

IPEG's 30th Annual Congress for Endosurgery in Children

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FINAL PROGRAM



¡Traducción en Español!

2021 CORPORATE VISIBILITY SPONSORS

IPEG gratefully acknowledges the medical education grant funding by the following companies:

Applied Medical, Cook Medical, Medtronic, Olympus

IPEG gratefully acknowledges the generous support of our Sponsors:

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Institutional Supporter: Journal of Techniques and Innovations in Pediatrics

International Pediatric Endosurgery Group (IPEG)

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*IPEG is managed by **BSC Management, Inc.***

SCHEDULE AT A GLANCE

All times are listed in Eastern (New York) Time Zone

Exhibit Hall open for live visits Friday through Monday

Friday, June 11, 2021

9:00 AM - 9:05 AM	Welcome - President's Message
9:05 AM - 9:15 AM	Intro/Short Format Video: Day in the Life of Surgeon - Dr. Miguel Guelfand
9:15 AM - 10:15 AM	Scientific Session: Hepatobiliary / Miscellaneous
10:15 AM - 10:25 AM	Short Format Material: Day in the Life of Surgeon - Dr. Atsuyuki Yamataka
10:25 AM - 11:25 AM	Scientific Session: Advance Technologies and Anorectal I
<i>11:25 AM - 11:30 AM</i>	<i>Break</i>
11:30 AM - 12:00 PM	Presidential Address: A Peek Into The Future of Surgical Learning: A King, An Ox, & Elon Musk - Dr. Todd Ponsky
12:00 PM - 1:00 PM	Special Feature Panel: Technology Entrepreneurship and Commercialization (<i>Non-CME</i>)
1:00 PM - 1:10 PM	Short Format Material: Day in the Life of Surgeon - Dr. Bethany Slater
1:10 PM - 2:10 PM	Scientific Session: Anorectal II
<i>2:10 PM - 2:30 PM</i>	<i>Break</i>
2:30 PM - 3:30 PM	Scientific Session: Gastrointestinal I
3:30 PM - 3:40 PM	What Would You Do? Case questions from junior IPEG members
3:40 PM - 4:40 PM	Scientific Session: Gastrointestinal II
4:40 PM - 5:10 PM	Symposium: KARL STORZ Endoscopy and their commitment to the care of children around the world: Then, Now and in the Future (<i>Non-CME</i>)
5:10 PM - 7:00 PM	Scientific Talks: Worst Nightmare Session

Monday, June 14, 2021

9:00 AM - 9:05 AM	Welcome - President's Message
9:05 AM - 9:15 AM	Intro/Short Format Video: Day in the Life of Surgeon - Dr. Sabine Zundel
9:15 AM - 10:15 AM	Scientific Session: Genitourinary and Basic Science
10:15 AM - 10:25 AM	What Would You Do? Case questions from junior IPEG members
10:25 AM - 11:25 AM	Scientific Session: Hernia I
<i>11:25 AM - 11:30 AM</i>	<i>Break</i>
11:30 AM - 12:30 PM	Scientific Session: Hernia II and Simulation Based Education
12:30 PM - 1:00 PM	IRCAD Lecture: The Gastrointestinal Microbiome - What matters to Pediatric Endosurgeons? - Dr. Holger Till
1:00 PM - 1:30 PM	Symposium: Stryker: Advances in Pediatric Visualization (<i>Non-CME</i>)
1:30 PM - 2:30 PM	Special Feature Panel: Artificial Intelligence for the Pediatric Surgeon
2:30 PM - 3:30 PM	Scientific Session: Thoracic
3:30 PM - 3:40 PM	Short Format Material: Day in the Life of Surgeon - Dr. Michele Ugazzi
3:40 PM - 4:40 PM	Scientific Session: Solid Organ
<i>4:40 PM - 4:45 PM</i>	<i>Break</i>
4:45 PM - 4:55 PM	Short Format Material: Day in the Life of Surgeon - Dr. Yury Kozlov
4:55 PM - 6:05 PM	Scientific Session: Innovations (<i>Non-CME</i>)
6:05 PM - 6:15 PM	Closing & Awards

On-Demand Content:

IPEG Cinema (Video Abstract Presentations) & Digital Posters

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2021 MEETING LEADERS

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* = non-voting members

PROGRAM CHAIR - Matthew Clifton, MD



Dr. Matthew Clifton earned his undergraduate degree in Physiology from the University of California, Los Angeles. He completed medical school at Georgetown University and returned to California for his adult general surgery residency at the University of California, San Francisco. During his residency he spent two years as a research resident in the Fetal Treatment Center at UCSF. He completed his pediatric surgery fellowship at Emory University in Atlanta.

Dr. Clifton is currently the Division Chief of Pediatric Surgery and Associate Professor of Surgery and Pediatrics at Emory University/Children's Healthcare of Atlanta. He assumed the role of fellowship program director in 2013, which has dovetailed nicely with his interest in surgical education, simulation, and clinical research. He has received multiple awards for teaching. He is the editor-in-chief of The Journal of Laparoendoscopic and Advanced Surgical Techniques, Part B Videoscopy and is an ad hoc reviewer for several other journals. His interests include advanced minimally invasive surgery, hepatobiliary and pancreas surgery, and surgical oncology.

PROGRAM & CME CHAIR - Samir Pandya, MD



Dr. Samir Pandya was awarded his Bachelor's of Science with honors in Biomedical Engineering at the University of Miami. He completed his medical training at the Medical College of Virginia and then General Surgery residency at the New York Medical College / Westchester Medical Center Campus. He went on to train in Pediatric General Surgery at Emory University / Children's Healthcare of Atlanta. Upon completion of his fellowship training in 2011 he returned to his residency program as Assistant Professor in the Department of Surgery and Pediatrics where he further developed and vastly improved the pediatric minimally invasive pediatric surgery program. Academically he enjoys working with medical students, residents and fellows and has received numerous teaching awards during his career. In 2017, he was recruited to join the faculty at University of Texas Southwestern at Children's Medical Center in

Dallas, Texas as an Associate Professor of Surgery.

His clinical focus is on advanced minimally invasive pediatric surgery with minilaparoscopy and single-incision procedures. He has a strong interest in thoracic diseases as related to pediatric patients such as chest wall anomalies, congenital lung lesions as well as surgical oncology.

PROGRAM CO-CHAIRS



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* = retired; ** = deceased

IPEG Recovery – “Investing in the future Pediatric Surgeon”

IPEG wishes to thank the following individuals for their contribution into the IPEG’s Recovery Fund:

YEERFAN AIERKEN, ALI ALKHAYAT, JOANNE BAERG, KATHERINE BARSNESS, MATIAS BRUZONI, DAFYDD DAVIES, CARLOS GARCÍA-HERNÁNDEZ, MIGUEL GUELFAND, FAYZA HAIDER, CELESTE HOLLANDS, SATOSHI IEIRI, ROMEO IGNACIO, TETSUYA ISHIMARU, TAKAHIRO JIMBO, HARUKI KATO, MARCELO MARTINEZ FERRO, GO MIYANO, UYEN NGUYEN, SATOKO NOSE, DANIEL OSTLIE, DAN PARRISH, EDUARDO PEREZ, LENA PERGER, RAMBHA RAI, REBECCA RENTE, STEVEN ROTHENBERG, BRADLEY SEGURA, JEONG-MEEN SEO, CHARLES SNYDER, ASTRID ROCÍO SOARES MEDINA, SHAWN ST. PETER, MARK WULKAN

IPEG Long Term Research Fund Contributors

IPEG wishes to thank the following individuals for their 2020 to 2021 contribution into the IPEG’s Long Term Research Fund:

DAYANG ANITA ABDUL AZIZ, YEERFAN AIERKEN, ALI ALKHAYAT, AMAR ALNAQI, CHRIS ANDERSON, WALTER ANDREWS, ABDUL AZIZ, JOANNE BAERG, SAMIKSHA BANSAL, KATHERINE BARSNESS, ROBERT BERGHOLZ, MELTEM BINGOL-KOLOGLU, CHARLES BREAU, MATIAS BRUZONI, DARRELL CASS, MATTHEW CLIFTON, CATHERINE COSENTINO, HEIDI COX, DAFYDD DAVIES, JAMES DECOU, BENJAMIN DEL RIO HERNANDEZ, PETER ESSLINGER, CARLOS GARCÍA-HERNÁNDEZ, JORGE GODOY LENZ, HARSH GREWAL, CORNELIA GRIGGS, MIGUEL GUELFAND, ALEXEY GUSEV, MUNTHER HADDAD, FAYZA HAIDER, CELESTE HOLLANDS, SATOSHI IEIRI, ROMEO IGNACIO, TETSUYA ISHIMARU, SEO JEONG MEEN, TAKAHIRO JIMBO, HARUKI KATO, SAUNDRA KAY, CURT KOONTZ, KEITH KUENZLER, CHARLES LEYS, PIERRE LINGIER, FRANCOIS LUKS, IRASTORZA MARHUENDA, MARCELO MARTINEZ FERRO, MELISSA MCKEE, MARIO MENDOZA-SAGAON, GO MIYANO, DON MOORES, KEVINMD MORIARTY, SATOKO NOSE, SATOSHI OBATA, MATTHIJS OOMEN, MIKKO PAKARINEN, SAMIR PANDYA, DAN PARRISH, JEFFREY PENCE, LENA PERGER, PAUL PHILIPPE, CARLOS PRADA, ENAAM RABOE, RAMBHA RAI, GIOVANNA RICCIPIPETONI, STEVEN ROTHENBERG, DAVID ROTHSTEIN, MARK SAXTON, BRADLEY

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IPEG AWARDS

Details at <https://www.ipeg.org/awards/>

Research Grant Award

The purpose of the Research Grant is to stimulate and support high quality original research from IPEG members in basic and clinical science. Junior faculty are encouraged to apply and the proposal should place an emphasis on basic science research. One winner will receive a certificate of award and a \$5,000 grant.

2019 Winner: Dr. Beth Rymeski, Cincinnati, OH

IRCAD Award

As a result of a generous grant provided by KARL STORZ ENDOSCOPY, one fellow will be selected by the IPEG Research Committee each year to travel to Strasbourg, France to participate in a course in pediatric minimally invasive surgery at the world famous European Institute of Telesurgery. This center, on the campus of the University of Strasbourg, is a state-of-the-art institute for instruction in all aspects of endoscopic surgery.

2019 Winner: Dr. Jordan Taylor, Stanford, CA

Innovation Award

Innovation abstracts selected and presented at the Innovations Session are all eligible for this award. Voting is done by the IPEG New Innovative Spaces Committee members. Winner will receive complimentary 2022 IPEG membership and congress registration fees.

2019 Winner: Dr. Daniel von Allmen, Cincinnati, OH

International Award *(new for 2021)*

IPEG is offering four awards for an outstanding international abstract presented at the IPEG Annual Meeting. The purpose of these awards is to encourage submissions and attendance from IPEG's global membership. Winners will receive complimentary 2022 IPEG membership and congress registration fees.

2021 MEETING FACULTY

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Yury Kozlov, MD - Irkutsk, Russia
Thomas Krummel, MD - Stanford, CA USA
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Charles Leys, MD - Madison, WI USA
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Aixa Reusmann, MD - Buenos Aires, Argentina
Steven Rothenberg, MD - Denver, CO USA
Atul Sabharwal, MD - Glasgow, UK

Bradley Segura, MD - Inver Grove Heights, MO USA
Sohail Shah, MD, MSHA - Houston, TX USA
Bethany Slater, MD - Chicago, IL USA
Spyros Spyarakos, MD - Kifisia, Greece
Holger Till, MD - Graz, Austria
Anthony Tsai, MD - Hershey, PA USA
Michele Ugazzi, MD - Quito, Ecuador
James Wall, MD - Stanford, CA USA
Thomas Ward, MD - Boston, MA USA
Mark Wulkan, MD - Akron, OH USA
Atsuyuki Yamataka, MD - Tokyo, Japan
Jessica Zagory, MD - New Orleans, LA USA
Irving Zamora, MD, MPH - Nashville, TN USA
Jeffrey Zitsman, MD - New York, NY USA
Sabine Zundel, MD, MME - Lucerne, Switzerland

EXHIBITOR LISTING

We encourage all attendees to visit the following companies in our virtual Exhibit Hall!

AtriCure, Inc.

Contact: Terrie Holahan; em: tholahan@atricure.com

7555 Innovation Way, Mason, OH 45040 USA

Web: <https://www.atricure.com/healthcare-professionals/therapies/cryo-nerve-block> | Twitter: @AtriCure

Product or Service: Cryo Nerve Block Therapy (cryoNB) harnesses the power of cryotherapy to provide a new form of temporary pain relief for patients who undergo certain invasive cardiac or thoracic surgical procedures.

Bolder Surgical

Contact: Tricia Strong; em: tstrong@boldsurg.com

331 S. 104th St, Suite 200, Louisville, CO 80027 USA

Web: <https://boldersurgical.com/> | Twitter: @BolderSurgical

Product or Service: CoolSeal Vessel Sealing, Just Right 5mm Stapler

ConMed

Contact: Deanna Nelson; em: DeannaNelson@conmed.com

6455 S. Yosemite St, Suite 800, Greenwood Village, CO 80111 USA

Web: <https://conmed.com/> | Twitter: @ConMedAirSeal

Product or Service: AirSeal and Anchor Specimen Bags

KARL STORZ ENDOSCOPY

Contact: Robert Evans; em: Robert.Evans@karlstorz.com

Dr. Karl-Storz-Straße 34, Tuttlingen, Baden-Württemberg 78532 Germany

Web: https://exhibitvirtual.online/pediatric_surgery-english/

Product or Service: Medical Device Manufacturer & Distributor

LAPARO Medical Simulators

Contact: Katarzyna Kastelli-Drzewiecka; em: laparo@laparosimulators.com

Wilcza 25c, Wroclaw, Lower Silesia 50-429, Poland

Web: <https://laparosimulators.com> | Twitter: <https://twitter.com/LaparoMedSim>

Product or Service: Laparoscopic Simulators

PAMPAMED SRLContact: Valeria Ferroni, em: info@pampamed.com

San Lorenzo 4716, Munro, Buenos Aires 1605 Argentina

Web: <https://www.pampamed.com/>

Product or Service: FMF DYNAMIC COMPRESSOR SYSTEM

StrykerContact: Annabel Rawson; em: Annabel.rawson@stryker.com

5900 Optical Ct., San Jose, CA 95138 USA

Web: <https://1688aim4k.com/> | Twitter: @StrykerEndo

Product or Service: 1688 AIM 4K Platform, SPY-PHI

We Train SimulationContact: Mateo Bellia Harguinteguy; em: mateo_bellia@hotmail.com

Av. Cramer 4602, CABA, Buenos Aires 1429 Argentina

Web: <http://wetrainsimulation.com/>

Product or Service: M.I.S Training Box and Online Courses

Zimmer BiometContact: Brandy Hughes; em: Brandy.Hughes@zimmerbiomet.com

1520 Tradeport Dr., Jacksonville, FL 32218 USA

Web: <https://www.zimmerbiomet.com> | Twitter: <https://twitter.com/zimmerbiomet>

Product or Service: CMF & Thoracic

ACCREDITATION



In support of improving patient care, this activity has been planned and implemented by Cincinnati Children's and International Pediatric Endosurgery Group (IPEG). Cincinnati Children's is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Cincinnati Children's designates this live activity for a maximum of *13.25 AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Educational Gap: As minimally invasive surgery becomes more common in pediatrics, there is a need for increased education and wider dissemination of knowledge, use of different techniques, and evidence-based practices. This conference aims to address this need with particular emphasis on patient safety, educational programs, and functional outcomes across different practice levels.

Learning Objectives:

The IPEG Annual Meeting is an independent, educational, scientific conference that promotes scientific knowledge, medical advancement, and the delivery of effective healthcare. By the end of participation in this learning activity, participants should be able to:

- Employ new and developing minimally invasive surgical techniques.
- Articulate controversial issues regarding indications, techniques and outcomes of minimally invasive surgery in infants and children.
- Assess the role of artificial intelligence and entrepreneurship in pediatric surgery.
- Implement evidence based post-operative care for infants and children for certain disease processes.



IPEG 2021 ANNUAL MEETING

JUNE 11 & 14, 2021

EXPLORING NEW FRONTIERS AND INNOVATIVE SPACES

Tracking hours attended:

If you attend only a portion of the entire activity, please use this chart to track your attendance:

Date	Time (EST)	Session Name	CME Credit Available	Credit Claimed
6/11/2021	9:15 AM - 10:15 AM	SS1: Hepatobiliary / Miscellaneous	1	
6/11/2021	10:25 AM - 11:25 AM	SS2: Advance Technologies and Anorectal I	1	
6/11/2021	1:10 PM - 2:10 PM	SS3: Anorectal II	1	
6/11/2021	2:30 PM - 3:30 PM	SS4: Gastrointestinal I	1	
6/11/2021	3:40 PM - 4:40 PM	SS5: Gastrointestinal II	1	
6/11/2021	5:10 PM - 7:00 PM	Worst Nightmare Session	1.75	
6/14/2021	9:15 AM - 10:15 AM	SS6: Genitourinary and Basic Science	1	
6/14/2021	10:25 AM - 11:25 AM	SS7: Hernia I	1	
6/14/2021	11:30 AM - 12:30 PM	SS8: Hernia II and Simulation Based Education	1	
6/14/2021	12:30 PM - 1:00 PM	Keynote: The Gastrointestinal Microbiome	0.5	
6/14/2021	1:30 PM - 2:30 PM	Panel: Artificial Intelligence / Virtual Reality	1	
6/14/2021	2:30 PM - 3:30 PM	SS9: Thoracic	1	
6/14/2021	4:40 PM - 4:40 PM	SS10: Solid Organ	1	
		TOTAL	13.25	

COMMERCIAL BIAS

You are encouraged to document any concerns about commercially-biased presentations/ materials during educational sessions and report to IPEG office at email admin@ipeg.org

Your feedback will be shared with a members of the Executive Committee, who will make the faculty and course chair(s) aware of these concerns. IPEG has an obligation to the medical profession and society as a whole to elucidate bias in order to protect the objectivity, scientific integrity and quality of its continuing medical education (CME) programs and to provide CME in an ethical and impartial manner. Bias is defined when a preference or predisposition exist toward a particular perspective or result that interferes with an individual's ability to be impartial, unprejudiced or objective in order to further personal gain and disregard for data. Particular preferences may be favorable or unfavorable. When bias exists, impartial judgment and neutrality may be compromised. Bias may be minimized through a declaration of conflict of interest or commercial interests, an evaluation of peer-reviewed evidence-based medicine with an integration of clinical expertise and/or experience, and an assertion of published sources for evidence-based reporting. IPEG requires presenters at all educational events to specifically avoid introducing bias, commercial or otherwise, into their presentations.

In your reporting, please include presentation and session name, commercial bias by faculty/speaker name, form of promotion (handouts, slides, what they said, actions). Also please report what type of Commercial Bias was observed: (check all that apply)

- Patient treatment/management recommendations weren't based on strongest levels of evidence available.
- Emphasis was placed on one drug or device versus competing therapies, and no evidence was provided to support its increased safety and/or efficacy.

- Trade/brand names were used. Trade names versus generics were used for all therapies discussed.
- The activity was funded by industry and I perceived a slant toward the grantors.
- The faculty member had a disclosure and I perceived a slant toward the companies with which he/she has relationships.
- Other (please describe): _____

Disclosures:

The following committee member/faculty has indicated commercial support relationship(s):

Program Planning Committee

- Matthew Clifton – Consultant for Bolder Surgical
- Romeo Ignacio – Owns stock in Abbott Laboratories and Abbvie
- Samir Pandya – Consultant for Transenterix
- Bethany Slater – Consultant for Bolder Surgical

Abstract Reviewers

- Matthew Clifton – Consultant for Bolder Surgical
- Romeo Ignacio – Owns stock in Abbott Laboratories and Abbvie
- Samir Pandya – Consultant for Transenterix
- Steven Rothenberg – Consultant for Bolder Surgical and Storz
- Bethany Slater – Consultant for Bolder Surgical

Scientific Sessions

- Steven Rothenberg – Consultant for Bolder Surgical
- David Notrica – Consultant for Zimmer, Atricare, and KLS-Martin
- Dawn Jaroszweski – Consultant for Zimmer

Other Faculty and Moderators

- Matthew Clifton – Consultant for Bolder Surgical
- Romeo Ignacio – Owns stock in Abbott Laboratories and Abbvie
- Michael Leinwand – Consultant for Virtual Ports Laparoscopy Systems
- Amin Madani – On Advisory Committee for Activ Surgical
- Oliver Muensterer – Consultant (Speaking/Teaching) for Hollister-Dansac and Pajunk
- Bethany Slater – Consultant for Bolder Surgical
- Thomas Ward – Olympus Corporation

All identified conflicts of interest pertaining to this activity were resolved prior to the activity. Remaining committee/faculty identified no pertinent conflicts.

DETAIL PROGRAM LISTING

Friday, June 11, 2021

All times are listed in Eastern (New York) Time Zone

9:00 AM - 9:05 AM

Welcome - President's Message

9:15 AM - 10:15 AM

SS1: Hepatobiliary / Miscellaneous

Moderators: Go Miyano, MD; Matthijs Oomen, MD; Benjamin Padilla, MD

S001 IMPACT OF MINIMALLY INVASIVE SURGERY ON PERIOPERATIVE OUTCOMES AMONG INFANTS UNDERGOING REPAIR OF CONGENITAL ANOMALIES Jordan C Apfeld, MD; Yuri V Sebastião, PhD; Katherine J Deans, MD, MHSc; Peter C Minneci, MD, MHSc; Center for Surgical Outcomes Research, Nationwide Children's Center

S002 COMPLICATED CASES OF CHOLEDOCHAL CYST WITH PREVIOUS INTERVENTION/SURGERY: IS LAPAROSCOPIC CHOLEDOCHAL CYST EXCISION AND BILIARY RECONSTRUCTION FEASIBLE? Sunita Ojha; Santokba Durlabhji Memorial Hospital and Research Institute

V001 ROBOTIC EXCISION OF CHOLEDOCHAL CYST WITH HEPATICODUODENOSTOMY Aaron R Scott, MD; Steve Megison, MD; Samir R Pandya, MD; UT Southwestern Medical Center

V002 BALLOON SPHINCTEROPLASTY IN LAPAROSCOPIC COMMON BILE DUCT EXPLORATION: TIPS, TRICKS AND TROUBLESHOOTING Maggie E Bosley, MD; Kristen A Zeller, MD, FACS; Lucas P Neff, MD, FACS; Wake Forest Baptist Medical Center

S003 NORMOKINETIC BILIARY DYSKINESIA: PAIN WITH CCK ON HIDA SCAN PREDICTIVE OF SYMPTOM RESOLUTION Maggie E Bosley, MD¹; Jillian Jacobson, MD²; Michaela W Gaffley, MD¹; Lucas P Neff, MD¹; James S Davis, MD³; ¹Wake Forest School of Medicine; ²University of Texas Southwestern; ³Texas Children's Health

S004 CHARACTERISTICS OF PEDIATRIC LATE POSTOPERATIVE COMPLICATIONS AFTER RADICAL OPERATION OF CONGENITAL BILIARY DILATATION (CBD) AND THE STRATEGY FOR BILE DUCTOPLASTY OF HILAR BILIARY DUCT STENOSIS BY LAPAROSCOPIC EXCISION OF CBD Hiroo Uchida, MD; Takahisa Tainaka, MD; Chiyo Shirota, MD; Wataru Sumida, MD; Kazuki Yokota, MD; Satoshi Makita, MD; Aitaro Takimoto, MD; Akihiro Yasui, MD; Hizuru Amano; Msamune Okamoto, MD; Yoichi Nakagawa, MD; Akinari Hinoki, MD; Nagoya University Graduate School of Medicine

S005 DIAGNOSTIC LAPAROSCOPY IN INFANTILE CHOLESTATIC JAUNDICE Salma Mani; Samia Belhassen; Nouha Boukhrissa; Meriem Ben Fredj; Sami Sfar; Sabrine Ben Youssef; Sana Mosbah; Amine Ksaa; Lassaad Sahnoun; Mongi Mekki; Mohsen Belguith; Department of Pediatric Surgery Monastir

S006 LAPAROSCOPIC MANAGEMENT OF HYDATID CYSTS IN CHILDREN : COULD IT BECOME THE CURRENT APPROACH ? Yosra Ben Ahmed, MD; Meriem Oumaya; Intissar Chibani, MD; Meriem Marzouki; Tarek Boukesra; Awatef Charieg, MD; Faouzi Noura, PhD; Said Jlidi; Children Hospital of Tunis

10:25 AM - 11:25 AM

SS2: Advance Technologies and Anorectal I

Moderators: Maria Marcela Bailez, MD; Muensterer Oliver, MD; Atul Sabharwal, MD

V003 MULTI-QUADRANT ROBOTIC SURGERY THROUGH A SINGLE HIDDEN [Maria C Mora, MD](#); Karen A Diefenbach, MD; Katherine A McCracken, MD; Marc P Michalsky, MD, MBA; Nationwide Children's Hospital

S007 TRANSANAL USE OF FLUORESCENT URETERAL STENTS FOR PELVIC RESECTION [Katherine C Ott, MD](#); Timothy B Lautz, MD; Julia E Grabowski, MD; Seth D Goldstein, MD; Ann and Robert H. Lurie Children's Hospital, Division of Pediatric Surgery

S008 IMAGE-GUIDED PEDIATRIC SURGERY USING INDOCYANINE GREEN (ICG) FLUORESCENCE IN LAPAROSCOPIC AND ROBOTIC SURGERY [Ciro Esposito](#); [Alessandro Settimi](#); [Fulvia Del Conte](#); [Mariapina Cerulo](#); [Vincenzo Coppola](#); [Alessandra Farina](#); [Giuseppe Autorino](#); [Rachele Borgogni](#); [Maria Escolino](#); [Federico II University of Naples, Naples, Italy](#)

S009 INTRAOPERATIVE USES OF NEAR-INFRARED FLUORESCENCE SPECTROSCOPY IN PEDIATRIC SURGERY: A SYSTEMATIC REVIEW [Heba Alghoul, Dr¹](#); [Farah Al Farajat, Dr²](#); [Osaid Alser, Dr³](#); [Andrea Rogers Snyr, Ms⁴](#); [Carroll Harmon, Dr⁵](#); [Nathan Novotny, Dr⁶](#); ¹Faculty of Medicine, Islamic University of Gaza, Palestine; ²Faculty of Medicine, Jordan University of Science and Technology, Jordan; ³Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA; ⁴Beaumont Children's, Royal Oak, MI, USA; ⁵Division of Pediatric Surgery, Department of Surgery, Jacobs School of Medicine and Biomedical Sciences, University in Buffalo, NY, USA; ⁶Monroe Carell, Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA

S010 ARTIFICIAL INTELLIGENCE DRIVEN AUTOMATED DETECTION OF PYLORIC STENOSIS IN ULTRASOUND IMAGING [Alejandra M Casar Berazaluze, MD¹](#); [Ravi Yadav, MS²](#); [Smruti Deoghare, MS²](#); [Alexander T Gibbons, MD, MS³](#); [Surya Prasath, PhD²](#); [Beth A Rymeski, DO²](#); [Todd A Ponsky, MD²](#); ¹Cincinnati Children's Hospital Medical Center, University of Texas Health Science Center at San Antonio; ²Cincinnati Children's Hospital Medical Center; ³Akron Children's Hospital

This abstract project was possible thanks to funding from the IPEG Long Tern Research Fund (LTRF), supporting the 2019 Research Grant Award winner research.

S011 LAPAROSCOPY-ASSISTED ENDORECTAL PULL-THROUGH FOR PEDIATRIC HIRSHPRUNG'S DISEASE – 16-YEAR EXPERIENCE WITH 724 PATIENTS [Igor Poddoubnyi, MD, PhD¹](#); [Michael Kozlov²](#); [Mahmud Ismailov¹](#); [Anatole Kotlovsky³](#); [Kirill Tolstov⁴](#); [Vladimir Trounov⁴](#); [Anton Malashenko⁴](#); ¹Department of Pediatric Surgery, A.I. Yevdokimov Moscow State University of Medicine and Dentistry, Moscow; ²Department of Pediatric surgery, Morozov Central Children's Hospital, Moscow; ³Department of Pediatric Surgery, Z.I. Krouglaya Central Children's Hospital, Oryol; ⁴Department of Pediatric Surgery, Federal Scientific and Clinical Center of Children and Adolescents FMBA of Russian Federation, Moscow

S012 POSTOPERATIVE HIRSCHSPRUNG ASSOCIATED ENTEROCOLITIS. REVIEW OF 153 PULL-THROUGH PATIENTS TREATED OVER 30 YEARS. [Masahiro Takeda¹](#); [Go Miyano¹](#); [Nana N Tanaka¹](#); [Yusuke Shigeta²](#); [Geoffrey J Lane¹](#); [Takashi Doi²](#); [Tsubasa Takahashi³](#); [Masahiko Urao¹](#); [Tadaharu Okazaki¹](#); [Takanori Ochi¹](#); [Hiroyuki Koga¹](#); [Atsuyuki Yamataka¹](#); ¹Department of Pediatric General & Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan; ²Division of Pediatric Surgery, Department of Surgery, Kansai Medical University, Osaka, Japan; ³Department of Pediatric Surgery, Nippon Medical School Musashi Kosugi Hospital, Tokyo, Japan

V004 ROBOTIC SOAVE CUFF EXCISION IN A PATIENT WITH OBSTRUCTIVE SYMPTOMS AFTER TRANSANAL ENDORECTAL PULL-THROUGH (TEP) [Emre Divarci, Associate Professor](#); [Hilmican Ulman, MD](#); [Ahmet Celik, Professor](#); [Orkan Ergun, Professor](#); [Geylani Ozok, Professor](#); Ege University Faculty of Medicine Department of Pediatric Surgery

S014 LAPAROSCOPIC-ASSISTED ANORECTOPLASTY FOR INTERMEDIATE TYPE RECTOVESTIBULAR FISTULA: A COMPARISON STUDY WITH MODIFIED ANTERIOR SAGITTAL ANORECTOPLASTY [Yan Zhou](#); [Long Li](#); [Hang Xu](#); [Anxiao Ming](#); [Mei Diao](#); Capital Institute of Pediatrics

11:30 AM - 12:00 PM

Presidential Address: Todd Ponsky, MD



Dr. Todd Ponsky is currently Professor of Surgery at the University of Cincinnati and a pediatric surgeon at Cincinnati Children's Hospital Medical Center and Akron Children's Hospital. He is the Director of Clinical Growth and Transformation at Cincinnati Children's Hospital. He attended medical school at Case Western Reserve University in Cleveland, Ohio from 1995-1999, Residency in General Surgery at The George Washington University in Washington, DC from 1999-2005, Pediatric Surgery Fellowship at Children's National Medical Center in Washington, DC from 2005-2007, and an Advanced Minimally Invasive Pediatric Surgery Fellowship at The Rocky Mountain Hospital for Children in Denver, CO from 2007-2008.

Dr. Ponsky was the first to perform and report single port surgery in children and modernized the methods of the laparoscopic pediatric hernia repair. He has published over 125 manuscripts, edited 3 textbooks, and authored over 20 book chapters. He has directed over 50 national/international courses and has given over 180 visiting lectureships. He is the Associate Editor for The Journal of Pediatric Surgery, and serves on three editorial boards.

Dr. Ponsky is currently President of The International Pediatric Endosurgery Group (IPEG) and holds leadership positions in APSA and SAGES. He has won numerous faculty teaching awards. He is involved in both outcomes and animal research with a focus on inguinal hernia physiology, surgical telementoring, endoscopic repair techniques for pure esophageal atresia, and innovations in education. He founded GlobalcastMD and Stay Current in Surgery, both of which serve to democratize and internationalize medical knowledge and modernize the way we teach and learn surgery.

12:00 PM - 1:00 PM

Panel: Technology Entrepreneurship and Commercialization

Non-CME

SESSION CHAIR: James Wall, MD

Surgeons rely on the tools and technologies at our disposal to optimize surgical interventions for the benefit of patients. Pediatric Surgery is underserved by industry due to small market size and the perception of a higher regulatory risk. Understanding the pathways and barriers in developing health technologies from idea to bedside will help pediatric surgeons to accelerate the pace of new innovations for our patients.

SESSION OBJECTIVES:

- Differentiate opportunity among unmet clinical needs
- Employ strategies to enhance innovative ideation
- Appraise market size and implications for funding
- Understand key risks in the implementation of new technologies

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

- Know the relative value of unmet clinical needs
- Brainstorm more effectively
- Determine the amount of funding justified by a given market opportunity
- Identify key risks to the deployment of a new technology

OUTLINE:

- 12:00pm The challenges of developing surgical tools specifically for the pediatric market - Steven Rothenberg, MD
12:05pm Developing surgical tools for adults first with an eye to downsizing - Jim Geiger, MD
12:10pm Building a business around chest wall deformities from the ground up - Marcello Martinez-Ferro, MD and Valaria Ferro
12:15pm The opportunity to innovate for compelling orphan needs - Thomas Krummel, MD
12:20pm Panel Discussion on Identification, Invention, Implementation - James Wall, MD
-

1:10 PM - 2:10 PM

SS3: Anorectal II

Moderators: Belinda Dickie, MD, PhD; Eduardo Perez, MD; Rebecca Rentea, MD

V005 COMPLETE LAPAROSCOPIC REPAIR OF LONG CHANNEL CLOACAL MALFORMATION Wendy Jo Svetanoff, MD, MPH; Nicholas E Bruns, MD; Ashli A Lawson, MD; Julie A Strickland, MD, MPH; John Gatti, MD; Rebecca M Rentea, MD, MS; Children's Mercy Hospital - Kansas City

S015 A COMPARISON OF SEXUAL FUNCTION IN MALE PATIENTS WITH ANORECTAL MALFORMATIONS BETWEEN THE CONVENTIONAL APPROACH AND THE LAPAROSCOPIC APPROACH Tetsuya Ishimaru, MD, PhD; Hiroshi Kawashima, MD; Kentaro Hayashi, MD; Hironobu Oiki, MD; Kanako Omata, MD; Yohei Sanmoto, MD; Maho Inoue, MD, PhD; Saitama Children's Medical Center

S017 A NOVEL COMBINED ENTEROSCOPY AND LAPAROSCOPY APPROACH TO PREVENT URETHRAL COMPLICATIONS IN MANAGEMENT OF RECTOURETHRAL FISTULA Mei Diao, Professor; Long Li; Rui-Jie Zhou; An-Xiao Ming; Department of Pediatric Surgery, Capital Institute of Pediatrics

S018 FACTORS TO DISTAL BOWEL DILATATION IN MALE CHILDREN WITH CONGENITAL ANORECTAL MALFORMATION Hang Xu; Long Li; Yan Zhou; Anxiao Ming; Mei Diao; Capital Institute of Pediatrics

S019 ROL OF MIS IN CLOACAL RECONSTRUCTION. RESULTS OF A SINGLE CENTER Maria Marcela Marcela Bailez; Natalia Ordonez, MD; Victor Dibenedetto; Lucila Alvarez, MD; Javier Ruiz; Garrahan Childrens Hospital Buenos Aires

V006 LAPAROSCOPIC HEMIHISTERECTOMY IN A DIDELPHIC UTERUS WITH UNILATERAL CERVICAL ATRESIA Soledad Heredia, PhD; German F Falke, PhD; Daniel R Russo, PhD; Sofia Marchionatti, PhD; Leandro B Berberian, PhD; Constanza Abdenur, PhD; Anahi Salomon, PhD; Gustavo Rebagliatti, PhD; Austral Hospital

V007 WRAPPING THE MACE: LAPAROSCOPIC CECAL FUNDOPLICATION FOR ANTEGRADE ACCESS REFLUX Wendy Jo Svetanoff, MD, MPH; Rebecca M Rentea, MD, MS; Children's Mercy Hospital - Kansas City

S021 LAPAROSCOPIC APPROACH TO INFLAMMATORY BOWEL DISEASE IN CHILDREN - 15-YEAR EXPERIENCE Igor Poddoubnyi¹; Michael Kozlov²; Mahmud Ismailov¹; Anatole Kotlovsky³; Elmira Alieva⁴; Vladimir Trounov⁴; Kirill Tolstov⁴; Valentin Sitkov¹; Anton Malashenko⁴; ¹Department of Pediatric Surgery, A.I. Yevdokimov Moscow State University of Medicine and Dentistry, Moscow; ²Department of Pediatric surgery, Morozov Central Children's Hospital, Moscow; ³Department of Pediatric Surgery, Z.I. Krouglaya Central Children's Hospital, Oryol; ⁴Department of Pediatric Surgery, Federal Scientific and Clinical Center of Children and Adolescents FMBA of Russian Federation, Moscow

2:30 PM - 3:30 PM

SS4: Gastrointestinal I

Moderators: Aaron Lipskar, MD; Maximiliano Maricic, MD; Bradley Segura, MD

S022 INTRAOPERATIVE ENDOSCOPIC ASSISTANCE AS AN ADJUNCT TO MINIMALLY INVASIVE SURGERY IN PEDIATRICS Carlos García-Hernández, MD; Lourdes Carvajal-Figueroa, MD; Christian Archibaldo-García, MD; Ariadna Alvelais, MD; Sergio Landa-Juarez, MD; Hospital Infantil Privado

V008 PER-ORAL PYLOROMYOTOMY James Wall, MD; Auriel August, MD; Maheen Hassan, MD; Stanford

S023 IMPLEMENTATION OF ENHANCED RECOVERY PROTOCOLS REDUCES OPIOID USE IN PEDIATRIC LAPAROSCOPIC HELLER MYOTOMY Olivia A Keane, MD; Goeto Dantes, MD; Kurt F Heiss, MD; Emory University

S024 PEDIATRIC GASTROSTOMY TUBE PLACEMENT: LESS COMPLICATIONS WITH LAPAROSCOPIC APPROACH Rebecca A Saberi, MD¹; Gareth P Gilna, MD¹; Antoine J Ribieras, MD¹; Alessia C Cioci, MD¹; Eva M Urrechaga, MD¹; Joshua P Parreco, MD²; Eduardo A Perez, MD¹; Juan E Sola, MD¹; Chad M Thorson, MD, MSPH¹; ¹University of Miami, DeWitt Daughtry Family Department of Surgery, Division of Pediatric Surgery; ²Lawnwood Regional Medical Center, Department of Trauma and Critical Care Surgery

S025 MODIFIED LAPAROSCOPIC GASTROSTOMY TUBE PLACEMENT IN CHILDREN: DOES SUBCUTANEOUS SUTURE TYPE MATTER? Alicia G Sykes, MD; James M Prieto, MD; Hariharan Thangarajah, MD, MPH; Karen M Kling, MD; Benjamin A Keller, MD; Romeo C Ignacio, MD; David A Lazar, MD; Division of Pediatric Surgery, Department of Surgery, University of California San Diego

S026 SIZE MATTERS: EARLY GASTROSTOMY BUTTON DISLODGEEMENT IN CHILDREN Paul M Jeziorczak, MD, MPH¹; Riley S Frenette, BA²; Joan E Lee, BS, BA³; Sarah C Coe, BSE³; Charles J Aparahamian, MD¹; ¹Children's Hospital of Illinois; ²A.T. Still University- Kirksville College of Osteopathic Medicine; ³University of Illinois College of Medicine Peoria

S027 WEIGHT LOSS AFTER SLEEVE GASTRECTOMY IN CHILDREN 14 YEARS AND YOUNGER Numa P Perez, MD¹; Cornelia L Griggs, MD²; Jennifer R DeFazio, MD³; Jeffrey L Zitsman³; ¹Massachusetts General Hospital; ²MassGeneral Hospital for Children; ³New York-Presbyterian Morgan Stanley Children's Hospital

S028 ROBOTIC-ASSISTED VERTICAL SLEEVE GASTRECTOMY IN ADOLESCENTS: DO BMI LIMITS APPLY? Maria C Mora, MD; Karen A Diefenbach, MD; Marc P Michalsky, MD, MBA; Nationwide Children's Hospital

S029 THE EFFECT OF BOTULINUM TOXIN IN EXPERIMENTAL HYPERTROPHIC PYLORIC STENOSIS Mehmet Sarikaya; Ilhan Ciftci; Nejat Unlukal; Tamer Sekmenli; Metin Gunduz; Selcuk University

3:30 PM - 3:40 PM

What Would You Do? Case questions from junior IPEG members

Moderator: Irving Zamora, MD; **Presenters:** Irving Zamora, MD & Jose Diaz-Miron, MD

3:40 PM - 4:40 PM

SS5: Gastrointestinal II

Moderators: Mahmoud Elfiky, MD; Romeo Ignacio, MD; Charles Leys, MD

S030 FUNDOPLICATION WITHOUT ESOPHAGOCRURAL SUTURES: LONG-TERM FOLLOW-UP FROM A RANDOMIZED TRIAL Kayla B Briggs, MD; Wendy Jo Svetanoff, MD, MPH; James A Fraser, MD; Charles L Snyder, MD; Pablo Aguayo, MD; David Juang, MD; Rebecca M Rentea, MD, MS; Richard J Hendrickson, MD; Jason D Fraser, MD; Tolulope A Oyetunji, MD; George W Holcomb III, MD; Shawn D St Peter, MD; Children's Mercy

S031 NATIONWIDE OUTCOMES AND READMISSION AFTER PEDIATRIC FUNDOPLICATION Gareth P Gilna, MD¹; Rebecca A Saberi, MD¹; Antoine J Ribieras, MD¹; Joshua P Parreco, MD, FACS²; Eduardo A Perez, MD, FACS¹; Juan E Sola, MD, FACS¹; Chad M Thorson, MD, MSPH, FACS¹; ¹DeWitt Daughtry Family Department of Surgery University of Miami/Jackson Health System; ²Lawnwood Regional Medical Center

V009 LAPAROSCOPIC PARTIAL PANCREATECTOMY USING A 5MM STAPLER IN A PRENATALLY DIAGNOSED GASTRIC DUPLICATION CYST Soledad Heredia, PhD; Daniel R Russo, PhD; German F Falke, PhD; Sofia Marchionatti, PhD; Leandro M Berberian, PhD; Constanza Abdenur, PhD; Anahi Salomon, PhD; Adolfo Etchegaray, PhD; Austral Hospital

V010 LAPAROSCOPIC TREATMENT OF JEJUNOILEAL ATRESIA - NEW CHALLENGES IN NEONATAL MINIMALLY INVASIVE SURGERY Yury Kozlov, PhD¹; Simon Poloyan²; Konstantin Kovalkov³; Vadim Kapuller, MD⁴; ¹Pediatric Hospital Irkutsk; ²Krasnoyarsk Center of Maternity and Childhood; ³Kemerovo Regional Children's Hospital; ⁴Assuta University Medical Center, Israel

S033 LAPAROSCOPIC-ASSISTED APPROACH FOR INTESTINAL DUPLICATIONS IN INFANTS: 15 YEARS OF EXPERIENCE IN A SINGLE CENTER. Neil Di Salvo; Giovanni Parente; Tommaso Gargano; Michela Maffi; Mario Lima; Pediatric Surgery Unit, Sant'Orsola University-Hospital, Bologna

S034 EFFECTS OF INTRAPERITONEAL BUPIVACAINE INJECTION IN LAPAROSCOPIC APPENDECTOMY IN CHILDREN ON POSTOPERATIVE PAIN: A CONTROLLED RANDOMIZED DOUBLE BLINDED STUDY Ergun Ergun¹; Anar Qurbanov¹; Gulnur Gollu¹; Ufuk Ates¹; Sumeyye Sozduyar¹; Meltem Bingol-Kologlu¹; Aydin Yagmurlu¹; Murat Cakmak¹; Ozlem Selvi Can²; ¹Ankara University Faculty of Medicine, Department of Pediatric Surgery; ²Ankara University Faculty of Medicine, Department of Anesthesiology and Renimation

S035 MINIMALLY INVASIVE SURGERY IN SURGICAL TREATMENT OF ABDOMINAL LYMPHATIC MALFORMATIONS IN CHILDREN Daria Diehtiarova, MD; Iryna Benzar, MD, PhD, Professor; Oleg Godik, MD, PhD; Pediatric Surgery Department, Bogomolets National Medical University, Kyiv, Ukraine

S036 PERITONEAL TUBERCULOSIS: ARE LAPAROSCOPIC FINDINGS ALWAYS TYPICALLY? Marwa Messaoud; Myriam Ben Fredj; Salma Mani; Sabrine Ben Youssef; Sabrine Ben Ammar; Sami Sfar; Sana Mosbah; Samia Belhassen; Rachida Laamiri; Amine Ksia; Lassaad Sahnoun; Mongi Mekki; Mohsen Belghith; Department of Pediatric Surgery Monastir Tunisia

4:40 PM – 5:10 PM

Symposium: KARL STORZ Endoscopy and their commitment to the care of children around the world: Then, Now and in the Future *Non-CME*

Speakers: Ciro Esposito, MD, PhD; Todd Ponsky, MD; Steven Rothenberg, MD; and Samir Pandya, MD

5:10 PM - 6:00 PM

Scientific Talks: Worst Nightmare Session

Moderators: Matthew Clifton, MD; Carroll (Mac) Harmon, MD, PhD; Samir Pandya, MD;
Todd Ponsky, MD

WN01 Hemorrhage after Nuss Procedure; Jeffrey Zitsman; MD

WN02 Bilateral tension pneumothoraces following Nuss bar removal. Michael Leinwand, MD

WN03 Complications with Central Venous Catheter and Port Placement; Jack Murfee, MD

WN04 ESOPHAGEAL ATRESIA, ANNULAR PANCREAS, ANORECTAL MALFORMATION AND ANTRAL MEMBRANE; Spyros Spyarakos, MD

WN05 Entrapment of the transanastomotic tube while I finished the esophageal anastomotomosis; Cristobal Adolfo Abello Munarriz, MD

WN06 Near Fatal Attraction: The unexpected consequences of surgical magnets; Steven Rothenberg, MD

Monday, June 14, 2021

9:00 AM - 9:05 AM

Welcome - President's Message

9:15 AM - 10:15 AM

SS6: Genitourinary and Basic Science

Moderators: Suad Abul, MD; Lena Perger, MD; Sabine Zundel, MD, MME

S037 THE LINKAGE BETWEEN URETERAL TELOCYTES, SK3 CHANNEL EXPRESSION AND LOCAL INFLAMMATION AMONG CONGENITAL HYDRONEPHROSIS PATIENTS Michal Wolnicki, PhD¹; Veronika Aleksandrovykh, dr²; Krzysztof Gil, Professor²; Rafal Chrzan, Professor¹; ¹Department of Pediatric Urology, Jagiellonian University Medical College, 265th Wielicka St., 30-663 Krakow, Poland; ²Department of Pathophysiology, Jagiellonian University Medical College, 18th Czysa St., 31-121 Krakow, Poland

S038 URETERO-PELVIC JUNCTION OBSTRUCTION: CONSIDERATIONS ON THE APPROPRIATE TIMING OF CORRECTION BASED ON AN INFANT POPULATION TREATED WITH A MINIMALLY INVASIVE TECHNIQUE. Neil Di Salvo; Giovanni Parente; Tommaso Gargano; Chiara Cordola; Mario Lima; Pediatric Surgery Unit, Sant'Orsola University-Hospital, Bologna

S039 ROBOT-ASSISTED LAPAROSCOPIC PYELOPLASTY (RALP) IN CHILDREN WITH COMPLEX PELVI-URETERIC JUNCTION OBSTRUCTION(PUJO): RESULTS OF A MULTICENTRIC EUROPEAN STUDY. Ciro Esposito¹; Lorenzo Masieri²; Thomas Blanc³; Mariapina Cerulo¹; Quentin Ballouhey⁴; Fulvia Del Conte¹; Laurent Fourcade⁴; Vincenzo Coppola¹; Giuseppe Autorino¹; Maria Escolino¹; ¹Federico II University of Naples, Naples, Italy; ²Meyer Children Hospital, Florence, Italy; ³Hôpital Necker-Enfants Malades, Paris, France; ⁴Hopital de la Mère et de l'Enfant, Limoges, France

S040 TRANS PERITONEAL LAPAROSCOPIC PYELOPLASTY IN CHILDREN WITH RECURRENT PELVI URETERIC JUNCTION OBSTRUCTION: A VIABLE OPTION Chalapathi Gontumukkala, MS, MCh; Kurnool Medical College

S041 COMPARISON OF RETROPERITONEAL ROBOTIC VERSUS RETROPERITONEAL LAPAROSCOPIC PYELOPLASTY FOR URETEROPELVIC JUNCTION OBSTRUCTION IN CHILDREN Hiroyuki Koga, MD; Hiroshi Murakami, MD; Takanori Ochi, MD; Hiroki Nakamura, MD; Shogo Seo, MD; Yuihiro Miyake, MD; Go Miyano, MD; Geoffrey J Lane, MD; Atsuyuyi Yamataka, MD; Department of Pediatric Surgery Juntendo University School of Medicine

S042 MICRO-PCNL IN CHILDREN. DISILLUSION OR INAPPROPRIATE EXPECTATION? Ergun Ergun, Dr¹; Beytullah Yagiz, Dr²; ¹Ankara University Department Of Pediatric Surgery; ²19 Mayıs University Department Of Pediatric Surgery and Pediatric Urology

V011 LAPAROSCOPIC TRANS URETERO-URETEROSTOMY FOR UNILATERAL PRIMARY OBSTRUCTIVE MEGAURETER Ankur Mandelia, Dr; Ashwani Mishra, Dr; SGP GIMS, Lucknow, India

V012 LAPAROSCOPIC A-H PYELOPLASTY A MODIFIED TECHNIQUE OF URETERO-PELVIC ANASTOMOSIS. VS Narayana Kotte, MS, MCAH; Osmania Medical College

S043 TOWARD ESTABLISHING NEW GUIDELINES ON THE MANAGEMENT OF THE URETEROPELVIC JUNCTION OBSTRUCTION IN THE ERA OF LAPAROSCOPY: REVIEW OF THE LITERATURE AND META-ANALYSIS Yasmine Houas; Cyrine Saadi; Nesrine Chebil; Meriem Oumaya; Yosra Kerkeni; Sondes Sahli; Nada Sghairoun; Riadh Jouini; Children Hospital Bechir Hamza

10:15 AM - 10:25 AM

What Would You Do? Case questions from junior IPEG members

Moderator: Irving Zamora, MD; **Presenters:** Lucas Neff, MD & Nathan Novotny, MD

10:25 AM - 11:25 AM

SS7: Hernia I

Moderators: Katherine Barsness, MD; Karen Diefenbach, MD; Carolina Millan, MD

S044 LAPAROSCOPIC GROIN HERNIA REPAIR IN CHILDREN: HERNIORRHAPHY OR TRUE HERNIOTOMY – RELIABILITY IS THE ISSUE Anatole Kotlovsky, MD, PhD¹; Igor Poddoubny, MD, PhD²; Andrey Prityko, MD, PhD³; Vladimir Krougly, MD, PhD¹; Oleg Chernogoroff, MD¹; Vitaly Ovchinnikov, MD³; ¹Z.I. Krouglaya Central Children's Hospital, Oryol; ²Evdokimov State Medical University, Moscow; ³St Luka's Clinical & Research Centre for Children, Moscow

S045 SHOULD AN INCIDENTAL PATENT CONTRALATERAL PROCESSUS VAGINALIS IN A CHILD HAVING AN LPEC PROCEDURE FOR INGUINAL HERNIA BE TREATED? - A PROSPECTIVE STUDY Haruki Kato, MD¹; Go Miyano, MD, PhD¹; Toshiaki Takahashi, MD²; Shiho Yoshida, MD¹; Eiji Miyazaki, MD²; Takanori Ochi, MD¹; Shogo Seo, MD¹; Yuichiro Miyake, MD¹; Hiroyuki Koga, MD, PhD¹; Geoffrey J Lane, MD¹; Atsuyuki Yamataka, MD, PhD¹; ¹Pediatric General & Urogenital Surgery, Juntendo University School of Medicine, Tokyo, Japan; ²Department of Pediatric Surgery, Seirei Hamamatsu General Hospital, Shizuoka, Japan

S047 COMPARING THREE DIFFERENT METHODS OF INGUINAL HERNIA REPAIR IN CHILDREN: A SINGLE-CENTER EXPERIENCE Audelia Eshel Fuhrer, Dr; Yevhenii Yakir, Dr; Igor Sukhotnik, Prof; Yoav Ben-Shahar, Dr; Tal Koppelmann, Dr; Dept Pediatric Surgery, Dana-Dwek Children's Hospital, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

S048 RAPID ADOPTION OF LAPAROSCOPIC INGUINAL HERNIA REPAIR IN INFANTS – ANALYSIS OF SAFETY AND EFFICACY Melanie Justice; Camille Meschia; Robin Petroze; Shawn Larson; Janice Taylor; Moiz Mustafa; Saleem Islam; University of Florida

S049 SKIPPING THE CORD IN LAPAROSCOPIC PIRS: IS IT REASONABLE? Ergun Ergun¹; Beytullah Yagiz²; ¹Ankara University Faculty of Medicine, Department of Pediatric Surgery; ²Ondokuz Mayıs University, Faculty of Medicine, Department of Pediatric Urology

S050 LAPAROSCOPIC RECURRENT INGUINAL HERNIA REPAIR IN CHILDREN WHO UNDERWENT OPEN PROCEDURE Ergun Ergun¹; Beytullah Yagiz²; ¹Ankara University Faculty of Medicine, Department of Pediatric Surgery; ²Ondokuz Mayıs University, Faculty of Medicine, Department of Pediatric Urology

S051 SINGLE INCISION LAPAROSCOPIC PERCUTANEOUS EXTRAPERITONEAL CLOSURE OF INTERNAL RING FOR INCARCERATED INGUINAL HERNIA IN CHILDREN: A SINGLE CENTER EXPERIENCE WITH 102 CASES Tran N Son, PhD; Hoang V Bao, Dr; Saint Paul Hospital, Hanoi, Vietnam

S052 EXPERIENCE IN PERFORMING SINGLE-INCISION LAPAROSCOPIC PERCUTANEOUS EXTRAPERITONEAL CLOSURE FOR ABDOMINOSCROTAL HYDROCELE: A MINIMALLY INVASIVE APPROACH WITHOUT EXCISING THE HYDROCELE SAC Takahiro Jimbo, MD, PhD; Kouji Masumoto, MD, PhD; Hajime Takayasu; Toko Shinkai; Ysuhisa Urita; Kentaro Ono; Fumiko Chiba; Takato Sasaki; Yudai Gotoh; Tsubasa Aiyoshi; Nao Tanaka; Yasunari Tanaka; Akari Ito; Tetsuta Mizusaki; Tsukuba University

11:30 AM - 12:30 PM

SS8: Hernia II and Simulation Based Education

Moderators: Joanne Baerg, MD; Dafydd Davies, MD; David Juang, MD

S053 LAPAROSCOPIC MANAGEMENT OF INFANTILE HYDROCELE IN PEDIATRIC AGE GROUP Ahmed Elhaddad, MD; Sherif Shehata, MD; Mohamed Shehata, MD; Mohamed Awad, MD; Pediatric Surgery Unit, Surgery Department, Faculty of Medicine, Tanta University, Egypt.

S054 MINIMALLY INVASIVE TOTAL EXTRAPERITONEAL VARICOCELE REPAIR – FIRST DESCRIPTION IN CHILDREN Raphael N Vuille-dit-Bille, MD, PhD; Vivienne Sommer-Jørgensen, MD; Stefan G Holland-Cunz, MD; Martina Frech-Dörfler, MD; Department of Pediatric Surgery, University Children's Hospital of Basel, Switzerland

S055 IPEG 2020: THE VIRTUAL VIENNA EXPERIENCE Bethany Slater, MD¹; Matthew Clifton, MD²; Samir Pandya, MD³; ¹University of Chicago; ²Emory University; ³UT Southwestern Medical Center

S056 EFFECTIVENESS OF TELESIMULATION FOR MINIMAL INVASIVE SURGERY (MIS) ESSENTIALS SKILLS TRAINING. INITIAL EXPERIENCE IN A PEDIATRIC SURGICAL SIMULATION CENTER. Georgina Falcioni, MD; Hsien C Yang, MD; Maximiliano A Maricic, MD; Susana P Rodriguez, MD; Maria M Bailez, MD; Hospital de Pediatria Dr. JP Garrahan

S057 THE FUTURE OF MIS EDUCATION. ADVANTAGES OF TRAINING SIMULATORS AND OF ONLINE, WORLDWIDE CAPACITATION. Enrique Buela¹; Carolina Millan¹; Soledad Valverde¹; Ignacio Diaz Saubidet¹; Ruth Kaller¹; Mauricio Copete²; Juan Duenas²; Dario Varona²; Carlos Melo²; Fernando Rabinovich¹; Santiago Calello¹; Gaston Bellia Munzon¹; Pedro Villamizar Beltran²; ¹Fundacion Hospitalaria; ²Clinica Imbanaco, Cali, Colombia

S059 USEFULNESS OF SHORT-TERM TRAINING USING A DISEASE-SPECIFIC NEONATAL ESOPHAGEAL ATRESIA SIMULATOR FOR PEDIATRIC ENDOSCOPIC SURGERY Kyoichi Deie, MD, PhD¹; Hiroo Uchida, MD, PhD²; Akinari Hinoki, MD, PhD²; Tetsuya Ishimaru, MD, PhD³; Michimasa Fujiogi, MD⁴; Kazuki Yokota, MD, PhD²; Satoshi

Makita, MD, PhD²; Wataru Sumida, MD, PhD²; Takahisa Tainaka, MD, PhD²; Chiyo Shirota, MD, PhD²; Jun Fujishiro, MD, PhD⁴; ¹Department of Pediatric Surgery, Kitasato University Hospital; ²Department of Pediatric Surgery, Nagoya University Graduate School of Medicine; ³Department of Pediatric Surgery, Saitama Children's Medical Center; ⁴Department of Pediatric Surgery, Graduate School of Medicine, The University of Tokyo

S060 MTBOX1 TAKE-HOME TRAINING MODEL Ruth Kaller; Soledad Valverde; Ignacio Diaz Saubidet; Gaston Bellia Munzon; Enrique Buella; Santiago Calello; Fernando Rabinovich; Carolina Millan; Fundación Hospitalaria, Argentina

V013 IMPROVEMENTS IN PEDIATRIC SURGERY SIMULATION WITH USE OF SILICONE MODELING Maria C Mora, MD; Karen A Diefenbach, MD; Nationwide Children's Hospital

12:30 PM – 1:00 PM

IRCAD Lecture: The Gastrointestinal Microbiome – What matters to Pediatric Endosurgeons?

Commercial support for this lecture and the IRCAD award is generously provided by *KARL STORZ ENDOSCOPY*. *All decisions regarding content and speaker(s) have been made by IPEG/Cincinnati Children's independently.*

Keynote Speaker: Holger Till, MD



About the Speaker: Professor Holger Till is currently the Director of the Department of Paediatric and Adolescent Surgery at the Medical University of Graz, Austria, which is one of the largest centers of its kind in Central Europe. He is the Past President of IPEG, and served several societies like ESPES and EUPSA.

Dr. Till has a special interest in pediatric MIS, neonatal surgery and surgical oncology. He pioneered the laparoscopic sleeve gastrectomy as a stand-alone technique in adolescents with morbid obesity and developed this topic into a diversified scientific program focusing on gastrointestinal metabolism and its microbiome with latest gene sequencing techniques. HT has published more than 200 scientific articles in national and international indexed journals and gave over 300 presentations world wide.

Keynote Lecture: This lecture aims to familiarize the pediatric endosurgeons with the role of the microbiome in our field and outline future treatment options that could improve laparoscopic strategies.

The gastrointestinal microbiome consists of about 100 trillion live microorganisms building a complex ecosystem within the gut. Without it's microbiome the human gut would not be able to provide essential functions like nutrient metabolism, structural integrity of the gut mucosal barrier, immunomodulation and protection against pathogens.

Basically the "healthy" and the "unhealthy" microorganisms live in a balanced diversity. Any disbalance contributes to the development of diseases.

For pediatric surgeons this topic seems especially relevant, because normal microbial diversity develops in infancy and factors like neonatal diseases, intensive care, antibiotics and dieting may cause a long-term loss of biodiversity. Moreover disruptions of the intestinal microbiome play an essential role in necrotizing enterocolitis (NEC), small intestinal bacterial overgrowth (SIBO) or Hirschsprung's associated enterocolitis (HAEC).

SESSION OBJECTIVES:

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

- Understand the normal gut microbiota, their functional implications in gastrointestinal health and the biological insights that orchestrate these functions.
- Recognize the role of the gastrointestinal microbiome in the development of pediatric surgical diseases like Hirschsprung.
- Appraise the healthy microbiome as a “helper” of endosurgery.
- Recognize novel medical treatments to improve surgical outcome.

OUTLINE:

12:30pm Introduction - Mark Wulkan, MD

12:35pm Keynote Address - Holger Till, MD

1:00 PM - 1:30 PM

Symposium: Stryker: Advances in Pediatric Visualization

(Non-CME)

Presenter: Steven Rothenberg, MD - Chief of Pediatric Surgery, Rocky Mountain Pediatric Surgery

1:30 PM – 2:30 PM

Artificial Intelligence for the Pediatric Surgeon

SESSION CHAIR: Seth Goldstein, MD

Surgeons are heavy users of technology and will be at the forefront of healthcare applications of Artificial Intelligence (AI), which is no longer science fiction. This session will be curated for the practicing pediatric surgeon to address the basics of AI, including machine learning and computer vision, to discuss specific applications to contemporary surgical practice, and to broadly describe future trends in medicine.

SESSION OBJECTIVES:

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

- Classify the subfields of artificial intelligence
- Describe prior and ongoing surgical research that has employed artificial intelligence
- Predict the implications of advances in artificial intelligence to common pediatric surgical care

OUTLINE:

1:30pm The basics of artificial intelligence: machine learning, deep learning, and computer vision -
Bethany Slater, MD and Thomas Ward, MD

1:40pm Broad trends in biomedical artificial intelligence - Anthony Chang, MD

1:50pm Panel Discussion - Seth Goldstein, MD

2:00pm What has the computer ever done for me? Existing applications of artificial intelligence in surgery -
Anthony Tsai, MD

2:10pm Why we will all log in during time out: Future applications of artificial intelligence in surgery -
Amin Madani, MD, PhD

2:20pm Panel Discussion - Seth Goldstein, MD

2:30 PM - 3:30 PM

SS9: Thoracic

Moderators: Miguel Guelfand, MD; Aixa Reusmann, MD; Sohail Shah, MD, MSHA

S061 THORACOSCOPIC LOBECTOMY FOR CONGENITAL LUNG DISEASE IN INFANTS AND CHILDREN: A QUARTER OF A CENTURY EXPERIENCE WITH OVER 560 CASES. DEFINING A NEW STANDARD OF CARE. Steven Rothenberg; Rocky Mountain Hospital for Children

V014 THORACOSCOPIC LEFT MIDDLE LOBECTOMY IN A PATIENT WITH SITUS INVERSUS AND DEXTROCARDIA Jonathan Durgin, MD; Brianna Slatnick, MD; Danielle Cameron, MD, MPH; Craig Lillehei, MD; Farokh Demerhi, MD; Boston Children's Hospital

S062 THORACOSCOPIC ANTERIOR VERTEBRAL BODY TETHERING FOR IDIOPATHIC SCOLIOSIS IN ADOLESCENTS Steven Rothenberg; Jaren Riley, MD; Rocky Mountain Hospital for Children

S063 EFFICACY AND SAFETY OF PECTUS UP TECHNIQUE COMPARED TO THE MIRPE APPROACH TO CORRECT PECTUS EXCAVATUM. A PILOT STUDY Bernardo Núñez, MD; Natalia Álvarez, MD, PhD; Mireia Pérez-Gaspar, MD; Javier Jiménez, MD; Josué E. Betancourth, MD; Saioa Santiago, MD; Clara Esteva, MD; Javier Roberto Güizzo, MD; Paula Jiménez-Arribas, MD; Begoña San Vicente, MD; Hospital Universitari Parc Taulí Sabadell

V015 A SIMPLE TECHNIQUE FOR NUSS BAR EXCHANGE IN METAL ALLERGY David M Notrica, MD, FACS, FAAP¹; Dawn E Jaroszewski, MD²; Lisa E McMahon, MD, FACS, FAAP¹; ¹Phoenix Children's Hospital; ²Mayo Clinic College of Medicine and Science

S064 STAGED THORACOSCOPIC REPAIR OF LONG GAP ESOPHAGEAL ATRESIA Catarina Barroso, MD¹; Ana Raquel Silva, MD²; Sofia Ferreira de Lima, MD³; Ema Santos, MD³; Inês Braga, MD¹; Sofia Morão, MD³; Rafaela Murinello, MD³; Maria Knoblich, MD³; Cristina Borges, MD³; Rui Alves, MD³; Jorge Correia-Pinto, MD, PhD¹; ¹Department of Pediatric Surgery, Hospital de Braga; Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho; ²Department of Pediatric Surgery, Hospital de Braga; ³Department of Pediatric Surgery, Hospital Dona Estefânia

V016 MINIMALLY INVASIVE MANEUVERS FOR TYPE B TRACHEOESOPHAGEAL FISTULA AND LONG GAP ESOPHAGEAL ATRESIA: THORACOSCOPIC LIGATION, ENDOSCOPIC STENTING Woo S Do, MD; Christopher W Marenco, MD; Daniel G Cuadrado, MD, FACS; John D Horton, MD, FACS; Madigan Army Medical Center

S065 GRAFT DILATATION AND BARRETT'S ESOPHAGUS AFTER ESOPHAGEAL REPLACEMENT IN LONG-GAP ESOPHAGEAL ATRESIA, A TWO CENTER COMPARATIVE STUDY Stefaan Tytgat, MD, PhD¹; E. Sofie van Tuyll van Serooskerken, MD¹; Gabriele Gallo, MD²; Johannes Verweij, MD¹; David Van der Zee, MD, PhD¹; Jan Hulscher, MD, PhD²; Maud Lindeboom, MD, PhD¹; ¹University Medical Center Utrecht; ²University Medical Center Groningen

S066 LONG-TERM OUTCOME OF CORRECTION OF LONG-GAP ESOPHAGEAL ATRESIA BY THORACOSCOPIC EXTERNAL TRACTION TECHNIQUE Stefaan Tytgat, MD, PhD; E. Sofie van Tuyll van Serooskerken, MD; Johannes Verweij, MD; David Van der Zee, MD, PhD; Maud Lindeboom, MD, PhD; University Medical Center Utrecht

S072 Infectious Complications of Intercostal Nerve Cryoablation Mediated by Perioperative Hypothermia During Pediatric Nuss Procedure Nikkida T Bundrant, MD¹; Lois Sayrs, PhD²; Justin Lee, MD¹; Craig Egan, MD¹; David Notrica, MD¹; Daniel Ostlie, MD¹; ¹Division of Pediatric Surgery, Phoenix Children's Hospital; ²University of Arizona College of Medicine

3:40 PM - 4:40 PM

SS10: Solid Organ

Moderators: Lucas Neff, MD; Nathan Novotny, MD; Jessica Zagory, MD

V017 TRANSORAL ENDOSCOPIC THYROIDECTOMY VESTIBULAR APPROACH (TOETVA): A NOVEL SURGICAL TECHNIQUE FOR SCARLESS THYROIDECTOMY IN PEDIATRIC SURGERY Emre Divarci, Associate Professor¹; Hilmican Ulman, MD¹; Geylani Ozok, Professor¹; Samim Ozen, Professor²; Murat Ozdemir, MD³; Ozer Makay, Professor²; ¹Ege University Faculty of Medicine Department of Pediatric Surgery; ²Ege University Faculty of Medicine, Department of Pediatrics, Division of Pediatric Endocrinology; ³Ege University Faculty of Medicine, Department of General Surgery, Division of Endocrine Surgery

S067 ENDOSCOPIC SURGICAL APPROACH FOR PEDIATRIC SOLID TUMORS THAT PERMITS COMPLETE CURABILITY AND EXHIBITS COSMETIC ADVANTAGES Atsuhisa Fukuta; Satoshi Obata; Junkichi Takemoto; Naonori Kawakubo; Toshiharu Matsuura; Department of Pediatric Surgery, Reproductive and Developmental Medicine, Faculty of Medical Sciences, Kyushu University

V018 3D PRINTED MODEL AIDED IN MINIMALLY INVASIVE GANGLIONEUROBLASTOMA RESECTION Katlyn G McKay; Muhammad O Ghani, MBBS; Cameron Henry, MD; Sumit Pruthi; Harold N Lovvorn, MD; Irving J Zamora, MD; Vanderbilt University

S068 THOROSCOPIC RESECTION FOR THORACIC INLET NEUROBLASTIC TUMORS IN YOUNG CHILDREN Steven C Mehl, MD; Richard S Whitlock, MD; Sanjeev A Vasudevan, MD; Jed G Nuchtern, MD; Jennifer H Foster, MD; Bindi Naik-Mathuria, MD, MPH; Texas Children's Hospital

V019 LAPAROSCOPIC LEFT PARCIAL ADRENALECTOMY FOR LARGE ADRENAL CYST Catarina Barroso, MD^{1,2,3}; Inês Isabela Braga, MD^{1,2,3}; Emanuel Dias, MD^{1,3,4}; Jorge Correia-Pinto, MD, PhD^{1,2,3}; ¹Pediatric Surgery Department, Hospital CUF Porto; ²Pediatric Surgery Department, Hospital de Braga; ³Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho; ⁴Urology Department, Hospital de Braga

S069 SYNCHRONOUS BILATERAL ADRENALECTOMY FOR RARE CAUSE OF HYPERCORTISOLISM IN CHILDREN: FROM OPEN TO ROBOTIC SURGERY. A SINGLE-CENTER EXPERIENCE OF 27 YEARS Berenice Tulelli; Alix Besançon; Michel Polak; Sabine Sarnacki; Thomas Blanc; Necker Enfants-Malades University Hospital

S070 LAPAROSCOPIC (HEMI)NEPHRECTOMY (LN) FOR WILMS' TUMOR Maciej Murawski, PhD¹; Joanna Stefanowicz, Prof²; Marcin Losin, PhD¹; Andrzej Golebiewski, Prof¹; Piotr Czauderna, Prof¹; ¹Department of Surgery and Urology for Children and Adolescents, Medical University of Gdansk; ²Department of Pediatrics, Hematology and Oncology, Medical University of Gdansk, Poland

S071 PEDIATRIC NEPHRECTOMY: COMPARISON OF PERIOPERATIVE OUTCOMES OF 3 DIFFERENT MINIMALLY INVASIVE AND OPEN APPROACHES Hazem Mosa, Mr; Adele Giannettoni; Pankaj Mishra, Mr; Arash Taghizadeh; Anu Paul, Ms; Massimo Garriboli, Mr; Evelina Children's Hospital London

4:55 PM – 6:05 PM

SS: Innovations

Non-CME

Moderators: Saleem Islam, MD; Leslie Knod, MD; and Bethany Slater, MD

IS001 AS AN ARTIFICIAL INTELLIGENCE SUBTYPE, DEEP LEARNING STUDY FOR DIFFERENTIATION AND IMAGE RECOGNITION OF FILLED OR EMPTY ORGAN LUMENS: A STUDY ON A MEDICAL IMAGING IN CHILDREN. Baran Tokar, MD¹; Ozer Celik, PhD²; Tehran Abbasov, MD¹; Ilknur Ak Sivrikoz³; ¹Eskisehir Osmangazi University,

School of Medicine, Department of Pediatric Surgery, Eskisehir, Turkey; ²Eskisehir Osmangazi University, Faculty of Science, Department of Mathematics-Computer, Eskisehir, Turkey; ³Eskisehir Osmangazi University, School of Medicine, Department of Nuclear Medicine, Eskisehir, Turkey

IS002 EXPERIENCE OF THORACOSCOPIC ESOPHAGEAL RECONSTRUCTION FOR 53 PATIENTS WITH PURE ESOPHAGEAL ATRESIA Jun Wang; Yangwen Lin; Wenjie Wu; Jia Shi; Yiming Gong; Wei Xie; Juming Yu; Department of Pediatric Surgery, Xinhua Hospital, Shanghai Jiao Tong University School of Medicine

IS003 OVERCOMING THE TECHNICAL LIMITATIONS OF INTRAOPERATIVE RECURRENT LARYNGEAL NERVE MONITORING IN NEWBORNS AND INFANTS Jay Meisner, MD¹; Claire M Lawlor, MD²; Sukgi Choi, MD¹; Benjamin Zendejas, MD, MSc¹; ¹Boston Children's Hospital, Boston, MA; ²Children's National Hospital, Washington, DC

IS004 AUGMENTED REALITY POWERED SIMULATION TRAINING FOR MINIMALLY INVASIVE SURGERY Hsien F Yang Chen, MD¹; Georgina F Falcioni, MD¹; Maximiliano M Maricic, MD²; Juan M Rojo, Ing³; María Marcela F Bailez, MD¹; ¹Garrahan Children's Hospital; ²Pedro de Elizalde Children's Hospital; ³Independent

IS005 DIAGNOSING APPENDICITIS BY ULTRASOUND WITH ARTIFICIAL INTELLIGENCE Kentaro Hayashi, MD¹; Tetsuya Ishimaru, MD¹; Jaesung Lee²; Shun Hirai²; Tomoaki Ooke²; Takahiro Hosokawa, MD³; Kanako Omata, MD¹; Yohei Sanmoto, MD¹; Tomo Kakihara, MD¹; Hiroshi Kawashima, MD¹; ¹Saitama Children's Medical Center, Department of Pediatric Surgery; ²Morpho, Inc.; ³Saitama Children's Medical Center, Department of Radiology

IS007 ESOPHAGEAL MAGNAMOSIS FOR THE TREATMENT OF TYPE-B ESOPHAGEAL ATRESIA IN A CHILD WITH PROHIBITIVE OPERATIVE RISK: A NOVEL DEVICE AND INDICATION Irving J Zamora, MD, MPH¹; Muhammad Owais Abdul Ghani, MD¹; Lauren L Evans, MD²; Nathan M Novotny, MD¹; Lyndy J Wilcox, MD¹; Harold N Lovvorn, MD¹; Kristina A Betters, MD¹; Mohammad Sahlabadi, PhD¹; Matthew R Lucas, BSN¹; Jeffrey S Upperman, MD¹; Oliver J Muensterer, MD³; Michael R Harrison, MD²; ¹Monroe Carell Jr. Children's Hospital at Vanderbilt; ²University of California San Francisco; ³Dr. von Hauner Children's Hospital

IS008 A NOVEL LOW COST MINIMALLY INVASIVE SYSTEM ALLOWS FOR THE TRANSLATION OF MODERN PEDIATRIC SURGICAL TECHNOLOGY TO LOW- AND MIDDLE-INCOME COUNTRIES Jeffrey Lukish, MD¹; Jasmine Ellis Daveys, MD²; Tae Kim, MD³; ¹Children's National Hospital; ²Milton Kato Memorial Hospital, St Vincent and the Grenadines; ³University of Minnesota Health System

IS009 ARTIFICIAL INTELLIGENCE AND COMPUTER-AIDED IMAGE DIAGNOSIS IN PEDIATRIC SURGERY: AUTOMATED DETECTION OF PYLORIC STENOSIS WITH ULTRASONOGRAPHY Alejandra M Casar Berazaluze, MD¹; Ravi Yadav¹; Smruti Deoghare¹; Alexander Gibbons, MD²; Surya Prasath¹; Todd A Ponsky¹; Beth A Rymeski¹; ¹Cincinnati Children's Hospital Medical Center; ²Akron Children's Hospital

IS010 LAPAROSCOPIC GASTROPEXY USING T-FASTENERS WITHOUT THE EXTERNAL BOLSTER Brianna L Slatnick, MD¹; Jonathan Durgin, MD¹; Alexander Yang, BS²; Robert Crum, MD¹; Corinne Neumeyer³; Heung Bae Kim, MD¹; Farokh R Demehri, MD¹; ¹Boston Children's Hospital; ²Harvard Medical School; ³Connecticut College

IS011 NOLAPSE – THE STOMAL PROLAPSE PREVENTION DEVICE Caressa Chen, MD¹; Mohammad Sahlabadi, PhD¹; Folarin Erogbogbo, PhD²; Sunghoon Kim, MD¹; Olajire Idowu, MD¹; ¹UCSF; ²San Jose State University

IS012 INITIAL CLINICAL EXPERIENCE WITH A NEW VESSEL SEALING TECHNOLOGY Bethany Slater, MD, MBA¹; Irving Zamora, MD, MPH²; Steven Rothenberg, MD³; ¹Comer Children's Hospital, University of Chicago Medicine; ²Vanderbilt Children's Hospital; ³Rocky Mountain Hospital for Children

IS013 A NOVEL MULTI-FUNCTIONAL DEVICE SYSTEM FOR ENDOLUMINAL CREATION OF A PRIMARY ESOPHAGEAL ANASTOMOSIS FOR THE TREATMENT OF ESOPHAGEAL ATRESIA Lauren L Evans, MD; Mohammad Sahlabadi, PhD; Caressa Chen, MD; Mohammad Karimzada, MD; Michael R Harrison, MD; University of California San Francisco

IS014 STORYCASTS: A NOVEL APPROACH TO INTERACTIVE SURGICAL EDUCATION [Rodrigo Gerardo](#); Ramy Shaaban; Todd Ponsky; Cincinnati Children's Hospital Medical Center

IS058 THE ROLE OF MOTION TRACKING IN ASSESSING TECHNICAL SKILL ACQUISITION USING A NEONATAL 3D-PRINTED THORACOSCOPIC ESOPHAGEAL ATRESIA/TRACHEO-ESOPHAGEAL FISTULA SIMULATOR [Clara Choi](#)¹; Nicola Luenenschloss²; David Nair²; Nick Cook²; Rory Jones³; Spencer W Beasley²; Jonathan M Wells²; ¹University of Otago; ²Christchurch Hospital; ³Symulus

6:05 PM - 6:15 PM

Closing & Awards

Moderators: Lena Perger, MD (Chair- Research Committee), Seth Goldstein, MD (Chair- New Innovative Spaces Committee), Samir Pandya, MD & Matthew Clifton, MD (Program co-chairs)

- **Research Grant Award** - One winner from the Research Grant applications is selected to receive a \$5,000USD grant.
- **IRCAD Award** - Generously supported by KARL STORZ ENDOSCOPY, one fellow is selected to travel to IRCAD, Strasbourg, France to participate in a course in pediatric minimally invasive surgery at the world famous European Institute of Telesurgery. The top 15 highest scored abstracts are eligible for review and the winner (judged on combination of written submission and live presentation) is selected by the Research Committee.
- **Innovation Award** - One winner selected from the abstracts presented at the Innovations Session.
- **International Award - New for 2021!** Four awards (Complimentary 2022 IPEG membership and congress registration fees) for an outstanding international abstract selected from top 10 highest scoring international scientific abstracts live presentations.

On-Demand Content:

IPEG Cinema (Video Abstract Presentations)

V020 NEEDLE LOSS IN MINIMAL INVASIVE SURGERY IS A REAL CHALLENGE : INNOVATIVE TECHNIQUE FOR RETRIEVAL [Mohammed Elifranji, Dr](#); Santiago Vallasciani, Dr; Bruno Lesile; Abderrahman Elkadhi; Sidra Medicine

V021 ROBOTIC GASTROTOMY AND BEZOAR REMOVAL IN A SIX-YEAR-OLD [Lior Kopel](#)¹; Joshua Volin¹; Anthony Iacco, MD²; Begum Akay, MD²; Pavan Brahmamdam, MD, MS²; ¹Oakland University William Beaumont School of Medicine; ²Beaumont Health System

V022 ROBOTIC TOTAL EXCISION OF A SPLENIC CYST IN A 16 YEAR-OLD ADOLESCENT [Emre Divarci, Associate Professor](#); Javid Naghiyev, Resident; Ahmet Celik, Professor; Orkan Ergun, Professor; Geylani Ozok, Professor; Ege University Faculty of Medicine, Department of Pediatric Surgery

V023 CREATIVE TIPS REPAIRING MALFUNCTIONED PERITONEAL DIALYSIS (PD) CATHETER USING THE LAPAROSCOPIC APPROACH. [Amar A Alnaqi, MD, MBBCh, FRCS](#)¹; [Yaqoub Jafar, MD](#)²; V Gupta, MD²; Esmael Taqi, MD, FRCS²; ¹Kuwait University; ²Ministry Of Health

V024 ROBOTIC ASSISTED SWENSON PULL-THROUGH FOR HIRSCHSPRUNG'S DISEASE [Emre Divarci, Associate Professor](#); Denizay Avci, Resident; Hilmican Ulman, Resident; Ahmet Celik, Professor; Orkan Ergun, Professor; Geylani Ozok, Professor; Ege University Faculty of Medicine, Department of Pediatric Surgery

V025 LAPAROSCOPIC RECTOSIGMOID COLON RESECTION IN A CASE OF FUNCTIONAL CONSTIPATION RESISTANT TO MEDICAL THERAPY Hilmican Ulman, MD; Emre Divarci, Associate Professor; Ahmet Celik, Professor; Orkan Ergun, Professor; Geylani Ozok, Professor; Ege University Faculty of Medicine Department of Pediatric Surgery

V026 ENDOSCOPIC-ASSISTED SALVAGE ANORECTOPLASTY AFTER FAILED PERINEAL FISTULA REPAIR Farah E Doughan, BS¹; Alex W Rosencrance, BS¹; Mark B Slidell, MD, MPH²; ¹Pritzker School of Medicine, The University of Chicago; ²Comer Children's Hospital, The University of Chicago Medicine

V027 SINGLE INCISION LAPAROSCOPIC (SILS) APPENDICOSTOMY CREATION FOR BOWEL MANAGEMENT Cristine S Velazco, MD, MS; Nelson G Rosen, MD; Aaron P Garrison, MD; Cincinnati Children's Hospital

V028 LAPAROSCOPIC MODIFIED SWENSON'S PROCEDURE FOR HIRSCHSPRUNG'S DISEASE: TECHNICAL CONSIDERATIONS AND INITIAL EXPERIENCE Ankur Mandelia, Dr; Yousuf Siddiqui, Dr; Ashwani Mishra, Dr; SGPGIMS, Lucknow, India

V029 RETURN OF THE BANANA KNIFE: AN ALTERNATIVE INSTRUMENT FOR THE LAPAROSCOPIC PYLOROMYOTOMY Heather M Grant, MD¹; Kevin P Moriarty, MD, FACS, FAAP²; Gregory T Banever, MD, FACS, FAAP²; Victoria K Pepper, MD²; David B Tashjian, MD, FACS, FAAP²; Michael V Tirabassi, MD, FACS, FAAP²; ¹UMass Medical School - Baystate; ²Baystate Children's Hospital

V030 LAPAROSCOPIC ROUX-EN-Y GASTROJEJUNOSTOMY IN A 2 YEARS OLD CHILD WITH GASTRIC OUTLET OBSTRUCTION Emre Divarci¹; Ozge Kilic¹; Hudaver Alper²; Miray Karakoyun³; Sema Aydogdu³; ¹Ege University, Faculty of Medicine, Department of Pediatric Surgery; ²Ege University Faculty of Medicine, Department of Pediatric Radiology; ³Ege University Faculty of Medicine, Department of Pediatric Gastroenterology

V031 LAPAROSCOPIC PYLORUS PRESERVING PANCREATODUODENECTOMY FOR PANCREATIC HEAD ARTERIOVENOUS MALFORMATION IN A 2-YEAR INFANT Sokolov Yuri, MD¹; Efremenkov Artem, MD¹; Vilesov Aleksei²; Karaseva Olga, MD³; Haritonova Anastasia, MD³; Kotlovsky Anatoly, MD¹; ¹Russian Medical Academy of Continuous Professional Education; ²St Vladimir Children's Hospital; ³Clinical and Research Institute of Emergency Pediatric Surgery and Trauma

V032 SUPERIOR MESENTERIC SYNDROME LAPAROSCOPIC DUODENO-JEJUNOSTOMY VS Narayana Kotte, MS, MCh; Osmania Medical College

V033 EARLY LAPAROSCOPIC DUODENOJEJUNOSTOMY SHOULD BE PERFORMED IN ADOLESCENT FEMALES WITH ANOREXIA AND CONSECUTIVE SUPERIOR MESENTERIC ARTERY SYNDROME (SMAS) - A CASE REPORT WITH VIDEO PRESENTATION Thomas M Benkoe, MD; Patrick Sezen, MD; Martin L Metzelder, MD; Department of Pediatric Surgery

V034 LAPAROSCOPIC CYSTOGASTROSTOMY IN A PATIENT WITH PANCREATIC PSEUDOCYST FOLLOWED BY MSUD Firat Serttürk; Anar Qurbanov; Ergun Ergün; Gülnur Göllü; Meltem Bingöl Kologlu; Sumeyye Sozduyar; Ankara University Faculty of Medicine, Department of Pediatric Surgery

V035 SINGLE INCISION LAPAROSCOPIC GASTROSTOMY BUTTON PLACEMENT: A SIMPLE AND EFFECTIVE TECHNIQUE Michael J Leinwand, MD; Bronson Children's Hospital

V036 "WHEN IN DOUBT" – THE DIAGNOSTIC CHALLENGES OF GASTRIC DUPLICATION CYSTS IN CHILDREN: A CASE REPORT AND VIDEO PRESENTATION Anja C Weinhandl, MD; Thomas M Benkoe, MD; Martin L Metzelder, MD; Department of Pediatric Surgery

V037 GALLBLADDER AGENESIA, AN UNEXPECTED INTRASURGICAL DIAGNOSIS Joaquín Camacho, MD; Santiago Calello, MD; Gastón Elmo, MD; Hospital Italiano de Buenos Aires

V038 LAPAROSCOPIC HEPATICO-JEJUNOSTOMY FOR CONGENITAL BILIARY DILATATION WITH ABERRANT RIGHT HEPATIC ARTERY AND BILIARY TRACT Shun Onishi, MD, PhD; Tatsuru Kaji, MD, PhD; Koji Yamada, MD,

PhD; Mayu Matsui, MD; Ayaka Nagano, MD; Masakazu Murakami, MD; Koshiro Sugita, MD; Keisuke Yano, MD; Toshio Harumatsu, MD; Waka Yamada, MD, PhD; Makoto Matsukubo, MD; Mitsuru Muto, MD, PhD; Satoshi Ieiri, MD, PhD; Department of Pediatric Surgery, Kagoshima University

V039 HEPATODUODENAL TERATOMA ARISING FROM COMMON HEPATIC DUCT Malek E Ayoub, BS¹; Abdul-Rahman K Abdel-Raheem, BS¹; Tamer Ashraf, MD²; Sabina Siddiqui, MD³; ¹Medical College of Wisconsin; ²Mansoura University; ³Children's Wisconsin

V040 THE "SHIFT" SHUNT: SUPRAHEPATIC INTRAFALCIFORM TUBING PLACEMENT FOR PLACEMENT OF VENTRICULOPERITONEAL SHUNTS Cody Lendon Mullens, MPH; Jesse Lawrence, MD; Hal Meltzer, MD; Dan W Parrish, MD; West Virginia University School of Medicine

V041 UNCOMMON FINDING DURING COMMON PROCEDURE Malgorzata Fryczek; Wojciech Górecki, PhD; Department of Pediatric Surgery, Jagiellonian University Medical College, University Children's Hospital of Cracow, Poland

V042 INFANT WITH BILATERAL PULMONARY SEQUESTRATIONS WITH COMMON VENOUS DRAINAGE EXCISED BY VIDEO-ASSISTED THORACIC SURGERY Kan Suzuki, MD, PhD; Jun Fujishiro, MD, PhD; Mariko Yoshida, MD, PhD; Eiichiro Watanabe, MD, PhD; Kotaro Tomonaga, MD; Kazue Miyake; The University of Tokyo Hospital

V043 MANAGEMENT OF BRONCHO-ESOPHAGEAL FISTULA AFTER BUTTON BATTERY INGESTION Katherine C Ott, MD¹; Jamie C Harris, MD¹; Katherine A Barsness, MD¹; Jesse Arseneau¹; Saied Ghadersohi, MD²; Mehul V Raval, MD¹; ¹Ann and Robert H. Lurie Children's Hospital, Division of Pediatric Surgery; ²Ann and Robert H. Lurie Children's Hospital, Division of Otorhinolaryngology - Head and Neck Surgery

V044 TRAUMATIC DIAPHRAGMATIC INJURY IN A CHILD: THE VALUE OF THORACOSCOPY IN SURGICAL EXPLORATION Sara C Fernandes, MD; Sofia Vasconcelos-Castro, MD; Gabriela Reis, MD; Miguel Soares-Oliveira, MD; Department of Pediatric Surgery - Centro Hospitalar Universitário São João

V045 THORACOSCOPIC REMOVAL OF AN INTRATHORACIC EXOSTOSIS OF THE POSTERIOR ARCH OF THE SECOND LEFT RIB CAUSING A SYMPTOMATIC COMPRESSION OF THE THIRD INTERCOSTAL NERVE Jerry Kieffer, MD; Monika Glass, MD; Paul Philippe, MD; Cindy Gomes, MD; Flaum Valérie, MD; Kannerklinik Luxembourg

V046 THORACOSCOPIC LEFT UPPER LOBECTOMY FOR CONGENITAL LOBAR EMPHYSEMA AND BRONCHOGENIC CYST EXCISION. Parker R Mullen, MD; James D Roy, MD; Charles W Hartin, Jr., MD, FACS, FAAP; Hanna Alemayehu, MD, FACS, FAAP; USA Health

V047 RIGHT CONGENITAL DIAPHRAGMATIC HERNIA OR EVENTRATION? THORACOSCOPIC EVALUATION AND REPAIR Modupeola Diyaolu, MD; Rachel Landisch, MD; Matias Bruzoni, MD, FACS; Stanford University Medical Center

V048 SUCCESSFUL TRANSECTION OF AN H-TYPE TRACHEOESOPHAGEAL FISTULA USING A 5MM STAPLER FOLLOWED BY 4K ULTRA-HIGH-DEFINITION THORACOSCOPIC REPAIR. Takanori Ochi¹; Yuichiro Miyake¹; Masafumi Tanaka¹; Shogo Seo¹; Go Miyano¹; Hiroyuki Koga¹; Geoffrey J Lane¹; Kumi Kataoka²; Kinya Nishimura²; Atsuyuki Yamataka¹; ¹Department of Pediatric General and Urogenital Surgery, Juntendo University School of Medicine; ²Department of Anesthesiology and Pain Medicine, Juntendo University School of Medicine

V049 ZINNER SYNDROME: AN UNEXPECTED CASE REPORT Inês Braga, MD^{1,2,3}; Catarina Barroso, MD^{1,2,3}; Nuno Morais, MD⁴; José Luís Carvalho, MD⁵; Emanuel Dias, MD^{2,3,4}; Jorge Correia-Pinto, MD, PhD^{1,2,3}; ¹Department of Pediatric Surgery, Hospital de Braga, Braga, Portugal; ²Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho, Braga, Portugal; ³ICVS/3B's – PT; Government Associate Laboratory,

Braga/Guimarães, Portugal; ⁴Department of Urology, Hospital de Braga, Braga, Portugal; ⁵Department of Pediatric Surgery, Hospital de Braga, Braga, Portugal

V050 AN UNUSUAL CAUSE OF GROSS HEMATURIA : RENAL PAPILLARY HYPERTROPHY [Guillaume Rossignol, MD¹](#); Lena Paganelli, MD¹; Manon Aurelle, MD²; Justine Bacchetta, MD, PhD²; Pierre Mouriquand, MD, PhD¹; Aurore Bouty, MD¹; Delphine Demede, MD¹; ¹Department of Pediatric Surgery, Hôpital Femme Mère Enfant, Lyon; ²Department of Pediatric Nephrology, Hôpital Femme Mère Enfant, Lyon

V051 OVARIAN TORSION - GO SINGLE PORT! Sofia Vasconcelos-Castro; [Sara Fernandes](#); Miguel Soares-Oliveira; Centro Hospitalar Universitario Sao Joao

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P002 SURGICAL TECHNIQUES FOR VISUALIZED TUNNEL FORMATION IN LAPAROSCOPIC ASSISTED ANORECTOPLASTY [Long Li, PhD](#); Anxiao Ming, PhD; Yan Zhou, PhD; Hang Xu, MD; Xuelai Liu, PhD; Hailin Sun; Qi Li; Xu Li; Zhen Zhang; Mei Diao; Capital Institute of Pediatrics, China

P004 RE-INNOVATION: PEDIATRIC SURGEONS WITH ROBOTIC HANDS [S Prodan, MD](#); E Buela; S Calello; G Dominguez; F Rabinovich; S Valverde; P Cieri; R Kaller; M Bosich; H Bignon; C Millan; Fundacion Hospitalaria

P006 ROBOT ASSISTED PEDIATRIC SURGERY - AN ANALYSIS OF EXISTING SYSTEMS [Andreas Meinzer¹](#); Jan-Hendrik Egberts¹; Thomas F Krebs²; Robert Bergholz¹; ¹UKSH Campus Kiel, Dept. of Surgery; ²Children's Hospital of East Switzerland, Dept. of Pediatric Surgery, St. Gallen, Switzerland

P007 LAPAROSCOPIC TECHNOLOGIES IN MANAGEMENT OF ABDOMINAL CYSTIC LYMPHANGIOMAS IN CHILDREN Olga Karaseva, MD; [Anna Timofeeva, Ms](#); Alexander Gorelik; Denis Golikov; Clinical and Research Institute of Emergency Pediatric Surgery and Trauma

P008 ADVANCED LAPAROSCOPIC PROCEDURES IN EXTREMELY LOW BIRTH WEIGHT (ELBW) INFANTS [Salmal Turial, MD¹](#); Markus Knuf, MD²; Henriette Kuehle¹; ¹University Medical Centre Magdeburg; ²Helios HSK Wiesbaden

P009 PREMEDICATION BY MELATONIN VERSUS MIDAZOLAM IN PEDIATRICS FOR SCHEDULED SURGERY UNDER GENERAL ANAESTHESIA Marwen Baccar¹; Ines Koubaa¹; Maha Ben Mansour¹; [Nahla Kechiche²](#); Elhem Kaabia¹; Amine Ksaa²; Sawsen Chakroun¹; Faouzi Ben Salem¹; Mourad Gahbiche¹; ¹Anesthesia Departement; Hospital Of Monastir; ²Pediatric Surgery, Hospital Of Fattouma Bourguiba

P010 LAPAROSCOPIC VERSUS OPEN SPLENECTOMY: WHICH IS SAFER? [Ben Ammar Sabrine, Dr¹](#); Belhassan Samia²; Habachi Ghada²; Ben youssef Sabrine²; Ben Fredj Meriem²; Kechich Nahla²; Mosbahi Sana²; Laamiri Rachida²; Ksaa Amine²; Bouanan Ines²; Sahnoun Lasaad²; Mekki Mongi²; Belghuith Mohssen²; Nouri Abdellatif²; ¹Department of pediatric surgery; ²University Hospital Of Monastir

P012 QUALITATIVE EVALUATION OF A SEDATION PROTOCOL DURING MRI AND PEDIATRIC CT SCAN: PRACTICAL IMPLICATIONS AND EVALUATION OF GENERAL ANESTHESIA NEEDS Marwen Baccar¹; Ines Koubaa¹; Maha Ben Mansour¹; [Nehla Kechiche²](#); Elhem Kaabia¹; Dorsaf Makhlouf²; Sawsen Chakroun¹; Amine Ksaa²; Besma Gafsi¹; Samir Toumi¹; Fawzi Ben Salem¹; Mourad Gahbiche¹; ¹Anesthesia Departement; Hospital Of Monastir; ²Pediatric Surgery, Hospital Of Fattouma Bourguiba

P013 MANAGEMENT OF HIRSCHSPRUNG ASSOCIATED ENTEROCOLITIS – HOW DIFFERENT ARE PRACTICE STRATEGIES? AN INTERNATIONAL PEDIATRIC ENDOSURGERY GROUP (IPEG) SURVEY [Wendy Jo Svetanoff, MD, MPH](#); Joseph J Lopez, MD; Kayla B Briggs, MD; James A Fraser, MD; Jason D Fraser, MD; Tolulope A Oyetunji, MD, MPH; Shawn D St. Peter, MD; Rebecca M Rentea, MD, MS; Children's Mercy Hospital, Kansas City

P014 CONVERSION RISK ANALYSIS FROM SINGLE-INCISION AND ONE-PUNCTURE PROCEDURE TO TWO SITE WITH THREE-PORT PROCEDURE IN PEDIATRIC LAPAROSCOPIC APPENDECTOMY Keisuke Yano, MD; Masakazu Murakami, MD; Ayaka Nagano, MD; Mayu Matsui, MD; Koshiro Sugita, MD; Toshio Harumatsu; Shun Onishi, MD, PhD; Koji Yamada, MD, PhD; Waka Yamada, MD, PhD; Makoto Matsukubo, MD; Mitsuru Muto, MD, PhD; Tatsuru Kaji, MD, PhD; Satoshi Ieiri, MD, PhD; Department of Pediatric Surgery, Kagoshima University

P015 DOES SURGICAL APPROACH MATTER IN THE TREATMENT OF PEDIATRIC ULCERATIVE COLITIS? Rebecca A Saberi, MD¹; Gareth P Gilna, MD¹; Eva M Urrechaga, MD¹; Alessia C Cioci, MD¹; Joshua P Parreco, MD²; Amber H Langshaw, MD³; Chad M Thorson, MD, MSPH¹; Juan E Sola, MD¹; Eduardo E Perez, MD¹; ¹University of Miami, DeWitt Daughtry Family Department of Surgery, Division of Pediatric Surgery; ²Lawnwood Regional Medical Center, Department of Trauma and Critical Care Surgery; ³University of Miami, Department of Pediatrics, Division of Gastroenterology

P016 LAPAROSCOPIC TECHNIQUE IN THE MANAGEMENT OF HIGH ANORECTAL MALFORMATIONS: EXPERIENCE IN A SINGLE TUNISIAN CENTER Yosra Ben Ahmed, Dr; Meriem Oumaya; Faouzi Nouira, Dr; Intissar Chibani, Dr; Mariem Marzouki, Dr; Awatef Charieg; Said Jlidi, PhD; Children Hospital of Tunis

P017 DISPARITIES IN UTILIZATION OF LAPAROSCOPIC COLECTOMIES IN PEDIATRIC CROHN'S DISEASE Gareth P Gilna, MD; Rebecca A Saberi, MD; Alessia C Cioci, MD; Eva M Urrechaga, MD; Joshua P Parreco, MD, FACS; Amber H Langshaw, MD; Juan E Sola, MD, FACS; Chad M Thorson, MD, MSPH, FACS; Eduardo A Perez, MD, FACS; DeWitt Daughtry Family Department of Surgery University of Miami/Jackson Health System

P018 ENDOSCOPIC PILONIDAL SINUS TREATMENT (EPSIT) - INITIAL EXPERIENCE IN AN EXCLUSIVELY PEDIATRIC HOSPITAL Elisangela Mattos e Silva, MD; Leila Grisa Telles, MD; Amanda Ginani Antunes; Karin Schulz; Giovana Camargo de Almeida; Sylvio Gilberto Avilla; Claudio Schultz; Hospital Pequeno Principe

P019 LEARNING A NEW TECHNIQUE: IS THERE A HIGHER RECURRENCE RATE DURING LAPAROSCOPIC INGUINAL HERNIA REPAIR FOR PEDIATRIC SURGERY FELLOWS? Joseph R Esparaz, MD; Teresa Duong, BS; Michelle S Mathis, MPH; Vincent E Mortellaro, MD; University of Alabama at Birmingham

P020 THE USE OF ESOFIIP FOR ESOPHAGEAL STRICTURE DILATION IN CHILDREN Andrew J Hu, MD¹; Joseph Sanchez, MD²; Mehul V Raval, MD, MS¹; Katherine Barsness, MD, MS¹; ¹Division of Pediatric Surgery, Department of Surgery, Northwestern University Feinberg School of Medicine, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL; ²Division of General Surgery, Department of Surgery, Northwestern University Feinberg School of Medicine, Northwestern Memorial Hospital, Chicago, IL

P021 BENEFITS OF INTRAVENOUS LIDOCAINE USE IN LAPAROSCOPIC PEDIATRIC SURGERY Ines Koubaa¹; Marwen Baccar¹; Maha Ben Mansour¹; Nehla Kechiche²; Hajer Hammouda¹; Salma Mani²; Elhem Kaabia¹; Sawsen Chakroun¹; Bisma Gafsi¹; Samir Toumi¹; Fawzi Ben Salem¹; Amine Ksiao²; Mourad Gahbiche¹; ¹Anesthesia Departement; Hospital Of Monastir; ²Pediatric Surgery, Hospital Of Fattouma Bourguiba

P022 AN INDIRECT EFFECT OF COVID-19 PANDEMIC: INCREASED PEDIATRIC PERFORATED APPENDICITIS RATE DUE TO DELAYED ADMISSION Ergun Ergun, MD¹; Sumeyye Sozduyar, MD¹; Aynur Gurbanova, MD¹; Firat Sertturk¹; Ergin Ciftci, MD²; Halil Ozdemir²; Gul Arga²; Kubra Konca²; Gule Cinar³; Irem Akdemir Kalkan³; Ezgi Gulden³; Ozlem Selvi Can⁴; Birsal Sen Akova⁵; Suat Fitoz⁵; Goksel Vatanserver⁶; Deniz Tekin⁶; Gulnur Gollu¹; Meltem Bingol-Kologlu¹; Aydin Yagmurlu¹; Murat Cakmak¹; Ufuk Ates¹; ¹Ankara University Faculty of Medicine, Department of Pediatric Surgery; ²Ankara University, School of Medicine, Department of Pediatric Infectious Diseases; ³Ankara University, School of Medicine, Department of Infectious Diseases; ⁴Ankara University Faculty of Medicine, Department of Anesthesiology and Renimation; ⁵Ankara University School of Medicine, Department of Pediatric Radiology; ⁶Ankara University, School of Medicine, Department of Pediatric Emergency

P023 PREDICTORS OF CLINICAL RESPONSE OF ESOPHAGEAL DILATATIONS IN PEDIATRIC POPULATION. Silvia Aragón, MD¹; Juan Valero, MD¹; Laura Padilla, MD²; Fernando Fierro, MD¹; Ivan Molina, MD¹; ¹Universidad Nacional de Colombia; ²Universidad del Bosque

P024 SUCCESSFUL LAPAROSCOPIC MANAGEMENT OF ABDOMINAL LYMPHANGIOMA CYST IN CHILDREN: A CASE SERIES Toumi Afef¹; Mariem Ben fredj¹; Marwa Ben mesaoud¹; Sabrine Ben ammar¹; Sabrine Ben youssef¹; Sami Sfar¹; Nahla Kechiche¹; Samia Belhassen¹; Sana Mosbehi¹; Amine Ksia¹; Lasaad Sahnoun¹; Marwen Baccar²; Sawsen Chakroun²; Mongi Mekki¹; Mohsen Belghith¹; ¹Pediatric's Surgery Department-Monastir; ²Anesthesiology and Reanimation Department-Monastir

P025 THORACOSCOPY APPROACH IN PRONE POSITION FOR ESOPHAGOPLASTY IN CHILDREN Camila G Fachin, MD, PhD; André I B dos Santos Dias, MD, PhD; Carolina Tognolo; Gustavo G Oliveira; Tatiane A Coelho; Júlia M Citon; Miguel A Agulham, MD, PhD; Pediatric Surgery Department of Federal University of Paraná

P026 THE IMPORTANCE OF LAPAROSCOPY IN PATIENTS WITH ACUTE ABDOMEN: A CASE OF SPONTANEOUS BLADDER PERFORATION MIMICKING ACUTE APPENDICITIS Mehmet Sarikaya¹; Taner Kamaci²; ¹Kiziltepe State Hospital; ²Memorial Hospital

P028 LAPAROSCOPY : THE HERO OF CHALLENGING DIAGNOSIS Arije Zouaoui; Senda Houidi; Fatma Thamri; Oussama Mehrzi; Fatma Fitouri, MD; Sondos Sahli, MD; Yosra Kerkeni, MD; Riadh Jouini, MD; Children's Hospital, Tunis, Tunisia

P029 DUODENAL ATRESIA: IS IT TIME TO CHANGE TO LAPAROSCOPIC APPROACH? Yasmine Houas; Nesrine Chebil; Cyrine Saadi; Arije Zouaoui; Yosra Kerkeni; Sondes Sahli; Nada Sghairoun; Riadh Jouini; Children Hospital Bechir Hamza

P030 ARE PEGS AS SAFE AS LAPAROSCOPIC GASTROSTOMY TUBES IN CHILDREN? A COMPARISON OF OPERATIVE TIME, COMPLICATIONS AND CHARGES. Matthew T Hey¹; Kyle J Glithero, MD²; Cathy A Burnweit, MD, FACS³; ¹Florida International University Herbert Wertheim College of Medicine; ²Maimonides Medical Center; ³Nicklaus Children's Hospital

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P032 INCIDENCE, RISK FACTORS, SIGNS, AND SYMPTOMS OF SPLENIC ISCHEMIA IN ADOLESCENT LAPAROSCOPIC SLEEVE GASTRECTOMY PATIENTS. Jeffrey L Zitsman, MD¹; Grant N Schutte, MS²; ¹Center for Adolescent Bariatric Surgery, Morgan Stanley Children's Hospital of New York Presbyterian, New York, NY; ²Columbia University Institute of Human Nutrition, New York, NY

P033 LAPAROSCOPIC SUBCUTANEOUS T-FASTENER ANTERIOR GASTROPEXY FOR GASTRIC VOLVULUS IN PATIENTS WITH INTELLECTUAL DISABILITY: REPORT OF THREE CASES Satoko Nose, PhD; Masahiro Zenitani, PhD; Takaharu Oue, PhD; Hyogo College of Medicine

P034 POSTOPERATIVE OUTCOMES OF OPEN VERSUS LAPAROSCOPIC APPENDECTOMY IN CHILDREN: DOES THE APPROACH REALLY MATTER? Meriem Oumaya, MD; Yosra Ben Ahmed, MD; Faouzi Nouira, PhD; Najoua Moussa, MD; Intissar Chibani, MD; Awatef Charieg, MD; Tarek Boukesra; Said Jlidi; Children Hospital of Tunis

P035 LAPAROSCOPIC TREATMENT OF PYLORIC ATRESIA Yury Kozlov, PhD¹; Simon Poloyan²; Konstantin Kovalkov, MD³; Vadim Kapuller⁴; ¹Irkutsk Children's Hospital; ²Krasnoyarsk Center of Maternity and Childhood; ³Kemerovo Children's Hospital; ⁴Assuta University Medical Center

P036 THE COMPARISON OF GASTROSTOMY PROCEDURES FOR NEUROLOGICALLY DISABLED PATIENTS -OUR EXPERIENCE IN 22 YEARS- Keisuke Yano; Masakazu Murakami; Ayaka Nagano; Mayu Matsui; Koshiro Sugita; Toshio Harumatsu; Shun Onishi; Koji Yamada; Waka Yamada; Makoto Matsukubo; Mitsuru Muto; Tatsuru Kaji; Satoshi Ieiri; Department of Pediatric Surgery, Kagoshima University

P037 INTERVAL LAPAROSCOPIC SINGLE PORT APPENDECTOMY FOR PRESCHOOL CHILDREN. Shun Onishi, MD, PhD¹; Genshiro Esumi, MD, PhD²; Tomoe Sato, MD²; Masahiro Fukuhara, MD²; Satoshi Ieiri, MD, PhD¹;

¹Department of Pediatric Surgery, Kagoshima University; ²Department of Pediatric Surgery, Oita Prefectural Hospital

P038 MANAGEMENT TACTICS FOR PATIENTS WITH COMPLICATED COURSE OF CROHN'S DISEASE STENOTIC FORM IN CHILDREN Alexander Bekin; Elena Dyakonova; [Alexey Gusev](#); Evgeniy Okulov; Andrey Surkov; Sergey Yatsyk; Andrey Fisenko; FSAI "NMRC for Children's Health" MH RF

P040 INFLAMMATORY BOWEL DISEASE MASKS IN SURGICAL PRACTICE Alexander Bekin; Elena Dyakonova; Andrey Surkov; Evgeniy Okulov; [Alexey Gusev](#); Andrey Fisenko; Sergey Yatsyk; FSAI "NMRC for Children's Health" MH RF

P041 WHY DOES NISSEN FUNDOPLICATION MIGRATE IN CHILDREN ? [Carlos García-Hernández, MD](#); Lourdes Carvajal-Figueroa, MD; Christian Archibaldo-García, MD; Ariadna Alvelais, MD; Sergio Landa-Juarez, MD; Hospital Infantil Privado

P042 AMOXYCILLIN/CLAVULANIC ACID MONOTHERAPY IN COMPLICATED PAEDIATRIC APPENDICITIS: GOOD ENOUGH? [Rochelle van Coller, Dr¹](#); Marion Arnold, Dr²; Hettie le Roux, Dr¹; Abdullah Bin Hidarrah, Dr¹; Olivia de Klerk, Dr¹; Aneesa Solwa, Dr¹; Nathan English, Dr¹; Tasneem Ismail, Dr¹; Kolosa Bangani, Dr¹; Haneem Schroeder, Dr¹; Razeena Kaskar, Dr¹; Matthew Payne, Dr¹; Brittany Gibson, Ms¹; Stefan Pretorius, Mr¹; Dirk von Delft, Dr¹; James Nuttal, Dr¹; Hafsa Tootla, Dr¹; Stewart Dix-Peek, Dr¹; Sharon Cox, Prof¹; Alp Numanoglu, Prof¹; ¹Red Cross War Memorial Children's Hospital; ²University of Cape Town Division of Paediatric Surgery

P043 HETEROTOPIC GASTROINTESTINAL CYST MIMICKING CHRONIC CHOLECYSTITIS MANAGED LAPAROSCOPICALLY [Salma Mani](#); Nahla Kechiche; Rachida Lamiri; Afef Toumi; Meriem Ben Fredj; Samia Belhassen; Amine Ksaa; Lassaad Sahnoun; Mongi Mekki; Sawsen Chakroun; Marouen Baccar; Mohsen Belguith; Department of Pediatric Surgery Monastir

P044 LAPAROSCOPIC TREATMENT OF DUODENAL DUPLICATION Arije Zouaoui, Resident in Pediatric Surgery; Sondes Sahli, Medical Doctor; Oussema Mehrzi, Resident in Pediatric Surgery; [Senda Houidi](#); Departement of Pediatric Surgery A, Hospital of Children, Tunis, Tunisia

P046 THE IMPACT OF THE COVID-19 PANDEMIC ON THE RATE OF ACUTE APPENDICITIS AND ITS COMPLICATIONS AMONG CHILDREN IN KUWAIT Amar A Alnaqi, MBBCh, MD, FRCS¹; Hasan Ashkanani, MD, MBBCh²; Zahraa Abdulla, MD, MBBCh²; [Noor AlAli, MD, MBBCh²](#); Shahad Mubarak, MD, MBBCh²; Ali AlKhayyat, MD, MBBCh²; Esmaeel Taqi, MD, FRCS²; ¹Kuwait University; ²Ministry of Health

P047 OUTCOME OF NON-OPERATIVE TREATMENT FOR SIMPLE ACUTE APPENDICITIS (NOTA) IN CHILDREN DURING COVID -19 PANDEMIC IN COMPARISON TO SURGICAL APPROACH [Ameen Alsaggaf, MD¹](#); Yazeed Owiwi, MD¹; Mohamed Shalaby, MD²; Alaa Ghallab, MD¹; Mazen Zidan, MD¹; Ahmed Alawi, MD¹; Mohamed Fayez, MD¹; Ahmed Atta, MD¹; Enaam Raboei, MD³; ¹KFAFH; ²Tanta University, Egypt; ³Medical Reference Center

P048 SINGLE PORT LAPAROSCOPIC REPAIR OF HIATAL HERNIA COMPLICATED WITH ACUTE GASTRIC VOLVULUS IN A CHILD: A CASE REPORT Chtourou Rahma; [Dghaies Rim](#); Zouari Mohamed; Meherzi Oussama; Aziza Bochra; Laaribi Cyrine; Krichene Emna; Seethamah Med mozakkir; Ben Dhaou Mahdi; Mhiri Riadh; Pediatric Surgery Department, Hedi Chaker Hospital, Sfax, Tunisia

P049 CAN APPENDICITIS 'STAY HOME' ? A COMPARISON OF PEDIATRIC APPENDICITIS PATIENTS DURING COVID-19 PANDEMIC AND THE SAME PERIOD LAST YEAR [Aydin Unal, MD](#); Mesut Demir, MD; Nurdan Kol, MD; Ali Ihsan Dokucu, Prof, Dr; Sisli Hamidiye Etfal Research and Education Hospital

P050 HYBRID ROBOTIC/LAPAROSCOPIC SURGERY FOR CHOLEDOCHAL CYST WITH INTESTINAL MALROTATION. CASE REPORT AND LITERATURE REVIEW. [Sakika Shimaizu, MD](#); Hiroyuyki Koga, MD; Shogo Seo, MD; Yuichiro Miyake, MD; Geoffrey J Lane, MD; Atsuyuki Yamataka, MD; Department of Pediatric Surgery Juntendo University School of Medicine

P051 HEPATICODUODENOSTOMY VS HEPATICOJEJUNOSTOMY IN CHOLEDOCHAL MALFORMATION VIA MINIMALLY INVASIVE SURGERY Oleg Godik, MD, PhD¹; Daria Diehtiarova, MD¹; Vasyl Nedbala, MD²; Oleksii Choban¹; Alexander Dubrovin, MD, Professor¹; ¹National Medical University; ²National Children's Specialized Hospital "Okhmatdyt"

P053 LAPAROSCOPIC TREATMENT OF LIVER HYDATID CYST IN CHILDREN: TWO CASES REPORT Asma Slimani¹; Wafa Maamatou, Residente¹; Asma Jabloun, Associate Professor²; Aida Daib, Associate Professor²; Hellal Youssef, Professor agrege²; Kabar Najib, Professor¹; ¹Hopital Habib Thameur; ²Hôpital Habib Thameur

P054 ABDOMINAL COMPLICATIONS AFTER VENTRICULOPERITONEAL SHUNT PLACEMENT Anna Timofeeva, Ms; Andrey Melnikov, PhD; Olga Karaseva, MD; Clinical and Research Institute of Emergency Pediatric Surgery and Trauma

P055 CLINICAL, MORPHOLOGICAL AND IMMUNOHISTOCHEMICAL JUSTIFICATION ON THE SURGICAL TREATMENT OF CHRONIC APPENDICITIS IN CHILDREN I N Khvorostov¹; A G Sinitsyn¹; G L Snigyr¹; A A Gusev²; E Y Dyakonova²; S P Yatsyk²; ¹Volgograd State Medical University; ²FSAI "NMRC for Children's Health" MH RF

P056 SINGLE INCISION PEDIATRIC ENDO-SURGERY (SIPES) HERNIOTOMY BY TRAINEE: SINGLE CENTER EXPERIENCE Ameen A Alsaggaf, MD¹; Yazeed Owiwi, MD¹; Mohamed M Shalaby, MD²; Alaa Ghallab, MD¹; Mazen Zidan, MD¹; Ahmef Alawi, MD¹; Mohamed Fayez, MD¹; Ahmef Atta, MD¹; Enaam Raboe, MD³; ¹KFAFH; ²Tanta University, Egypt; ³Medical Reference Center

P057 PLACE OF LAPAROSCOPY IN THE MANAGEMENT OF PERITONEAL TUBERCULOSIS Maamatou Wafa; Jabloun Asma; Daib Ayda; Jarray Leila; Ben Abdallah Rabia; Trabelssi Fatma; Hellal Youssef; Gharbi Youssef; Kaabar Nejib; Paediatric Surgery Department, Hôpital Habib Thameur

P058 ENDOSCOPIC PILONIDAL SINUS TREATMENT (EPSIT): A NOVEL MINIMALLY INVASIVE TECHNIQUE CHANGING THE SURGICAL APPROACH TO PILONIDAL DISEASE. Giovanni Parente; Tommaso Gargano; Neil Di Salvo; Eduje Thomas; Mario Lima; Pediatric Surgery Unit, Sant'Orsola University-Hospital, Bologna

P059 LAPAROSCOPIC INGUINAL HERNIA REPAIR IN THE PEDIATRIC POPULATION - ARTICLE REVIEW AND THE MALTESE CURRENT EXPERIENCE Gabriella Grech; Julie Galea; Mohamed Shoukry; Mater Dei Hospital, Malta

P060 COMPARISON OF SINGLE AND DOUBLE LIGATION IN SINGLE INCISION LAPAROSCOPIC PERCUTANEOUS EXTRAPERITONEAL CLOSURE FOR INGUINAL HERNIA Shinya Takazawa, MD, PhD; Akira Nishi, MD; Tomohiro Sunouchi, MD; Kenta Kikuchi, MD; Ryota Koyama; Department of Pediatric Surgery, Gunma Children's Medical Center

P061 EFFECTIVENESS OF LAPAROSCOPIC REMOVAL OF ABDOMINAL LYMPHANGIOMA: A SINGLE CENTRE EXPERIENCE Mirko Bertozzi, MD¹; A Raffaele, MD¹; Fabrizio Vatta, MD¹; Giulia Del Re, MD²; Giovanna Riccipetioni, MD, PhD¹; ¹Department of Pediatric Surgery – Fondazione IRCCS Policlinico San Matteo – University of Pavia - Italy; ²Department of Perdiatric Surgery – Buzzi Children Hospital – Milan – Italy

P062 ATYPICAL FINDINGS DURING PEDIATRIC LAPAROSCOPIC INGUINAL HERNIA REPAIR Lachlan Dick, Mr¹; Wisam Abbas, Mr²; Merrill Mchoney, Mr³; ¹Borders General Hospital; ²Royal College of Surgeons of Edinburgh; ³Royal Hospital for Chikdren Edinburgh

P063 CURRENT STATUS OF PEDIATRIC MINIMALLY INVASIVE SURGERY IN COLOMBIA: A NATIONAL SURVEY OF PEDIATRIC SURGEONS Sergio Zavaleta, MD, FACS; Daniella Chacon, MD; Clinica Materno Infantil San Luis

P064 LAPAROSCOPIC-ASSISTED TENCKHOFF CATHETER INSERTION IN CHILDREN Bernardita A Troncoso, Dr¹; Pilar Gras, Dr²; Renato Gana, Dr³; ¹Hospital San Juan de Dios; ²Hospital Roberto del Río; ³Clínica Las Condes

P065 LAPAROSCOPIC MANAGEMENT OF AN UNUSUAL PENETRATING ABDOMINAL TRAUMA IN CHILDREN Ben Dhaou Mahdi, MD; Dghaies Rim, MD; Ammar Saloua, MD; Cheickrouhou Taycir, MD; Zouari Mohamed, MD;

Zitouni Hayet, MD; Mhiri Riadh, Professor, Doctor; Department of Pediatric Surgery, Hedi Chaker Hospital, Sfax, Tunisia

P066 LESS IS NOT MORE: OUTCOMES OF SINGLE PORT LAPAROSCOPIC APPENDECTOMY VERSUS TRIPLE PORT IN RUPTURED PEDIATRIC APPENDICITIS [Angela E Hargis-Villanueva, MD](#); David M Notrica, MD; Daniel J Ostlie, MD; Justin Lee, MD; Phoenix Children's Hospital

P067 SUPPORT FOR INTRODUCTION OF PEDIATRIC ENDOSURGERY IN NEPAL AS GLOBAL PEDIATRIC SURGERY: PRELIMINARY NEEDS ASSESSMENT SURVEY [Masakazu Murakami](#)¹; Saseem Poudel²; Masahiro Fukuhara³; Tatsuru Kaji¹; Hiroyuki Noguchi⁴; Yo Kurashima⁵; Satoshi Ieiri¹; ¹Department of Pediatric Surgery, Research Field in Medical and Health Sciences, Medical and Dental Area, Research and Education Assembly, Kagoshima University; ²Department of Surgery, Steel Memorial Muroran Hospital, Muroran, JAPAN; ³Department of Pediatric Surgery, Oita Prefectural Hospital, Oita, JAPAN; ⁴Department of Pediatric Surgery, Kagoshima City Hospital, Kagoshima, JAPAN; ⁵Clinical Simulation Center, Hokkaido University, Sapporo, JAPAN

P068 EFFECT OF MONITOR SIZE ON FORCEPS MANIPULATION OF ENDOSCOPIC SURGERY USING MEDICAL STUDENTS AND PEDIATRIC SURGEONS [Koji Yamada, MD, PhD](#); Teppei Yamashita; Shunya Yonemori; Keisuke Yano, MD; Toshio Harumatsu, MD; Waka Yamada, MD, PhD; Makoto Matsukubo, MD; Mitsuru Muto, MD, PhD; Tatsuru Kaji, MD, PhD; Satoshi Ieiri, MD, PhD; Kagoshima University

P069 TRAINEE PERCEPTIONS AROUND THE NEED FOR A HIGH FIDELITY PORTABLE SIMULATION FOR ESOPHAGEAL ATRESIA/TRACHEO-ESOPHAGEAL FISTULA REPAIR [Jonathan Wells](#)¹; David Nair¹; Rory Jones²; Nick Cook¹; Spencer W Beasley¹; ¹Christchurch Hospital; ²Symulus

P070 MINIMALLY INVASIVE NECK SURGERY: AN ANIMAL MODEL STUDY [Inês Pessanha](#)¹; Diana Coimbra¹; Marianna Scuglia²; Alice Miranda²; Jorge Correia-Pinto, MD, PhD²; ¹Pediatric Surgery Department - Hospital Pediatrico - CHUC; ²ICVS - Life and Health Sciences Research Institute

P071 SIMULATION IN PEDIATRIC MINIMAL INVASIVE SURGERY: A SIMPLE SERIES OF EXERCISES AND EVALUATION THE PERFORMANCE IN AN INITIAL IMPLEMENTATION OF A RESIDENT TRAINING PROGRAM [Elisangela Mattos e Silva, MD](#)¹; Arnon Cesar Brunet Schultze²; Bruno Berardi Gazola²; Amanda Ginani Antunes¹; Karin Lucilda Schulz¹; Fernando Antonio Bersani Amado¹; ¹Hospital Pequeno Principe; ²Faculdades Pequeno Principe

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P074 LAPSIM: A TUNISIAN EXPERIENCE WITH THEORETICAL 3D LEARNING. [Ghada Habachi](#)¹; Samia Belhassen¹; Sabrine Ben Ammar¹; Nahla Kechiche¹; Sabrine Ben Youssef¹; Mariem Ben Fredj¹; Sana Mosbahi¹; Rachida Laamiri¹; Amine Ksaa¹; Ines Bouanen²; Sahnoun Lassaad¹; Mekki Mongi¹; Belguith Mohsen¹; Abdellatif Nouri¹; ¹Department of Pediatric Surgery, University Hospital of Monastir (TUNISIA) Research Laboratory, LR 12SP13: Malformative and Tumoral Pathology of Child, Monastir, Tunisia; ²Department of Epidemiology and Preventive Medicine University Hospital of Monastir (TUNISIA)

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Bulas, MD²; Tim Kane, MD²; Mikael Petrosyan, MD²; Jeffrey Lukish, MD²; ¹Uniformed Services University of the Health Sciences; ²Children's National Medical Center

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Gusev¹; A P Fisenko¹; S P Yatsyk¹; ¹FSAI "NMRC for Children's Health" MH RF; ²Russian National Research Medical University Named after N.I. Pirogov

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P103 PROTECTIVE PNEUMOTHORAX FOR PLEURAL IRRADIATION Spyros B Spyarakos, MD¹; George Kritselis, MD²; ¹General And Maternity Hospital "Elena Venizelou"; ²Oncocare

P104 TITLE: AN ENHANCED RECOVERY PROTOCOL UTILIZING LIPOSOMAL BUPIVICAINE RIB BLOCKS LEADS TO OPIOID REDUCTION IN PATIENTS UNDERGOING MINIMALLY INVASIVE REPAIR OF PECTUS EXCAVATUM Alicia L Eubanks, MD; Jessica Pollack; David Grabski, MD; Jeffrey Gander, MD; University of Virginia

P105 SINGLE-CENTER EXPERIENCE OF PECTUS EXCAVATUM SURGICAL REPAIR Oleg Godik; Anatolii Levytskyi, MD, Professor; Vlasii Pylypko; Daria Diehtiarova, MD; National Medical University

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Medical Doctor; Yosra Kerkeni, Medical Doctor; Riadh Jouini, Medical Professor; Department of Pediatric Surgery "A", Hospital of Children, University of Tunis El Manar, Tunis Tunisia

P117 THE ROLE OF ENDOSCOPY IN PEDIATRIC FEMALE UROGENITAL DISORDERS Ben Ammar Sabrine¹; Ben Fredj Meriem¹; Massoud Marwa¹; Toumi Afef²; Ben youssef Sabrine¹; Sfar Sami¹; Boukhrissa Nouha¹; Mosbahi Sana¹; Belhassen Samia¹; Laamiri Rachida¹; Ksaa Amine¹; Sahnoun Lasaad¹; Mekki Mongi¹; Belghuith Mohssen¹; ¹University Hospital Of Monastir; ²Department of pediatric surgery

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