain, MD8, Mary J. Edwards, MD9, Alfred P. Kennedy, MD10, Jessica A. Zagory, MD11, Krysta M. Sutyak, DO12, Mary E. Fallat, MD13, Annie Zeug, MD14, Nicole M. Chandler, MD15, Faidah Badru, MD16, George M. Wadie, MD17, Joseph Iacono, MD, MBA18, Lindsey L. Wolf, MD, MPH19, Laura N. Purcell, MD, MPH20, Marybeth Browne, MD21, Patrick Bonasso, MD22, Rajeev Prasad, MD23, Samuel M. Alaish, MD24, Anthony DeRoss, MD25, Sung-Gheel Jang26, Abigail E. Martin, MD MA FAAP27, Kenneth W. Gow, MD, MHA28

1Pennsylvania State University, Hershey, PA, USA, 2Penn State Hershey Medical Center, Hershey, PA, USA, 3Expeditionary Medical Facility 150 Mike, United States Navy, Jacksonville, FL, USA, 4Community Medical Center, Portland, OR, USA, 5Surgery/Wake Forest University School of Medicine, Winston-Salem, NC, USA, 6Riley Hospital for Children, Indianapolis, IN, USA, 7Dayton Children's Hospital, Dayton, OH, USA, 8University of Chicago, Chicago, IL, USA, 9Albany Medical Center, Albany, NY, USA, 10Geisinger, Danville, PA, USA, 11LSU Health New Orleans, New Orleans, LA, USA, 12McGovern Medical School at UTHHealth Houston, Houston, TX, USA, 13Hiram C. Polk, Jr., M.D. Department of Surgery, University of Louisville, Louisville, KY, USA, 14Surgical Associates of Neenah / Thedacare, Greenville, WI, USA, 15Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, 16Charleston Area Medical Center, Charleston, WV, USA, 17St. Joseph Health PLLC, Cary, NC, USA, 18AKron Children's Hospital, Akron, OH, USA, 19University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock, AR, USA, 20UT Southwestern, Dallas, TX, USA, 21Lehigh Valley Reilly Children's Hospital, Allentown, PA, USA, 22WVU Medicine Golisano Children's Hospital, USA, 23St. Luke's University Health Network, Bethlehem, PA, USA, 24Johns Hopkins, Baltimore, MD, USA, 25Cleveland Clinic, Cleveland, OH, USA, 26Stony Brook University, Stony Brook, NY, USA, 27Locum Tenens, Lexington, KY, USA, 28Stony Brook Children's Hospital, Stony Brook, NY, USA

S11

LOCUM TENENS: A NATIONAL ASSESSMENT OF THE PEDIATRIC SURGERY WORKFORCE

Abigail E. Martin, MD MA FAAP¹, Anthony DeRoss, MD², Alicia C. Greene, DO³, Megan T. Vu, MD⁴, Nicholas Hamilton, MD⁵, Mitchell R. Ladd, MD, PhD⁶, Dimitra Lotakis, MD⁷, Daniel K. Robie, MD⁸, Carmelle Romain, MD⁹, Mary J. Edwards, MD¹⁰, Alfred P. Kennedy, MD¹¹, Jessica A. Zagory, MD¹², Krysta M. Sutyak, DO¹³, Mary E. Fallat, MD¹⁴, Annie Zeug, MD¹⁵, Faidah Badru, MD¹⁶, George M. Wadie, MD¹⁷, Joseph Iocono, MD, MBA¹⁸, Lindsey L. Wolf, MD, MPH¹⁹, Laura N. Purcell, MD, MPH²⁰, Marybeth Browne, MD²¹, Patrick Bonasso, MD²², Rajeev Prasad, MD²³, Samuel M. Alaish, MD²⁴, Sung-Gheel Jang²⁵, Robert L. Ricca, MD, MPH²⁶, Kenneth W. Gow, MD, MHA²⁷

1Locum Tenens, Lexington, KY, USA, 2Cleveland Clinic, Cleveland, OH, USA, 3Penn State Hershey Medical Center, Hershey, PA, USA, 4Expeditionary Medical Facility 150 Mike, United States Navy, Jacksonville, FL, USA, 5Community Medical Center, Portland, OR, USA, 6Surgery/Wake Forest University School of Medicine, Winston-Salem, NC, USA, 7Riley Hospital for Children, Indianapolis, IN, USA, 8Dayton Children's Hospital, Dayton, OH, USA, 9University of Chicago, Chicago, IL, USA, 10Albany Medical Center, Albany, NY, USA, 11Geisinger, Danville, PA, USA, 12LSU Health New Orleans, New Orleans, LA, USA, 13McGovern Medical School at UTHHealth Houston, Houston, TX, USA, 14Hiram C. Polk, Jr., M.D. Department of Surgery, University of Louisville, Louisville, KY, USA, 15Surgical Associates of Neenah / Thedacare, Greenville, WI, USA, 16Charleston Area Medical Center, Charleston, WV, USA, 17St. Joseph Health PLLC, Cary, NC, USA, 18AKron Children's Hospital, Akron, OH, USA, 19University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock, AR, USA, 20UT Southwestern, Dallas, TX, USA, 21Lehigh Valley Reilly Children's Hospital, Allentown, PA, USA, 22WVU Medicine Golisano Children's Hospital, USA, 23St. Luke's University Health Network, Bethlehem, PA, USA, 24Johns Hopkins, Baltimore, MD, USA, 25Stony Brook University, Stony Brook, NY, USA, 26Pennsylvania State University, Hershey, PA, USA, 27Stony Brook Children's Hospital, Stony Brook, NY, USA

S12

A CENTURY OF PROGRESS: EVOLVING RACIAL AND ETHNIC DIVERSITY IN U.S. AND CANADIAN PEDIATRIC SURGERY TRAINING

Annie Giron, MD, MS¹, Raquel González, MD, MHCM², Colin Martin, MD³, Peter T. Yu, MD, MPH⁴, April A. Carlson, MD⁵, Shanquell M. Dixon, MD⁶, Laura A. Boomer, MD⁷, Lisa M. Jackson, BA⁸, James Petrancosta⁹, Nina D. Kosciuszke, DO, MS¹⁰, Sophia Rong Liu, MD¹¹, Kim Tawny¹², Kristen Calabro, MD, MBS, FACS, FAAP¹¹, Kenneth W. Gow, MD, MHA¹³

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Scientific Session 2: Advocacy and Trauma

Moderators

Denise B. Klinkner, MD, Med, Department of Surgery, Division of Pediatric Surgery, Mayo Clinic, Rochester, MN, USA, Marion C. W Henry, MD, MPH, University of Chicago, Chicago, IL, USA

LEARNING OBJECTIVES: By the end of the presentation, attendees will be able to:

- Review patient preferences regarding use of social media for medical decision making.
- Discuss cost-effectiveness of firearm storage in pediatric firearm injury prevention.

S13**IMPACT OF TRAVEL DISTANCE ON OUTCOMES FOR COMMON PEDIATRIC SURGICAL PROCEDURES**

Josélio Rodrigues de Oliveira Filho, MD¹, Reagan A. Collins, MD², Cody L. Mullens, MD, MPH³, Lena Papadakis¹, Gopika SenthilKumar, PhD⁴, Kyle J. Van Arendonk, MD Ph.D⁵, Cornelia Griggs, MD, MPH⁶

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S14**REDUCING BARRIERS TO PEDIATRIC SURGICAL CARE: THE VALUE OF A RURAL CLOSE-TO-HOME CLINIC**

Katherine C. Bergus, MD, MPH¹, Shachi Srivatsa, MD, MPH², Skyler E. Kalady, MD³, Kyle J. Van Arendonk, MD Ph.D³, Sara A. Mansfield, MD⁴

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S15**INSTITUTIONAL VARIABILITY IN PEDIATRIC ONCOFERTILITY RESOURCES: A MULTICENTER SURVEY OF NORTH AMERICAN HOSPITALS CARING FOR CHILDREN**

Annie Talbot, MD¹, Jonathan Roach, MD², Nicholas Cost, MD³, Lindsay J. Talbot, MD⁴, Rodrigo Romao, MD, MSc⁵, Joseph T. Murphy, MD⁶, Donald J. Lucas, MD, MPH⁷, Roshni Dasgupta, MD, MPH⁸, Barrett P. Cromeens, DO, PhD⁹, Timothy B. Lautz, MD¹⁰, Erika A. Newman, MD¹¹, Marcus M. Malek, MD¹², Brian T. Craig, MD¹³, Jennifer H. Aldrink, MD¹⁴, Kimberly J. Riehle, MD¹⁵, Laura L. Stafman, MD, PhD¹⁶, Maren E. Shipe, MD, MPH¹⁷, Stephanie F. Polites, MD, MPH¹⁸, Elisabeth Tracy, MD¹⁹, Megan Murphy, MD²⁰, Aodhnait S. Fahy, BMBCh, PhD²¹, Hau D. Le, MD²², Jonathan P. Walker, MD²³, Erica C. Arnold, MD²⁴, Daniel J. Robertson, MD²⁵, Erin G. Brown, MD²⁶, Amanda Buchanan, MD²⁷, Laura A. Boomer, MD²⁸, Melissa Suh, MD, Christa Grant, MD²⁹, Shahab Shaffiey, MD, MSc³⁰, Emily R. Christison-Lagay, MD³¹, Tamer M. Ahmed, MD³², Henry E. Rice, MD³³, Kristen Calabro, MD, MBS, FACS, FAAP³⁴, Danielle B. Cameron, MD MPH³⁵, Chloé Boehmer, MA⁸, Madeline Peters, BS³⁶, Kristine S. Corkum, MD³⁷

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S16

THE USE OF SOCIAL MEDIA FOR HEALTH INFORMATION IN MEDICAL DECISION MAKING: A CROSS-SECTIONAL SURVEY OF PATIENT PREFERENCES

Darby Q. Le, BA¹, Christopher H. Noda, M.D¹, Nicole M. Santucci, MD, MAEd, MPHS², Colin Martin, MD², Kathryn J. Rowland, MD, MPHS¹

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S17

UTILITY OF LARGE LANGUAGE MODELS IN PEDIATRIC TRAUMA TRIAGE: AN AGE-STRATIFIED ANALYSIS OF PROMPT ENGINEERING

Brendan Fox, BS¹, Ascharya Balaji², Philip Seger², Andrew B. Nordin, MD³, Sharifa Himidan, MBBS, MBA, FRCSC, FAAP, FACS⁴, Gene Yang², Tiffany Fabiano², Kaity Tung², Steven Schwaitsberg², Peter Kim³

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S18

COST-EFFECTIVENESS OF SAFE STORAGE IN PREVENTING PEDIATRIC FIREARM INJURIES

Daniel Ferman, MD¹, Anna Bishop, BA², Kathleen Carlson, MS, PhD², Mubeen A. Jafri, MD, FACS, FAAP¹, Aaron B. Caughey, MD, MPH, PhD², Raphael C. Sun, MD³, Cortnie R. Vaughn, MD⁴

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S19

FACTORS ASSOCIATED WITH REFERRALS AFTER SUBSTANCE USE SCREENING IN ADOLESCENT TRAUMA PATIENTS

Jenna S. Lee, MD¹, Ryan Spurrier, MD¹, Jordan M. Rook, MD, PhD², Banan W. Otaibi, MD¹, Shadassa Ourshalimian, MPH¹, Emma Kirkpatrick, BS³, Rabab M. Barq, MD, MS⁴, Pradip Chaudhari, MD MS¹, Lorraine I. Kelley-Quon, MD MSHS⁵

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S20

SURGICAL ANTIBIOTIC PROPHYLAXIS USE IN PEDIATRIC AND ADOLESCENT OVARIAN SURGERY: A NSQIP-PEDIATRIC ANALYSIS

Erica C. Arnold, MD¹, Yueran Zhang, MS¹, Geri Hewitt, MD², Kyle J. Van Arendonk, MD PhD³, Jennifer H. Aldrink, MD⁴, Sara A. Mansfield, MD⁵

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S21

PERINATAL PALLIATIVE CARE APPROACH TO FETAL DIAGNOSIS OF TRISOMY 18

Kathleen Heller, MD, MS¹, Julia DeCelles-Zwerneman, MD², Erica Weidler Baimbridge, MEd, MA², Patrick McGovern, MD², Billie Winegard, MD², Kathleen van Leeuwen, MD³

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S22

TRENDS IN HEALTHCARE UTILIZATION FOR CONGENITAL ANOMALY CARE FOLLOWING THE REVERSAL OF FEDERAL ABORTION PROTECTIONS

Humza Thobani¹, Anam N. Ehsan, MBBS², Asad Rao³, Bilal Iqbal³, Daniel Tahan, BS³, Javeria Javed, MBBS⁴, Adil A. Shah, MD⁵, Timothy Tirrell, MD, PhD³, Chad M. Thorson, MD, MSPH⁶, Karl Sylvester, Saleem Islam, MD, MPH⁷, Faraz Ali Khan, MD³

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S23

EXPERT CONSENSUS ON EX-UTERO INTRAPARTUM TREATMENT: A DELPHI STUDY FROM THE NORTH AMERICAN FETAL THERAPY NETWORK (NAFTNET)

Rakesh R. Gurralla, MD MBA¹, Michael Puricelli, MD2, Inna N. Lobeck, MD, FACS, FAAP3

1Children's Mercy – Kansas City, Kansas City, MO, USA, 2University of Missouri-Kansas City School of Medicine, Houston, TX, USA, 3Kansas City, MO, USA

Scientific Session 3: Fetal

Moderators:

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

Raphael C. Sun, MD, *Oregon Health and Science University, Portland, OR, USA*

LEARNING OBJECTIVES: By the end of the presentation, attendees will be able to:

- Evaluate varying approaches to fetal myelomeningocele closure.
- Better understand the molecular mechanism of fetal stretch-induced esophageal growth.

S24

THE ROLE OF PRENATAL DIAGNOSIS IN PREDICTING NEONATAL COMPLICATIONS AND OUTCOMES FOLLOWING EX-UTERO INTRAPARTUM TREATMENT

Jeannette M. Joly, MD¹, Krysta M. Sutyak, DO1, Erin M. Morris, MD1, Catherine Tang, BS2, Felicia V. LeMoine, MD3, Mary T. Austin, MD, MPH1, Ahmet Baschat, MD4, Linda M. Cherney-Stafford, MPH5, S. Christopher Derderian, MD6, Vincent P. Duron, MD7, Caitlin Eason, MD, MPH6, Jimmy Espinoza, MD8, Gabriella Grisotti, MD PhD9, Anthony Johnson, DO10, Devashish Joshi, MD11, Michelle Kush, MD12, Kevin P. Lally, MD, MS1, Hanmin Lee, M.D.13, Inna N. Lobeck, MD, FACS, FAAP14, Tony Lum, MD15, Ariana Mayher16, Allyson Montalvo, BS17, Ramesha Papanna, MD, MPH2, Deion R. Pena, MS18, Michael Puricelli, MD19, Jerrie S. Refuerzo, MD2, Kaylene Ross20, Laura Vricella, MD19, Yeu Sanz Wu, MD7, Michael Zaretsky, MD18, KuoJen Tsao, MD21

1McGovern Medical School at UTHealth Houston, Houston, TX, USA, 2UTHealth Houston McGovern Medical School, Houston, TX, USA, 3Division of Fetal Intervention, McGovern Medical School at UTHealth Houston, Houston, TX, TX, USA, 4Johns Hopkins University, Baltimore, MD, USA, 5University of Wisconsin School of Medicine & Public Health, Division of Pediatric Surgery, Madison, WI, USA, 6Children's Hospital of Colorado, Denver, CO, USA, 7New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, 8University of Texas Houston, Sugar Land, TX, USA, 9Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 10McGovern Medical School at UTHealth, Houston, TX, USA, 11University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, 12Johns Hopkins Medicine Department of Gynecology and Obstetrics, Houston, TX, USA, 13UCSF Benioff Children's Hospital, San Francisco, CA, USA, 14Kansas City, MO, USA, 15University of California San Francisco, Houston, TX, USA, 16Children's Hospital Colorado, centennial, CO, USA, 17Children's Hospital Colorado, Aurora, CO, USA, 18Children's Hospital Colorado, Houston, TX, USA, 19University of Missouri-Kansas City School of Medicine, Houston, TX, USA, 20Children's Hospital Colorado, Houston, TX, USA, 21University of Texas Health Science Center at Houston, Houston, TX, USA

S25

PERINATAL MANAGEMENT OF CONGENITAL LUNG MALFORMATIONS: A MULTICENTER COMPARISON OF EXIT, IMMEDIATE RESECTION, AND EMERGENT SURGERY

Rakesh R. Gurralla, MD MBA¹, Nicole J. Bertaux, DO2, Latoya Stewart, MD, MSc2, Cortnie R. Vaughn, MD3, Terry L. Buchmiller, MD4, Casey M. Calkins, MD5, Benjamin D. Carr, MD6, Darrell L. Cass, MD7, Joseph T. Church, MD8, S. Christopher Derderian, MD9, Stephen J. Fenton, MD10, Anthony Ferrantella, MD11, Brian W. Gray, MD12, Patricia S. Greco, MD8, Aimee G. Kim, MD13, Jason O. Robertson, MD, MS14, Beth A. Rymeski, DO15, Christopher W. Snyder, MD, MSPH16, Raphael C. Sun, MD17, Jesse D. Vrecenak, MD18, Laura Vricella, MD19, Peter T. Yu, MD, MPH20, Irving J. Zamora, MD, MPH, FACS21, Shaun M. Kunisaki, MD, MSc22, Inna N. Lobeck, MD, FACS, FAAP23

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Children's, Cleveland, OH, USA, 15Cincinnati Children's Hospital, Cincinnati, OH, USA, 16Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, 17Oregon Health and Science University, Portland, OR, USA, 18Washington University in St Louis, St Louis, MO, USA, 19University of Missouri-Kansas City School of Medicine, Houston, TX, USA, 20Children's Hospital of Orange County, Orange, CA, USA, 21Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA, 22Johns Hopkins, Baltimore, MD, USA, 23Kansas City, MO, USA

S26

FETOSCOPIC VERSUS OPEN APPROACHES TO FETAL MYELOMENINGOCELE CLOSURE, A SINGLE INSTITUTION EXPERIENCE

Caitlin Eason, MD, MPH¹, Derek C. Samples, MD², Deion R. Pena, MS³, Allyson Montalvo, BS², Virginia Lijewski, MPH⁴, Blair W. Weikel, MPH⁵, Nicholas Berhendt, MD², Michael Zaretsky, MD³, Henry Galan, MD², Abby C. Larson, MD⁶, David Mirsky, MD², Aimen Shaaban, MD⁷, S. Christopher Derderian, MD¹

1Children's Hospital of Colorado, Denver, CO, USA, 2Children's Hospital Colorado, Aurora, CO, USA, 3Children's Hospital Colorado, Houston, TX, USA, 4University of Colorado, Aurora, CO, USA, 5University of Colorado Anschutz Medical Campus, Aurora, CO, USA, 6Children's Hospital Colorado, Denver, CO, USA, 7Lurie Children's Hospital of Chicago, Chicago, IL, USA

S27

INCIDENCE OF HISTOLOGIC CHORIOAMNIONITIS FOLLOWING FETOSCOPIC ENDOLUMINAL TRACHEAL OCCLUSION FOR CONGENITAL DIAPHRAGMATIC HERNIA

Sierra D. Land, MA¹, Courtney Kaplan, BA², Thomas Reynolds, MFA, MBA³, Leny Mathew, PhD⁴, Rebecca Linn, MD⁵, Juliana Gebb, MD⁴, Jana Lenart, BS³, Holly L. Hedrick, MD³

1Rush University Medical College, Chicago, IL, USA, 2University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA, 3Children's Hospital of Philadelphia, Philadelphia, PA, USA, 4The Children's Hospital of Philadelphia, Philadelphia, PA, USA, 5The Children's Hospital of Philadelphia, Philadelphia, PA, USA

S28

MAMMALIAN-OPTIMIZED PLASMID DNA (PDNA) AS A NOVEL AGENT OF TRANSAMNIOTIC NUCLEIC ACID THERAPY (TRANAT): PHARMACOKINETICS IN A MURINE MODEL

Alex L. Huang, MD¹, Sara L. Lee, MD, MEng², Clark Hager¹, Tanya Dang, BA¹, Beatriz S. Bechara¹, Melody Tai¹, Julia Penafiel¹, Ina Kycia, PhD¹, David Zurakowski, MS PhD¹, Dario O. Fauza, MD PhD FAAP¹

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S29

IN UTERO BASE EDITING MITIGATES THE DISEASE PHENOTYPE OF MUCOPOLYSACCHARIDOSIS TYPE 1 IN A HUMANIZED MURINE MODEL

Kara Kennedy, MD¹, Andrew Mudreac, MD², Hooda Said³, Marco Carpenter, PhD⁴, Cara L. Berkowitz, MD, MTR⁵, Nicole Kus, MD⁶, Adele Ricciardi, MD PhD¹, John Sincavage, MD⁷, Ana Maria Dumitru, MD, PhD⁸, Xinying Hong, PhD⁹, Philip Zoltick, MD¹⁰, Rebecca Ahrens-Nicklas, MD PhD¹, Kiran Musunuru, MD PhD¹, Mohamad-Gabriel Alameh, PhD¹, William H. Peranteau, MD¹

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S30

THE HIPPO/YAP/TAZ PATHWAY IS INVOLVED IN STRETCH-INDUCED ESOPHAGEAL GROWTH IN A FETAL LAMB MODEL OF LONG-GAP ESOPHAGEAL ATRESIA

Nicolas Vinit, MD, MSc¹, Jessica C. Pollack, MD, MS², Rachel Conan, BS³, Mia Kwechin⁴, Shelley Jain⁴, Rachel A. Sachs, MD⁵, Melanie Bates, MSE⁶, Thomas E. Hamilton, MD⁴, Emily Partridge, MD, PhD⁷

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S31**TRANSCRIPTOMIC SIGNATURES OF INTESTINAL DYSFUNCTION IN A FETAL LAMB MODEL OF COMPLEX GASTROSCHISIS**

Mary Elizabeth Guerra, MD¹, Tomohiro Arai, MD², Ling Yu, PhD¹, Hui Li, PhD³, Luc Joyeux, MD, PhD⁴, Jan Deprest, MD, PhD⁵, Swathi Balaji, PhD³, Sundeep G. Keswani, MD, MBA, FACS, FAAP⁶

1Baylor College of Medicine, Houston, TX, USA, 2KU Leuven, Leuven, Vlaams-Brabant, Belgium, 3Baylor College of Medicine/Texas Children's Hospital, Houston, TX, USA, 4Texas Children's Hospital, Houston, TX, USA, 5University Hospitals KU Leuven, Leuven, Vlaams-Brabant, Belgium, 6Baylor College of Medicine and Texas Children's Hospital, Bellaire, TX, USA

S32**LOSS OF PROMININ-1 LEADS TO IMPAIRED CILIOGENESIS ASSOCIATED WITH BILIARY ATRESIA**

Huy Giang, PhD in progress¹, Kasper Wang, MD², Fereshteh Karimzadeh, PhD³, Pakyin Wong, Master in Philosophy in Life science⁴

1Institute of Medical Science, University of Toronto, North York, ON, Canada, 2The Hospital for Sick Children/University of Ontario, Toronto, ON, Canada, 3The hospital for sick children, Richmond Hill, ON, Canada, 4Sickkids, Toronto, ON, Canada

S33**THE JAMES A. O'NEILL, JR. GLOBAL PEDIATRIC SURGERY RESEARCH GRANT: LESSONS LEARNED AND RESEARCH THEMES IN APSA FUNDED GLOBAL PEDIATRIC SURGERY RESEARCH**

Alexa A. Engel, MD, MPH¹, Adi Fahy, MBChB, PhD, MSc², Monica Langer, MD, MS³, Sanjay Krishnaswami, MD⁴, Robin T. Petroze, MD MPH⁵, Charlotte Kvasnovsky, MD PhD MPH⁶

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Scientific Session 4: Global**Moderators:**

Robin T. Petroze, MD MPH, C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA
 Monica Langer, MD, MS, Global Health Program, Boston Children's, Harvard Medical School, Boston, MA, USA
 Drew A. Rideout, MD, PhD, Tampa Pediatric Surgery, FL, USA
 Suzanne Yoder, MD MPH, Locum Tenens, Shell Beach, CA, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe barriers to neonatal surgical care in low resource settings.
- Identify psychosocial challenges for caregivers and children with stomas in low resource settings.

S34**CRITICAL SHORTAGES IN PEDIATRIC SURGICAL CARE ACROSS WEST AFRICA: A WORKFORCE DENSITY PROJECTION**

Dorothy R. Stearns, MD, MPH¹, Andrea Riner, MD, MPH², Chisom Udeigwe-Okeke, MBBS, MWACS, FWACS³, Justina O. Seyi-Olajide, MBBS⁴, Emmanuel Ameh, MBBS, FWACS⁵, Benedict C. Nwomeh, MD, MPH⁶

1The Ohio State University, Ypsilanti, MI, USA, 2The Ohio State University, Columbus, OH, USA, 3National Hospital, Department of Paediatric Surgery, Abuja, Federal Capital Territory, Nigeria, 4Lagos University Teaching Hospital, Lagos, Lagos, Nigeria, 5National hospital Abuja, Abuja, Federal Capital Territory, Nigeria, 6Nationwide Children's Hospital, Columbus, OH, USA

S35**FROM VOICES TO ACTION: A MIXED-METHODS NEEDS ASSESSMENT OF BARRIERS TO NEONATAL SURGICAL CARE IN A LOW-RESOURCE SETTING**

Xinyi Luo, MD¹, Martin Chigwede², Chimwemwe Nkhonjera², Brighton Nkhata², Nadia Hussein³, Amarylis Mapurisa, MBBS², Anthony Charles, MD, MPH⁴, Bip Nandi⁵, Agatha Bula³, Lindsey L. Wolf, MD, MPH⁶, Jed Nuchtern, MD⁷

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S36

STRUCTURED PEDIATRIC SURGICAL OUTREACH FOR REFUGEE CHILDREN: EARLY OUTCOMES FROM AN OUTREACH PROGRAM IN SOUTHWESTERN UGANDA

Kara Faktor, MD, MSc¹, Felix Oyania, MBChB, MMed, PhD², Moris Baluku, MBChB, MMed³, Daniel Kisitu, MBChB, MMed², Doruk Ozgediz, MD, MSc⁴

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S37

POSTERIOR URETHRAL VALVES IN CHILDREN: ACHIEVING RENAL PRESERVATION THROUGH INTEGRATED MULTIDISCIPLINARY CARE IN A RESOURCE-LIMITED REGION

Mathula Hettiarachchi, MBBS MD MRCS, Shenal Thalgahagoda, MBBS, MD

Faculty of Medicine, University of Peradeniya and Sirimavo Bandaranaike Specialised Children's Hospital, Kandy, Central Province, Sri Lanka

S38

PEDIATRIC ABDOMINAL TUBERCULOSIS: EXPERIENCE FROM A RESOURCE CONSTRAINED ENDEMIC SETTING

Javeria Javed, MBBS¹, Fatima Zahra², Rashida Abbas Fakhruddin Lacewala², Maryam Aftab³, Samira Imran³, Bakhtawar Dilawar, MBBS¹, Muhammad Aqil Soomro, MBBS¹, Saqib Qazi, MBBS¹, Saleem Islam, MD, MPH⁴, **Humza Thobani, MBBS⁵**

1Section of Pediatric Surgery - Department of Surgery, Aga Khan University, Karachi, Sindh, Pakistan, 2Medical College, Aga Khan University, Karachi, Sindh, Pakistan, 3Indus Hospital and Health Network, Karachi, Sindh, Pakistan, 4Aga Khan University, Karachi City, Sindh, Pakistan, 5Aga Khan University, Karachi, Sindh, Pakistan

S39

PSYCHOSOCIAL CHALLENGES AND COPING MECHANISMS AMONG CAREGIVERS OF CHILDREN LIVING WITH STOMAS IN SOUTHWESTERN UGANDA

Anna R. McPherson¹, Wigdan S. Hissein², Moris Baluku, MBChB, MMed³, Joseph Kiwanuka³, Chrispin F. Wonyoto³, Emmanuel Bua³, Saidat Nabiyiki⁴, Eden Belay Telahun, MD³, Godfrey Zari Rukundo⁵, Doruk Ozgediz, MD, MSc⁶, Olivia McGinnis, PhD, MPH⁷, Tamara N. Fitzgerald, MD⁸, Felix Oyania, MBChB, MMed, PhD⁹

1Duke University, Global Health Institute, Winston Salem, NC, USA, 2Duke University, Duke Global Health Institute, Durham, NC, USA, 3Mbarara University of Science and Technology, Mbarara, Mbarara, Uganda, 4Mbarara University of Science and Technology, Cincinnati, OH, USA, 5Department of Psychiatry and Behavioural Neurosciences, McMaster University, Mbarara, Mbarara, Uganda, 6Center for Health Equity in Surgery and Anesthesia, University of California San Francisco, Mbarara, Mbarara, Uganda, 7Duke University, Global Health Institute, Durham, NC, USA, 8Duke University Medical Center, Durham, NC, USA, 9Mbarara University of Science & Technology, Mbarara, Mbarara, Uganda

S40

DEVELOPMENT OF A GASTROSCHISIS TEACHING MODEL TO ENABLE TASK SHARING IN UGANDA

Wigdan S. Hissein¹, Anthony Eze, MD, MPH², Oyinoluwa Adaramola, MBBS, MPH³, Phillip Hsu, MD⁴, Shannon Barter, MD², Olivia McGinnis, PhD, MPH⁵, Felix Oyania, MBChB, MMed, PhD⁶, Tamara N. Fitzgerald, MD⁷

1Duke University, Duke Global Health Institute, Durham, NC, USA, 2Duke University Medical Center, Duke University Global Health Institute, Durham, NC, USA, 3Duke University Global Health Institute, Durham, NC, USA, 4Department of Surgery, Section of Pediatric Surgery, University of Michigan, Ann Arbor, MI, USA, 5Duke University, Global Health Institute, Durham, NC, USA, 6Mbarara University of Science & Technology, Mbarara, Mbarara, Uganda, 7Duke University Medical Center, Durham, NC, USA

Global Mini Session: A Toolkit for Negotiating Global Surgery into your Job

4:20 p.m. – 4:30 p.m.

Allison F. Linden, MD MPH, Emory University School of Medicine/Children's Healthcare of Atlanta, Atlanta, GA, USA

S41**CYP7A1 IS A PROMISING THERAPEUTIC TARGET FOR SUSTAINED LIVER INJURY OF BILIARY ATRESIA; A NOVEL PIGLET MODEL RECAPITULATING BILIARY ATRESIA AND HEPATOPORTOENTEROSTOMY**

Takahiro Ohkura, MD, PhD¹, Kento Kurashima², Arun Verma³, Simin Park, MD⁴, Marzena Swiderska-syn², Sree Kolli², David Gosser², Shaurya Mehta, BS², Austin Sims, BS², Shun Onishi², Mustafa Nazal⁵, John Long⁶, Chandrashekhara Manithody², Jeffery Teckman², Shin Miyata⁷, Ajay Kumar Jain²

1Pediatric Surgery, Cardinal Glennon Children's Hospital, Clayton, MO, USA, 2Pediatrics, Saint Louis University, Saint Louis, MO, USA, 3Surgery, Saint Louis University, Saint Louis, MO, USA, 4Pediatric Surgery, Cardinal Glennon Children's Hospital, Gulf Breeze, FL, USA, 5Surgery, Saint Louis University, Saint Louis, MO, USA, 6Comparative medicine, Saint Louis University, Saint Louis, MO, USA, 7Pediatric Surgery, Cardinal Glennon Children's Hospital, Saint Louis, MO, USA

Scientific Session 5: Basic Science

Reto M. Baertschiger, MD, PhD¹, Jason O. Robertson, MD, MS²

1Dartmouth Hitchcock Medical Center, Lebanon, NH, USA, 2Cleveland Clinic Children's, Cleveland, OH, USA

LEARNING OBJECTIVES: By the end of the presentation, attendees will be able to:

- Identify the impact of CYP7A1 as a novel therapeutic target for biliary atresia.
- Better understand the molecular mechanisms that contribute to necrotizing enterocolitis and Hirschsprung disease

S42**DISSECTING THE HEPATIC IMMUNE ENVIRONMENT AFTER MASSIVE, SMALL BOWEL RESECTION**

Daniel M. Alligood, MD¹, Ayoung Kim², Mandy M. Chan, PhD³, David M. Alvarado, PhD⁴, Colin Martin, MD¹, Gwendalyn Randolph, PhD⁵

1Washington University in St Louis, St Louis, MO, USA, 2Washington University School of Medicine, St. Louis, Saint Louis, MO, USA, 3Washington University in St. Louis, Chicago, IL, USA, 4Washington University in St. Louis, St. Louis, MO, USA, 5Department of Immunology, Washington University in St. Louis, St. Louis, MO, USA

S43**TRAP2-BASED MAPPING OF ENTERIC NEURONAL ACTIVATION IN A CONSTIPATION MODEL**

Prisca C. Obidike, MD, BS, Lillian J. Wu, Alexander Bills, Olivia Jung, Yuwen W. Zhang, MD, PhD, Lily S. Cheng, MD
University of Virginia, Charlottesville, VA, USA

S44**PERSISTENT INTESTINAL STEM CELL ALTERATIONS IN GANGLIONIC SEGMENTS OF HIRSCHSPRUNG DISEASE**

Rosa S. Kim, MD¹, Daniel Zeve, MD, PhD², Elisa Saint-Denis², Bianca Frintu², Haley Etskovitz², Leah Froehle², Lorena Rincon-Cruz², Belinda H. Dickie, MD, PhD², Sahin Naqvi², Prathima Nandivada, MD²

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

S45**FSP1 REGULATION OF FERROPTOSIS IN NECROTIZING ENTEROCOLITIS**

Christopher J. Luschen, MD, Heather Grubbs, MD, Luciana Previato de Almeida, PhD, Bhawana Luitel, MS, Catherine Hunter, MD, FACS, FAAP

University of Oklahoma, Oklahoma City, OK, USA

S46**INDUCED EPIGENETIC MODIFICATIONS AS A MECHANISM FOR PERSISTENT HYPERINFLAMMATION IN NECROTIZING ENTEROCOLITIS**

Heather Grubbs, MD, Christopher J. Luschen, MD, Bhawana Luitel, MS, Luciana Previato de Almeida, PhD, Catherine Hunter, MD, FACS, FAAP

University of Oklahoma, Oklahoma City, OK, USA

S47**REMOTE ISCHEMIC CONDITIONING PRESERVES PERICYTES AND RESTORES INTESTINAL VASCULAR INTEGRITY IN NECROTIZING ENTEROCOLITIS**

Chen-Yi Wang, PhD¹, Dorothy Lee, PhD², Jieli Yang², Bo Li, PhD², Carol Lee, MSc², Niloofar Ganji², Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP²

1The Hospital for Sick Children Shengjing Hospital of China Medical University, Toronto, ON, Canada, 2The Hospital for Sick Children, Toronto, ON, Canada

S48

NOVEL VISUALIZATION OF METASTATIC OSTEOSARCOMA USING THE FLUORESCENT-LABELED TRACER DINUTUXIMAB-IRDYE800 IN A MOUSE MODEL

Catherine Y. Yip, MD¹, Lauren T. Rosenblum, MD, PhD¹, Bhuvitha Chagantipathi, BS², Arjun Pant, MD², Gary Kohanbash, PhD², Marcus M. Malek, MD³

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

S49

INTERFERON REGULATORY FACTOR 5 (IRF5) GOVERNS OSTEOSARCOMA METASTASIS AND MACROPHAGE REPROGRAMMING: A NOVEL LNP-MEDIATED THERAPEUTIC STRATEGY

Brooke L. Rothberg, MD¹, Bailey K. Roberts, MD, PhD², Samuel Z. Soffer, MD³, Betsy J. Barnes, PhD⁴

1Feinstein Institute for Molecular Medicine; Cohen's Children's Medical Center, Pediatric Surgery; Elmezzi Graduate School of Molecular Medicine; Donald & Barbara Zucker School of Medicine at Hofstra/Northwell, Department Of Pediatrics, Manhasset, NY, USA, 2Cohen Children's Medical Center, Northwell Health, Manhasset, NY, USA, 3Cohen Children's Medical Center at Hofstra/Northwell, New Hyde Park, NY, USA, 4Feinstein Institute for Molecular Medicine; Donald & Barbara Zucker School of Medicine at Hofstra/Northwell, Department Of Pediatrics, Manhasset, NY, USA

S50

OPTIMIZING TIMING OF RESECTION FOR ASYMPTOMATIC CONGENITAL PULMONARY AIRWAY MALFORMATION (CPAM) PATIENTS: A PHIS DATABASE ANALYSIS (PHASE 2)

Zoe E. Flyer, DO¹, Zhuo Chen, PhD², Annie Giron, MD, MS³, April A. Carlson, MD⁴, Alyssa Joachim, MD⁵, Latoya Stewart, MD, MSc⁶, Nicole J. Bertaux, DO⁶, Shaun M. Kunisaki, MD, MSc⁷, Peter T. Yu, MD, MPH²

1Rady Children's Health Orange County, Orange, CA, USA, 2Children's Hospital of Orange County, Orange, CA, USA, 3Children's Hospital of Orange County, Irvine, CA, USA, 4Rady Children's Hospital of Orange County, Santa Ana, CA, USA, 5Children's Hospital of Orange County, La Jolla, CA, USA, 6Johns Hopkins Hospital, Baltimore, MD, USA, 7Johns Hopkins, Baltimore, MD, USA

Scientific Session 6: CDH/ECMO

Moderators

Laura Galganski, MD MAS, *Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA*

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

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Evaluate the use of ECMO in pediatric hematologic malignancies.
- Understand long term outcomes for patients with CDH.

S51

UNDERSTANDING DIFFERENCES IN PEDIATRIC CARDIOPULMONARY RESUSCITATION INDICATIONS AND OUTCOMES: A SINGLE-CENTER EXPERIENCE

Sage A. Vincent, MD¹, Nell T. Weber², Alex Kaizer, PhD³, John Kim³, Shannon Acker, MD, MSc⁴, Tellen D. Bennett, MD, MS⁵, Lisa Ross DeCamp, MD, MSPH³, Jose Diaz-Miron, MD⁴

1Children's Hospital Colorado, Golden, CO, USA, 2Department of Surgery, University of Colorado Denver School of Medicine and Division of Pediatric Surgery, Children's Hospital Colorado, Denver, CO, USA, 3Children's Hospital Colorado, Aurora, CO, USA, 4Children's Hospital of Colorado, Aurora, CO, USA, 5University of Colorado School of Medicine, Aurora, CO, USA

S52

CONGENITAL DIAPHRAGMATIC HERNIA GUIDELINES COMPLIANCE AND OUTCOMES IN CANADA

Erik D. Skarsgard, MD¹, Pramod S. Puligandla, MD, MSc², Rob Baird, MD CM MSc³, Marc Beltempo, MD MSc⁴, Seungwoo Lee, MSc⁵, Gabriel Altit, MD⁶, Alexandra Dimmer, MD, MSc⁷, Elena Guadagno, MLIS⁸

1British Columbia Children's Hospital, Vancouver, BC, Canada, 2Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada, 3Division of Pediatric Surgery, British Columbia Children's Hospital, University of British Columbia, Vancouver, BC, Canada, 4Montreal Children's Hospital of the McGill University Health Centre, Montreal, PQ, Canada, 5Mount Sinai Hospital, Toronto, ON, Canada, 6The Montreal Children's Hospital - McGill University Health Centre, Montreal, PQ, Canada, 7The Montreal Children's Hospital - McGill University Health Centre, Syracuse, NY, USA, 8Harvey E. Beardmore Division of Pediatric Surgery;The Montreal Children's Hospital;McGill University Health Centre, Montreal, PQ, Canada

S53**CEREBRAL HYPOXIA, MICROGLIAL ACTIVATION AND ALTERED BRAIN DEVELOPMENT IN LAMB FETUSES WITH LEFT CONGENITAL DIAPHRAGMATIC HERNIA**

Nicolas Vinit, MD, MSc¹, Gabriela Daszewska-Smith, BSc, MS², Rachel A. Sachs, MD³, Mia Kwechin⁴, Shelley Jain⁴, Jessica C. Pollack, MD, MS⁵, Rachel Conan, BS⁶, Melanie Bates, MSE⁷, Abby C. Larson, MD⁸, Emily Partridge, MD, PhD⁹

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, BOULOGNE-BILLANCOURT, Ile-de-France, France, 2Division of Neurosciences, Jefferson University, Philadelphia, PA, USA, 3Children's Hospital of Philadelphia, Somerset, NJ, USA, 4Children's Hospital of Philadelphia, Philadelphia, PA, USA, 5University of Tennessee Health Science Center, Memphis, TN, USA, 6Children's Hospital of Philadelphia, West Chester, PA, USA, 7Children's Hospital of Philadelphia, Morrisville, PA, USA, 8Children's Hospital Colorado, Denver, CO, USA, 9Children's Hospital of Philadelphia, Philadelphia, PA, USA

S54**LIVES LIVED AND LOST: THE BURDEN OF DISEASE IN ADULT SURVIVORS OF CONGENITAL DIAPHRAGMATIC HERNIA**

Annie Giron, MD, MS¹, Alyssa Joachim, MD², April A. Carlson, MD³, Zoe E. Flyer, DO⁴, Yigit S. Guner, MD, MSc⁵, Peter T. Yu, MD, MPH⁶

1Children's Hospital of Orange County, Irvine, CA, USA, 2Children's Hospital of Orange County, La Jolla, CA, USA, 3Rady Children's Hospital of Orange County, Santa Ana, CA, USA, 4Rady Children's Health Orange County, Orange, CA, USA, 5Children Hospital of Orange County, Orange, CA, USA, 6Children's Hospital of Orange County, Orange, CA, USA

S55**DECREASING THE POST SURGICAL OOZE: UTILIZING A PERIOPERATIVE GUIDELINE TO DECREASE TRANSFUSION NEEDS FOLLOWING CONGENITAL DIAPHRAGMATIC HERNIA REPAIR ON ECMO**

Kathleen Heller, MD, MS¹, Meriam J. Avades, MD², Navin Bhopal, MD², Mohammed Elkhwad, MD², Patrick McGovern, MD², Sharad Menon, MD², Mark S. Molitor, MD¹

1Phoenix Children's Hospital, Phoenix, AZ, USA, 2Phoenix Children's, Phoenix, AZ, USA

S56**THE EFFECT OF CRITICAL CONGENITAL HEART DEFECTS ON MORTALITY AND ECMO UTILIZATION IN CONGENITAL DIAPHRAGMATIC HERNIA: AN ANALYSIS OF A CONTEMPORARY COHORT OF CHILDREN'S HOSPITALS**

Alexis Jones, MD, MPH¹, Linh Buu², Zane J. Hellmann, MD¹, Daniel G. Solomon, MD³, Robert A. Cowles, MD¹

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

S57**EXTRACORPOREAL MEMBRANE OXYGENATION IN PEDIATRIC HEMATOLOGIC MALIGNANCIES**

Heather Grubbs, MD¹, Kaitlin Pardue, MD¹, Christopher J. Luschen, MD¹, Kenneth Stewart, MPH, PhD², Paul McGaha, MD¹, Catherine Hunter, MD, FACS, FAAP¹

1University of Oklahoma, Oklahoma City, OK, USA, 2University of Oklahoma Health, Oklahoma City, OK, USA

S58**RISK OF AND TIME TO FAILURE AMONG CHILDREN WHO INITIATE NON-OPERATIVE MANAGEMENT OF UNCOMPLICATED APPENDICITIS**

Megan A. Read Ivaturi, MD¹, Erica C. Arnold, MD², Elizabeth A. Barmash, MD¹, Kyle Horvath³, Ruiqi Cen, PhD, MPH¹, Cory N. Criss, MD¹, Peter C. Minneci, MD, MHSc⁴, Kyle J. Van Arendonk, MD PhD¹

1Nationwide Children's Hospital, Columbus, OH, USA, 2Nationwide Children's Hospital, Columbus, OH, USA, 3Nationwide Children's Hospital, 4Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

Global Mini Session: CDH in 2026: Bival, Timing, and Trials

6:10 p.m. – 6:20 p.m.

Laura Galganski, MD MAS, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

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

Matthew T. Harting, MD MS, University of Texas McGovern Medical School at UTHealth, Houston, TX, USA

Scientific Session 7: Obesity/General

Moderators

Pavan Brahmamdam, MD, MS, *Corewell Health/Oakland University William Beaumont School of Medicine, Royal Oak, MI, USA*
Ashley Walther, MD, *Cincinnati Children's Hospital, Cincinnati, OH, USA*

LEARNING OBJECTIVES: By the end of the presentation, attendees will be able to:

- Assess the impact of obesity on common operations in pediatric surgery.
- Identify health outcomes for pediatric patients who undergo metabolic and bariatric surgical procedures.

S59

NUTRITIONAL DEFICITS AND PRESSURE INJURY RISK IN PEDIATRIC AND ADOLESCENT SPINAL CORD INJURY: A DUAL-CENTER STUDY

Kevin J. Lang, MD¹, Elizabeth Seewer¹, Julia Firnhaber¹, Lela Herring¹, James Hutcheson¹, Lindsey Locke¹, Saskya Byerly¹, Dina Filiberto¹, Regan F. Williams, MD, MS², Rachel Landisch, MD³

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

S60

TO WRAP OR NOT TO WRAP: DOES CONCOMITANT FUNDOPLICATION AT THE TIME OF GASTROSTOMY TUBE PLACEMENT REMAIN A QUESTION?

Simone C. Hyman, MD¹, Sophia Schermerhorn, MPH MD², Romeo C. Ignacio, MD MS MPath³, Jeanne Carroll, MD⁴, Gerald Gollin, MD⁵, Karen M. Kling, MD⁶, Hariharan Thangarajah, MD⁷, David A. Lazar, MD⁸

1UCSD General Surgery, San Diego, CA, USA, 2Naval Medical Center San Diego, San Diego, CA, USA, 3Rady Children's Hospital San Diego, San Diego, CA, USA, 4Rady Children's Hospital, San Diego, CA, USA, 5University of California San Diego, San Diego, CA, USA, 6Department of Surgery, UCSD School of Medicine, San Diego, CA, USA, 7Rady Children's Hospital - San Diego, San Diego, CA, USA, 8Division of Pediatric Surgery, Department of Surgery, University of California San Diego, San Diego, CA, USA

S61

WHAT DO WE FEEL AND WHAT DO WE KNOW ABOUT CHILDHOOD OBESITY? A SURVEY OF PROVIDERS AND STAFF AT A QUATERNARY CHILDREN'S HOSPITAL

Catlin N. Orschel, MD¹, Zahra Auqil, MD², Saad Mallick, MD³, Pranav K. Viswanathan, BS⁴, Andrew P. Bain, MD⁵, Russell B. Hawkins, MD⁶, Faisal Qureshi, MD⁵

1UT Southwestern, Department of Pediatric Surgery, Dallas, TX, USA, 2St. Jude Cancer Research Hospital, Memphis, TN, USA, 3UT Southwestern Medical Center, Department of Surgical Oncology, Dallas, TX, USA, 4UT Southwestern Medical Center, Georgetown, TX, USA, 5UT Southwestern Medical Center, Dallas, TX, USA, 6UT Southwestern Medical Center, Department of Pediatric Surgery, Dallas, TX, USA

S62

SECULAR TRENDS IN METABOLIC AND BARIATRIC SURGERY AMONG ADOLESCENTS, 2015-2024

John B. Rode, MD, MS¹, Thomas H. Inge, MD¹, Allan Wu, MD², Caren Mangarelli, MD³, Justin Ryder¹

1Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 2Stanley Manne Children's Research Institute, Chicago, IL, USA, 3Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

S63

ADOLESCENTS UNDERGOING BARIATRIC SURGERY IN THE U.S.: CONTEMPORARY PATIENT PROFILES AND EARLY METABOLIC OUTCOMES FROM A MULTICENTER COLLABORATION (COSMIC)

Josélio Rodrigues de Oliveira Filho, MD¹, Jeffrey L. Zitsman, MD², Jennifer R. DeFazio, MD³, Kanika Bowen-Jallow, MD, MMS, FACS, FAAP⁴, Matthew A. Hornick, MD⁵, Janey S.A. Pratt, MD⁶, Gillian L. Fell, MD, PhD⁷, James M. Healy, MD, MHS⁸, Christine Finck, MD⁹, Jun Tashiro, MD MPH¹⁰, Nikita Kaur¹¹, Sarah K. Jensen¹², Elena M. Wilson, BS, BA¹³, Nina D. Kosciuszke, DO, MS⁹, Oluwadamilola Egbewole, DDS, MPH⁹, Chelsie Vier, MSN RN¹⁴, Ghadeer Shnawa, MBChB¹, Cornelia Griggs, MD, MPH¹⁵

1Massachusetts General Hospital, Boston, MA, USA, 2Columbia University Irving Medical Center, 3Columbia University, New York City, NY, USA, 4Cook Children's Medical Center - Prosper, Prosper, TX, USA, 5Yale New Haven Children's Hospital, New Haven, CT, USA, 6Stanford University School of Medicine, Palo Alto, CA, USA, 7Stanford University School of Medicine, Lucile Packard Children's Hospital, Palo Alto, CA, USA, 8Connecticut Children's, Hartford, CT, USA, 9Connecticut Children's Medical Center, Hartford, CT, USA, 10NYU Langone Health, New York, NY, USA, 11Columbia University Irving Medical Center, New York, NY, USA, 12Lucile Packard Children's Hospital Stanford, Medford, MA, USA, 13Yale School of Medicine, New Haven, CT, USA, 14Cook Children's Medical Center, Gunter, TX, USA, 15Harvard Medical School, Mass General Brigham, Boston, MA, USA

S64**PREOPERATIVE CHARACTERISTICS AND SURGICAL SAFETY PROFILES OF GASTRECTOMY VERSUS ROUX-EN-Y GASTRIC BYPASS IN ADOLESCENTS AND YOUNG ADULTS: AN MBSAQIP ANALYSIS**

Josélio Rodrigues de Oliveira Filho, MD¹, Ghadeer Shnawa, MBChB1, Carolyn Reuland, MD1, Kanika Bowen-Jallow, MD, MMS, FACS, FAAP2, James M. Healy, MD, MHS3, Jun Tashiro, MD MPH4, Jeffrey L. Zitsman, MD5, Jennifer R. DeFazio, MD6, Gillian L. Fell,

1Massachusetts General Hospital, Boston, MA, USA, 2Cook Children's Medical Center - Prosper, Prosper, TX, USA, 3Connecticut Children's, Hartford, CT, USA, 4NYU Langone Health, New York, NY, USA, 5Columbia University Irving Medical Center, 6Columbia University, New York City, NY, USA, 7Stanford University School of Medicine, Lucile Packard Children's Hospital, Palo Alto, CA, USA, 8Stanford University School of Medicine, Palo Alto, CA, USA, 9Yale New Haven Children's Hospital, New Haven, CT, USA, 10Harvard Medical School, MassGeneral Brigham, Boston, MA, USA

S65**10-YEAR KIDNEY OUTCOMES FOLLOWING METABOLIC AND BARIATRIC SURGERY IN ADOLESCENTS WITH SEVERE OBESITY**

John B. Rode, MD¹, Suna Paek, PhD2, Subin Jang, PhD, MPH3, Petter Bjornstad, MD4, Alexander Kula, MD, MHS2, Todd M. Jenkins, PhD, MPH5, Stephanie Sisley, MD6, Anita Courcoulas, MD, MPH7, Michael A. Helmrath, MD, MS8, Marc Michalsky, MD, MBA9, Justin Ryder1, Thomas H. Inge, MD1

1Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 2Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 3University of Minnesota School of Public Health, Minneapolis, MN, USA, 4University of Washington School of Medicine, Seattle, WA, USA, 5Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 6Baylor College of Medicine, Houston, TX, USA, 7University of Pittsburgh, Department of Surgery, Pittsburgh, PA, USA, 8Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 9Nationwide Children's Hospital and The Ohio State University, College of Medicine, Columbus, OH, USA

S66**EVALUATING THE IMPACT OF GLP-1 AGONISTS ON BARIATRIC SURGERY OUTCOMES IN AN ADOLESCENT COHORT: A DESCRIPTIVE STUDY**

Nina D. Kosciuszek, DO, MS¹, Oluwadamilola Egbewole, DDS, MPH1, Megan Anderson2, Prabhath Mannam, BS3, Jessica Williams, MD4, James M. Healy, MD, MHS4, Christine Finck, MD1

1Connecticut Children's Medical Center, Hartford, CT, USA, 2University of Connecticut, Farmington, CT, USA, 3University of Connecticut, School of Medicine, Farmington, CT, USA, 4Connecticut Children's, Hartford, CT, USA

S67**GLP-1 RECEPTOR AGONISTS AND BILIARY EVENTS IN ADOLESCENTS AND YOUNG ADULTS**

Josélio Rodrigues de Oliveira Filho, MD¹, Lena Papadakis1, Ghadeer Shnawa, MBChB1, Cornelia Griggs, MD, MPH2

1Massachusetts General Hospital, Boston, MA, USA, 2Harvard Medical School, MassGeneral Brigham, Boston, MA, USA

S68**IMPACT OF PEDIATRIC OBESITY ON OPERATIVE DURATION AND POSTOPERATIVE COMPLICATIONS IN COMMON LAPAROSCOPIC SURGERY**

Ghadeer Shnawa, MBChB¹, Josélio Rodrigues de Oliveira Filho, MD1, Cornelia Griggs, MD, MPH2

1Massachusetts General Hospital, Boston, MA, USA, 2Harvard Medical School, Mass General Brigham, Boston, MA, USA

S69**PEDIATRIC INJURY SURVIVORSHIP AND THE PEDIATRIC TRAUMA QUALITY OF LIFE CLINIC: A YEAR IN REVIEW**

Samantha P. Kretschmann, MD, MEd¹, Gani Ali, BS2, Hannah M. Olson, BS2, Brooke M. Cheaton, MBA3, Terri A. deRoos Cassini, PhD2, Frances M. Kaczor, MSW3, Kelly Keyzer, PT, DPT3, Danielle Leranthe, PA1, Patricia Marik, PsyD3, Madeline Wittmann, PT, DPT3, Colleen Trevino, RN, NP, PhD2, Katherine T. Flynn-O'Brien, MD2

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

Scientific Session 8: Trauma

Moderators

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

Chinwendu Onwubiko, MD, PhD, *Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Recognize the impact of imaging guidelines on rates of negative CT scans in pediatric trauma.
- Describe the impact pediatric injury survivorship on quality of life.

S70

TIME TO TRAUMA CENTER FOR HEMODYNAMICALLY UNSTABLE PEDIATRIC TRAUMA PATIENTS: WHERE DO WE NEED TO BE "PEDIATRIC READY"

Chandler A. Annesi, MD¹, Pawan Acharya, MD, PhD¹, Jeffrey Kerby, MD, PhD¹, John Holcomb, MD¹, Robert T. Russell, MD, MPH², Zain Hashmi, MD¹

¹University of Alabama at Birmingham, Birmingham, AL, USA, ²Children's of Alabama, Birmingham, AL, USA

S71

A MULTICENTER REVIEW OF IMAGING GUIDELINES AND NEGATIVE CT RATES IN PEDIATRIC BLUNT TRAUMA*

Allison B. Frederick, MD¹, Nathan Heinzerling², Adam Brinkman, MD³, Robert T. Russell, MD, MPH⁴, Randall Burd, MD, PhD⁵, Meera Kotagal, MD, MPH⁶, Jessica Naiditch⁷, Isam W. Nasr, MD⁸, Regan F. Williams, MD, MS⁹, David S. Foley, MD¹⁰, Aaron R. Jensen, MD MEd MS FAAP FACS¹¹, John M. Draus, MD¹², Patrick Bonasso, MD¹³, David M. Notrica, MD¹⁴, Christian Streck, MD¹⁵

¹Medical University of South Carolina, Johns Island, SC, USA, ²Akron Children's Hospital, Akron, OH, USA, ³American Family Children's Hospital, Madison, WI, USA, ⁴Children's of Alabama, Birmingham, AL, USA, ⁵Children's National Hospital, Washington, DC, USA, ⁶Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, ⁷University of Texas - Austin Dell Medical School, Austin, TX, USA, ⁸Division of Pediatric Surgery, Johns Hopkins School of Medicine, Baltimore, MD, USA, ⁹University of Tennessee Medical Center, Memphis, TN, USA, ¹⁰Norton Children's Hospital, Louisville, KY, USA, ¹¹UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA, ¹²Wolfson Children's Hospital, Jacksonville, FL, USA, ¹³WVU Medicine Golisano Children's Hospital, USA, ¹⁴Phoenix Children's Hospital, Phoenix, AZ, USA, ¹⁵Medical University of South Carolina, Charleston, SC, USA

S72

BEYOND THE ADDENDUM: CLINICAL IMPACT OF RADIOLOGY REPORT DISCREPANCIES IN PEDIATRIC TRAUMA CARE

Ryan T. Davis, MD¹, Katelyn A. Toloff, MS², Laura L. Geneseo, MS², Samantha B. Carranza, BS², Ryan D. Rosen, DO³, Kelli N. Patterson, DO³, Rachael M. Galvin, DO³, Erika Ridelman, PhD³, Lydia J. Donoghue, MD³, Christina M. Shanti, MD⁴

¹Wayne State University School of Medicine, Children's Hospital of Michigan, Royal Oak, MI, USA, ²Wayne State University School of Medicine, Detroit, MI, USA, ³Wayne State University School of Medicine, Children's Hospital of Michigan, Detroit, MI, USA, ⁴Wayne State University/ Children's Hospital of Michigan, Detroit, MI, USA

S73

UTILIZATION OF DIGITAL IMAGING AND ARTIFICIAL INTELLIGENCE TO QUICKLY AND ACCURATELY CALCULATE TOTAL BODY SURFACE AREA OF BURNS IN PEDIATRIC PATIENTS

Meagan Rosenberg, MD¹, Mark Roberson, PhD, PMP², Isabelle Coughlin², Jennifer Murphy, BS³, Victoria Pepper, MD⁴, Gregory T. Banever, MD, FACS, FAAP⁴, David B. Tashjian, MD, FACS, FAAP⁴, Kevin P. Moriarty, MD, FACS, FAAP⁴, Michael V. Tirabassi, MD, FACS, FAAP⁴

¹Department of General Surgery, UMass Chan-Baystate Medical Center, Springfield, MA, USA, ²Goldfinch Sensor Technologies and Analytics, Cary, NC, USA, ³UMass Chan Medical School - Baystate, Springfield, MA, USA, ⁴Division of Pediatric Surgery, UMass Chan Medical School - Baystate, Springfield, MA, USA

S74

INVASIVE INTRACRANIAL PRESSURE MONITORING IN SEVERE PEDIATRIC TRAUMATIC BRAIN INJURY: DOES INSTITUTIONAL RATE OF USE IMPACT OUTCOMES?

Simone C. Hyman, MD¹, Sophia Schermerhorn, MPH MD², Richard Y. Calvo, PhD MPH³, Andrea Krzyzaniak, MA⁴, David A. Lazar, MD⁵, Vishal Bansal, MD³, Romeo C. Ignacio, MD MS MPath⁶

¹UCSD General Surgery, 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, ⁵Division of Pediatric Surgery, Department of Surgery, University of California San Diego, San Diego, CA, USA, ⁶Rady Children's Hospital San Diego, San Diego, CA, USA

S75

AN OPPORTUNITY FOR CONTINUED IMPROVEMENT: EVALUATING THE USE OF ANGIOGRAPHY FOR PEDIATRIC BLUNT LIVER/SPLEEN INJURIES POST-2019 APSA GUIDELINES

Nada Fadl, DO¹, Rosa Hwang, BS2, Camryn J. Krumbhaar, BS1, April Giannotti, BS1, Myron Allukian, MD3, Michael L. Nance, MD1, Gary Nace, MD2

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

S76

MANAGEMENT OF PEDIATRIC RECTAL TRAUMA: A FOUR-YEAR ACS-TQIP DATABASE REVIEW

Omar Obaid, MD¹, Tania Torres-Ruiz, MD2, Cory N. Criss, MD3, Brian D. Kenney, MD MPH4, Matthew W. Ralls, MD5, Marcus Jarboe, MD, FACS6, James Geiger, MD, FACS6, Robert Cotterman, DO, FACS7

1Department of Surgery/Nationwide Children's Hospital, Columbus, OH, USA, 2Houston Methodist Hospital, Houston, TX, USA, 3Nationwide Children's Hospital, Columbus, OH, USA, 4Nationwide Children's Hospital/ The Ohio State University, Columbus, OH, USA, 5Nationwide Children's, Dexter Michigan, MI, USA, 6Nationwide Children's Hospital Toledo, Toledo, OH, USA, 7Promedica Toledo Hospital, Toledo, OH, USA

S77

IMPLEMENTATION OF A STANDARDIZED SEXUAL HEALTH SCREENING PROTOCOL FOR ADMITTED PEDIATRIC TRAUMA PATIENTS

Katherine C. Bergus, MD, MPH¹, Abigail Frooman, APN2, Dana Noffsinger, APN2, Kelli Burkey, BSN, RN2, Jaclyn Huffman, BSN, RN2, Lee Ann Wurster, MSN, CPNP-PC2, Rajan K. Thakkar, MD2, Tishia L. Gunton, MSW, LISW-S2, Chelsea A. Kebodeaux, MD3, Dana Michelle Schwartz, MD4

1Nationwide Children's Hospital, Columbus, OH, USA, 2Nationwide Children's Hospital, Columbus, OH, USA, 3Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, 4Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA

S78

NON-ACCIDENTAL TRAUMA AFTER NEONATAL INTENSIVE CARE UNIT ADMISSION

Megan A. Read Ivaturi, MD¹, Jessica Wright, MD2, Josh Bricker, PhD1, Joshua Gadelsayed1, Swapna Koppera, n/a1, Madison Lapid1, Karen A. Diefenbach,

1Nationwide Children's Hospital, Columbus, OH, USA, 2Center for Regenerative Medicine/ Department of Pediatric Surgery/ Nationwide Children's Hospital, Columbus, OH, USA, 3Nationwide Children's Hospital, Dublin, OH, USA, 4Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, 5Nemours Children's Hospital, Wilmington, DE, USA

Plenary 2

Moderators

Cristine S. Velazco, MD, MS, FACS, *Arnold Palmer Hospital for Children, Orlando, FL, USA*
 Rony Marwan, MD, FACS, FAAP, *University of Missouri, Columbia, MO, USA*
 Stephanie F. Brierley, MD, *Phoenix Children's Hospital, Phoenix, AZ, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Assess the optimal timing for surgical intervention of congenital lung malformations.
- Identify the role of antibiotics after discharge for pediatric patients with complicated appendicitis.

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OPERATIVE TIMING OF ELECTIVE RESECTION IN CONGENITAL LUNG MALFORMATIONS AMONG MAJOR CHILDREN'S HOSPITALS IN THE UNITED STATES

Kyra Halbert-Elliott, BS¹, Nicole J. Bertaux, DO², Latoya Stewart, MD, MSc², Terry L. Buchmiller, MD³, Benjamin D. Carr, MD⁴, Darrell L. Cass, MD⁵, Joseph T. Church, MD⁶, Ashley Chimner⁷, Caitlin Crosier, MD⁸, S. Christopher Derderian, MD⁹, Vincent P. Duron, MD¹⁰, Stephen J. Fenton, MD¹¹, Anthony Ferrantella, MD¹², Cecilia Gigena Heitsman, MD⁵, Brian W. Gray, MD¹³, Rakesh R. Gurralla, MD MBA¹⁴, Mariah Heller, BBA¹⁵, Aimee G. Kim, MD¹⁶, Kezlyn E. Larsen, BS¹⁷, Inna N. Lobeck, MD, FACS, FAAP¹⁸, Caroline Maloney, MD PhD¹⁹, Paul Park, MD¹⁰, David A. Partrick, MD²⁰, Deion R. Pena, MS²¹, Tayana A. Jean Pierre, MD³, Marissa Ray, MD, MS²², Jason O. Robertson, MD, MS²³, Branae Rollins, MD²⁴, Beth A. Rymeski, DO²⁵, Jessica K. Sims, BS²⁶, Linda M. Cherney-Stafford, MPH²⁷, Christopher W. Snyder, MD, MSPH²⁸, Raphael C. Sun, MD²⁹, Lauren R. Templeton, MD¹², Sarah A. Tracy, MD³⁰, Cortnie R. Vaughn, MD³¹, Peter T. Yu, MD, MPH³², Irving J. Zamora, MD, MPH, FACS²⁶, Shaun M. Kunisaki, MD, MSc³³

*1*Johns Hopkins University School of Medicine, Baltimore, MD, USA, *2*Johns Hopkins Hospital, Baltimore, MD, USA, *3*Boston Children's Hospital, Boston, MA, USA, *4*Oregon Health & Science University, Portland, OR, USA, *5*Cleveland Clinic, Cleveland, OH, USA, *6*University of Michigan, Ann Arbor, MI, USA, *7*C. S. Mott Children's Hospital, Ann Arbor, MI, USA, *8*Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA, *9*Children's Hospital of Colorado, Denver, CO, USA, *10*New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, *11*University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, *12*Children's Healthcare of Atlanta, Atlanta, GA, USA, *13*Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, *14*Children's Mercy – Kansas City, Kansas City, MO, USA, *15*Children's Wisconsin, Milwaukee, WI, USA, *16*Children's Hospital Los Angeles and Keck School of Medicine of USC, Department of Surgery, Division of Pediatric Surgery, Los Angeles, CA, USA, *17*Intermountain Health, Primary Children's Hospital, Salt Lake City, UT, USA, *18*Kansas City, MO, USA, *19*Children's Wisconsin, Milwaukee, WI, USA, *20*Children's Hospital Colorado, Aurora, CO, USA, *21*Children's Hospital Colorado, Houston, TX, USA, *22*Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, *23*Cleveland Clinic Children's, Cleveland, OH, USA, *24*Children's Hospital of Los Angeles, Los Angeles, CA, USA, *25*Cincinnati Children's Hospital, Cincinnati, OH, USA, *26*Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA, *27*University of Wisconsin School of Medicine & Public Health, Division of Pediatric Surgery, Madison, WI, USA, *28*Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, *29*Oregon Health and Science University, Portland, OR, USA, *30*UW Health Kids, Madison, WI, USA, *31*Oregon Health and Science University, West Sacramento, CA, USA, *32*Children's Hospital of Orange County, Orange, CA, USA, *33*Johns Hopkins, Baltimore, MD, USA

12

PREDICTIVE MODELING OF NEONATAL OUTCOMES IN NON-HYDROPIC FETUSES WITH LUNG MALFORMATIONS: RESULTS FROM A NATIONAL COHORT OF MAJOR CHILDREN'S HOSPITALS

Latoya Stewart, MD, MSc¹, John Schomberg, PhD, MPH², April A. Carlson, MD³, Nicole J. Bertaux, DO¹, Kyra Halbert-Elliott, BS⁴, Terry L. Buchmiller, MD⁵, Benjamin D. Carr, MD⁶, Darrell L. Cass, MD⁷, Linda M. Cherney-Stafford, MPH⁸, Ashley Chimner⁹, Joseph T. Church, MD¹⁰, S. Christopher Derderian, MD¹¹, Vincent P. Duron, MD¹², Stephen J. Fenton, MD¹³, Anthony Ferrantella, MD¹⁴, Cecilia Gigena Heitsman, MD⁷, Rakesh R. Gurralla, MD MBA¹⁵, Mariah Heller, BBA¹⁶, Brian W. Gray, MD¹⁷, Tayana A. Jean Pierre, MD⁵, Aimee G. Kim, MD¹⁸, Jasmine D. Lee, MD¹⁹, Inna N. Lobeck, MD, FACS, FAAP²⁰, Caroline Maloney, MD PhD²¹, Martha Monson, MD²², Paul Park, MD¹², David A. Partrick, MD²³, Marissa Ray, MD, MS²⁴, Jason O. Robertson, MD, MS²⁵, Branae Rollins, MD²⁶, Beth A. Rymeski, DO²⁷, Jessica K. Sims, BS²⁸, Christopher W. Snyder, MD, MSPH²⁹, Raphael C. Sun, MD³⁰, Kezlyn E. Larsen, BS³¹, Lauren R. Templeton, MD¹⁴, Sarah A. Tracy, MD³², Cortnie R. Vaughn, MD³³, Peter T. Yu, MD, MPH², Irving J. Zamora, MD, MPH, FACS²⁸, Shaun M. Kunisaki, MD, MSc³⁴

*1*Johns Hopkins Hospital, Baltimore, MD, USA, *2*Children's Hospital of Orange County, Orange, CA, USA, *3*Rady Children's Hospital of Orange County, Santa Ana, CA, USA, *4*Johns Hopkins University School of Medicine, Baltimore, MD, USA, *5*Boston Children's Hospital, Boston, MA, USA, *6*Oregon Health & Science University, Portland, OR, USA, *7*Cleveland Clinic, Cleveland, OH, USA, *8*University of Wisconsin School of Medicine & Public Health, Division of Pediatric Surgery, Madison, WI, USA, *9*C. S. Mott Children's Hospital, Ann Arbor, MI, USA, *10*University of Michigan, Ann Arbor, MI, USA, *11*Children's

Hospital of Colorado, Denver, CO, USA, 12New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, 13University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, 14Children's Healthcare of Atlanta, Atlanta, GA, USA, 15Children's Mercy – Kansas City, Kansas City, MO, USA, 16Children's Wisconsin, Milwaukee, WI, USA, 17Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN, USA, 18Children's Hospital Los Angeles and Keck School of Medicine of USC, Department of Surgery, Division of Pediatric Surgery, Los Angeles, CA, USA, 19Indiana University, Indianapolis, IN, USA, 20Kansas City, MO, USA, 21Children's Wisconsin, Milwaukee, WI, USA, 22University of Utah Health, Riverton, UT, USA, 23Children's Hospital Colorado, Aurora, CO, USA, 24Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 25Cleveland Clinic Children's, Cleveland, OH, USA, 26Children's Hospital of Los Angeles, Los Angeles, CA, USA, 27Cincinnati Children's Hospital, Cincinnati, OH, USA, 28Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA, 29Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, 30Oregon Health and Science University, Portland, OR, USA, 31Intermountain Health, Primary Children's Hospital, Salt Lake City, UT, USA, 32UW Health Kids, Madison, WI, USA, 33Oregon Health and Science University, West Sacramento, CA, USA, 34Johns Hopkins, Baltimore, MD, USA

13

WEIGHING THE RISKS AND BENEFITS OF POST-OPERATIVE KETOROLAC IN CROHN'S PATIENTS AFTER ILEOCECTOMY

Kara Kennedy, MD¹, Rosa Hwang, BS², Camryn J. Krumbhaar, BS¹, Yunliang Zhao, MA³, Chris Penney⁴, Keith Baxelbaum, PhD¹, Elana Mitchell⁴, Andrew Grossman⁴, Peter Mattei, MD⁵

1Children's Hospital of Philadelphia, Philadelphia, PA, USA, 2Children's Hospital of Philadelphia, Philadelphia, PA, USA, 3University of Pennsylvania, Philadelphia, PA, USA, 4Children's Hospital of Philadelphia, 5Children's Hospital of Philadelphia, Philadelphia, PA, Philadelphia, PA, USA

14

IMPACT OF PULLTHROUGH TIMING ON ENTEROCOLITIS, COMPLICATIONS, AND HEALTH CARE UTILIZATION IN HIRSCHSPRUNG DISEASE

Rosa S. Kim, MD¹, Haley Etskovitz², Lorena Rincon-Cruz², Steven J. Staffa, MS², Meghan Fitzgerald², Ana Chang², Julia E. Bavuso, BS³, William Johnston, MD⁴, Shanquell M. Dixon, MD⁵, Morgan L. Brown, MD⁶, Elena M. Wilson, BS, BA⁷, Camara A. Wooten, BS⁸, Christian Welch, BA⁹, Michael A. Kochis, MD, EdM¹⁰, Tatiana Zabaleta, MD, Nicole J. Bertaux, DO¹¹, Cecilia Gigena Heitsman, MD¹², Swetha Jayavelu, MD¹³, Mary Moya-Mendez, MD MHS¹⁴, Amanda Harrington¹⁵, Henry E. Rice, MD¹⁶, Afif N. Kulaylat, MD, MSc¹⁷, Jason O. Robertson, MD, MS¹⁸, Shaun M. Kunisaki, MD, MSc¹⁹, Isam W. Nasr, MD²⁰, Eunice Y. Huang, MD, MS²¹, Danielle B. Cameron, MD MPH²², Janice A. Taylor, MD²³, Jennifer R. DeFazio, MD²⁴, Sean E. McLean, MD²⁵, Aaron M. Lipskar, MD²⁶, Matthew A. Hornick, MD²⁷, Robert T. Russell, MD, MPH²⁸, Myron Allukian, MD²⁹, Stefan Scholz, MD³⁰, Shawn J. Rangel, MD MSCE³¹, Prathima Nandivada, MD²

1Boston Children's Hospital, Georgetown University Hospital, Boston, MA, USA, 2Boston Children's Hospital, Boston, MA, USA, 3UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, 4Children's Hospital of Philadelphia, Philadelphia, PA, USA, 5Children's of Alabama/University of Alabama at Birmingham, Birmingham, AL, USA, 6University of Alabama at Birmingham, Birmingham, AL, USA, 7Yale School of Medicine, New Haven, CT, USA, 8University of North Carolina, Morrisville, NC, USA, 9New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, 10Massachusetts General Hospital, Boston, MA, USA, 11Johns Hopkins Hospital, Baltimore, MD, USA, 12Cleveland Clinic, Cleveland, OH, USA, 13Penn State Health Milton S Hershey Medical Center, Hershey, PA, USA, 14Department of Surgery, Duke University Medical Center, Durham, NC, USA, 15Johns Hopkins All Children's, St. Petersburg, FL, USA, 16Duke University, Durham, NC, USA, 17Pennsylvania State University, University Park, PA, USA, 18Cleveland Clinic Children's, Cleveland, OH, USA, 19Johns Hopkins, Baltimore, MD, USA, 20Division of Pediatric Surgery, Johns Hopkins School of Medicine, Baltimore, MD, USA, 21Vanderbilt University Medical Center, Nashville, TN, USA, 22Mass General Brigham for Children, Massachusetts General Hospital, Boston, MA, USA, 23University of Florida, Gainesville, FL, USA, 24Columbia University, New York City, NY, USA, 25University of North Carolina- Chapel Hill, Chapel Hill, NC, USA, 26Cohen Children's Medical Center/Northwell Health, New Hyde Park, NY, USA, 27Yale New Haven Children's Hospital, New Haven, CT, USA, 28Children's of Alabama, Birmingham, AL, USA, 29CHOP, Philadelphia, PA, USA, 30UPMC Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, USA, 31Boston Children's Hospital, Boston, MA, USA

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NO-DISCHARGE-ANTIBIOTICS AFTER COMPLICATED APPENDICITIS: A WESTERN PEDIATRIC SURGERY RESEARCH CONSORTIUM PROSPECTIVE STUDY

Anastasia M. Kahan, MD¹, Scott S. Short, MD², Aidyn K. Eldredge, BA³, Catherine Dawson-Gore, MD, MSc⁴, Shannon Acker, MD, MSc⁵, Jose Diaz-Miron, M.D.⁵, Benjamin E. Padilla, MD⁶, Justin Lee, MD⁷, Patrick McGovern, MD⁷, Sarah B. Cairo, MD, MPH⁸, Dane K. Munar, BS⁹, Alexandra Highet, MD¹⁰, Lorraine I. Kelley-Quon, MD MSHS¹¹, Jenna S. Lee, MD¹², Stephanie D. Chao, MD¹³, Serena Bidwell, MD¹⁴, Benjamin D. Carr, MD¹⁵, Elizabeth A. Fialkowski, MD¹⁶, Utsav Patwardhan, MD¹⁷, Romeo C. Ignacio, MD MS MPath¹⁸, Katie W. Russell, MD¹⁹

1University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, 2Division of Pediatric Surgery, University of Utah, Salt Lake City, UT, USA, 3University of Utah, Division of Pediatric Surgery Primary Children's Hospital, Salt Lake City, UT, USA, 4Children's Hospital Colorado, Aurora, CO, USA, 5Children's Hospital of Colorado, Aurora, CO, USA, 6Phoenix Children's Hospital, Phoenix, AZ, USA, 7Phoenix Children's, Phoenix, AZ, USA, 8University of California-San Francisco Benioff Children's Hospital, San Francisco, CA, USA, 9Benioff Children's Hospital, Department of Pediatric Surgery, San Francisco, CA, USA, 10UCSF, San Francisco, CA, USA, 11Children's Hospital Los Angeles/University of Southern California, Los Angeles, CA, USA, 12Children's Hospital Los Angeles, Los Angeles, CA, USA, 13Stanford University School of Medicine, Palo Alto, CA, USA, 14Lucile Packard Children's Hospital, Department of Surgery, Division of Pediatric Surgery, Palo Alto, CA, USA, 15Oregon Health & Science University, Portland, OR, USA, 16Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, 17Naval Medical Center San Diego, San Diego, CA, USA, 18Rady Children's Hospital San Diego, San Diego, CA, USA, 19University of Utah Health, Salt Lake City, UT, USA

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PEDIATRIC SURGERY FELLOWSHIP APPLICANT SCREENING FOR THE IDEAL CANDIDATE

Cortnie R. Vaughn, MD¹, Lucy Ward, MS², Mubeen A. Jafri, MD, FACS, FAAP³, Lucas A. McDuffie, MD⁴, Constance Lee, MD², Raphael C. Sun, MD⁵

1Oregon Health and Science University, West Sacramento, CA, USA, 2Oregon Health and Science University, Portland, OR, USA, 3Oregon Health & Science University, Portland, OR, USA, 4Oregon Health and Science University Oregon Health & Science University, Portland, OR, Portland, OR, USA, 5Oregon Health and Science University, Portland, OR, USA

17

ADMINISTRATION OF EXOGENOUS ORAL SEROTONIN REDUCES SEVERITY OF EXPERIMENTAL NECROTIZING ENTEROCOLITIS

Cody Tragesser, MD¹, Makenna Laffey, MD², Lena M. Bode, MD³, Koichi Tsuboi, MD, PhD⁴, Sierra Williams-McLeod, BS³, Johannes Duess, MD, PhD⁴, Jeremy Young³, Mahmoud El-Baassiri, MD⁴, Heeseong Jang, PhD⁴, Yiwei Ai, MD, PhD⁴, Thomas Prindle³, Sanxia Wang³, Menghan Wang, MS³, William B. Fulton, MS³, Chhinder P. Sodhi, PhD³, David J. Hackam, MD, PhD³

1Virginia Commonwealth University Health Systems, Richmond, VA, USA, 2Department of Pediatric Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, 3Johns Hopkins Children's Center, Baltimore, MD, USA, 4Johns Hopkins University School of Medicine, Baltimore, MD, USA

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IMPACT OF ANTICOAGULANT AND OXYGENATOR TYPE ON ECMO OUTCOMES IN NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA

Rakesh R. Gurralla, MD MBA¹, Matthew T. Harting, MD MS², Laura Galganski, MD MAS³, Alexandra Boyd, MD⁴, Hannah V. Breitschopf, BSA⁵, John Daniel, MD¹, Jason S. Frischer, MD⁶, Kylie I. Holden, MD MS⁷, Monica L. Wagner, MD³, Inna N. Lobeck, MD, FACS, FAAP⁸

1Children's Mercy – Kansas City, Kansas City, MO, USA, 2University of Texas McGovern Medical School at UTHealth, Houston, TX, USA, 3Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 4McGovern Medical School, Houston, TX, USA, 5McGovern Medical School, University of Texas, Houston, Houston, TX, USA, 6Le Bonheur Children's Hospital, Memphis, TN, USA, 7University of Texas at Houston, Houston, TX, USA, 8Kansas City, MO, USA

19

UPREGULATION OF COLLAGEN IV AND INCREASED INTESTINAL STIFFNESS DURING DEVELOPMENT ARE INVOLVED IN THE PATHOGENESIS OF HIRSCHSPRUNG DISEASE

Dorothy Lee, PhD¹, Min Zhu, PhD², Sevan Hopyan, PhD, MD³, Bo Li, PhD¹, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP¹

1The Hospital for Sick Children, Toronto, ON, Canada, 2Developmental and Stem Cell Biology, The Hospital for Sick Children, Toronto, ON, Canada, 3Developmental and Stem Cell Biology, Division of Orthopaedic Surgery, The Hospital for Sick Children, Toronto, ON, Canada

20

FIBRILLIN-2-MEDIATED INCREASED FIBROBLAST ACTIVATION IN CHILDREN WITH ESOPHAGEAL ATRESIA

Nicolas Vinit, MD, MSc¹, Ryugo Teranishi, M.D., PhD², Takefumi Itami³, Rachel Conan, BS⁴, Melanie Bates, MSE⁵, Michael Manfredi, MD⁶, Thomas E. Hamilton, MD⁶, Amanda B. Muir, MD⁷, Emily Partridge, MD, PhD⁸

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, BOULOGNE-BILLANCOURT, Ile-de-France, France, 2Kindai University Nara Hospital, Osaka, Osaka, Japan, 3The Children's Hospital of Philadelphia, Philadelphia, PA, USA, 4Children's Hospital of Philadelphia, West Chester, PA, USA, 5Children's Hospital of Philadelphia, Morrisville, PA, USA, 6Children's Hospital of Philadelphia, Philadelphia, PA, USA, 7Division of Gastroenterology, Hepatology, and Nutrition The Children's Hospital of Philadelphia, Philadelphia, PA, USA, 8Children's Hospital of Philadelphia, Philadelphia, PA, USA

Brad Warner Scholar – Novel Synthetic Analogue of Microbial Metabolite, Urolithin A, as a Potential Preventative and Therapeutic Strategy for Necrotizing Enterocolitis.

8:50 a.m. – 9:00 a.m.

Christie Buonpane, MD, FACS, *University of Louisville / Norton Children's Hospital, Louisville, KY, USA*

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

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

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

Stephanie F. Brierley, MD, *Phoenix Children's Hospital, Phoenix, AZ, USA*

Education Grant - Critical Incident Stress Debriefing: Essential Training for Pediatric Surgeons and Learners

9:00 a.m. – 9:10 a.m.

Kathleen van Leeuwen, MD, *UC Davis Children's Hospital, Sacramento, CA, USA*

Moderators

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

Stephanie F. Brierley, MD, *Phoenix Children's Hospital, Phoenix, AZ, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Understand the differences between types of debriefs.
- Be able to initiate a 5-minute debrief after a critical incident at your institution.

Trauma Update: Cervical Spine Injuries; Blunt Cerebral Vascular Injuries15MTP and Blood Product Updates

9:15 a.m. – 9:40 a.m.

Moderators

Michael W. Dingeldein, MD, *Rainbow Babies and Children Hospital, Cleveland, OH, USA*

Stephanie F. Brierley, MD, *Phoenix Children's Hospital, Phoenix, AZ, USA*

Katie W. Russell, MD, *University of Utah Health, Salt Lake City, UT, USA*

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

Christopher W. Snyder, MD, MSPH, *Johns Hopkins All Children's Hospital, St Petersburg, FL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Understand an evidence-based framework for designing, implementing, and improving a pediatric massive transfusion protocol.
- Examine options for screening for Blunt Cerebrovascular injuries in children.
- Evaluate the risk factors for blunt Cerebrovascular injuries in children.

Rapid Fire Updates from the COGs

10:00 a.m. – 10:30 a.m.

Moderators

Timothy B. Lautz, MD, *Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA*

Emily R. Christison-Lagay, MD, *Yale New Haven Children's Hospital, New Haven, CT, USA*

Martha-Conley E. Ingram, MD, MPH, *Wellstar Golisano Children's Hospital of Georgia, Augusta, GA, USA*

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

Barrie S. Rich, MD, *Feinstein/Northwell, Cohen Children's Medical Center, Queens, NY, Queens, NY, USA*

Sanjeev Vasudevan, MD, *Texas Children's Hospital / Baylor College of Medicine, Houston, TX, USA*

A Bumpy Road: Smoothing the Retirement Process for Senior Surgeons and their Junior Partners

10:00 a.m. – 11:00 a.m.

Moderators

Marcene McVay-Gillam, MD, MMM, *Kid Gloves Surgical Specialists, PLLC, Springdale, AR, USA*

Loren Berman, MD, *Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*

Martha-Conley E. Ingram, MD, MPH, *Wellstar Golisano Children's Hospital of Georgia, Augusta, GA, USA*

Mary Brandt, MD, MDiv, *Baylor College of Medicine, Houston, TX, USA*

David A. Klima, MD, *St. Luke's Children's Hospital, Boise, ID, USA*

Michael D. Klein, AB, MD, *A Scholar's Garden, Cassopolis, MI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe the current state of retirement transition plans across pediatric surgery including the stressors, successes, and opportunities for improvement.
- Understand the perspectives of retiring/retired surgeons, their partners, and group or hospital leaders.
- Describe components of an effective retirement transition plan for your group that supports retiring surgeons, their partners, and the hospital.

Presidential Address: I Get By With a Little Help From My Friends

11:00 a.m. – 12:00 p.m.

Andrea A. Hayes Dixon, MD, *Howard University School of Medicine, Washington, DC, USA*

Introducer

Mary T. Austin, MD, MPH, *McGovern Medical School at UTHealth Houston, Houston, TX, USA*

Chat monitor

Martha-Conley E. Ingram, MD, MPH, *Wellstar Golisano Children's Hospital of Georgia, Augusta, GA, USA*

Benjy Brooks Lunch: Negotiation Basics: What We Do Well and What We Can Do Better

12:00 p.m. – 1:30 p.m.

Jennifer Timmons, MD, *Bronson Methodist Hospital, Western Michigan University School of Medicine, Kalamazoo, MI, USA*

Laura A. Boomer, MD, *Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA*

Eunice Y. Huang, MD, MS, *Vanderbilt University Medical Center, Nashville, TN, USA*

Erika A. Newman, MD, C. S. Mott Children's Hospital, *University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA*

Kenneth W. Gow, MD, MHA, *Stony Brook Children's Hospital, Stony Brook, NY, USA*

TEC Talk 1: Update on Anticoagulation

1:30 p.m. – 1:45 p.m.

Arul Thirumoorthi, MD, *University of Michigan, Ann Arbor, MI, USA*

Introducer

Adam M. Vogel, MD, *Texas Children's Hospital, Houston, TX, USA*

Chat monitor

Katherine C. Bergus, MD, MPH, *Nationwide Children's Hospital, Columbus, OH, USA*

TEC Talk 2: The Pediatric Surgeon's Role in Neuroblastoma

1:45 p.m. – 2:00 p.m.

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, USA*

Introducer

Sarah K. Walker, MD, *Texas Tech University Health Sciences Center El Paso, TX, USA*

Chat monitor

Katherine C. Bergus, MD, MPH, *Nationwide Children's Hospital, Columbus, OH, USA*

TEC Talk 3: Back to Basics and Beyond: New Insights from the Pediatric Surgery Board

2:00 p.m. – 2:15 p.m.

Steven L. Lee, MD, MBA, *Seattle Children's Hospital, University of Washington School of Medicine, Seattle, WA, USA*

Introducer

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

Chat monitor

Katherine C. Bergus, MD, MPH, *Nationwide Children's Hospital, Columbus, OH, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Understand how to get involved with the Pediatric Surgery Board and American Board of Surgery.
- Know how and when to contact the Pediatric Surgery Board and American Board of Surgery.

Advocacy Symposium: Beyond the OR: The Pediatric Surgeon's Role in Healthcare Advocacy

2:15 p.m. – 3:15 p.m.

Kenneth W. Gow, MD, MHA, *Stony Brook Children's Hospital, Stony Brook, NY, USA*

Tamar Magarik Haro, BA, *Haro Solutions, Washington, DC USA*

Chat monitor

Marisa E. Schwab, MD, *Stanford University School of Medicine, Palo Alto, CA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To increase awareness of how federal and state policy changes impact pediatric surgical practice and patient outcomes.
- To illustrate the pediatric surgeon's unique perspective within the broader healthcare advocacy landscape, highlighting opportunities to inform policymakers' decisions that affect children's health.
- To provide practice insights on how pediatric surgeons can engage with and contribute to shaping the policies that impact their patients and their profession.

Standing on the Shoulders of Giants: A Brief History of Hirschsprung Disease

3:35 p.m. – 4:35 p.m.

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

Introducer

Andrea A. Hayes Dixon, MD, *Howard University School of Medicine, Washington, DC, USA*

Chat monitor

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

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Understand the history of our understanding and management of Hirschsprung disease.
- Recognize many of the people who have made major contributions to the management of children with Hirschsprung disease.

Great Cases – Honoring Carroll “Mac” Harmon

4:35 p.m. – 5:35 p.m.

Moderators

Katie W. Russell, MD, *University of Utah Health, Salt Lake City, UT, USA*

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

Nicholas Yung, MD, MHS, *UTHSC, Memphis, TN, USA*

Emily Alberto, MD, *Baylor College of Medicine & University of Texas Medical Branch, Galveston, TX, USA*

Stephanie Papillon, MD, *University of Michigan, Ann Arbor, MI, USA*

William Law, MD, *Boston Children's Hospital, Boston, MA, USA*

Chat monitor

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

Plenary 3

Moderators

Beth A. Rymeski, DO, Cincinnati Children's Hospital, Cincinnati, OH, USA

Adam M. Vogel, MD, Texas Children's Hospital, Houston, TX, USA

Katherine C. Bergus, MD, MPH, Nationwide Children's Hospital, Columbus, OH, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Compare outcomes for thoracotomy versus thoracoscopic repair of esophageal atresia and tracheoesophageal fistula.
- Evaluate the optimal timing for tracheostomy placement in pediatric patients with traumatic brain injury.

21

EARLIER ILEOCECTOMY IN PEDIATRIC CROHN'S DISEASE IS ASSOCIATED WITH IMPROVED POSTOPERATIVE GROWTH RECOVERY

Caitlin J. Cain-Trivette, MD¹, Christopher Nemeh, MD², Brooks Melnyk, MD³, Reagan A. Collins, MD⁴, Maxwell Blanch⁵, Alex I. Halpern, MD⁶, Josélio Rodrigues de Oliveira Filho, MD⁵, Robert Goldstone, MD⁵, Chunhui Wang, MD, MPH⁷, Paul Kurlansky, MD⁷, Afif N. Kulaylat, MD, MSc⁸, Kibileri Williams, MBBS⁹, Christina Feng, MD⁶, Cornelia Griggs, MD, MPH¹⁰, Jennifer R. DeFazio, MD⁷

¹Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, New York, NY, USA, ²Columbia University Medical Center, New York, NY, USA, ³New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, ⁴Hospital of the University of Pennsylvania, Philadelphia, PA, USA, ⁵Massachusetts General Hospital, Boston, MA, USA, ⁶Children's National Hospital, Washington, DC, USA, ⁷Columbia University, New York City, NY, USA, ⁸Pennsylvania State University, University Park, PA, USA, ⁹Children's National Hospital, Washington DC, DC, USA, ¹⁰Harvard Medical School, Mass General Brigham, Boston, MA, USA

22

OPERATIVE VERSUS NON-OPERATIVE MANAGEMENT OF INFANT PERIANAL ABSCESES: A PEDIATRIC SURGERY RESEARCH COLLABORATIVE PROSPECTIVE QUALITY IMPROVEMENT STUDY

Leigh Selesner, MD¹, Chakshu Soni, MPH², Romeo C. Ignacio, MD MS MPath³, Rimla Khan, MS⁴, Robert Wright, PhD⁵, Alicia McIntire, PNP⁶, Bethany J. Slater, MD, MBA⁷, Kathryn J. Rowland, MD, MPH⁸, Nathan M. Novotny, MD⁹, Ryan T. Davis, MD¹⁰, Artem F. Dadamyan, MD¹¹, Amirali Veshagh, BS¹, Rachel Wilson, PA-C, MS¹², Julie McKee, RN, MS, CPNP-AC/PC¹, Samantha P. Kretschmann, MD, MEd¹³, Jose H. Salazar, MD, PhD¹³, Jason P. Sulkowski, MD¹⁴, Cody Tragesser, MD¹⁵, Eunice Y. Huang, MD, MS¹⁶, Tatiana Zabaleta, MD, Arturo Aranda, MD¹⁷, Cory T. Roeth, MD¹⁷, Afif N. Kulaylat, MD, MSc¹⁸, Alicia C. Greene, DO¹⁹, Kay Buerster, MD²⁰, Dave D. Bhattacharya, MD²¹, Lindel Dewberry, MD²², Colin Gause, MD²³, Jeannie Chun, MD²⁴, Elizabeth A. Fialkowski, MD²⁵

¹Oregon Health & Science University, Portland, OR, USA, ²Rady Children's Hospital San Diego, Escondido, CA, USA, ³Rady Children's Hospital San Diego, San Diego, CA, USA, ⁴Lucile Packard Children's Hospital Stanford, Palo Alto, CA, USA, ⁵Stanford University, Stanford, CA, USA, ⁶Randall Children's Hospital at Legacy Emmanuel, Portland, OR, USA, ⁷Mount Sinai Hospital, New York, NY, USA, ⁸Washington University School of Medicine, St. Louis, MO, USA, ⁹Beaumont Children's Hospital, Royal Oak, MI, USA, ¹⁰Wayne State University School of Medicine, Children's Hospital of Michigan, Royal Oak, MI, USA, ¹¹Corewell Health William Beaumont University Hospital, Royal Oak, MI, USA, ¹²Oregon Health & Sciences University, Portland, OR, USA, ¹³Medical College of Wisconsin, Children's Wisconsin, Milwaukee, WI, USA, ¹⁴University of Chicago, Chicago, IL, USA, ¹⁵Virginia Commonwealth University Health Systems, Richmond, VA, USA, ¹⁶Vanderbilt University Medical Center, Nashville, TN, USA, ¹⁷Dayton Children's, Dayton, OH, USA, ¹⁸Pennsylvania State University, University Park, PA, USA, ¹⁹Penn State Hershey Medical Center, Hershey, PA, USA, ²⁰The University of Tennessee Health Science Center, Chattanooga, TN, USA, ²¹Children's Hospital at Erlanger, Chattanooga, TN, USA, ²²Kentucky Children's Hospital, Lexington, KY, USA, ²³Providence Health & Services, Portland, OR, USA, ²⁴Providence Health, Portland, OR, USA, ²⁵Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA

23

BUILDING LOCAL CAPACITY FOR BOWEL MANAGEMENT IN LOW RESOURCE SETTINGS: PROGRAM SUSTAINABILITY AND EXPANSION

Marissa Ray, MD, MS¹, Stephen Trinidad, MD, MPH², Denis Oluka, MBChB, MMed³, Sandra Akatukunda⁴, Saidat Nabiyiki⁵, Maria Obermeyer, MSN APRN⁶, Meera Kotagal, MD, MPH⁶, Felix Oyania, MBChB, MMed, PhD⁷

1Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 2University of Chicago Comer Children's Hospital, Cincinnati, OH, USA, 3Pediatric Surgery Division, Department of Surgery, Mbarara University of Science & Technology, Mbarara, Uganda, Mbarara, Mbarara, Uganda, 4Pediatric Surgery Division, Department of Surgery, Mbarara University of Science & Technology, Mbarara, Uganda, Cincinnati, OH, USA, 5Mbarara University of Science and Technology, Cincinnati, OH, USA, 6Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 7Mbarara University of Science & Technology, Mbarara, Mbarara, Uganda

24 OUTCOMES OF THORACOTOMY VS THORACOSCOPIC ESOPHAGEAL ATRESIA/TRACHEOESOPHAGEAL FISTULA REPAIR: PROSPECTIVE MULTICENTER EVIDENCE ON THE CRITICAL RELATIONSHIP BETWEEN CENTER VOLUME AND OUTCOMES

Stephanie F. Brierley, MD¹, Katie W. Russell, MD², Anastasia M. Kahan, MD³, Zachary J. Kastenber, MD, MS⁴, Caitlin A. Smith, MD⁵, David H. Rothstein, MD, MS⁶, Nzuekoh N. Nchinda, MD, MPH⁷, Claudia Mueller, PhD, MD⁸, Stephanie D. Chao, MD⁸, Marisa E. Schwab, MD⁸, Elena Harnish, MA⁹, Shannon Acker, MD, MSCS¹⁰, Jose Diaz-Miron, M.D.¹⁰, Claudia Mata, MPH¹¹, Aimee G. Kim, MD¹², Lorraine I. Kelley-Quon, MD MSHS¹³, Romeo C. Ignacio, Jr., MD¹⁴, David A. Lazar, MD¹⁵, Sarah B. Cairo, MD, MPH¹⁶, Aaron R. Jensen, MD MEd MS FAAP FACS¹⁷, Samir R. Pandya, MD, MBA¹⁸, Natasha Corbitt, MD, PhD¹⁹, Lauren Gillory²⁰, Emily Byrd, MD PhD²¹, Elizabeth A. Fialkowski, MD²², Benjamin D. Carr, MD²¹, Paul T Kang, MS, MPH²³, Jason D. Fraser, MD, MHM²⁴, Eric Scaife, MD²⁵, Kenneth S. Azarow, MD²⁶, Steven L. Lee, MD, MBA²⁷, Thomas H. Inge, MD²⁸, Kasper Wang, MD²⁹, Benjamin E. Padilla, MD¹, Daniel J. Ostlie, MD³⁰, Justin Lee, MD²⁴

1Phoenix Children's Hospital, Phoenix, AZ, USA, 2University of Utah Health, Salt Lake City, UT, USA, 3University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, 4Department of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake City, UT, USA, 5Seattle Children's Hospital, Seattle, WA, USA, 6Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, 7Seattle Children's Hospital, Seattle, WA, USA, 8Stanford University School of Medicine, Palo Alto, CA, USA, 9Stanford University, Palo Alto, CA, USA, 10Children's Hospital of Colorado, Aurora, CO, USA, 11University of Colorado Anschutz Medical Campus | Children's Hospital Colorado, Aurora, CO, USA, 12Children's Hospital Los Angeles and Keck School of Medicine of USC, Department of Surgery, Division of Pediatric Surgery, Los Angeles, CA, USA, 13Children's Hospital Los Angeles/University of Southern California, Los Angeles, CA, USA, 14Rady Children's Hospital San Diego, University of California San Diego School of Medicine, San Diego, CA, USA, 15Division of Pediatric Surgery, Department of Surgery, University of California San Diego, San Diego, CA, USA, 16University of California-San Francisco Benioff Children's Hospital, San Francisco, CA, USA, 17UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA, 18Children's Medical Center of Dallas, Dallas, TX, USA, 19UT Southwestern Medical Center, Dallas, TX, USA, 20UT Southwestern, Dallas, TX, USA, 21Oregon Health & Science University, Portland, OR, USA, 22Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, 23Creighton University Health Sciences Campus- Phoenix, Phoenix, AZ, USA, 24Phoenix Children's, Phoenix, AZ, USA, 25Primary Children's, Salt Lake City, UT, USA, 26Oregon Health and Science University, Portland, OR, USA, 27Seattle Children's Hospital, University of Washington School of Medicine, Seattle, WA, USA, 28Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 29The Hospital for Sick Children/University of Ontario, Toronto, ON, Canada, 30Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

25 ARE WE SCOPING TO STANDARD? CHILDHOOD AND TRANSITIONAL EGDS IN ESOPHAGEAL ATRESIA USING COSMOS NETWORKED EHR DATA

Andrew P. Bain, MD¹, David Troendle, MD², Carrie Moore¹, Curry Sherard

1UT Southwestern Medical Center, Dallas, TX, USA, 2University of Texas Southwestern, Children's Medical Center, Plano, TX, USA

26 FAST-TRACK FASTING: EXPLORING CLINICAL FACTORS AND OUTCOMES OF LIMITED PERIOPERATIVE FASTING FOR ENHANCED RECOVERY IN PEDIATRIC SURGICAL PATIENTS

Sahita I. Manda, BS¹, Lynn Huang, MS², Willemijn L.A. Schäfer, PhD³, Johanna Borst, MD⁴, Mallory N. Perez, MD, MS⁴, Yao Tian, PhD, MPH², Jane L. Holl, MD, MPH⁵, Salva Balbale, PhD³, Seth D. Goldstein, MD MPhil⁶, Mehul V. Raval, MD MS MBA⁷

1Northwestern University Feinberg School of Medicine, Chicago, IL, USA, Chicago, IL, USA, 2Northwestern Quality Improvement, Research & Education in Surgery (NQUIRES), Northwestern University Feinberg School of Medicine, Chicago, IL, USA, 3Northwestern University Feinberg School of Medicine, Chicago, IL, USA, 4Department of Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; Division of Pediatric Surgery, Department of Surgery, Northwestern University Feinberg School of Medicine, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, Chicago, IL, USA, 5University of Chicago, Chicago, IL, USA, 6Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 7Lurie Children's Hospital of Chicago / Northwestern University, Chicago, IL, USA

27

ORGAN SYSTEM-SPECIFIC IMPACT OF THE TEXAS ABORTION BAN (SB8) ON OPERATIVE ADMISSIONS AND HEALTHCARE UTILIZATION OF INFANTS WITH CONGENITAL ANOMALIES

Mary Elizabeth Guerra, MD¹, Sarah E. Peiffer, MD², Kathleen Hosek, MA², Shannon Larabee, MD¹, Dailen Alonso, MD³, Sundeep G. Keswani, MD, MBA, FACS, FAAP⁴, Timothy Lee, MD², Alice King, MD²

1Baylor College of Medicine, Houston, TX, USA, 2Texas Children's Hospital, Houston, TX, USA, 3Baylor College of Medicine, Texas Children's Hospital, Houston, TX, USA, 4Baylor College of Medicine and Texas Children's Hospital, Bellaire, TX, USA

28

CLINICAL OUTCOMES FOLLOWING TOTAL PANCREATECTOMY WITH ISLET AUTOTRANSPLANTATION IN CHILDREN: A SINGLE-CENTER RETROSPECTIVE STUDY

Juan P. Gurria, MD¹, **Nicolas Luis Noriega, MD²**, Hannah Kim, BS³, Emily Vore, MD³, Todd M. Jenkins, PhD, MPH³, Suzanne E. Evans, MD³, Alexander Bondoc, MD³, Siobhan Tellez, DNP, APRN-CNP³, Deborah Elder, MD³, David S. Vitale, MD³, Gregory Tiao, MD³, Maisam Abu-El-Haija, MD³

1Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 2University of Cincinnati College of Medicine, Cincinnati, OH, USA, 3Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

29

CHILD PHYSICAL ABUSE AND CERVICAL SPINE INJURY: A PROSPECTIVE OBSERVATIONAL STUDY OF OVER 1,200 CHILDREN IN THE WESTERN PEDIATRIC CERVICAL SPINE STUDY

Anastasia M. Kahan, MD¹, Hsuan-Yu Wan, PhD², Vijay Ravindra, MD, MSPH¹, Sean Ciullo, MD³, Katie W. Russell, MD⁴, Mauricio Escobar, MD⁵, Western Pediatric Cervical Spine Study Group⁶

1University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA, 2University of Utah, Division of Pediatric Surgery Primary Children's Hospital, Salt Lake City, UT, USA, 3St. Christopher's Hospital for Children, Philadelphia, PA, USA, 4University of Utah Health, Salt Lake City, UT, USA, 5Multicare Mary Bridge Children's Hospital, Tacoma, WA, USA, 6Western Pediatric Cervical Spine Study Group, Salt Lake City, UT, USA

30

A SIX-DAY WINDOW: DEFINING THE OPTIMAL TIMING FOR TRACHEOSTOMY IN SEVERE PEDIATRIC TRAUMATIC BRAIN INJURY

Alexander S. Mina, MD¹, Duc T. Nguyen, MD, PhD², Kenneth Nobleza, MSc², Chelsea Hunter, MD², Adam M. Vogel, MD², Howard I. Pryor, MD³

1Baylor College Of Medicine, Houston, TX, USA, 2Texas Children's Hospital, Houston, TX, USA, 3Texas Children's Hospital, Houston, TX, USA

Grosfeld Scholar – Mixed Reality Surgery to Enhance Pediatric Surgical Oncology

8:50 a.m. – 9:00 a.m.

Kathleen van Leeuwen, MD, *UC Davis Children's Hospital, Sacramento, CA, USA*

Moderators

Beth A. Rymeski, DO, *Cincinnati Children's Hospital, Cincinnati, OH, USA*

Adam M. Vogel, MD, *Texas Children's Hospital, Houston, TX, USA*

Discussant

Mark L. Ryan, MD, *Children's Medical Center of Dallas, Dallas, TX, USA*

Chat monitor

Katherine C. Bergus, MD, MPH, *Nationwide Children's Hospital, Columbus, OH, USA*

Global Scholar – Impact of Bowel Management on Pediatric Fecal Incontinent Patients: A Prospective Cohort Study

9:00 a.m. – 9:05 a.m.

Woubedel kiflu Aklilu, MD, *Addis Ababa University College of Health Science, Addis Ababa, Addis Abeba, Ethiopia*

Global Scholar – An Interim Analysis of the Standard Care (Stoma Bags) and Double Diapers in Pediatric Patients with Stomas at a Tertiary Hospital in South Africa

9:05 a.m. – 9:10 a.m.

Giulia Brisighelli, MD, *University of Witwatersrand and Chris Hani Baragwanath Academic Hospital, Johannesburg, Gauteng, South Africa*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Know that a double diaper is an alternative method to standard stoma bags for patients with colostomies in resource constrained environments.

S90**MALNUTRITION DRIVES MORBIDITY IN PEDIATRIC ONCOLOGIC SURGERY**

Sophia Schermerhorn, MPH MD¹, Stephanie F. Polites, MD, MPH², Richard Y. Calvo, PhD MPH³, Saundra Martens⁴, Rebekah Burkhardt⁴, Roshni Dasgupta, MD, MPH⁵

1Naval Medical Center San Diego, San Diego, CA, USA, 2Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, 3Scripps Mercy Hospital, San Diego, CA, USA, 4Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 5Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA

Scientific Session 10: Oncology

9:00 a.m. – 9:05 a.m.

Moderators

Timothy B. Lautz, MD, *Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA*
Krista Lai, MD, *Valley Children's Hospital, Fresno, CA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Identify new molecular pathways and therapeutic targets in pediatric oncology.
- Discuss the impact of malnutrition on morbidity for pediatric surgical oncology patients.

S91**MATERNAL NUTRITION INFLUENCES NEUROBLASTOMA PROGRESSION VIA INCREASED TUMOR BURDEN AND CD4⁺ T CELL EXHAUSTION IN OFFSPRING**

Sahiti Chukkapalli, MS¹, Anjalika Dandamudi¹, Erika A. Newman, MD², Keyonna Williams, MD

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

S92**RISK FACTORS, IMPLICATIONS, AND MANAGEMENT OF A CHYLE LEAK FOLLOWING NEUROBLASTOMA RESECTION: A MULTICENTER, RETROSPECTIVE REVIEW.**

Michael Stellan, MD¹, Adam De Jesus, MD PhD¹, Devashish Joshi, MD², Brian T. Craig, MD³, Christa Grant, MD⁴, Erin G. Brown, MD⁵, Stephanie F. Polites, MD, MPH⁶, Barrett P. Cromeens, DO, PhD⁷, Timothy B. Lautz, MD⁸, Roshni Dasgupta, MD, MPH⁹, Marcus M. Malek, MD¹⁰, Lindsay J. Talbot, MD¹¹, Jonathan Roach, MD¹², Jennifer H. Aldrink, MD¹³, Joseph C. Fusco, MD¹⁴, Joseph T. Murphy, MD¹⁵, Peter Mattei, MD¹⁶, Erika A. Newman, MD¹⁷, Elizabeth A. Fialkowski, MD¹⁸, Charbel Chidiac, MD¹⁹, Shannon L. Castle, MD²⁰, Zachary J. Kastenbergh, MD, MS²¹, Aodhnait S. Fahy, BMBCh, PhD²², Dafydd A. Davies, MD, MPhil, FRCS²³, Tamer M. Ahmed, MD²⁴, Nelson Piche, MD²⁵, Barrie S. Rich, MD²⁶, Robin T. Petroze, MD MPH²⁷, Natashia Seemann, MD, MSc²⁸, Joshua Short, MD, PhD²⁹, Kimberly J. Riehle, MD³⁰, Elisabeth Tracy, MD³¹, Eugene S. Kim, MD³², Bhargava Mullapudi, MD³³, Hau D. Le, MD³⁴

1University of Wisconsin SMPH, Madison, WI, USA, 2University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, 3Division of Pediatric Surgery, Medical College of Wisconsin, Children's Wisconsin, Milwaukee, WI, Milwaukee, WI, USA, 4New York Medical College, Valhalla, NY, Valhalla, NY, USA, 5Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA, 6Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, 7Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN, Indianapolis, IN, USA, 8Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 9Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA, 10Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, 11Department of Surgery, St Jude Children's Research Hospital, Memphis, TN, Memphis, TN, USA, 12Department of Pediatric Surgery, Children's Hospital of Colorado, Denver, Colorado, Aurora, CO, USA, 13Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, 14Department of Pediatric Surgery, Vanderbilt University Medical Center, Nashville, TN, USA, 15Children's Health Children's Medical Center, University of Texas Southwestern, Dallas, TX, Dallas, TX, USA, 16Children's Hospital of Philadelphia, Philadelphia, PA, Philadelphia, PA, USA, 17C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA, 18Department of Surgery, Oregon Health & Science University, Portland, OR, Portland, OR, USA, 19Johns Hopkins University School of Medicine, Baltimore, MD, USA, 20Division of Pediatric Surgery, Valley Children's Hospital, Madera, CA, Madera, CA, USA, 21Department of Surgery, Division of Pediatric Surgery, University of Utah, Primary Children's Hospital, Salt Lake City, UT, Salt Lake City, UT, USA, 22Division of Pediatric Surgery, Penn State Children's Hospital, Hershey, PA, Hershey, PA, USA, 23WK Health, Halifax, NS, Canada, 24Division of Pediatric Surgery, SUNY Upstate Medical University, Syracuse, NY, Syracuse, NY, USA, 25Division of Pediatric Surgery,

Centre Hospitalier Universitaire Ste-Justine, Université de Montréal, Montréal, Québec, Canada, Montreal, PQ, Canada, 26Feinstein/Northwell, Cohen Children's Medical Center, Queens, NY, Queens, NY, USA, 27C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA, 28Division of Pediatric Surgery, Children's Hospital, London Health Sciences Centre, London, ON, Canada, London, ON, Canada, 29Pediatric Surgical Associates; Children's Minnesota, Minneapolis, MN, Minneapolis, MN, USA, 30Division of Pediatric General and Thoracic Surgery, Seattle Children's Hospital, Seattle WA, Seattle, WA, USA, 31Division of Pediatric Surgery, Department of Surgery, University of North Carolina Children's Hospital, University of North Carolina at Chapel Hill, Chapel Hill, NC, Chapel Hill, NC, USA, 32Division of Pediatric Surgery, Cedars-Sinai Medical Center, Los Angeles, CA, Los Angeles, CA, USA, 33Children's Mercy Hospital, Kansas City, MO, Kansas City, MO, USA, 34Division of Pediatric Surgery, American Family Children's Hospital, University of Wisconsin School of Medicine and Public Health, Madison, WI, Madison, WI, USA

S93

ANTIGEN AGNOSTIC TARGETED DELIVERY OF CYTOTOXIC THERAPY IN PEDIATRIC SOLID TUMORS

Shahyan Ur Rehman, MD¹, Angela Kim², Suparna Basu, PhD³, Ranjini Sundaram, PhD³, Sophia Gayle, PhD⁴, Vishwas Paralkar, PhD⁴, Emily R. Christison-Lagay, MD¹, Juan Vasquez, MD³

1Yale New Haven Children's Hospital, New Haven, CT, USA, 2Yale University, New Haven, CT, USA, 3Yale School of Medicine, New Haven, CT, USA, 4Cybrexa Therapeutics, New Haven, CT, USA

S94

HISTONE DEACETYLASE INHIBITION ENHANCES CHEMOTHERAPY RESPONSE IN PRECLINICAL MODELS OF MALIGNANT RHABDOID TUMOR

Brian Hickner, MD¹, Priyanka Rao², Roma Patel, BS³, Nicholas O'Brien², Andrew Badachhape², Kevin Fisher², Stephen Sarabia², Dolores Lopez-Terrada⁴, Taran Gujral⁵, Sarah Woodfield, PhD³, Sanjeev Vasudevan, MD⁶

1Baylor College of Medicine, Houston, TX, USA, 2Texas Children's Hospital, Baylor College of Medicine, Houston, TX, USA, 3Texas Children's Hospital, Houston, TX, USA, 4Texas Children's Hospital, 5Fred Hutch, Seattle, WA, USA, 6Texas Children's Hospital / Baylor College of Medicine, Houston, TX, USA

S95

ACTIVATION OF PP2A TARGETS MYCN DRIVEN RHABDOMYOSARCOMA

Pranava Nande, MBBS¹, Maryam shaikh, PHD², Nazia Nazam, PhD¹, Ali M. Eakes, MD, MPH³, Morgan L. Brown, MD¹, Joel Opara, MS⁴, Michael Ohlmeyer, PhD⁵, Elizabeth A. Beierle, MD¹

1University of Alabama at Birmingham, Birmingham, AL, USA, 2University of Alabama at Birmingham, Birmingham, AL, USA, 3Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA, 4University of Alabama at Birmingham, BIRMINGHAM, AL, USA, 5Atux Iskay LLC, Plainsboro, NJ, USA

S96

DIAGNOSTIC ACCURACY OF PET IMAGING FOR DETECTION OF REGIONAL LYMPH NODE METASTASES IN CHILDREN, ADOLESCENTS, AND YOUNG ADULTS WITH RHABDOMYOSARCOMA

Nicole J. Bertaux, DO¹, Charbel Chidiac, MD², Lindsay J. Talbot, MD³, Roshni Dasgupta, MD, MPH⁴, Shannon L. Castle, MD⁵, Barrett P. Cromeens, DO, PhD⁶, Elisabeth Tracy, MD⁷, Stephanie F. Polites, MD, MPH⁸, Jennifer H. Aldrink, MD⁹, Jonathan Roach, MD¹⁰, Jenna S. Lee, MD¹¹, Amanda Buchanan, MD¹², Henry E. Rice, MD¹³, Maren E. Shipe, MD, MPH¹⁴, Hau D. Le, MD¹⁵, David H. Rothstein, MD, MS¹⁶, Marcus M. Malek, MD¹⁷, Barrie S. Rich, MD¹⁸, Erin G. Brown, MD¹⁹, Timothy B. Lautz, MD²⁰, Rodrigo Romao, MD, MSc²¹, Melissa Suh, MD, Erika A. Newman, MD²², Brian T. Craig, MD²³, Aodhnait S. Fahy, BMBCh, PhD²⁴, Shahyan Ur Rehman, MD²⁵, Daniel Bambini²⁶, Janice A. Taylor, MD²⁷, Erica C. Arnold, MD²⁸, Christa Grant, MD²⁹, Daniel J. Robertson, MD³⁰, Shahab Shaffiey, MD, MSc³¹, Natasha Seemann, MD, MSc³², Reto M. Baertschiger, MD, PhD³³, Laura L. Stafman, MD, PhD³⁴, Abdelhafeez Abdelhafeez, MD³⁵, Laura A. Boomer, MD³⁶, Kristen Calabro, MD, MBS, FACS, FAAP³⁷, Chloé Boehmer, MA⁴, Madeline Peters, BS³⁸, Daniel S. Rhee, MD³⁹

1Johns Hopkins Hospital, Baltimore, MD, USA, 2Johns Hopkins University School of Medicine, Baltimore, MD, USA, 3Department of Surgery, St Jude Children's Research Hospital, Memphis, TN, Memphis, TN, USA, 4Division of Pediatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Cincinnati, OH, USA, 5Division of Pediatric Surgery, Valley Children's Hospital, Madera, CA, Madera, CA, USA, 6Division of Pediatric Surgery, Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN, Indianapolis, IN, USA, 7Division of Pediatric Surgery, Department of Surgery, University of North Carolina Children's Hospital, University of North Carolina at Chapel Hill, Chapel Hill, NC, Chapel Hill, NC, USA, 8Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA, 9Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, 10Department of Pediatric Surgery, Children's Hospital of Colorado, Denver, Colorado, Aurora, CO, USA, 11Children's Hospital Los Angeles, Los Angeles, CA, USA, 12University of Kentucky, Lexington, KY, USA, 13Duke University, Durham, NC, USA, 14University of Utah, Salt Lake City, UT, USA, 15Division of Pediatric Surgery, American Family Children's Hospital, University of Wisconsin School of Medicine and Public Health, Madison, WI, Madison, WI, USA, 16Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, 17Division of Pediatric General and Thoracic

Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, 18Feinstein/Northwell, Cohen Children's Medical Center, Queens, NY, USA, 19Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, 20Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 21Hospital for Sick Children, University of Toronto, Toronto, ON, Canada, 22C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, 23Division of Pediatric Surgery, Medical College of Wisconsin, Children's Wisconsin, Milwaukee, WI, USA, 24Division of Pediatric Surgery, Penn State Children's Hospital, Hershey, PA, USA, 25Yale New Haven Children's Hospital, New Haven, CT, USA, 26Atrium Health Levine, Charlotte, NC, USA, 27University of Florida, Gainesville, FL, USA, 28Nationwide Children's Hospital, Columbus, OH, USA, 29New York Medical College, Valhalla, NY, USA, 30Children's Hospital of Illinois, OSF Healthcare, Dunlap, IL, USA, 31Miami Associates In Pediatric Surgery, Miami, FL, USA, 32Division of Pediatric Surgery, Children's Hospital, London Health Sciences Centre, London, ON, Canada, 33Dartmouth Hitchcock Medical Center, Lebanon, NH, USA, 34University of Alabama at Birmingham, Birmingham, AL, USA, 35University of Rochester Medical Center, Golisano Children's Hospital, Rochester, NY, USA, 36Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA, 37Stony Brook University Hospital, Stony Brook, NY, USA, 38Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 39Division of Pediatric Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA

S97

SURGICAL MANAGEMENT OF RECURRENT DESMOPLASTIC SMALL ROUND CELL TUMOR

Jeremy Jen, MD, Ahmad Oudeh, MD, FACS, FEBPS, Enrico Danzer, MD, Michael P. LaQuaglia, MD, FACS, FRCS, Emily Slotkin, MD, Joshua Honeyman, MD, Justin T. Gerstle, MD

Memorial Sloan Kettering Cancer Center, New York, NY, USA

S98

PP2A ACTIVATION DECREASES HEPATOBLASTOMA TUMOR GROWTH THROUGH PIM3 KINASE

Ali M. Eakes, MD, MPH¹, Morgan L. Brown, MD², Pranava Nande, MBBS², Maryam shaikh, PHD³, Nazia Nazam, PhD², Joel Opara, MS⁴, Michael Ohlmeyer, PhD⁵, Elizabeth A. Beierle, MD²

Morgan L. Brown, MD², Pranava Nande, MBBS², Maryam shaikh, PHD³, Nazia Nazam, PhD², Joel Opara, MS⁴, Michael Ohlmeyer, PhD⁵, Elizabeth A. Beierle, MD²

S99

EXTRARENAL WILMS TUMOR: A REPORT FROM THE CHILDREN'S ONCOLOGY GROUP RENAL TUMOR COMMITTEE

Richard D. Glick, MD¹, Lindsay Renfro², Jessica Gulliver, MD³, Nicholas Cost, MD⁴, Peter Ehrlich, MD⁵, Kenneth W. Gow, MD, MHA⁶, Ann Schechter⁷, Meera Kotagal, MD, MPH⁸, Marcus M. Malek, MD⁹, Jennifer H. Aldrink, MD¹⁰, James I. Geller, MD¹¹, Andrew Hong¹², Arnold Paulino¹³, Michael V. Ortiz, MD¹⁴, Amy E. Armstrong, MD¹⁵, Elizabeth A. Mullen, MD¹⁶

1Cohen Children's Medical Center; Hofstra / Zucker School of Medicine; Northwell Health, New Hyde Park, NY, USA, 2Children's Oncology Group, 3U Wisconsin School of Medicine, Madison, WI, USA, 4Department 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, 5C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, 6Stony Brook Children's Hospital, Stony Brook, NY, USA, 7Morgan Stanley Children's Hospital, New York, NY, USA, 8Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 9Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, 10Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, 11Rady Children's Hospital - San Diego, San Diego, CA, USA, 12Emory University and Children's Healthcare of Atlanta, Atlanta, GA, USA, 13University of Texas MD Anderson Cancer Center, Houston, TX, USA, 14Memorial Sloan Kettering Cancer Center, New York, NY, USA, 15Washington University in St. Louis, St. Louis, MO, USA, 16Division of Hematology/Oncology, Dana-Farber Cancer Institute and Boston Children's Hospital, Boston, MA, USA

S100

OPTIMIZING EXPERIMENTAL VAGAL NERVE STIMULATION TO REDUCE NEONATAL SEPSIS

Raina M. Parikh, MD, MPH¹, Leonard Lawandos, MD¹, Mahmoud El Baassiri, MD², Lena M. Bode, MD³, Makenna Laffey, MD⁴, Jonathan Guevara, MD⁵, Thomas Prindle³, Sanxia Wang³, Menghan Wang, MS³, William B. Fulton, MS³, Gene Fridman, PhD⁶, David J. Hackam, MD, PhD³

1Johns Hopkins University School of Medicine, Baltimore, MD, USA, 2University of Pittsburgh Medical Center, Pittsburgh, PA, USA, 3Johns Hopkins Children's Center, Baltimore, MD, USA, 4Department of Pediatric Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, 5Johns Hopkins University, Baltimore, MD, USA, 6Department of Otolaryngology Head and Neck Surgery, Johns Hopkins University, Baltimore, MD, USA

Scientific Session 11: NEC

Moderators

Andrew Zigman, MD, CM, *NW Permanente, OHSU/ Doernbecher Children's Hospital, Portland, OR, USA*
Jamie Robinson, MD, MS, PhD, *Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN, USA*
Seth D. Goldstein, MD MPhil, *Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Critique the antibiotic use in the management of surgical necrotizing enterocolitis.
- Evaluate novel therapeutic targets for treatment of NEC.

S101

THE PATHOPHYSIOLOGY OF CARDIAC-ASSOCIATED VS. PREMATURITY-ASSOCIATED NECROTIZING ENTEROCOLITIS

Colton D. Wayne, MD, MS¹, Taylor H. Jacobs, MD², Zachary Dumbauld, BS³, Belgacem Mihi, DVM⁴, Gail E. Besner, MD¹

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, 3Nationwide Children's Hospital, Ohio State University, Columbus, OH, Columbus, OH, USA, 4Nationwide Children's Hospital, Columbus, OH, Columbus, OH, USA

S102

COST EFFECTIVENESS ANALYSIS OF INTRAPERITONEAL DRAIN PLACEMENT VS EXPLORATORY LAPAROTOMY FOR NEONATAL INTESTINAL PERFORATION

Laritz Diaz, MD¹, William Luo, MD, MPH, MAS², Adesola Akinkuotu, MD, MPH³, Sean E. McLean, MD⁴, Anthony Charles, MD, MPH⁵, Michael R. Phillips, MD, MSCR⁴

1University of North Carolina at Chapel Hill, Durham, NC, USA, 2University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, 3University of North Carolina-Chapel Hill, Chapel Hill, NC, USA, 4University of North Carolina- Chapel Hill, Chapel Hill, NC, USA, 5University of North Carolina - Department of Surgery, Chapel Hill, NC, USA

S103

ANTIMICROBIAL MANAGEMENT OF SURGICAL NECROTIZING ENTEROCOLITIS: INSIGHTS FROM A MULTI-INSTITUTIONAL ANALYSIS

Insiyah Campwala, MD¹, Utsav Patwardhan, MD², Gerald Gollin, MD³, Toby D. Yanowitz, MD⁴, Barbara A. Gaines, MD⁵, Alex Gonzalez, MA MPH⁶, Erin West, DO⁷, Madeline Goldfarb, MD⁸, Daniel B. Gehle, MD⁹, Lauren Camp¹⁰, Krishna Manohar, MD, MS¹¹, Brooke E. Allen, BS¹², Mary Moya-Mendez, MD MHS¹³, Isabel DeLaura, MD¹³, Kathryn Maselli, MD¹⁴, Grant H. Gershner, MD¹⁵, Alena Golubkova, MD¹⁶, Georgi Mladenov, MD¹⁷, Amanda Witte, MD¹⁸, Gabriella Grisotti, MD PhD¹⁹, Troy Markel, MD²⁰, Rebecca L. Brown, MD²¹, Henry E. Rice, MD²², Jose H. Salazar, MD, PhD²³, Catherine Hunter, MD, FACS, FAAP¹⁵, Tim Jancelewicz, MD, MA, MS²⁴, Samir K. Gadepalli, MD, MBA²⁵, Andrei Radulescu, MD, PhD¹⁷, Shannon W. Longshore, MD²⁶, Paul Waltz, MD²⁷

1Department of General Surgery, UPMC, Pittsburgh, PA, USA, 2Naval Medical Center San Diego, San Diego, CA, USA, 3University of California San Diego, San Diego, CA, USA, 4Department of Pediatrics, Division of Newborn Medicine, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA, 5UT Southwestern Medical Center, Dallas, TX, USA, 6Division of Pediatric Surgery, University of California San Diego, Rady Children's Hospital, San Diego, CA, USA, 7Department of Surgery, Naval Medical Center, San Diego, CA, USA, 8Texas Tech Health Sciences Center El Paso, Paul L. Foster School of Medicine, El Paso, TX, USA, 9University of Tennessee Health Sciences Center, Memphis, TN, USA, 10Le Bonheur Children's Hospital, 11Indiana University School of Medicine, Indianapolis, IN, USA, 12Division of Pediatric Surgery, East Carolina University Health Medical Center, Greenville, NC, USA, 13Department of Surgery, Duke University Medical Center, Durham, NC, USA, 14Department of Surgery, Section of Pediatric Surgery, University of Michigan, Michigan Medicine, C.S. Mott Children's Hospital, Ann Arbor, MI, USA, 15University of Oklahoma, Oklahoma City, OK, USA, 16Division of Pediatric Surgery, Oklahoma Children's Hospital, Oklahoma City, OK, USA, 17Loma Linda University Health, Loma Linda, CA, USA, 18Division of Pediatric Surgery, Children's Hospital Wisconsin, Milwaukee, WI, USA, 19Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 20Riley Hospital for Children at IU Health, Indiana University School of Medicine, Indianapolis, IN, USA, 21Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 22Duke University, Durham, NC, USA, 23Medical College of Wisconsin, Children's Wisconsin, Milwaukee, WI, USA, 24Le Bonheur Children's Hospital, University of Tennessee Health Science Center, Memphis, TN, USA, 25University of Michigan, Ann Arbor, MI, USA, 26Brody School of Medicine, East Carolina University, Greenville, NC, USA, 27Division of Pediatric General and Thoracic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

S104**OPTICAL TRANSPARENCY WITH TARTRAZINE ENABLES NON-INVASIVE IMAGING OF NECROTIZING ENTEROCOLITIS IN A MOUSE MODEL**

Cuilee Sha, PhD¹, Varun Sriram, BS², Amanda Wang, n/a², Alexis Savage, n/a³, Shamanth Murundi, MD⁴, Donna Schmidt, n/a², Heidi Hsieh, PhD⁵, Lonnie Wollmuth, PhD², Kenneth W. Gow, MD, MHA⁶, Helen Hsieh, MD, PhD⁶

1Stony Brook University, Port Jefferson Station, NY, USA, 2Stony Brook University, Stony Brook, NY, USA, 3The College of William & Mary, Stony Brook, NY, USA, 4Northwell LIJ, Stony Brook, NY, USA, 5Covance, Madison, WI, USA, 6Stony Brook Children's Hospital, Stony Brook, NY, USA

S105**BIOPTERIN METABOLISM AND OXIDATIVE STRESS DURING NECROTIZING ENTEROCOLITIS**

Koshiro Sugita, PhD¹, Bo Li, PhD², Carol Lee, MSc², Masahiro Shimizu³, Sajda Zahir, HBS⁴, Giorgio Abichedid⁴, Dorothy Lee, PhD², Chen-Yi Wang, PhD⁵, Felicia A. Balsamo, MSc², Jielin Yang², Andrea Zito, HBS², George Biouss, PhD², Naoki Hashizume⁴, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP²

1Division of General and Thoracic Surgery, the Hospital for Sick Children, Toronto, ON, Canada., North York, ON, Canada, 2The Hospital for Sick Children, Toronto, ON, Canada, 3Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan, Bunkyo-ku, Tokyo, Japan, 4Division of General and Thoracic Surgery, the Hospital for Sick Children, Toronto, ON, Canada., Toronto, ON, Canada, 5The Hospital for Sick Children Shengjing Hospital of China Medical University, Toronto, ON, Canada

S106**EXTRACELLULAR VESICLES DERIVED FROM INTESTINAL EPITHELIAL ORGANOIDS PROMOTE REGENERATION DURING NECROTIZING ENTEROCOLITIS**

Andrea Zito, HBS^c, Bo Li, PhD, Carol Lee, MSc, George Biouss, PhD, Felicia A. Balsamo, MSc, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP, Dorothy Lee, PhD

The Hospital for Sick Children, Toronto, ON, Canada

S107**GLP-1 PRODUCED BY ENTEROENDOCRINE CELLS REGULATES NECROTIZING ENTEROCOLITIS SEVERITY IN MICE**

Makenna Laffey, MD¹, Cody Tragger, MD², Lena M. Bode, MD³, Carla M. Lopez, MD⁴, Chhinder P. Sodhi, PhD³, Jonathan Guevara, MD⁵, Raina M. Parikh, MD, MPH⁴, Madeline Raudat, MD⁶, Thomas Prindle³, Menghan Wang, MS³, Sanxia Wang³, William B. Fulton, MS³, David J. Hackam, MD, PhD³, Sierra Williams-McLeod, BS³, Jeremy Young³, Yiwei Ai, MD, PhD⁴

1Department of Pediatric Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA, 2Virginia Commonwealth University Health Systems, Richmond, VA, USA, 3Johns Hopkins Children's Center, Baltimore, MD, USA, 4Johns Hopkins University School of Medicine, Baltimore, MD, USA, 5Johns Hopkins University, Baltimore, MD, USA, 6Department of Pediatric Surgery, Johns Hopkins University School of Medicine, Washington, DC, USA

S108**IMPLEMENTING AND INCREASING UTILIZATION OF SPINAL ANESTHESIA IN GROIN AND GENITAL SURGERY: A QUALITY IMPROVEMENT PROJECT**

Haley D. Kittle, MD¹, Anna M. Lin, MD², Jennifer Hagerty, DO¹, Kesavan Sadacharam, MD³, Gregory Ritchey, MSHCI, CAHIMS⁴, Garima Midha, MBA, CPHQ³, Robert S. Lang, MD³, Jill Stevenson, APN¹, Judith Guidash, CPHQ³, Loren Berman, MD⁵

1Nemours Children's Hospital, Wilmington, DE, USA, 2Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, 3Nemours Children's Health, Wilmington, DE, USA, 4Nemours Children's Hospital, Wilmington, DE, USA, 5Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

NEC Mini Session: Improving Diagnostic Accuracy in NEC: The Role of Noninvasive Tools

10:55 a.m. – 11:05 a.m.

Seth D. Goldstein, MD MPhil, *Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA*

Scientific Session 12: Quality

10:55 a.m. – 11:05 a.m.

Moderators

Alexa G. Turpin, MD, *Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*

Raquel González, MD, MHCM, *Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA*

Matthew T. Santore, MD, CHOA, *Atlanta, GA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Review opportunities to reduce post-operative opioid use among pediatric surgical patients.
- Identify the impact of suture composition on pediatric gastrostomy tube surgical site infections.

S109

ELIMINATING PROPHYLACTIC ANTIBIOTIC USAGE FOR LAPAROSCOPIC PYLOROMYOTOMY: A QUALITY IMPROVEMENT INITIATIVE

Jessica Wright, MD¹, Kristine L. Griffin, MD2, Elizabeth Schneider, BSISE LSSGB2, Meghan Hovell, MD3, Gail E. Besner, MD2, Brian D. Kenney, MD MPH4

1Center for Regenerative Medicine/ Department of Pediatric Surgery/Nationwide Children's Hospital, Columbus, OH, USA, 2Nationwide Children's Hospital, Columbus, OH, USA, 3Nationwide Children's Hospital, 4Nationwide Children's Hospital/The Ohio State University, Columbus, OH, USA

S110

TAKE OFF TO SAVINGS: ALL ABOARD THE CARDIAC G-TUBE BOARDING PASS!

Erin M. Morris, MD¹, Jeannette M. Joly, MD1, Brittany Hegde, MD1, Jay Mendenhall, BS2, Natalie A. Drucker, MD3, Nutan B. Hebballi, PhD2, Maryam Broussard, MHA, CCRP4, Elenir Avritscher5, KuoJen Tsao, MD3

1McGovern Medical School at UTHealth Houston, Houston, TX, USA, 2McGovern Medical School at The University of Texas Health Science Center at Houston, Houston, TX, USA, 3University of Texas Health Science Center at Houston, Houston, TX, USA, 4McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX, USA, 5McGovern Medical School at The University of Texas at Houston (UTHealth)

S111

EVALUATING SUTURE CHOICE AS A MODIFIABLE FACTOR IN PEDIATRIC GASTROSTOMY SURGICAL SITE INFECTIONS

Yousef El-Gohary, MD, MA¹, Canon Dew1, Modupeola Diyaolu, MD2, Rony Marwan, MD, FACS, FAAP3, Kathy Schall, MD4

1University of Missouri, Columbia, MO, USA, 2University of Nebraska Medical Center, Omaha, NE, USA, 3University of Missouri, Columbia, MO, Columbia, MO, USA, 4Children's Nebraska, Omaha, NE, USA

S112

SYNERGISTIC IMPACTS OF STEPWISE QUALITY IMPROVEMENT IN POSTOPERATIVE CARE FOR PEDIATRIC COMPLICATED APPENDICITIS

Jeannette M. Joly, MD¹, Erin M. Morris, MD1, Krysta M. Sutyak, DO1, Poorna R. Menon, BSA2, Avery N. Sinnathamby, BSA3, Taylor Sweeney, BS1, Ivany V. Patel1, Neil G. Jayarajan, BS4, Victor M. Ringheanu, BA1, Molly Anapolsky, BS1, Natalie A. Drucker, MD5, Kevin P. Lally, MD, MS1, KuoJen Tsao, MD5

1McGovern Medical School at UTHealth Houston, Houston, TX, USA, 2McGovern Medical School at UTHealth Houston, League City, TX, USA, 3McGovern Medical Student at UTHealth Houston, Houston, TX, USA, 4University of Texas Health Science Center at Houston, Colleyville, TX, USA, 5University of Texas Health Science Center at Houston, Houston, TX, USA

S113

MINIMIZING CT UTILIZATION IN POST APPENDECTOMY PATIENTS WITH SUSPECTED ABSCESS: A QUALITY IMPROVEMENT PROJECT

Anna M. Lin, MD¹, Kristin Delin2, Terri Moore2, Judith Guidash, CPHQ3, Deborah Rabinowitz, MD2, Michael M. Moore, MD2, David Saul, MD2, Adeka McIntosh, MD2, Loren Berman, MD4, Matthew M. Boelig, MD5

1Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, 2Nemours Children's Health, Delaware Valley, Wilmington, DE, USA, 3Nemours Children's Health, Wilmington, DE, USA, 4Nemours Children's Health - Delaware Valley, Wilmington, DE, USA, 5Nemours Children's Health - Delaware Valley, Wilmington, DE, USA

S114

PERIOPERATIVE NON-STEROIDAL ANTI-INFLAMMATORY DRUG USE IN PEDIATRIC SURGICAL ONCOLOGY

Katherine C. Bergus, MD, MPH¹, Meera Kotagal, MD, MPH2, Stephen J. Hartman, MD2, Andrew J. Murphy, MD3, Thuytien To4, Nicholas Cost, MD5, Andrew M. Davidoff, MD6, Kyle Rove7, Sara A. Mansfield, MD8

1Nationwide Children's Hospital, Columbus, OH, USA, 2Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 3Department of Surgery, St. Jude Children's Research Hospital/Division of Pediatric Surgery, University of Tennessee Health Science Center, Memphis, TN, USA, 4University of Colorado School of Medicine, Aurora, CO, USA, 5Department 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, 6St. Jude Children's Research Hospital Department of Surgery, Memphis, TN, USA, 7Children's Hospital Colorado, 8Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA

S115**OPIOID-FREE HERNIA REPAIR PROTOCOL REDUCES PEDIATRIC OPIOID EXPOSURE WITHOUT COMPROMISING PAIN CONTROL**

Abigail Teitelbaum, MD¹, Kristin E. LeMarbe, MD², Diane Studzinski¹, Corey Shafer, MD³, Antonela Muca, MD¹, Emanuela Peshel, MD¹, Randall Hilleary, MD⁴, Anthony Stallion, MD, MBA⁵, Nathan M. Novotny, MD⁶, Pavan Brahmamdam, MD, MS⁵, Begum Akay, MD⁵

1Corewell Health William Beaumont University Hospital, Royal Oak, MI, USA, 2Corewell Health William Beaumont University Hospital, Berkley, MI, USA, 3UConn Health, Farmington, CT, USA, 4VCU Health, Richmond, VA, USA, 5Corewell Health/Oakland University William Beaumont School of Medicine, Royal Oak, MI, USA, 6Beaumont Children's Hospital, Royal Oak, MI, USA

S116**ELIMINATION OF THE CONVENTIONAL OPIOID SLIDING SCALE ACROSS A HEALTH SYSTEM IMPROVES OPIOID STEWARDSHIP METRICS FOR PEDIATRIC PATIENTS**

Whitney Orji, MD MSHP¹, Ross J. Fleischman, MD, MCR², Rebecca Trotzky-Sirr, MD, MS Eng³, Peter Huynh, MD⁴, Daniel A. DeUgarte, MD MSCR⁵

1UCLA David Geffen School of Medicine, Los Angeles, CA, USA, 2Harbor-UCLA Medical Center, Irvine, CA, USA, 3Los Angeles General Medical Center, Los Angeles, CA, USA, 4Harbor-UCLA Medical Center, Torrance, CA, USA, 5Division of Pediatric Surgery, Department of Surgery, UCLA David Geffen School of Medicine, UCLA Mattel Children's Hospital, Los Angeles, CA, USA

S117**DECREASING POST-OPERATIVE OPIOID USE AFTER PECTUS EXCAVATUM REPAIR WITH INTRA-OPERATIVE METHADONE ADMINISTRATION**

Taylor H. Jacobs, MD¹, Erica C. Arnold, MD², Cindy L. McManaway, FNP³, Wendy Jo Svetanoff, MD³, Elizabeth Schneider, BSISE LSSGB³, Brian D. Kenney, MD MPH⁴, Ralph Beltran, MD³, Kyle J. Van Arendonk, MD PhD³, Sara A. Mansfield, MD⁵

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

S117**DECREASING POST-OPERATIVE OPIOID USE AFTER PECTUS EXCAVATUM REPAIR WITH INTRA-OPERATIVE METHADONE ADMINISTRATION**

Taylor H. Jacobs, MD¹, Erica C. Arnold, MD², Cindy L. McManaway, FNP³, Wendy Jo Svetanoff, MD³, Elizabeth Schneider, BSISE LSSGB³, Brian D. Kenney, MD MPH⁴, Ralph Beltran, MD³, Kyle J. Van Arendonk, MD PhD³, Sara A. Mansfield, MD⁵

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

S79**FRAILITY IN CHILDREN WITH INFLAMMATORY BOWEL DISEASE: APPLICATION OF THE SURGICAL COMPLICATION INDEX FOR PEDIATRIC PATIENTS (SCIPP) TO EVALUATE POST-OPERATIVE OUTCOMES**

Lavanya Easwaran, MD, MPH¹, Sage A. Vincent, MD², Suhong Tong, MS³, Jose Diaz-Miron, M.D.⁴, Eeshan Khurana, BS⁵, Catherine Mazzola, MD⁶, Shannon Acker, MD, MSCS⁴

1University of Colorado, Plain City, OH, USA, 2Children's Hospital Colorado, Golden, CO, USA, 3University of Colorado Anschutz Medical Campus, Aurora, CO, USA, 4Children's Hospital of Colorado, Aurora, CO, USA, 5Sidney Kimmel Medical College, Philadelphia, PA, USA, 6New Jersey Pediatric Neuroscience Institute, Morristown, NJ, USA

Scientific Session 9: Colorectal**Moderators**

David Darcy, MD, Golisano Children's Hospital, University of Rochester Medical Center, Rochester, NY, USA
Irene Isabel P. Lim-Beutel, MD, MPH, LLC, ILB Consulting, Leawood, KS, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Identify post operative complications following Hirschsprung disease.
- Understand the impact of neurodevelopmental disorders on colorectal surgical outcomes.

S80

DIFFERENCES IN SURGICAL OUTCOMES IN PEDIATRIC PATIENTS WITH NEURODEVELOPMENTAL DISORDERS AND INFLAMMATORY BOWEL DISEASE

Tiffany Y. Cheng, MD¹, u Yeon Lee, MD², Jonathan E. Kohler, MD, MA³, Jamie E. Anderson, MD, MPH³

1University of California Davis Medical Center, Sacramento, CA, USA, 2Montefiore Medical Center, New York, NY, USA, 3University of California, Davis, Sacramento, CA, USA

S81

COLONIC DISTENSION INDUCES MUSCULAR HYPERTROPHY, FIBROSIS, AND IMPAIRED CONTRACTILITY

Chioma Moneme, MD, MBA¹, Lillian J. Wu², Alexander Bills², Olivia Jung², Yuwen W. Zhang, MD, PhD², Lily S. Cheng, MD², Prisca C. Obidike, MD, BS²

1University of Virginia, Charlottesville, VA, USA, 2University of Virginia, Charlottesville, VA, USA

S82

WHAT IS THE “FISTULA” IN ANORECTAL MALFORMATIONS? A HISTOPATHOLOGICAL REVIEW OF 105 CASES

Akiko Yokoi, MD, PhD¹, Makiko Yoshida²

1Kobe Children's Hospital, Kobe, Hyogo, Japan, 2Department of Pathology Kobe Children's Hospital, Kobe, Hyogo, Japan

S83

A NEW APPROACH TO A UNIQUE ANORECTAL MALFORMATION, RECTAL ATRESIA: USING A TRANSANAL RATHER THAN A POSTERIOR SAGITTAL APPROACH, WITH OR WITHOUT LAPAROSCOPY

Arianne Maya, MD¹, Eliza Brufsky, BSE², Filipa Jalles, Jamile Brasil, MD³, Mariella Azevedo Maciel, MD⁴, Ricardo Frank, MD³, Christina Feng, MD⁵, Andrea T. Badillo, MD⁵, Marc A. Levitt, MD⁵

1Children's National Hospital, Washington, DC, USA, 2George Washington School of Medicine, Washington, DC, USA, 3Hospital Municipal Infantil Menino Jesus, Sao Paulo, Sao Paulo, Brazil, 4Hospital Municipal Infantil Menino Jesus, Sao Paulo, Sao Paulo, Brazil, 5Children's National Hospital, Washington, DC, USA

S84

RATES OF POST-OPERATIVE COMPLICATIONS IN HIRSCHSPRUNG'S DISEASE: A STUDY BY THE CANADIAN CONSORTIUM FOR RESEARCH IN PEDIATRIC SURGERY (CANCORPS)

Ehab Ergsous, MBBS¹, Jacob Davidson², Natasha Seemann, MD, MSc³, **Ehab Ergsous, MBBS¹**, Cesar Kattini⁴, Ahmed Nasr⁵, Nicole Acupinpin⁶, Zeenat Bhikhoo⁷, Christopher Blackmore⁸, Dunya Moghul⁹, Elena Guadagno, MLIS¹⁰, Hussein Wissanji, MD¹¹, Sherif Emil, MD, CM¹², Robin Wigen¹³, Pascale Prasil¹⁴, Daniel Briatico¹⁵, Michael H. Livingston, MD, MSc, FRCSC¹⁶

1London Health Science Centre, London, ON, Canada, 2Children's Hospital, London Health Sciences Centre, Western University, London, ON, Canada, 3Division of Pediatric Surgery, Children's Hospital, London Health Sciences Centre, London, ON, Canada, 4Children's Hospital of Eastern Ontario, Ottawa, ON, Canada, 5Children's Hospital of Eastern Ontario, Ottawa, ON, Canada, 6IWK Health Centre, Halifax, NS, Canada, 7IWK Health Centre, Halifax, ON, Canada, 8IWK Health, Halifax, NS, Canada, 9Montreal Children's Hospital, Montreal, PQ, Canada, 10Harvey E. Beardmore Division of Pediatric Surgery; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, 11The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, 12Department of Pediatric Surgery; The Montreal Children's Hospital; McGill University Health Centre, Montreal, PQ, Canada, 13Alberta Children's Hospital, Calgary, AB, Canada, 14Centre Hospitalier de l'Université Laval, 15McMaster Children's Hospital, Hamilton, ON, Canada, 16Division of Pediatric Surgery, McMaster University, Hamilton, ON, Canada

S85

DONUT LEAVE IT TO CHANCE: FROZEN CIRCUMFERENTIAL BIOPSIES REDUCE RATES OF TRANSITION ZONE PULL-THROUGH

Megan A. Read Ivaturi, MD¹, Hendt Versteegh, MD¹, Josh Bricker, PhD¹, Ihab Halaweish, MD¹, Alessandra Gasior, DO¹, Vinay Prasad, MD¹, Richard J. Wood, MD², Liese C. C. Pruitt, MD, MSc³, Syed Faizullah Hussaini, MD, PhD¹

1Nationwide Children's Hospital, Columbus, OH, USA, 2Nationwide Children's Hospital, Columbus, OH, USA, 3Nemours Children's Hospital, Wilmington, DE, USA

S86

PEDIATRIC ANORECTAL MALFORMATION AND HIRSCHSPRUNG DISEASE IMPAIR QUALITY OF LIFE INTO ADULTHOOD

Teannette M. Joly, MD¹, Nutan B. Hebballi, PhD², Krysta M. Sutyak, DO¹, Yvanna E. Bidart¹, Preethi Kannan¹, Marianne V. Cusick, MD, MSPH, FACS¹, Amit K. Aggarwal, MD, FACS, FASCRS¹, Hajar I. Ayoub, MD¹, Asha B. Bhalwal, MD, MRCOG, FACOG¹, Kevin P. Lally, MD, MS¹, KuoJen Tsao, MD³, Danielle Hsu, MD¹, Akemi L. Kawaguchi, MD⁴

1McGovern Medical School at UTHealth Houston, Houston, TX, USA, 2McGovern Medical School at The University of Texas Health Science Center at Houston, Houston, TX, USA, 3University of Texas Health Science Center at Houston, Houston, TX, USA, 4McGovern Medical School at The University of Texas at Houston (UTHealth)

S87

INCIDENCE OF ENDOMETRIOSIS IN PATIENTS WITH CONGENITAL ANORECTAL MALFORMATIONS

Sara E. Lytle, MS¹, Jill K. Knepprath, MD², Eiichi Miyasaka, MD³

1Case Western Reserve University School of Medicine, Cleveland, OH, USA, 2University Hospitals Cleveland Medical Center Rainbow Babies and Childrens, shaker Heights, OH, USA, 3Rainbow Babies and Children Hospital, Cleveland, OH, USA

S88

ENDORECTAL SCLEROTHERAPY AS TREATMENT FOR ANORECTAL VENOUS MALFORMATION IN A PEDIATRIC POPULATION: TECHNIQUE (WITH VIDEO DEMONSTRATION) AND EARLY COMPLICATIONS

Kereen R. Constant, MD¹, Steven J. Fishman, MD²

1Boston Children's Hospital, University of Maryland Medical Center, Boston, MA, USA, 2Boston Children's Hospital/Harvard Medical School, Boston, MA, USA

S89

EARLY POSTOPERATIVE COMPLICATIONS FOLLOWING CLOACAL REPAIR

Marc A. Levitt, MD¹, Christopher J. Staniorski, MD¹, Tali Newman², Butool Hisam¹, Melanie A. Bowser¹, Arianne Maya, MD³, Christina P. Ho, MD¹, Christina Feng, MD¹, Andrea T. Badillo, MD¹, Briony K. Varda, MD, MPH¹, Filipa Jalles, Carolyn Brookhart, MD, Jasmine Nguyen, Allison Mayhew

1Children's National Hospital, Washington, DC, USA, 2GW School of Medicine and Health Sciences, Washington, DC, USA, 3Children's National Hospital, Washington, DC, USA

Quickshots I: General Surgery and Oncology

11:15 a.m. – 12:00 p.m.

Moderators

Carrie Moore, UT Southwestern Medical Center, Dallas, TX, USA

Aodhnait S. Fahy, BMBCh, PhD, Division of Pediatric Surgery, Penn State Children's Hospital, Hershey, PA, Hershey, PA, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Identify national trends in morbidity following pediatric gastrostomy tube placement.
- Evaluate outcomes for thoracic procedures in pediatric oncology patients.

QS1

GALLBLADDER FIRST APPROACH FOR MANAGEMENT OF CHOLEDOCHOLITHIASIS: COMPARISON OF HOSPITAL-LEVEL STRATEGIES IN THE PEDIATRIC HEALTH INFORMATION SYSTEM

Alexis Jones, MD, MPH¹, Zane J. Hellmann, MD¹, Shahyan Ur Rehman, MD¹, Carly Thaxton, MD¹, Daniel G. Solomon, MD²

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

QS2

OPTIMIZING CLOSTRIDIODES DIFFICILE TESTING TO ACCURATELY TREAT PEDIATRIC SURGICAL PATIENTS

Omar Obaid, MD¹, Kristine L. Griffin, MD², Elizabeth Schneider, BSISE LSSGB², Amy Leber, PhD², Joshua Watson, MD², Guliz Erdem³, Gail E. Besner, MD², Brian D. Kenney, MD MPH⁴, Eunkyung Song, MD⁵

1Department of Surgery/Nationwide Children's Hospital, Columbus, OH, USA, 2Nationwide Children's Hospital, Columbus, OH, USA, 3Department of Infectious Disease, Nationwide Children's Hospital, Columbus, OH, USA, 4Nationwide Children's Hospital/ The Ohio State University, Columbus, OH, USA, 5Nationwide Children's Hospital, OH, USA

QS3**IMPLEMENTATION OF DIGITAL CHEST DRAINAGE DEVICES IN A PEDIATRIC POPULATION: A SINGLE-CENTER EXPERIENCE**

Zachary Ballinger, MD MSCI¹, Faheem Nagpurwala, BS¹, Samhitha Satish Kumar¹, Jonathan Green, MD², Kaitlyn Wong, MD, PhD³, Muriel A. Cleary, MD MHS⁴, Jeremy T. Aidlen, MD⁴

1UMass Chan Medical School, Worcester, MA, USA, 2University of Massachusetts Medical School, Worcester, MA, USA, 3UMass Memorial Medical Center, Worcester, MA, USA, 4University of Massachusetts Medical School, Department of General Surgery, Division of Pediatric Surgery, Worcester, MA, USA

QS5**THE HIDDEN MORBIDITY OF GASTROSTOMY TUBE PLACEMENT IN CHILDREN: EVALUATING EARLY DISLODGMENTS AND HOSPITAL REVISITS IN A NATIONAL COHORT STUDY**

Anoosha Moturu, MD, MS¹, Melvin Coleman, MPH², Catherine Grant, BSN, RN², Clifford Y. Ko, MD, FACS², Loren Berman, MD³, Derek S. Wakeman, MD⁴

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

QS6**DEVELOPMENT AND IMPLEMENTATION OF A HIGH FIDELITY PEDIATRIC LAPAROSCOPIC INGUINAL HERNIA REPAIR SIMULATOR**

Sara L. Lee, MD, MEng¹, Jeremiah Egolf², Katelyn Chan, MD², Megan Z. Chiu, MD², Michael G. Silver², Farokh R. Demehri, MD³

1Boston Children's Hospital, Brookline, MA, USA, 2Boston Children's Hospital, Boston, MA, USA, 3Boston Children's Hospital, Boston, MA, USA

QS7**THE IMPACT OF PHYSICIAN 'NUDGING' ON TREATMENT DECISION MAKING FOR UNCOMPLICATED APPENDICITIS**

Christopher H. Noda, M.D.¹, Nicole M. Santucci, MD, MAEd, MPHS², Darby Q. Le, BA¹, Colin Martin, MD², Kathryn J. Rowland, MD, MPHS¹

1Washington University School of Medicine, St. Louis, MO, USA, 2Washington University in St Louis, St Louis, MO, USA

QS8**EVALUATION OF SUCCESS IN CATHETER SALVAGE AND VENOUS SITE PRESERVATION IN CATHETER-RELATED BLOODSTREAM INFECTIONS IN PEDIATRIC PATIENTS WITH INTESTINAL FAILURE**

Nathalia Porto Rangel Travassos, Residency in Pediatric Surgery – Federal University of São Paulo, Brazil¹, Natalia Person, n/a², João Seda Neto³, Roberta Longo, n/a², Catiana Gritti², Estela Pavanelli⁴, Camila Mascarenhas², Beatriz Farah², Karina Roda Vincenzi², Rodrigo Vincenzi²

1Sírio- Libanês Hospital / Menino Jesus Pediatric Hospital, São Paulo, Sao Paulo, Brazil, 2Sírio-Libanês Hospital, Sao Paulo, Sao Paulo, Brazil, 3Sírio-Libanês Hospital, Sao Paulo, Sao Paulo, Brazil, 4Sírio-Libanês Hospital, São Paulo, Sao Paulo, Brazil

QS9**DIAGNOSTIC DELAYS AND NONSTANDARD TREATMENT CHARACTERIZE ADULT WILMS TUMOR IN THE SEER DATABASE**

Edward Hammond-DeBrady, MHS¹, Tatiana Zabaleta, MD, Shilin Zhao², Jennifer H. Aldrink, MD³, Daniel Benedetti², Joseph C. Fusco, MD⁴, Harold N. Lovvorn, MD⁵

1Meharry Medical College, Nashville, TN, USA, 2Vanderbilt University Medical Center, Nashville, TN, USA, 3Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA, 4Department of Pediatric Surgery, Vanderbilt University Medical Center, Nashville, TN, USA, 5Monroe Carrell Children's Hospital at Vanderbilt, Nashville, TN, USA

QS10**SURGICAL OUTCOMES AFTER THORACIC PROCEDURES IN PEDIATRIC ONCOLOGY PATIENTS**

Zach Morrison, MD¹, Jasmine Smith², Emily Zeng, MS³, Aydin Unal⁴, James Erny², Motomi Mori, PhD, MBA³, Andrew J. Murphy, MD⁵, Andrew M. Davidoff, MD⁶, Lindsay J. Talbot, MD⁷

1Medical College of Wisconsin, Milwaukee, WI, USA, 2St. Jude Children's Research Hospital, Memphis, TN, USA, 3St. Jude Children's Research Hospital, Memphis, TN, USA, 4St. Jude Children's Research Hospital, Memphis, TN, USA, 5Department of Surgery, St. Jude Children's Research Hospital/Division of Pediatric Surgery, University of Tennessee Health Science Center, Memphis, TN, USA, 6St. Jude Children's Research Hospital Department of Surgery, Memphis, TN, USA, 7Department of Surgery, St. Jude Children's Research Hospital, Memphis, TN, Memphis, TN, USA

QS11**VARIATION IN RECTAL BIOPSY UTILIZATION FOR MECONIUM PLUG SYNDROME: IMPACT OF HOSPITAL VOLUME ON HIRSCHSPRUNG DISEASE DIAGNOSIS**

Nicholas J. Iglesias, MD1, Andres M. Corona, M.D.1, Akshat Sanan, M.D.1, Anne Reme, M.D.1, Ana M. Reyes, M.D.1, Talia R. Arcieri, MD2, Faraz Ali Khan, MD3, Josh Parreco, M.D.4, Juan E. Sola, MD2, Eduardo A. Perez, MD2, Chad M. Thorson, MD, MSPH2

1University of Miami, DeWitt Daughtry Family Department of Surgery, Division of Pediatric Surgery, Miami, FL, USA,

2University of Miami Health System, Miami, FL, USA, 3Stanford University, Palo Alto, CA, USA, 4Memorial Regional Hospital, Hollywood, FL, USA

Quickshots II: Neonatal and Basic Science**Moderators**

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

Mubina Isani, MD, *Loma Linda University Medical Center, Los Angeles, CA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss contemporary management strategies for abdominal wall defects.
- Examine national trends in surgical mortality for infants born at <24 weeks who develop NEC.

QS12**PRENATAL MRI VOLUMETRICS AND OUTCOMES AFTER EARLY SURGERY OR PAINT-AND-WAIT FOR GIANT OMPHALOCELE**

Daniel R. Liesman, MD1, Katherine Ott, MD2, William Marriott2, Meghan A. Coghlan, MD2, Amir Alhajjat, M.D.3, Aimen Shaaban, MD4

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

QS13**CONTEMPORARY RATES OF ABDOMINAL WALL REPAIR AND MORTALITY FOR INDEX OMPHALOCELE ADMISSIONS**

Whitney Orji, MD MSHP1, Jordan M. Rook, MD, PhD2, Yigit S. Guner, MD, MSc3, Peyman Benharash, MD, MS1, Kara L. Calkins, MD MS4, Daniel A. DeUgarte, MD MSCR5

1UCLA David Geffen School of Medicine, Los Angeles, CA, USA, 2Department of Surgery, UCLA David Geffen School of Medicine, Los Angeles, CA, USA, 3Children Hospital of Orange County, Orange, CA, USA, 4Division 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, 5Division of Pediatric Surgery, Department of Surgery, UCLA David Geffen School of Medicine, UCLA Mattel Children's Hospital, LOS ANGELES, CA, USA

QS14**SURGICAL MORTALITY OF NECROTIZING ENTEROCOLITIS AMONG EXTREMELY PREMATURE INFANTS BORN AT <24 WEEKS GESTATIONAL AGE IN A NATIONAL COHORT**

Matthew T. Parrish, MD1, Katie Bews, MS1, Elizabeth B. Habermann, PhD2, Stephanie F. Polites, MD, MPH3

1Mayo Clinic, Rochester MN, Rochester, MN, USA, 2Robert D. and Patricia E. Kern Center for the Science of Health Care Delivery, Mayo Clinic, Rochester, MN, USA, 3Department of Surgery, Mayo Clinic, Rochester, MN, Rochester, MN, USA

QS15**NECROTIZING ENTEROCOLITIS IN EXTREMELY PREMATURE INFANTS: DIAGNOSIS, MANAGEMENT, AND MORTALITY**

Elizabeth A. Barmash, MD1, Erica C. Arnold, MD2, Ruiqi Cen, PhD, MPH1, Rajan K. Thakkar, MD1, Amy B. Schlegel, MD, MS1, Karen A. Diefenbach, MD3, Kyle J. Van Arendonk, MD PhD1, Gail E. Besner, MD1

1Nationwide Children's Hospital, Columbus, OH, USA, 2Nationwide Children's Hospital, Columbus, OH, USA, 3Nationwide Children's Hospital, Dublin, OH, USA

QS16**A NATIONAL ASSESSMENT OF DEXMEDETOMIDINE AFTER NEONATAL THORACIC AND ABDOMINAL OPERATIONS**

Simone C. Hyman, MD1, Erin West, DO2, Hannah Puentes3, Richard Y. Calvo, PhD MPH4, Anup Katheria5, Gerald Gollin, MD6

1UCSD General Surgery, San Diego, CA, USA, 2Department of Surgery, Naval Medical Center, San Diego, CA, USA, 3Marine Corps Air Station Yuma, San Diego, CA, USA, 4Scripps Mercy Hospital, San Diego, CA, USA, 5Sharp Mary Birch Hospital for Women and Newborns, San Diego, CA, USA, 6University of California San Diego, San Diego, CA, USA

QS17**PILOT EVALUATION OF A STEM CELL-LOADED ALGINATE-BASED SEALANT FOR TRACHEAL REPAIR AND REGENERATION**

Nina D. Kosciuszek, DO, MS1, Joanne Walker, MS2, Heather Wanczyk, MS2, Daniel Weiss, MD, PhD3, Christine Finck, MD1
1Connecticut Children's Medical Center, Hartford, CT, USA, 2University of Connecticut Health Center, Farmington, CT, USA, 3University of Vermont, Burlington, VT, USA

QS18**IDENTIFICATION OF REGULATORY GENES AND CORRESPONDING PATHWAY ENRICHMENT ASSOCIATED WITH BILIARY ATRESIA DISEASE PROGRESSION**

Alyssa Joachim, MD1, John Schomberg, PhD, MPH2, Annie Giron, MD, MS3, Zoe E. Flyer, DO4, April A. Carlson, MD5, Peter T. Yu, MD, MPH2

1Children's Hospital of Orange County, La Jolla, CA, USA, 2Children's Hospital of Orange County, Orange, CA, USA, 3Children's Hospital of Orange County, Irvine, CA, USA, 4Rady Children's Health Orange County, Orange, CA, USA, 5Rady Children's Hospital of Orange County, Santa Ana, CA, USA

QS19**MAPPING THE FIBROTIC FRONTIER: CHARACTERIZATION OF HEPATIC STELLATE CELL SUBPOPULATIONS IN BILIARY ATRESIA USING SPATIAL TRANSCRIPTOMICS**

Norah E. Liang, MD1, Benjamin Pham, B.A.2, Khristian E. Bauer-Rowe, PhD3, Elise Lelou4, Cindy Ament, PhD4, Gillian L. Fell, MD, PhD5, Stephanie D. Chao, MD6, James C.Y. Dunn, MD PhD7, Serena Y. Tan, MD3, Bruce Wang, MD4, Amar Nijagal, MD8, Michael Longaker, MD, MBA1, Jeong S. Hyun, MD1

1Stanford University School of Medicine, Stanford, CA, USA, 2Stanford University, Menlo Park, CA, USA, 3Stanford University, Stanford, CA, USA, 4UCSF, San Francisco, 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, 8UCSF Benioff Children's Hospital, San Francisco, CA, USA

QS20**NATIONAL TRENDS IN PEDIATRIC BLUNT CEREBROVASCULAR INJURY: INCIDENCE, RISK FACTORS, AND OUTCOMES**

Zachary Ballinger, MD MSCI1, Robert J. McLoughlin, MD, MSCI2, Max Hazeltine, MD, MSCI3, Kaitlyn Wong, MD, PhD4, Jonathan Green, MD5, Jeremy T. Aidlen, MD6, Muriel A. Cleary, MD MHS6

1UMass Chan Medical School, Worcester, MA, USA, 2UConn Health, Farmington, CT, USA, 3City of Hope, Duarte, CA, USA, 4UMass Memorial Medical Center, Worcester, MA, USA, 5University of Massachusetts Medical School, Worcester, MA, USA, 6University of Massachusetts Medical School, Department of General Surgery, Division of Pediatric Surgery, Worcester, MA, USA

Quickshots III: Trauma and Advocacy**Moderators**

Benjamin A. Farber, MD, *Loma Linda University, Loma Linda, CA, USA*
 Natalie O'Neill, MD, *Children's Hospital of the King's Daughters, Norfolk, VA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss current pediatric surgical advocacy efforts.
- Explore national trends in the management of pediatric blunt cerebrovascular injury.

QS21**NIH-SUPPORTED CLINICAL TRIALS IN CHILDREN'S SURGERY, 2020–2025 AND IMPLICATIONS FOR RECENT FEDERAL FUNDING POLICY CHANGES**

Ansh Goyal, MD1, Justin Ryder2, Mehul V. Raval, MD MS MBA3, Susanna McColley4

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

QS22**MULTICENTER ANALYSIS OF PEDIATRIC TRAUMATIC PNEUMOTHORAX: VOLUME THRESHOLD AND INSTITUTIONAL VARIATION**

Kathleen Heller, MD, MS1, Christopher Knapp, MD2, Stephanie F. Brierley, MD1, Erica Whetten, DNP3, R Scott Eldredge, MD4, Peter Halligan5, Paul T Kang, MS, MPH6, Emalee Orcutt4, Connor Park7, Rebecca Payne8, Cory Pfeifer, MD, MBA, MPH, MS9, Mattison Stewart1, Justin Lee, MD4

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

QS23**ASSOCIATION BETWEEN HYPOTHERMIA AND MORTALITY IN PEDIATRIC TRAUMA**

Elizabeth A. Barmash, MD1, Jessica Wright, MD2, Alicia Menchaca, MD3, Yueran Zhang, MS4, Alejandro Lopez, BS5, Kyle J. Van Arendonk, MD PhD1, Brian D. Kenney, MD MPH6

1Nationwide Children's Hospital, Columbus, OH, USA, 2Center for Regenerative Medicine/ Department of Pediatric Surgery/ Nationwide Children's Hospital, Columbus, OH, USA, 3Nationwide Children's Hospital, Chicago, IL, USA, 4Nationwide Children's Hospital, Columbus, OH, USA, 5The Ohio State University College of Medicine, Columbus, OH, USA, 6Nationwide Children's Hospital/ The Ohio State University, Columbus, OH, USA

QS24**VARIABILITY IN PEDIATRIC TRAUMA CENTER CRITERIA FOR HIGHEST AND SECOND TIER TRAUMA TEAM ACTIVATION**

Allison B. Frederick, MD1, Christian Streck, MD2

1Medical University of South Carolina, Johns Island, SC, USA, 2Medical University of South Carolina, Charleston, SC, USA

QS25**WHO MANAGES PEDIATRIC VASCULAR TRAUMA? OUTCOMES ACROSS SPECIALTIES AT A LEVEL I TRAUMA CENTER**

Erin M. Morris, MD1, Jeannette M. Joly, MD1, Krysta M. Sutyak, DO1, Derrick Williams, MD2, Matthew R. Greives, MD, MS1, S. Keisin Wang, MD1, Bryan Cotton, MD1, Charles S. Cox, MD3, Mary T. Austin, MD, MPH1, KuoJen Tsao, MD4, Natalie A. Drucker, MD4

1McGovern Medical School at UTHealth Houston, Houston, TX, USA, 2McGovern Medical School at the University of Texas Health Science Center Houston, Houston, TX, USA, 3McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX, USA, 4University of Texas Health Science Center at Houston, Houston, TX, USA

QS26**STRESS, SOCIAL BARRIERS, SUPPORT: THE IMPACT OF PEDIATRIC SURGERY ON URBAN FAMILIES**

Haley A. Feltracco, MD1, Benjamin Close, BS2, Mochamad Nataliansyah, MD, MPH, PhD2, Shana T. Lara, PhD2, Kyle J. Van Arendonk, MD PhD3, Katherine T. Flynn-O'Brien, MD2

1Children's Wisconsin, Wauwatosa, WI, USA, 2Medical College of Wisconsin, Milwaukee, WI, USA, 3Nationwide Children's Hospital, Columbus, OH, USA

QS27**RIISING VOICES: A DECADE OF PEDIATRIC SURGICAL ADVOCACY IN ACTION**

Marion C. W Henry, MD, MPH1, Leslie Knod, MD2, Amanpreet Brar, MD3, Joanne E. Baerg, MD4, Kenneth W. Gow, MD, MHA5

1University of Chicago, Chicago, IL, USA, 2Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA, 3University of British Columbia, Vancouver, BC, Canada, 4El Paso Children's Hospital, Texas Tech University, Laguna Niguel, CA, USA, 5Stony Brook Children's Hospital, Stony Brook, NY, USA

QS28**DIVERSITY IN THE PEDIATRIC SURGERY WORKFORCE: A CALL FOR CONTINUED EFFORTS**

Bill He, B.S.1, Alicia C. Greene, DO2, Robert L. Ricca, MD, MPH3

1Pennsylvania State University College of Medicine, Hummelstown, PA, USA, 2Penn State Hershey Medical Center, Hershey, PA, USA, 3Pennsylvania State University, Hershey, PA, USA

QS29

ADVOCACY IN ACTION: A CENTURY OF PEDIATRIC SURGEONS ADVANCING CHILD HEALTH

Amanpreet Brar, MD1, Leslie Knod, MD2, Joanne E. Baerg, MD3, Marion C. W Henry, MD, MPH4, Kenneth W. Gow, MD, MHA5

1University of British Columbia, Vancouver, BC, Canada, 2Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA, 3El Paso Children's Hospital, Texas Tech University, Laguna Niguel, CA, USA, 4University of Chicago, Chicago, IL, USA, 5Stony Brook Children's Hospital, Stony Brook, NY, USA

QS30

OUTCOMES AND DELAYS IN PEDIATRIC INTESTINAL ATRESIA SURGERY IN SOUTHERN IRAQ: A MULTICENTER QUALITY & SAFETY ANALYSIS

Hashim Manea, MD, PhD1, Fatimah Badri, MBChB2

1Oregon Health and Science University, Portland, OR, USA, 2Qal'at Sukkar General Hospital, Thi Qar, Iraq, Nassiriyah, Dhi Qar, Iraq

Quickshots IV: History, Global, and General Surgery

Moderators

Sarah A. Jones Sapienza, MD, BayCare St. Joseph's Children's Hospital, Tampa, FL, USA

Donald J. Lucas, MD, MPH, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Identify controversies in pediatric inguinal hernia surgery.
- Assess the evolution in management of blunt renal trauma.

QS31

SAFE EARLY DISCHARGE AFTER SUCCESSFUL PNEUMATIC REDUCTION OF INTUSSUSCEPTION IN CHILDREN: EXPERIENCE FROM A RESOURCE LIMITED SETTING

Javeria Javed, MBBS1, Fareeha Nisar, MBBS2, Zara Bhatti, MBBS1, Humza Thobani, MBBS3, Muhammad Aqil Soomro, MBBS1, Saqib Qazi, MBBS1, Faraz Ali Khan, MD4, Saleem Islam, MD, MPH5

1Section of Pediatric Surgery - Department of Surgery, Aga Khan University, Karachi, Sindh, Pakistan, 2Department of Surgery, Aga Khan University, Karachi, Sindh, Pakistan, 3Aga Khan University, Karachi, Sindh, Pakistan, 4Stanford University, Palo Alto, CA, USA, 5Aga Khan University, Karachi City, Sindh, Pakistan

QS32

A PILOT INTERVENTION TO REDUCE STIGMA AND EMPOWER CAREGIVERS OF CHILDREN WITH STOMAS IN SOUTHWEST UGANDA

Anna R. McPherson1, Wigdan S. Hissein2, Saidat Nabiyiki3, Moris Baluku, MBChB, MMed4, Chrispin F. Wonyoto4, Emmanuel Bua4, Eden Belay Telahun, MD4, Godfrey Zari Rukundo5, Denis Oluka, MBChB, MMed6, Olivia McGinnis, PhD, MPH7, Doruk Ozgediz, MD, MSc8, Tamara N. Fitzgerald, MD9, Felix Oyania, MBChB, MMed, PhD10

1Duke University, Global Health Institute, Winston Salem, NC, USA, 2Duke University, Duke Global Health Institute, Durham, NC, USA, 3Mbarara University of Science and Technology, Cincinnati, OH, USA, 4Mbarara University of Science and Technology, Mbarara, Mbarara, Uganda, 5Department of Psychiatry and Behavioural Neurosciences, McMaster University, Mbarara, Mbarara, Uganda, 6Pediatric Surgery Division, Department of Surgery, Mbarara University of Science & Technology, Mbarara, Uganda, Mbarara, Mbarara, Uganda, 7Duke University, Global Health Institute, Durham, NC, USA, 8Center for Health Equity in Surgery and Anesthesia, University of California San Francisco, Mbarara, Mbarara, Uganda, 9Duke University Medical Center, Durham, NC, USA, 10Mbarara University of Science & Technology, Mbarara, Mbarara, Uganda

QS33

TIME TO SPARE: 2-MINUTE VS 1-MINUTE INTERCOSTAL NERVE CRYOABLATION DURING MINIMALLY INVASIVE REPAIR OF PECTUS EXCAVATUM

Lawrence Willis1, Stephanie F. Brierley, MD1, Kathleen Heller, MD, MS1, Ryan Hare, BS2, Rebecca Payne3, Lauren Nicassio4, David M. Notrica, MD1, Patrick McGovern, MD4, Lisa E. McMahon, MD1, Jae-O Bae, MD1, Justin Lee, MD4, Kristin Rassam4, Daniel J. Ostlie, MD5, Jason D. Fraser, MD, MHM4, Benjamin E. Padilla, MD1

1Phoenix Children's Hospital, Phoenix, AZ, USA, 2Phoenix Children's, Tempe, AZ, USA, 3Phoenix Children's, Mesa, AZ, USA, 4Phoenix Children's, Phoenix, AZ, USA, 5Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

QS34**SURGICAL ANTIBIOTIC PROPHYLAXIS UTILIZATION FOR PEDIATRIC THYROID SURGERY: A NSQIP-PEDIATRIC ANALYSIS**

Erica C. Arnold, MD¹, Yueran Zhang, MS¹, Kris Jatana, M.D.², Kyle J. Van Arendonk, MD PhD³, Sara A. Mansfield, MD⁴, Jennifer H. Aldrink, MD⁵

*1*Nationwide Children's Hospital, Columbus, OH, USA, *2*Department of Otolaryngology - Head and Neck Surgery, Nationwide Children's Hospital and The Ohio State University Wexner Medical Center, Columbus, OH, USA, *3*Nationwide Children's Hospital, Columbus, OH, USA, *4*Division of Pediatric Surgery, Department of Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, USA, Columbus, OH, USA, *5*Department of Surgery, Division of Pediatric Surgery, Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, Columbus, OH, USA

QS35**INEQUITIES IN SURGICAL APPROACH: LAPAROSCOPIC VS OPEN PROCEDURES IN PEDIATRIC PATIENTS**

Jordan Besh, BS¹, Riley Brackin², Abbey Skinner³, Chris B. Agala⁴, Sean E. McLean, MD⁵

*1*University of North Carolina at Chapel Hill School of Medicine, Charlotte, NC, USA, *2*University of North Carolina at Chapel Hill School of Medicine, Chapel Hill, NC, USA, *3*Biostatistics Department at Gillings School of Public Health, Chapel Hill, NC, USA, *4*UNC Chapel Hill School of Medicine Surgery Dept., Chapel Hill, NC, NC, USA, *5*University of North Carolina- Chapel Hill, Chapel Hill, NC, USA

QS36**FROM SCHOOL TO SCALPEL: THE PEDIGREE AND PATHWAY OF THE PEDIATRIC SURGEON**

Alicia C. Greene, DO¹, Bill He, B.S.², Robert L. Ricca, MD, MPH³

*1*Penn State Hershey Medical Center, Hershey, PA, USA, *2*Pennsylvania State University College of Medicine, Hummelstown, PA, USA, *3*Pennsylvania State University, Hershey, PA, USA

QS37**THE RING OF FIRE: A HISTORICAL REVIEW OF CONTROVERSIES IN PEDIATRIC INGUINAL HERNIA REPAIR**

Elena M. Wilson, BS, BA¹, Zane J. Hellmann, MD², Matthew A. Hornick, MD²

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

QS38**HISTORY OF FETAL INTERVENTION FOR CONGENITAL DIAPHRAGMATIC HERNIA**

David A. Rosas, MD, MBA¹, Elizabeth M. Reynolds, MD², Jamie E. Anderson, MD, MPH³, Erin G. Brown, MD⁴, Diana Farmer, MD⁵

*1*University of California, Davis, San Jose, CA, USA, *2*University of California Davis Health, Sacramento, CA, USA, *3*University of California, Davis, Sacramento, CA, USA, *4*Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA, *5*UC Davis, Carmichael, CA, USA

QS39**AN IMPROVEMENT IN CARE: THE HISTORY AND CURRENT MANAGEMENT OF BLUNT RENAL TRAUMA**

Christopher J. Luschen, MD, Heather Grubbs, MD, Catherine Hunter, MD, FACS, FAAP

University of Oklahoma, Oklahoma City, OK, USA

S118**TO CUT OR TRANSFER? DELIVERY OF PEDIATRIC SURGICAL CARE TO OUTLYING NEONATAL INTENSIVE CARE UNITS – A NATIONAL SURVEY**

Shannon Acker, MD, MScS¹, Lindsey L. Wolf, MD, MPH², Jason C. Fisher, MD³, Sophia Schermerhorn, MPH MD⁴, Romeo C. Ignacio, MD MS MPath⁵, Mehul V. Raval, MD MS MBA⁶, Barrie S. Rich, MD⁷

*1*Children's Hospital of Colorado, Aurora, CO, USA, *2*University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock, AR, USA, *3*Hassenfeld Children's Hospital at NYU Langone, New York, NY, USA, *4*Naval Medical Center San Diego, San Diego, CA, USA, *5*Rady Children's Hospital San Diego, San Diego, CA, USA, *6*Lurie Children's Hospital of Chicago / Northwestern University, Chicago, IL, USA, *7*Feinstein/Northwell, Cohen Children's Medical Center, Queens, NY, Queens, NY, USA

Scientific Session 13: General/Thoracic

Bethany J. Slater, MD, MBA¹, Hira Ahmad, MD²

1Mount Sinai Hospital, New York, NY, USA, 2Rady Children's Health, Newport Beach, CA, USA

LEARNING OBJECTIVES: By the end of the presentation, attendees will be able to:

- Evaluate pain management options for patients undergoing surgery for pectus excavatum.
- Discuss approaches to management of pediatric spontaneous pneumothorax.

S119

ROBOTICS TO THE RESCUE: STREAMLINING CARE FOR KIDS WITH MEDIAN ARCUATE LIGAMENT SYNDROME

Alejandro O. Chara, MD¹, Vikas S. Gupta², Derek A. Riffert¹, Alan Hoang¹, Irving J. Zamora, MD, MPH, FACS³, Harold N. Lovvorn, MD⁴

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

S120

INTRAOPERATIVE CRYONEUROLYSIS IN CONJUNCTION WITH ERECTOR SPINAE PLANE BLOCKS DECREASE OPIOID USE AFTER ELECTIVE THORACOTOMY OR STERNOTOMY IN PEDIATRIC PATIENTS

David A. Rosas, MD, MBA¹, Kathleen Doyle², Jamie E. Anderson, MD, MPH², Erin G. Brown, MD³

1University of California, Davis, San Jose, CA, USA, 2University of California, Davis, Sacramento, CA, USA, 3Division of Pediatric Surgery, Department of Surgery, University of California Davis Children's Hospital, Sacramento, CA, USA, Sacramento, CA, USA

S121

ASSESSING PEDIATRIC FRAILTY: USE OF THE SURGICAL COMPLICATION INDEX FOR PEDIATRIC PATIENTS (SCIPP) SCORE TO PREDICT ADVERSE OUTCOMES FOLLOWING THORACIC SURGERY

Sage A. Vincent, MD¹, Lavanya Easwaran, MD, MPH², Suhong Tong, MS³, Jose Diaz-Miron, M.D.⁴, Eeshan Khurana, BS⁵, Catherine Mazzola, MD⁶, Shannon Acker, MD, MSc⁴

1Children's Hospital Colorado, Golden, CO, USA, 2University of Colorado, Plain City, OH, USA, 3University of Colorado Anschutz Medical Campus, Aurora, CO, USA, 4Children's Hospital of Colorado, Aurora, CO, USA, 5Sidney Kimmel Medical College, Philadelphia, PA, USA, 6New Jersey Pediatric Neuroscience Institute, Morristown, NJ, USA

S122

OPERATIVE DECISION-MAKING IN ESOPHAGEAL ATRESIA WITH RIGHT ARCH-BASED VASCULAR RINGS: IMPACT OF LATERALITY, MULTIDISCIPLINARY REPAIR, AND PREVENTION OF REOPERATION

Abdimajid Mohamed, MD¹, Valeria E. Ruiz-Santana, MD¹, Alex L. Huang, MD¹, Rosa S. Kim, MD², Lianne Cole, PhD, RN, CPNP¹, Somala Mohammed, MD³, Farokh R. Demehri, MD⁴, Christopher W. Baird¹, Benjamin Zendejas, MD, MSc⁴

1Boston Children's Hospital, Boston, MA, USA, 2Boston Children's Hospital, Georgetown University Hospital, Boston, MA, USA, 3Boston Children's Hospital, 4Boston Children's Hospital, Boston, MA, USA

S123

RISK BEYOND REPAIR: CHARACTERIZING RESPIRATORY MORBIDITY FOLLOWING ESOPHAGEAL ATRESIA AND TRACHEOESOPHAGEAL FISTULA REPAIR

Lena Papadakis¹, Leslie Knod, MD², Christopher Muratore, MD³, T. Bernard Kinane, MD¹, Cecily Peter¹, Shaun M. Kunisaki, MD, MSc⁴, Danielle B. Cameron, MD MPH⁵, Cornelia Griggs, MD, MPH⁶

1Massachusetts General Hospital, Boston, MA, USA, 2Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA, 3Boston Medical Center, Boston, MA, USA, 4Johns Hopkins, Baltimore, MD, USA, 5Mass General Brigham for Children, Massachusetts General Hospital, Boston, MA, USA, 6Harvard Medical School, Mass General Brigham, Boston, MA, USA

S124

TRACHEOPEXY IN CHILDREN WITH BRONCHOPULMONARY DYSPLASIA AND SEVERE TRACHEOBRONCHOMALACIA: DEFINING CLINICAL PHENOTYPES AND OUTCOMES

William Law, MD¹, Gary Visner, DO², Jonathan Levin, MD¹, Hester F. Shieh, MD³, Somala Mohammed, MD⁴, Farokh R. Demehri, MD⁵, Charles J. Smithers, MD⁶, Russell W. Jennings, MD⁷, Benjamin Zendejas, MD, MSc⁵, Brian Fallon, MD⁴

1Boston Children's Hospital, Boston, MA, USA, 2Boston Children's, Harvard Medical School, Boston, MA, USA, 3Johns Hopkins All Children's Hospital, St Petersburg, FL, USA, 4Boston Children's Hospital, 5Boston Children's Hospital, Boston, MA, USA, 6Johns Hopkins All Children's Hospital, Saint Petersburg, FL, USA, 7Johns Hopkins All Children's Hospital, St Petersburg, FL, USA

S125**OPTIMIZING MANAGEMENT OF PEDIATRIC PRIMARY SPONTANEOUS PNEUMOTHORAX: A PHIS ANALYSIS (PHASE 1 OF 4)**

April A. Carlson, MD¹, Alyssa Joachim, MD², Zoe E. Flyer, DO³, Annie Giron, MD, MS⁴, Avital Simone, MD⁵, Zhuo Chen, PhD⁶, Peter T. Yu, MD, MPH⁶

1Rady Children's Hospital of Orange County, Santa Ana, CA, USA, 2Children's Hospital of Orange County, La Jolla, CA, USA, 3Rady Children's Health Orange County, Orange, CA, USA, 4Children's Hospital of Orange County, Irvine, CA, USA, 5University of California, Irvine, Orange, CA, USA, 6Children's Hospital of Orange County, Orange, CA, USA

S126**DOES THE RESECTION MARGIN MATTER? THE RELATIONSHIP BETWEEN HISTOLOGIC FINDINGS AND RECURRENCE IN CHILDREN WITH SPONTANEOUS PNEUMOTHORAX**

Sophia Schermerhorn, MPH MD¹, Erin West, DO², Simone C. Hyman, MD³, Elaine Bao⁴, Suzanne Tucker⁴, Kun-Young Park, MD, PhD⁵, David A. Lazar, MD⁶, Timothy J. Fairbanks, MD⁷

1Naval Medical Center San Diego, San Diego, CA, USA, 2Department of Surgery, Naval Medical Center, San Diego, CA, USA, 3UCSD General Surgery, San Diego, CA, USA, 4Rady Children's Hospital San Diego, San Diego, CA, San Diego, CA, USA, 5Children's National Hospital, Washington, DC, USA, 6Division of Pediatric Surgery, Department of Surgery, University of California San Diego, San Diego, CA, USA, 7Division of Pediatric Surgery, Department of Surgery, University of California, San Diego, San Diego, CA, USA

S127**A MULTI-INSTITUTIONAL EVALUATION OF DISCHARGE OPIOID PRESCRIBING PRACTICES FOLLOWING MINIMALLY INVASIVE REPAIR OF PECTUS EXCAVATUM: ROOM FOR IMPROVEMENT**

Stephanie F. Brierley, MD¹, Jack H. Scaife, MD², Christopher Clinker, MD³, Andrew P. Bain, MD⁴, Rabab M. Barq, MD, MS⁵, Emily Byrd, MD PhD⁶, Stephanie D. Chao, MD⁷, Jose Diaz-Miron, M.D.⁸, Maya Gopalan⁹, Lorraine I. Kelley-Quon, MD MSHS¹⁰, Ryan Hare, BS¹¹, Simone C. Hyman, MD¹², Benjamin A. Keller, MD¹³, Sunghoon Kim, MD¹⁴, Dane K. Munar, BS¹⁵, Lauren Nicassio¹⁶, Samir R. Pandya, MD, MBA¹⁷, David H. Rothstein, MD, MS¹⁸, Marisa E. Schwab, MD⁷, Raphael C. Sun, MD¹⁹, Daniel J. Ostlie, MD²⁰, Katie W. Russell, MD²¹, Benjamin E. Padilla, MD¹

1Phoenix Children's Hospital, Phoenix, AZ, USA, 2Northwestern university, Chicago, IL, USA, 3University of California Davis, Sacramento, CA, USA, 4UT Southwestern Medical Center, Dallas, TX, USA, 5Virginia Commonwealth University Health, Richmond, VA, USA, 6Oregon Health & Science University, Portland, OR, USA, 7Stanford University School of Medicine, Palo Alto, CA, USA, 8Children's Hospital of Colorado, Aurora, CO, USA, 9Seattle Children's Hospital, Seattle, WA, USA, 10Children's Hospital Los Angeles/University of Southern California, Los Angeles, CA, USA, 11Phoenix Children's, Tempe, AZ, USA, 12UCSD General Surgery, San Diego, CA, USA, 13Rady Children's Hospital, San Diego, CA, USA, 14University of California, San Francisco, Oakland, CA, USA, 15Benioff Children's Hospital, Department of Pediatric Surgery, San Francisco, CA, USA, 16Phoenix Children's, Phoenix, AZ, USA, 17Children's Medical Center of Dallas, Dallas, TX, USA, 18Seattle Children's Hospital, University of Washington, Seattle, WA, Seattle, WA, USA, 19Oregon Health and Science University, Portland, OR, USA, 20Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 21University of Utah Health, Salt Lake City, UT, USA

S128**NON-OPERATIVE MANAGEMENT OF PEDIATRIC EMPYEMA**

Nadeen Alturki, MBChB¹, Jieun Lee, MD¹, Efua H. Bolouvi, MD¹, Tolulope Oyetunji, MD MPH², Shawn D. St. Peter, MD²

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

S129**IMPACT OF SURGICAL APPROACH ON EARLY GROWTH IN PRETERM INFANTS WITH SPONTANEOUS INTESTINAL PERFORATION**

Ellie Kim, BS, BA¹, Marissa Ray, MD, MS², Autumn Smith³, Colton G. Brown, MD⁴, Katie Huff, MD⁵, Laura Galganski, MD MAS¹

1Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 2Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 3Cincinnati Children's Hospital Medical Center, C, OH, USA, 4Cincinnati Children's Hospital Medical Center, University of Cincinnati College of Medicine, Cincinnati, OH, USA, 5Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

Scientific Session 14: General

Kim G. Wallenstein, MD, PhD¹, Diana Diesen, MD²

1SUNY Upstate Medical University, Syracuse, NY, USA, 2UT Southwestern, Dallas, TX, USA

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Compare outcomes of Nissen fundoplication and gastrojejunostomy tube placement in pediatric patients
- Identify national trends in age at Kasi surgery.

S130

POSTOPERATIVE ANTIBIOTIC CONTINUATION DOES NOT REDUCE INFECTIOUS COMPLICATIONS AFTER ELECTIVE PEDIATRIC OSTOMY REVERSAL: A NSQIP PEDIATRIC ANALYSIS

Chidiebere Onongaya, MD, MS¹, Eileen Peterson, MD¹, Anmol Nigam, MD¹, James Harmon Jr., MD, PhD¹, Randi Lassiter, MD²

1University of Minnesota, Minneapolis, MN, USA, 2University of Minnesota

S131

A MULTI-INSTITUTIONAL ANALYSIS OF FACTORS ASSOCIATED WITH EARLY ILEOCECTOMY IN PEDIATRIC CROHN'S DISEASE

Alex I. Halpern, MD¹, Reagan A. Collins, MD², Caitlin J. Cain-Trivette, MD³, Maxwell Blanch⁴, Swetha Jayavelu, MD⁵, Christopher Nemeh, MD⁶, Brooks Melnyk, MD⁷, Josélio Rodrigues de Oliveira Filho, MD⁴, Robert Goldstone, MD⁴, Afif N. Kulaylat, MD, MSc⁸, Kibileri Williams, MBBS⁹, Christina Feng, MD¹, Jennifer R. DeFazio, MD¹⁰, Cornelia Griggs, MD, MPH¹¹

1Children's National Hospital, Washington, DC, USA, 2Hospital of the University of Pennsylvania, Philadelphia, PA, USA, 3Columbia University- New York Presbyterian- Morgan Stanley Children's Hospital, New York, NY, USA, 4Massachusetts General Hospital, Boston, MA, USA, 5Penn State Health Milton S Hershey Medical Center, Hershey, PA, USA, 6Columbia University Medical Center, New York, NY, USA, 7New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA, 8Pennsylvania State University, University Park, PA, USA, 9Children's National Hospital, Washington DC, DC, USA, 10Columbia University, New York City, NY, USA, 11Harvard Medical School, Mass General Brigham, Boston, MA, USA

S132

MANAGEMENT OF INTRA-ABDOMINAL ABSCESES IN PEDIATRIC CROHN'S DISEASE

Annie Le-Nguyen, MD, MSc, FRCSC¹, Allan Garcia, MD¹, Naomi-Liza Denning, MD, PhD², Sarah J. Ullrich, MD, MHS³, Pooja S. Salvi, MD¹, Aaron P. Garrison, MD⁴, Beth A. Rymeski, DO⁵, Nelson Rosen, MD⁴, Jason S. Frischer, MD⁶

1Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 2Children's Mercy, Kansas City, MO, USA, 3Yale Department of Surgery, New Haven, CT, USA, 4Cincinnati Children's Hospital, Cincinnati, OH, USA, 5Cincinnati Children's Hospital, Cincinnati, OH, USA, 6Le Bonheur Children's Hospital, Memphis, TN, USA

S133

PILONIDAL CYST LASER EXTIRPATION (PCLE) IN ADOLESCENTS AND YOUNG ADULTS: A RETROSPECTIVE REVIEW OF A NOVEL, MINIMALLY INVASIVE TECHNIQUE FOR EFFECTIVE OUTPATIENT MANAGEMENT

Vatche J. Melkonian, DO¹, Natalie Herskovitz, n/a², Allen Kamrava, MD, MBA, FACS, FASCRS³

1Cedars Sinai Medical Center, Los Angeles, CA, USA, 2Cedars Sinai Medical Center, Beverly Hills, CA, USA, 3Cedars Sinai Medical Center, Beverly Hills, CA, USA

S134

COMPARISON OF NISSEN FUNDOPLICATION AND GASTROJEJUNOSTOMY TUBE PLACEMENT: A COST AND OUTCOMES ANALYSIS USING A MULTI-INSTITUTIONAL DATABASE

Annie Giron, MD, MS¹, Zoe E. Flyer, DO², Zhuo Chen, PhD³, Yigit S. Guner, MD, MSc⁴, Hira Ahmad, MD⁵

1Children's Hospital of Orange County, Irvine, CA, USA, 2Rady Children's Health Orange County, Orange, CA, USA, 3Children's Hospital of Orange County, Orange, CA, USA, 4Children Hospital of Orange County, Orange, CA, USA, 5Rady Children's Health, Newport Beach, CA, USA

S135

CULTURED THYMUS TISSUE IMPLANTATION FOR CONGENITAL ATHYMIA: SURGICAL OUTCOMES AND DOSE-EFFECT ANALYSIS

Felix Rafael De Bie, MD, PhD, MBE¹, Elizabeth McCarthy², Guglielmo Venturi², Jie Li², Beth Shaz, MD MBA², Elisabeth Tracy, MD³, Tamara N. Fitzgerald, MD⁴, John Sleasman, MD², Ryan M. Antiel, MD, MS⁴

1Duke University Health Systems, Durham, NC, USA, 2Duke University Health System, Durham, NC, USA, 3Division of Pediatric Surgery, Department of Surgery, University of North Carolina Children's Hospital, University of North Carolina at Chapel Hill, Chapel Hill, NC, Chapel Hill, NC, USA, 4Duke University Medical Center, Durham, NC, USA Children's Health, Newport Beach, CA, USA

S136**NATIONAL TRENDS IN AGE AT KASAI FOR INFANTS WITH BILIARY ATRESIA, 2005-2025**

Alexandra Highet, MD¹, Johanna Borst, MD², Catherine Lee, MD, Susan Gutierrez³, Allison Foy⁴, Lan Vu, MD⁵, Jennifer Lai³, Sandy Feng³, Mehul V. Raval, MD MS MBA⁶, Sharad Wadhvani, MD MPH³

1UCSF, San Francisco, CA, USA, 2Department of Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; Division of Pediatric Surgery, Department of Surgery, Northwestern University Feinberg School of Medicine, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, Chicago, IL, USA, 3University of California, San Francisco, San Francisco, CA, USA, 4Children's Hospital Association, Lenexa, KS, USA, 5University of California San Francisco, San Francisco, CA, USA, 6Lurie Children's Hospital of Chicago / Northwestern University, Chicago, IL, USA

S137**LONG-TERM OUTCOMES FOLLOWING MESO-REX BYPASS WITH DIFFERENT INITIAL CONDUITS: A 25-YEAR INSTITUTIONAL EXPERIENCE OF 200 PATIENTS**

David F. Grabski, MD PhD¹, Lisa Keys, NP², Jordan Perrott, MS³, Timothy B. Lautz, MD⁴, Riccardo Superina, MD⁵

1Northwestern University School of Medicine and Lurie Children's Hospital, Chicago, IL, USA, 2Lurie Children's Hospital, Chicago, IL, USA, 3Division of Transplant and Advanced Hepatobiliary Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 4Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 5Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

S138**SURGICAL MANAGEMENT OF HEPATOBLASTOMA WITH MAJOR VASCULAR INVOLVEMENT: A CASE SERIES OF EXTENDED HEPATECTOMIES WITH VASCULAR RECONSTRUCTION OR REPAIR**

David F. Grabski, MD PhD¹, **Rahul Burra, B.A.²**, Lisa Keys, NP³, Jordan Perrott, MS⁴, Timothy B. Lautz, MD⁵, Riccardo Superina, MD⁶

1Northwestern University School of Medicine and Lurie Children's Hospital, Chicago, IL, USA, 2Feinberg School of Medicine at Northwestern University, Chicago, IL, USA, 3Lurie Children's Hospital, Chicago, IL, USA, 4Division of Transplant and Advanced Hepatobiliary Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 5Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 6Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

S139**FROM ASPIRATION TO ATTRITION: A QUALITATIVE STUDY OF GENERAL SURGERY RESIDENTS' CAREER DECISIONS AWAY FROM PEDIATRIC SURGERY**

Nicole M. Santucci, MD, MAEd, MPHS¹, John M. Woodward, MD², Michael A. Kochis, MD, EdM³, Matthew T. Grant, MD, MPhil⁴, Madeleine Yancy, BS⁵, Patrick A. Dillon, MD⁶, Colin Martin, MD¹, Kathryn J. Rowland, MD, MPHS⁷

1Washington University in St Louis, St Louis, MO, USA, 2University at Buffalo General Surgery, Buffalo, NY, USA, 3Massachusetts General Hospital, Boston, MA, USA, 4Washington University in St. Louis, St. Louis, MO, USA, 5Washington University in St. Louis, Saint Louis, MO, USA, 6St. Louis Children's Hospital, St. Louis, MO, USA, 7Washington University School of Medicine, St. Louis, MO, USA

Scientific Session 15: Education and Innovation**Moderators**

Steven L. Lee, MD, MBA, *Seattle Children's Hospital, University of Washington School of Medicine, Seattle, WA, USA*
Rob Baird, MD CM MSc, *Division of Pediatric Surgery, British Columbia Children's Hospital, University of British Columbia, Vancouver, BC, Canada*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Evaluate the impact of coaching on pediatric surgical trainees.
- Examine why residents choose not to pursue pediatric surgical fellowship.

S140**PREFERENCING SIGNALING FOR PEDIATRIC SURGERY FELLOWSHIP: PERSPECTIVES OF PROGRAM DIRECTORS AND APPLICANTS**

John M. Woodward, MD¹, Michael A. Kochis, MD, EdM², Irving J. Zamora, MD, MPH, FACS³, Eunice Y. Huang, MD, MS⁴, Janice A. Taylor, MD⁵, Samantha Ahle, MD, MHS⁶, Benjamin Zendejas, MD, MSc⁷, Nicole M. Santucci, MD, MAEd, MPHS⁸

1University at Buffalo General Surgery, Buffalo, NY, USA, 2Massachusetts General Hospital, Boston, MA, USA, 3Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA, 4Vanderbilt University Medical Center, Nashville, TN, USA, 5University of Florida, Gainesville, FL, USA, 6Warren Alpert Medical School of Brown University, Providence, RI, USA, 7Boston Children's Hospital, Boston, MA, USA, 8Washington University in St Louis, St Louis, MO, USA

S141**ADDRESSING PEDIATRIC SURGERY TRAINEE AUTONOMY: EXPERIENCES FROM A LIVE, PIG-BASED MINIMALLY INVASIVE SIMULATION WORKSHOP**

Colleen P. Nofi, DO, PhD, MBA, MSc¹, Julia Haft, MD², Naina Bagrodia, MD³, John D. Stratigis, MD, MEd³

1Cohen Children's Medical Center, Northwell Health, Manhasset, NY, USA, 2North Shore/Long Island Jewish Medical Center, Northwell Health, Queens, NY, USA, 3Cohen Children's Medical Center at Northwell Health, Queens, NY, USA

S142**COACHING IN SURGICAL TRAINING: A FIVE-YEAR STUDY OF WELLNESS, RESILIENCE, AND BURNOUT IN PEDIATRIC SURGERY**

Monique Motta, MD¹, Holly L. Neville, MD², Katlyn G. McKay, MD³, Rebecca A. Saberi, MD, MSPH⁴, Azalia Avila, MD⁵, Kerri Palamara, MD⁶, Danielle Katz, MPH⁷, Eunice Y. Huang, MD, MS³

1Memorial Healthcare System, Pembroke Pines, FL, USA, 2Joe DiMaggio Children's Hospital, Memorial healthcare, Hollywood, FL, USA, 3Vanderbilt University Medical Center, Nashville, TN, USA, 4University of Utah Primary Children's Hospital, Salt Lake City, UT, USA, 5Connecticut Children's Medical Center, Hartford, CT, USA, 6Massachusetts General Hospital, Department of Medicine, Boston, MA, USA, 7Memorial Healthcare system, Hollywood, FL, USA

S143**THE COACH PERSPECTIVE: UNDERSTANDING THE IMPACT OF POSITIVE PSYCHOLOGY ON PEDIATRIC SURGEON COACHES**

Katlyn G. McKay, MD¹, Eunice Y. Huang, MD, MS¹, Monique Motta, MD², Rebecca A. Saberi, MD, MSPH³, Azalia Avila, MD⁴, Kerri Palamara, MD⁵, Danielle Katz, MPH⁶, Holly L. Neville, MD⁷

1Vanderbilt University Medical Center, Nashville, TN, USA, 2Memorial Healthcare System, Pembroke Pines, FL, USA, 3University of Utah Primary Children's Hospital, Salt Lake City, UT, USA, 4Connecticut Children's Medical Center, Hartford, CT, USA, 5Massachusetts General Hospital, Department of Medicine, Boston, MA, USA, 6Memorial Healthcare system, Hollywood, FL, USA, 7Joe DiMaggio Children's Hospital, Memorial healthcare, Hollywood, FL, USA

S144**IMPACT OF IMPLEMENTATION OF AN E-HEALTH PLATFORM OF PERIOPERATIVE EDUCATION FOR FAMILIES OF CHILDREN UNDERGOING GASTROSTOMY TUBE PLACEMENT ON PATIENT OUTCOMES**

Catherine Dawson-Gore, MD, MSc¹, Ana Ibarra, B.S.², Lavanya Easwaran, MD, MPH³, Claudia Mata, MPH⁴, Hope Simmons, NP¹, Elise Van Etten¹, Jose Diaz-Miron, M.D.⁵, Jill L. Kaar, PhD⁶, Shannon Acker, MD, MSCS⁵

1Children's Hospital Colorado, Aurora, CO, USA, 2University of Colorado, Aurora, CO, USA, 3University of Colorado, Plain City, OH, USA, 4University of Colorado Anschutz Medical Campus | Children's Hospital Colorado, Aurora, CO, USA, 5Children's Hospital of Colorado, Aurora, CO, USA, 6University of Colorado Anschutz Medical Campus, Aurora, CO, USA

S145**HOLOUS: AN AUGMENTED REALITY TOOL FOR VASCULAR ACCESS DURING CENTRAL LINE INSERTION**

Alex I. Halpern, MD¹, Daragh Crowley, PhD¹, Lowell A. Lobo, BE MEng¹, Trong N. Nguyen, PhD², Morgan Lee, DNP, FNP-C¹, Elisabeth Meagher, CPNP-AC/PC¹, Timothy Kane, MD¹, Bhupender Yadav, MD¹, Ranjith Vellody, MD¹, Karun V. Sharma, MD PhD¹, Raj Shekhar, PhD¹

1Children's National Hospital, Washington, DC, USA, 2Auscultech Dx, Silver Spring, MD, USA

S146**THE VALIDATION OF A NON-INVASIVE PREMATURE INFANT MONITORING PROBE (PREMO) FOR BLOOD PRESSURE ASSESSMENT IN A FETAL LAMB MODEL**

Daniel R. Liesman, MD¹, Jianlin Zhou, PhD², Amanda Dicks³, Steven T. Papastefan, MD⁴, Changgen Chen¹, Meadow K. Wales², Steffen Sammet, MD, PhD⁵, Amir Alhajjat, M.D.⁴, John Rogers¹, Aimen Shaaban, MD⁶

1Northwestern University, Chicago, IL, USA, 2Northwestern University, Evanston, IL, USA, 3Ann and Robert H. Lurie Children's Hospital, Chicago, IL, USA, 4Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, 5University of Chicago, Chicago, IL, USA, 6Lurie Children's Hospital of Chicago, Chicago, IL, USA

S147**MERMAID MAGIC: USE OF ACELLULAR FISH SKIN SUBSTITUTE IN PEDIATRIC BURN MANAGEMENT**

Madison Baldauf, BS¹, Rhiannon Torres, BS², Katherine Davenport, MD³, Natalie A. O'Neill, MD²

1Macon and Joan Brock Virginia Health Sciences Eastern Virginia Medical School at Old Dominion University, Norfolk, VA, USA, 2Children's Hospital of The King's Daughters, Norfolk, VA, USA, 3Children's Hospital of the King's Daughters, Norfolk, VA, USA

S148

A LOW-COST BIOABSORBABLE BOWEL STAPLER PROTOTYPE FOR NEONATAL INTESTINAL SURGERY: DEVELOPMENT AND PILOT TESTING IN IRAQ

Hashim Manea, MD, PhD¹, Fatimah Badri, MBChB2

1Oregon Health and Science University, Portland, OR, USA, 2Qal'at Sukkar General Hospital, Thi Qar, Iraq, Nassiriyah, Dhi Qar, Iraq

S149

RESISTANCE-BASED PHENOTYPING OF MICROBIOTA IDENTIFIES A HARD-TO-TREAT CLUSTER ASSOCIATED WITH POOR OUTCOMES IN PERFORATED APPENDICITIS

Korry T. Wirth, MD, MS¹, Abigail F. Loszko, MD, MSc¹, Matthew M. Byrne, MD¹, Derek S. Wakeman, MD², Martin S. Pavelka, PhD³, Timothy M. Baran, PhD³, Nicole A. Wilson, PhD, MD⁴

1University of Rochester Medical Center, Rochester, NY, USA, 2University of Rochester Medical Center, Golisano Children's Hospital, Rochester, NY, USA, 3University of Rochester- School of Medicine and Dentistry, Rochester, NY, USA, 4The University of Oklahoma, Oklahoma City, OK, USA

Scientific Session 16: Basic Science

Moderators

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

Jason O. Robertson, MD, MS, *Cleveland Clinic Children's, Cleveland, OH, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Appraise emerging data on the impact of gut serotonin signaling on systemin and neurological inflammation associated with brain injury.
- Discuss the molecular mechanism by which doxorubicin impacts neuroblastoma.

S150

THE INTESTINAL MICROBIOTA OF MECONIUM IN NEONATES WITH CONGENITAL MALFORMATIONS: CHARACTERISTICS ASSOCIATED WITH GASTROINTESTINAL ATRESIA

Kazuto Suda, MD, PhD¹, Ayaka Fukada, MD, Hiroko Watayo, MD, PhD², Asuka Ishiyama¹, Yurina Nishimura, MD², Takanori Ochi, MD, PhD³, Hiroki Goto, MD², Junya Ishii, MD, PhD², Yuka Yamamoto, MD, PhD⁴, Shin Watanabe, MD, PhD⁵, Atsuyuki Yamataka, MD, PhD⁶, Go Miyano, MD¹

1Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan, Bunkyo, Tokyo, Japan, 2Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan., Tokyo, Tokyo, Japan, 3Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Tokyo, Japan, 4Department of Obstetrics and Gynecology, Juntendo University School of Medicine, Tokyo, Japan, Tokyo, Tokyo, Japan, 5Department of Emergency Medicine, Juntendo University School of Medicine, Tokyo, Japan, Tokyo, Tokyo, Japan, 6Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan, Tokyo, Tokyo, Japan

S151

RESTORING GUT SEROTONIN SIGNALING ATTENUATES SYSTEMIC AND NEUROLOGICAL INFLAMMATION IN A MURINE TRAUMATIC BRAIN INJURY MODEL

Leonard Lawandos, MD¹, Mahmoud El Baassiri, MD², Raina M. Parikh, MD, MPH¹, William B. Fulton, MS³, Chhinder P. Sodhi, PhD³, David J. Hackam, MD, PhD³, Isam W. Nasr, MD⁴

1Johns Hopkins University School of Medicine, Baltimore, MD, USA, 2University of Pittsburgh Medical Center, Pittsburgh, PA, USA, 3Johns Hopkins Children's Center, Baltimore, MD, USA, 4Division of Pediatric Surgery, Johns Hopkins School of Medicine, Baltimore, MD, USA

S152

PP2A ACTIVATION ENHANCES DOXORUBICIN EFFICACY IN NEUROBLASTOMA THROUGH MODULATION OF DRUG EFFLUX TRANSPORTERS

Morgan L. Brown, MD¹, Nazia Nazam, PhD¹, Maryam shaikh, PHD², Ali M. Eakes, MD, MPH³, Pranava Nande, MBBS¹, Joel Opara, MS⁴, Michael Ohlmeyer, PhD⁵, Elizabeth A. Beierle, MD¹

1University of Alabama at Birmingham, Birmingham, AL, USA, 2University of Alabama at Birmingham, Birmingham, AL, USA, 3Children's of Alabama, University of Alabama at Birmingham, Birmingham, AL, USA, 4University of Alabama at Birmingham, BIRMINGHAM, AL, USA, 5Atux Iskay LLC, Plainsboro, NJ, USA

S153

ACETAMINOPHEN EXPOSURE DRIVES SENESCENT PATHWAY ACTIVATION IN PULMONARY EPITHELIAL CELL LINE

Durganili Balasubramaniyan, DO, MPH¹, Natarajan Balasubramaniyan, PhD², Lijun Zheng³, Mack Solar², S. Christopher Derderian, MD⁴, Clyde Wright, MD⁵

1NewYork-Presbyterian Queens, Flushing, NY, USA, 2University of Colorado Anschutz Medical Campus, Aurora, CO, USA, 3University of Colorado Anschutz Medical Campus, Aurora, NY, USA, 4Children's Hospital of Colorado, Denver, CO, USA, 5University of Colorado, Aurora, CO, USA

S154

STROMAL CELL SUBTYPES CONTRIBUTE TO ABERRANT EXTRACELLULAR MATRIX IN HIRSCHSPRUNG DISEASE

Dorothy Lee, PhD, Jieli Yang, Bo Li, PhD, Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP

The Hospital for Sick Children, Toronto, ON, Canada

S155

CRYPT EXPANSION IN DISTANT BOWEL INDUCED BY DISTRACTION ENTEROGENESIS

Carly J. Celebrezze, MD, MSc¹, Anne-Laure A. Thomas, MS², Helene Miranda L. Nepomuceno, MD³, Pamela Emengo, MD⁴, Gillian L. Fell, MD, PhD⁵, James C.Y. Dunn, MD PhD⁶, Siavash Shariatzadeh, MD, MPH, MBA⁷

1Stanford University, MENLO PARK, CA, USA, 2Stanford University, Stanford, CA, USA, 3Stanford University, Palo Alto, CA, USA, 4Stanford, Palo Alto, CA, USA, 5Stanford University School of Medicine, Lucile Packard Children's Hospital, Palo Alto, CA, USA, 6Stanford University, Palo Alto, CA, USA, 7Stanford University School of Medicine, PALO ALTO, CA, USA

S156

MECHANICAL FORCE DRIVES INTESTINAL EPITHELIAL GROWTH THROUGH A DISTINCT PROGENITOR-INDUCING MECHANOSENSITIVE PROGRAM

Siavash Shariatzadeh, MD, MPH, MBA¹, Martin Martin², James C.Y. Dunn, MD PhD³

1Stanford University School of Medicine, PALO ALTO, CA, USA, 2UCLA, Los Angeles, CA, USA, 3Stanford University, Palo Alto, CA, USA

S157

DEFINING THE FORCE-INJURY PROFILE FOR RETRIEVAL OF ESOPHAGEAL BUTTON BATTERIES: AN EX VIVO PORCINE MODEL

Allison B. Frederick, MD¹, Aaron J. Cunningham, MD²

1Medical University of South Carolina, Johns Island, SC, USA, 2Medical University of South Carolina, Charleston, SC, USA

SOAPPS Track: Potpourri of Pathways: Solid Organ Injury, Button Battery, Magnet Ingestion, GT, Appendicitis

1:45 p.m. – 2:30 p.m

Moderators

Katy Noonan, PA-C, *Cohen Children's Medical Center, Northwell Health, Port Washington, NY, USA*

Meghan Shackelford, CPNP-AC, *Johns Hopkins Children's Center, Baltimore, MD, USA*

Lauren Kanamori, RN, MSN, CPNP, *Rady Children's Health of Orange County, Cypress, CA, USA*

Christen Parnell, DNP, APRN, CPNP-PC/AC, *Le Bonheur Children's Hospital, Bartlett, TN, USA*

Layna Blurton, CPNP, *UCSF Benioff Children's Hospital Oakland, Mill Valley, CA, USA*

Grace Gryzlo

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss evidence-based practice and standardized care in pediatric surgery.

Optimizing Nutrition in Premature Infants with Enterostomies: Growth Outcomes, Standardized Feeding Advancement, and Refeeding Strategies

2:30 p.m. – 3:00 p.m

Moderators

Melissa M. Matthews, MSN, APRN, PCNS-BC, CPNP-AC, *Vanderbilt University Medical*

Sage A. Vincent, MD, *Children's Hospital Colorado, Golden, CO, USA*

Stephanie Fingland, DNP, *Children's Hospital of Colorado, Parker, CO, USA*

Kimberly Vollrath, RD Center, *Franklin, TN, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe the clinical characteristics of extremely low birth weight (ELBW) and very low low birth weight (VLBW) infants with enterostomies, as well as unique nutritional needs of this population.
- Analyze growth trends in ELBW and VLBW infants with enterostomies and evaluate the potential impact of mucous fistula refeeding on growth outcomes.
- Assess the relationship between age or weight at stoma closure and postoperative complication rates.
- Apply a proposed standardized feeding advancement algorithm to support optimal nutrition in ELBW and VLBW infants with enterostomies.
- Illustrate practical techniques and clinical considerations for mucous fistula refeeding in neonates.
- Evaluate complex clinical scenarios involving feeding intolerance or refeeding challenges and identify troubleshooting strategies.

2025 Education Grant - The Just-in-Time Educational Collective: Development of a Novel Tool to Improve Surgeon Readiness for Rare Diseases

2:50 p.m. – 3:00 p.m

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

Laura A. Boomer, MD, *Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA*

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

Breakout: Defining the Floor of Safety: National Consensus Standards for Pediatric Surgical Coverage and Transfers

3:30 p.m. – 4:15 p.m

Mary E. Fallat, MD, *Hiram C. Polk, Jr., M.D. Department of Surgery, University of Louisville, Louisville, KY, USA*

Kenneth W. Gow, MD, MHA, *Stony Brook Children's Hospital, Stony Brook, NY, USA*

Mehul V. Raval, MD MS MBA, *Lurie Children's Hospital of Chicago / Northwestern University, Chicago, IL, USA*

David A. Klima, MD, *St. Luke's Children's Hospital, Boise, ID, USA*

Erika A. Newman, MD, *C. S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, USA, Ann Arbor, MI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe key sources of variability in pediatric surgical workforce and coverage models across practice environments (academic, community, and mixed settings).
- Evaluate the applicability of emerging workforce standards to pediatric surgery, including limitations of fixed metrics and the need for context-specific modifiers.
- Identify critical factors that determine safe pediatric surgical practice environments, including resource availability, coverage structure, and call burden.
- Contribute structured input to inform a national Delphi consensus process, aimed at defining the “floor of safety” for pediatric surgical coverage and broad workforce standards.

Breakout: Innovation in Fetal Therapy: Regulatory Landscape and Best Practices

3:30 p.m. – 4:15 p.m

Chat Monitor

Marisa E. Schwab, MD, *Stanford University School of Medicine, Palo Alto, CA, USA*

Cory N. Criss, MD, *Nationwide Children's Hospital, Columbus, OH, USA*

Diana Farmer, MD, *UC Davis, Carmichael, CA, USA*

Sundeeep G. Keswani, MD, MBA, FACS, FAAP, *Baylor College of Medicine and Texas Children's Hospital, Bellaire, TX, USA*

George B. Mychaliska, MD, *University of Michigan, Ann Arbor, MI, USA*

Shaun M. Kunisaki, MD, MSc, *Johns Hopkins, Baltimore, MD, USA*

Claire M. Wunker, MD, MSc, *Saint Louis University, St Louis, MO, USA*

Rakesh R. Gurrula, MD MBA, *Children's Mercy – Kansas City, Kansas City, MO, USA*

Mary Elizabeth Guerra, MD, *Baylor College of Medicine, Houston, TX, USA*

Michael Sobolic, MD, *Corewell Health William Beaumont University Hospital, Royal Oak, MI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To understand best practices for navigating the regulatory landscape governing innovative medical treatments and surgical approaches in fetal therapy.

Breakout: Unique Challenges and Opportunities in Caring for Adolescent and Young Adult (AYA) Patients with Cancer

3:30 p.m. – 4:15 p.m

Moderators

Timothy B. Lautz, MD, *Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA*

Emily R. Christison-Lagay, MD, *Yale New Haven Children's Hospital, New Haven, CT, USA*

Kathryn J. Rowland, MD, MPH, *Washington University School of Medicine, St. Louis, MO, USA*

Danielle B. Cameron, MD MPH, *Mass General Brigham for Children, Massachusetts General Hospital, Boston, MA, USA*

Brittany L. Johnson, MD, *University of Michigan, Ann Arbor, MI, USA*

Laura A. Boomer, MD, *Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To raise awareness regarding the unique challenges that adolescent and young adult (AYA) patients face and why they should be considered separately (differences in survival psychosocial support, financial toxicity, oncofertility counseling and tumor biology)
- Highlight the advantages of collaborative care team models, access to adult world technology, and combined expertise of pediatric and adult care teams (e.g. clinical trial enrollment, improved biobanking, etc)
- Discuss the ethical considerations unique to this patient population with regard to assent/consent, delivering the optimal care with competing systemic challenges, equity in access to care, etc.

SOAPPS Track: Skills and Simulations

3:30 p.m. – 4:30 p.m

Moderators

Cindy L. McManaway, FNP, *Nationwide Children's Hospital, Columbus, OH, USA*

Meghan Shackelford, CPNP-AC, *Johns Hopkins Children's Center, Baltimore, MD, USA*

Claire Abrajano, MSN, RN, WOCN, RNFA, CPNP-PC, *Stanford Medicine Children's Health, Palo Alto, CA, USA*

Kelly Hoose, PA-C

Brandi Farrell, DNP, CPNP-AC/PC

Melisa Hill

Shelby R. Sferra, MD, MPH, *Johns Hopkins University, Baltimore, MD, USA*

Vatche J. Melkonian, DO, *Cedars Sinai Medical Center, Los Angeles, CA, USA*

Julia Smith

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Station-based surgical skills simulations

Workshop: "My Worst Complication"

3:30 p.m. – 4:15 p.m

Moderators

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

Steven Stylianios, MD, *Rutgers RWJMS - Bristol Myers Squibb Children's Hospital RWJBH, New Brunswick, NJ, USA*

Loren Berman, MD, *Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*

Craig W. Lillehei, MD, *Boston Children's Hospital, Harvard Medical School, Boston, MA, USA*

Kathleen van Leeuwen, MD, *UC Davis Children's Hospital, Sacramento, CA, USA*

Barbara A. Gaines, MD, *UT Southwestern Medical Center, Dallas, TX, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To normalize the experience of struggling in the wake of a surgical complication and share effective coping strategies.

Workshop: Beyond the Simulator: Instructional Design Strategies to Maximize Learning in Pediatric Surgical Simulation

3:30 p.m. – 4:15 p.m

Nicole M. Santucci, MD, MAEd, MPHS, *Washington University in St Louis, St Louis, MO, USA*

Irving J. Zamora, MD, MPH, FACS, *Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA*

Benjamin Zendejas, MD, MSc, *Boston Children's Hospital, Boston, MA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Participants will be able to apply principles of instructional design, learning theory, and deliberate practice to both design and effectively participate in simulation-based teaching sessions in pediatric surgery, independent of simulator complexity.

Workshop: Updates on Vascular Anomalies

3:30 p.m. – 4:15 p.m

Dean M. Anselmo, MD, *Children's Hospital Los Angeles, Los Angeles, CA, USA*

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

Ana R. Do, MD, *University of Florida, Gainesville, FL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Review the most clinically relevant updates in the ISSVA classification of vascular anomalies.
- Evidence-based management strategies, including surgery, sclerotherapy, laser, and medical therapy (e.g., sirolimus, targeted agents)
- Approaches to challenging or controversial cases

Breakout: Advocacy by Amplification: Leveraging Media and Public Engagement to Advance Pediatric Surgery and Health Policy

4:25 p.m. – 5:10 p.m

Moderators

Amanpreet Brar, MD, *University of British Columbia, Vancouver, BC, Canada*

Kenneth W. Gow, MD, MHA, *Stony Brook Children's Hospital, Stony Brook, NY, USA*

Chethan Sathya, MD MSc, *Cohen Children's Medical Center at Hofstra Northwell, Roslyn, NY, USA*

Todd Ponsky, MD, *Cincinnati Children's Hospital Medical Center, Pepper Pike, OH, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Participants will learn strategies to amplify pediatric surgical advocacy through strategic media engagement, digital platforms, and public communication to influence health policy, educate, and enhance patient outcomes.

Breakout: Collaborative Care in Pediatric Radiology and Pediatric Surgery: Discussions on Timing of Intussusception Reduction and Imaging Modalities in the Diagnosis of Midgut Volvulus

4:25 p.m. – 5:10 p.m

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

Grace Z. Mak, MD, *The University of Chicago Pritzker School of Medicine, Chicago, IL, USA*

Kevin P. Boyd, DO, *Children's Wisconsin, Medical College of Wisconsin, Milwaukee, WI, USA*

Colin Brown, MD, *University of Chicago, Wilmette, IL, USA*

Charlotte Kvasnovsky, MD PhD MPH, *University of Chicago, Chicago, IL, USA*

Jieun Lee, MD, *Children's Mercy Kansas City, Kansas City, MO, USA*

Rakesh R. Gurralla, MD MBA, *Children's Mercy – Kansas City, Kansas City, MO, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss the optimal timing of ileocolic intussusception reduction.
- Discuss the role of different diagnostic modalities in malrotation and midgut volvulus.

Breakout: Matched, but not Equal: Addressing Gender Gaps in Pediatric Surgical Practice

4:25 p.m. – 5:10 p.m

April A. Carlson, MD, *Rady Children's Hospital of Orange County, Santa Ana, CA, USA*

Hannah Cockrell, MD, *University of Pittsburgh Medical Center, Pittsburgh, PA, USA*

Laura A. Boomer, MD, *Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA*

Helen Hsieh, MD, PhD, *Stony Brook Children's Hospital, Stony Brook, NY, USA*

Erin Garvey, MD, *Phoenix Children's, Phoenix, AZ, USA*

Morgan K. Richards, MD, MPH, *St. Luke's Health System, Boise, ID, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Define the current gaps in gender equity in pediatric surgery.
- Describe why gender equity matters.
- Explore initiatives to achieve equity and opportunities to make a difference.

Breakout: Pediatric Vascular Trauma: Frontline Decision-Making, Modern Techniques, and a Multidisciplinary Path to Optimal Outcomes

4:25 p.m. – 5:10 p.m

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

Rachel Landisch, MD, *Le Bonheur Children's Hospital, University of Tennessee Health Science Center, Memphis, TN, USA*

Mohammed Moursi, MD, *Le Bonheur Hospital, University of Tennessee Health & Science Center, Little Rock, AR, USA*

Michael W. Dingeldein, MD, *Rainbow Babies and Children Hospital, Cleveland, OH, USA*

Charles S. Cox, MD, *McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Apply contemporary evaluation and decision-making algorithms.
- Compare open vs. endovascular repair strategies.
- Build multidisciplinary care pathways.

Workshop: Ethical Implications in the Decision for Surgical Management of Pneumoperitoneum in Nano-Premature Babies

4:25 p.m. – 5:10 p.m

Courtney J. Harris, MD, *Maynard Children's Hospital at East Carolina University, Greenville, NC, USA*

Liese C. C Pruitt, MD, MScI, *Nemours Children's Hospital, Wilmington, DE, USA*

Alexa Robbins, MD, *University of Minnesota, Minneapolis, MN, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss the ethical implications in the decision for surgical management in nano-premature babies who have pneumoperitoneum, paying particular attention to therapeutic vs nontherapeutic interventions, parental decision making, long-term prognosis and moral distress for providers.

Workshop: Operating with Honesty: Transforming Feedback into Growth

4:25 p.m. – 5:10 p.m

Holly L. Neville, MD, *Joe DiMaggio Children's Hospital, Memorial healthcare, Hollywood, FL, USA*

Eunice Y. Huang, MD, MS, *Vanderbilt University Medical Center, Nashville, TN, USA*

Katlyn G. McKay, MD, *Vanderbilt University Medical Center, Nashville, TN, USA*

Monique Motta, MD, *Memorial Healthcare System, Pembroke Pines, FL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To equip participants with the skills necessary to deliver and receive constructive feedback effectively, fostering an environment of compassionate communication that promotes personal growth and strengthens professional relationships.

Workshop: So You Want to be a Pediatric Surgeon

4:25 p.m. – 5:10 p.m

Clint D. Cappiello, MD FACS FAAP, *The University of North Carolina-Chapel Hill, Chapel Hill, NC, USA*

David Darcy, MD, *Golisano Children's Hospital, University of Rochester Medical Center, Rochester, NY, USA*

Prathima Nandivada, MD, *Boston Children's Hospital, Boston, MA, USA*

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

Donald J. Lucas, MD, MPH, *Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA*

Vatche J. Melkonian, DO, *Cedars Sinai Medical Center, Los Angeles, CA, USA*

Shelby R. Sferra, MD, MPH, *Johns Hopkins University, Baltimore, MD, USA*

Manish Raiji, MD, *University of Chicago, Chicago, IL USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Students and trainees attending this session will gain insight into the training pathway and key competencies required to pursue a career in pediatric surgery, including critical milestones in general surgery residency, fellowship expectations, and strategies for building a competitive application.
- Students and trainees will identify opportunities for productive academic development along both the traditional research pathway and emerging avenues that have yielded a successful match result for a career in pediatric surgery.

SOAPPS Track: APP Fellowship Panel

4:30 p.m. – 5:00 p.m

Moderators

Richele Koehler, MSPAS, DMSc, PA-C, *Children's Hospital Colorado/University of Colorado School of Medicine, Aurora, CO, USA*

Anais Andara, PA-C, *Nemours Children's Health, Orlando, FL, USA*

Raji Koppolu, DNP, MSL, CPNP-PC/AC, NPD-BC, FAAN, *Stanford Medicine Children's Health, San Mateo, CA, USA*

Amelia Cataldo, DNP, RN, CPNP-AC, CCRN, *Memorial Sloan Kettering Cancer Center, New York, NY, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss the development and maintenance of APP Fellowship Programs

Breakout: (SOAPPS) Pectus Excavatum and Pectus Carinatum Management

8:00 a.m. – 8:45 a.m

Tara L. Kempker, MSN, APRN, PPCNP-BC, *University of Missouri Health Care Children's Hospital, Columbia, MO, USA*
Amy L. Pierce, MSN APRN PPCNP-BC, *Children's Mercy Hospital, Leawood, KS, USA*
Beth A. Orrick, APRN FNP-BC, *Children's Mercy Hospital, Overland Park, KS, USA*
Cindy L. McManaway, FNP, *Nationwide Children's Hospital, Columbus, OH, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Pectus Excavatum postoperative regimen- ERAS, PT inpatient vs outpatient and Pectus Carinatum bracing.

Breakout: Current Controversies in the Management of Congenital Lung Malformations

8:00 a.m. – 8:45 a.m

Shaun M. Kunisaki, MD, MSc, *Johns Hopkins, Baltimore, MD, USA*
Marisa E. Schwab, MD, *Stanford University School of Medicine, Palo Alto, CA, USA*
April A. Carlson, MD, *Rady Children's Hospital of Orange County, Santa Ana, CA, USA*
Cortnie R. Vaughn, MD, *Oregon Health and Science University, West Sacramento, CA, USA*
Sara L. Lee, MD, MEng, *Boston Children's Hospital, Brookline, MA, USA*
Vincent P. Duron, MD, *New York Presbyterian Morgan Stanley Children's Hospital, New York, NY, USA*
Darrell L. Cass, MD, *Cleveland Clinic, Cleveland, OH, USA*
Caroline Maloney, MD PhD, *Children's Wisconsin, Milwaukee, WI, USA*
Raphael C. Sun, MD, *Oregon Health and Science University, Portland, OR, USA*
Farokh R. Demehri, MD, *Boston Children's Hospital, Boston, MA, USA*
Irving J. Zamora, MD, MPH, FACS, *Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA*
Emily Lake, PhD, *CPAM Parents, Menlo Park, CA, USA*
Carly J. Celebrezze, MD, MSc, *Stanford University, MENLO PARK, CA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To understand the current debate on the role of fetal MRI as part of the prenatal diagnostic workup of fetal congenital lung malformations (CLM).
- To determine whether selected infants with asymptomatic CPAMs should be offered non-operative management.
- To evaluate the role of ICG as emerging technologies to enable segmentectomy as a lung-sparing operative approach for selected CLMs.

Breakout: Defining the Value and Expectations of a Pediatric Surgeon – Current Practices and Potential for Surgeon and Practice Focused Advocacy

8:00 a.m. – 8:45 a.m

Steven L. Lee, MD, MBA, *Seattle Children's Hospital, University of Washington School of Medicine, Seattle, WA, USA*
Steven Stylianos, MD, *Rutgers RWJMS - Bristol Myers Squibb Children's Hospital RWJBH, New Brunswick, NJ, USA*
Kathleen van Leeuwen, MD, *UC Davis Children's Hospital, Sacramento, CA, USA*
Brad Feltis, MD, *ETSU, Jonesborough, TN, USA*
Reto M. Baertschiger, MD, PhD, *Dartmouth Hitchcock Medical Center, Lebanon, NH, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To summarize and understand Phairify data in a way that pediatric surgeons can use to advocate for safe, fair and reasonable expectations within their local practice environment.

Who to Screen, How to Screen, and What to Do Next: A Systematic Review of Pediatric Firearm Injury

8:00 a.m. – 8:45 a.m

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*

Lorraine I. Kelley-Quon, MD MSHS, *Children's Hospital Los Angeles/University of Southern California, Los Angeles, CA, USA*

Sandra Kabagambe, MD, *Carle Illinois College of Medicine, Savoy, IL, USA*

Joanne E. Baerg, MD, *El Paso Children's Hospital, Texas Tech University, Laguna Niguel, CA, USA*

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

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Firearm Safety Screening in Pediatric Surgery Patients

Breakout: Pediatric Surgical Sub-Specialization Training: Where are We and Where We Going?

8:00 a.m. – 8:45 a.m

KuoJen Tsao, MD, *University of Texas Health Science Center at Houston, Houston, TX, USA*

Adam M. Vogel, MD, *Texas Children's Hospital, Houston, TX, USA*

Arul Thirumoorthi, MD

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To review the current state of pediatric surgery sub-specialization and assess whether current training paradigms adequately prepare surgeons for these evolving roles.

Workshop: Early Steps in a Clinical Innovator's Journey: Navigating Tech Transfer, Patents, and the Path to a Startup

8:00 a.m. – 8:45 a.m

Seth D. Goldstein, MD MPhil, *Department of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA*

Kevin Johnson, MD, *University of Chicago, Chicago, IL, USA*

Christine Finck, MD, *Connecticut Children's Medical Center, Hartford, CT, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To demystify the early stages of clinical innovation for pediatric surgeons — from idea conception through disclosure, intellectual property protection, and institutional engagement.

Workshop: Providing Pediatric Surgical Care for Undocumented Patients and Families

8:00 a.m. – 8:45 a.m

Alexa Robbins, MD, *University of Minnesota, Minneapolis, MN, USA*

Sruthi Shankar, MD, *University of Minnesota, St. Paul, MN, USA*

Linda Li, MD, *Mount Sinai Icahn School of Medicine, Tenafly, NJ, USA*

Rachael Sundland, MD, *University of Michigan, Brooklyn, NY, USA*

Jarett Howe, MD, *Texas Tech Avera Health, Sioux Falls, SD, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss strategies for how to make safe spaces for this patient population.
- Explore ways to increase healthcare seeking and access for patients.
- Discuss what role pediatric surgeons should play in advocacy for these patients.

Breakout: (SOAPPS) Surgical Approaches to Pediatric Bowel Management

9:00 a.m. – 9:45 a.m

Melissa M. Matthews, MSN, APRN, PCNS-BC, CPNP-AC, *Vanderbilt University Medical Center, Franklin, TN, USA*

Monica Holder, BSN, RN III, CPN, *Cincinnati Children's Hospital, Cincinnati, OH, USA*

Justin T. Huntington, MD MS, *Akron Children's Hospital, Akron, OH, USA*

Susan Becker, PA-C, MPAS, *Children's Wisconsin, Milwaukee, WI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Participants will learn the indications, surgical techniques and other considerations for operative interventions used in pediatric bowel management.

Breakout: Double Dipping: The Use of EPAs for Formative Feedback in Addition to Assessment

9:00 a.m. – 9:45 a.m

Eunice Y. Huang, MD, MS, *Vanderbilt University Medical Center, Nashville, TN, USA*

Steven L. Lee, MD, MBA, *Seattle Children's Hospital, University of Washington School of Medicine, Seattle, WA, USA*

Grace Z. Mak, MD, *The University of Chicago Pritzker School of Medicine, Chicago, IL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Successfully use an EPA assessment to provide actionable feedback to a pediatric surgery trainee.

Breakout: Extending the Reach: Strategic Partnerships to Improve Access to High-Quality Pediatric Surgical Care

9:00 a.m. – 9:45 a.m

David A. Klima, MD, *St. Luke's Children's Hospital, Boise, ID, USA*

Jason C. Fisher, MD, *Hassenfeld Children's Hospital at NYU Langone, New York, NY, USA*

Anthony DeRoss, MD, *Cleveland Clinic, Cleveland, OH, USA*

Fawn Lewis

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Using a Case-Based format with a diverse group of panel members, we will review cases that demonstrate appropriate care closer to home.
- Define the need for pediatric surgical care close to home and demonstrate the geographical gaps in care.
- Discuss the roles of general surgeons at local hospitals for simple cases as well as those pediatric surgeons in tertiary and quaternary centers for more complex patient care.

Breakout: QI Successes and Failures: What Moved the Needle – and What Didn't

9:00 a.m. – 9:45 a.m

Raquel González, MD, MHCM, *Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA*

Akemi L. Kawaguchi, MD, *McGovern Medical School at The University of Texas at Houston (UTHealth)*

Alexa G. Turpin, MD, *Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*

David Darcy, MD, *Golisano Children's Hospital, University of Rochester Medical Center, Rochester, NY, USA*

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

Andrew Mudreac, MD, *New York Presbyterian/Weil Cornell, New York, NY, USA*

Terry Fisher, MPH, *UT Houston, McGovern School of Medicine, Ligonier, PA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe key factors that contribute to QI successes and failures using real-world examples.
- Emphasize the importance of learning opportunities, even when intended outcomes are not achieved.
- Create a safe environment that encourages open discussion, team engagement, and an ongoing commitment to continuous improvement.

Breakout: Reducing Adverse Outcomes in Surgeon Mothers and Infants

9:00 a.m. – 9:45 a.m

Savannah Walker, MD, *Arkansas Children's Hospital, Little Rock, AR, USA*

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

Loren Berman, MD, *Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*

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

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss modifiable factors associated with surgical training and practice to improve the maternal health of surgeons and reduce the documented health risks in their newborns.
- Identify resources for policy and peer support regarding pregnancy and lactation for surgical trainees and practicing surgeons.

Workshop: Rules of Engagement- The Intersection of Patient Care & Law Enforcement

9:00 a.m. – 9:45 a.m

Leslie Knod, MD, *Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA*

Jessica A. Zagory, MD, *LSU Health New Orleans, New Orleans, LA, USA*

Tre Nowaczynski, MSW, *University of Chicago Medical Center, Chicago, IL, USA*

Craig B. Futterman, JD, *University of Chicago Law School, Chicago, IL, USA*

Tanya L. Zakrisson, MD, MPH, FACS, FRCSC, *University of Chicago, Chicago, IL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Understanding the balance of patient privacy rights and criteria and circumstances where law enforcement may intersect with patient care.

Workshop: The Role of Apology after an Adverse Event

9:00 a.m. – 9:45 a.m

Mindy B. Statter, MD, MBE, *Montefiore Medical Center, New York, NY, USA*

Kathryn J. Rowland, MD, MPH, *Washington University School of Medicine, St. Louis, MO, USA*

Jason P. Sulkowski, MD, *University of Chicago, Chicago, IL, USA*

Baddr Shakhsher, MD, *Comer Children's Hospital, University of Chicago, Chicago, IL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To discuss how an apology can be therapeutic for both the surgeon, patient, and family.

Breakout: (SOAPPS) The Down-Low on Pilonidal Disease

10:00 a.m. – 10:45 a.m

Rachel Barton, DNP APRN CPNP, *UT Physicians, Cypress, TX, USA*

Rebecca Dolman, DNP, *Loma Linda University Children's Hospital, Lake Arrowhead, CA, USA*

Stephany Walk, DNP, *University of Iowa Healthcare, Iowa City, IA, USA*

Lauren Kanamori, RN, MSN, CPNP, *Rady Children's Health of Orange County, Cypress, CA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Participants will learn strategies for managing pilonidal disease including wound care, hair removal techniques and indications for operative vs non operative management.

Breakout: A Surgeon's Longevity- Factors Impacting a Surgeon's Quality of Life and Career

10:00 a.m. – 10:45 a.m

Leslie Knod, MD, *Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA*

Mubina Isani, MD, *Loma Linda University Medical Center, Los Angeles, CA, USA*

Steven Stylianios, MD, *Rutgers RWJMS - Bristol Myers Squibb Children's Hospital RWJBH, New Brunswick, NJ, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Recognize aspects of a surgeon's career and lifestyle that contribute to their morbidity and even mortality. Identify areas to address that may improve a surgeon's quality-of-life and quality-of-career, while working to minimize factors contributing to one's reduced longevity.

Breakout: Demystifying Peer Review: How to Publish and Persevere after Rejection

10:00 a.m. – 10:45 a.m

Hannah Piper, MD, *BC Children's Hospital, Vancouver, BC, Canada*

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

Matthew M. Byrne, MD, *University of Rochester Medical Center, Rochester, NY, USA*

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

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To understand the peer review and editorial process, recognize common reasons for manuscript rejection, and develop effective strategies for revising and resubmitting manuscripts.

Breakout: Docked and Ready: Robotic Surgery Education, Competency Assessment, and Transition to Practice in Pediatric Surgery

10:00 a.m. – 10:45 a.m

Mark A. Kashtan, MD, MPH, *University of Rochester Medical Center, Golisano Children's Hospital, Rochester, NY, USA*

Courtney J. Harris, MD, *Maynard Children's Hospital at East Carolina University, Greenville, NC, USA*

Matthew M. Boelig, MD, *Nemours Children's Health - Delaware Valley, Wilmington, DE, USA*

Jonathan L. Hills-Dunlap, MD, MPH, *Children's Hospital Colorado / University of Colorado, Aurora, CO, USA*

Irving J. Zamora, MD, MPH, FACS, *Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA*

Joyce J. L. H McRae, MD, *Loma Linda University Health, Loma Linda, CA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Define an evidence-based approach to creating a robotic surgery training program for both fellows and practicing surgeons, incorporating both competency assessment and considerations for transitioning to a practice involving robotic surgery.

Breakout: Money Moves: Sustaining Global and Local Surgical Care in a Shifting World

10:00 a.m. – 10:45 a.m

Robin T. Petroze, MD MPH, *C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Ann Arbor, MI, USA*

Alexa A. Engel, MD, MPH, *Indiana University School of Medicine, Indianapolis, IN, Zionsville, IN, USA*

Alreem Al Hinai, *Rainbow Babies & Children's Hospital, Cleveland, OH, USA*

Neema Kaseje, MD, MPH, *SSRG/Lodwar County Referral Hospital, Kisumu, Nyanza, Kenya*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe the evolution of major global health funding mechanisms, including PEPFAR and USAID, and explain how recent policy and funding shifts are impacting pediatric surgical care globally.
- Interpret real-world data and frontline perspectives to assess the effects of funding changes on access to pediatric surgical services in low-resource settings.
- Explore emerging and alternative financing approaches—such as local insurance models, public–private partnerships, and social innovation—that are being used to sustain surgical care delivery.
- Analyze parallels between global funding disruptions and domestic pressures on programs such as Medicaid and Medicare, applying a global health framework to understand impacts on rural and underserved pediatric populations in the United States.

Workshop: Beyond the Trauma Bay: How Pediatric Surgeons Can Lead Community Violence Intervention

10:00 a.m. – 10:45 a.m

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

Meera Kotagal, MD, MPH, *Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA*

Lynn Lewis

Mark Briggs

Brooke M. Cheaton, MBA, *Children's Wisconsin, Milwaukee, WI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Describe the epidemiology and drivers of pediatric community violence.
- Identify key components of Hospital-Based Violence Intervention Programs (HVIPs).
- Develop actionable strategies for pediatric surgeons to lead community violence prevention efforts.

Workshop: Management and Treatment of Complex Perianal Crohn's Disease

10:00 a.m. – 10:45 a.m

Mehul V. Raval, MD MS MBA, *Lurie Children's Hospital of Chicago / Northwestern University, Chicago, IL, USA*

Beth A. Rymeski, DO, *Cincinnati Children's Hospital, Cincinnati, OH, USA*

Robert A. Swendiman, MD, MPP, MSCE, *University of Utah, Primary Children's Hospital, Salt Lake City, UT, USA*

Byron D. Hughes, MD, MPH, *C.S. Mott Children's Hospital, Ann Arbor, MI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Discuss the importance of avoiding perianal procedures in children at risk for Crohn's disease and management of complex disease using injection (fibrin glue, mesenchymal stem cells, platelets), LIFT procedures and advancement flaps.

Breakout: (SOAPPS) Building a Pediatric Pilonidal Program from the Bottom Up

11:00 a.m. – 11:45 a.m

Joling Tidwell, CPNP, *Riley Hospital for Children, Indianapolis, IN, USA*

Leisy Knight, PA-C, *Nemours Children's Hospital, Oviedo, FL, USA*

Treva Badger, PA-C, *Cook Children's, Fort Worth, TX, USA*

Lindsay Motuliak, FNP, *Riley Hospital for Children, Zionsville, IN, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Participants will learn practical steps required to implement a pilonidal clinic, including workflow, staffing models, referral pathways, and standardized care protocols.

Breakout: "Standing by" – ECMO Standby for Anterior Mediastinal Masses

11:00 a.m. – 11:45 a.m

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

William Law, MD, *Boston Children's Hospital, Boston, MA, USA*

Shahab Shaffiey, MD, MSc, *Miami Associates In Pediatric Surgery, Miami, FL, USA*

Patrick T. Delaplaine, MD, *Texas Children's Hospital, Houston, TX, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- To discuss current literature, expert opinion, experiences, and practice patterns of pediatric surgeons regarding the use of ECMO standby for pediatric patients with an anterior mediastinal mass.
- To analyze a case-based scenario of ECMO standby for a patient with an anterior mediastinal mass and discuss indications for ECMO standby, procedural risk stratification, resource utilization, and team-based decision making.
- Review the results from the APSA Surgical Critical Care Committee survey and propose a shared model of care and next steps toward guideline development.

Breakout: Bridging the Transitions Gap: Advancing Longitudinal Surveillance in Esophageal Atresia and Aerodigestive Care

11:00 a.m. – 11:45 a.m

Lena Papadakis, *Massachusetts General Hospital, Boston, MA, USA*

Leslie Knod, MD, *Division of Pediatric General and Thoracic Surgery, Connecticut Children's Hospital, University of Connecticut School of Medicine, Hartford, CT, USA*

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

Danielle B. Cameron, MD MPH, *Mass General Brigham for Children, Massachusetts General Hospital, Boston, MA, USA*

Cornelia Griggs, MD, MPH, *Harvard Medical School, Mass General Brigham, Boston, MA, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Integrate evidence-based surveillance strategies, interdisciplinary transition frameworks, and an understanding of patient, family, and systems-level barriers to optimize transition readiness and long-term follow-up for adolescents and young adults with esophageal atresia and related aerodigestive disorders.

Breakout: Medicaid and the One Big Beautiful Bill Act: What It Means for Pediatric Surgical Care

11:00 a.m. – 11:45 a.m

Helen Hsieh, Md, PhD, *Stony Brook Children's Hospital, Stony Brook, NY, USA*
Liese C. C Pruitt, MD, MSCL, *Nemours Children's Hospital, Wilmington, DE, USA*
Robert Kaestner, PhD, *University of Chicago, Chicago, IL, USA*
Jill W. Fraggos, MPH, *Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Outline the key components of HR 1 (One Big Beautiful Bill) that impact Medicaid.
- Discuss the impact of HR 1 on pediatric surgical patients.
- Understand avenues for pediatric surgeons to advocate for their patients in the face of Medicaid cuts.

Breakout: Trauma Fundamentals: What Every Pediatric Surgeon Needs to Know on Call

11:00 a.m. – 11:45 a.m

Michael W. Dingeldein, MD, *Rainbow Babies and Children Hospital, Cleveland, OH, USA*
Kim G. Wallenstein, MD, PhD, *SUNY Upstate Medical University, Syracuse, NY, USA*
Shannon L. Castle, MD, *Division of Pediatric Surgery, Valley Children's Hospital, Madera, CA, Madera, CA, USA*
Byron D. Hughes, MD, MPH, *C.S. Mott Children's Hospital, Ann Arbor, MI, USA*
Elizabeth A. Gilliam, MD, MPH, *University of Michigan, Ann Arbor, MI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Participants will be able to apply a structured approach to the first 30 seconds of a pediatric trauma resuscitation, including room control, role assignment, and environmental management.
- Participants will be able to recognize critical early assessment findings and identify triggers for massive transfusion, operative intervention, IR, or transfer.
- Participants will be able to manage high-yield and rare-but-critical pediatric trauma scenarios using practical decision cues and damage-control principles.

Workshop: Taking the Next Step: How to Negotiate for What you Need

11:00 a.m. – 11:45 a.m

Laura A. Boomer, MD, *Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, USA*
Alreem Al Hinai, *Rainbow Babies & Children's Hospital, Cleveland, OH, USA*
Helen Hsieh, Md, PhD, *Stony Brook Children's Hospital, Stony Brook, NY, USA*
Eunice Y. Huang, MD, MS, *Vanderbilt University Medical Center, Nashville, TN, USA*
Patty Lange, MD, *Children's Hospital of Richmond at VCU, Richmond, VA, USA*
Helen Hsieh, Md, PhD, *Stony Brook Children's Hospital, Stony Brook, NY, USA*
Jennifer Timmons, MD, *Bronson Methodist Hospital, Western Michigan University School of Medicine, Kalamazoo, MI, USA*

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- The goal of this session is to provide take-home tactics and strategies for successful negotiation to obtain the resources you need to achieve your goals. Participants will apply these strategies in a guided practice session.

Workshop: What Did You Do to This Patient? Improving Surgeon Communication for Inter-hospital Transfers in the Care of Complex Patients

11:00 a.m. – 11:45 a.m

David A. Klima, MD, *St. Luke's Children's Hospital, Boise, ID, USA*
Kenneth W. Gow, MD, MHA, *Stony Brook Children's Hospital, Stony Brook, NY, USA*
Jason C. Fisher, MD, *Hassenfeld Children's Hospital at NYU Langone, New York, NY, USA*
Mackenzie Lees

LEARNING OBJECTIVES; By the end of the presentation, attendees will be able to:

- Using an Interactive Audience Discussion, we will develop practical proposals that we intend to publish to close these gaps.
- Demonstrate the current gaps in care in acute interfacility transfers as well as the maintenance of long-term care in the post-acute setting.