

DAY 1: FRIDAY, NOVEMBER 27TH, 2020

TIME ZONES:

07:00-09:00 (Toronto, Canada)

11:00-13:00 (London, UK)

12:00-14:00 (Frankfurt, Germany)

13:00-15:00 (Riga, Latvia)

20:00-22:00 (Tokyo, Japan)

SCIENTIFIC SESSION I (PRIZE SESSION)

CHAIRS: P Puri (Dublin, Ireland)

M Höllwarth (Graz, Austria)

I Sukhotnik (Tel Aviv, Israel)

1.

ADMINISTRATION OF EXTRACELLULAR VESICLES DERIVED FROM HUMAN AMNIOTIC FLUID STEM CELLS: A NEW TREATMENT FOR NECROTIZING ENTEROCOLITIS

JS O'Connell, C Lee, N Farhat, L Antounians, B Li, A Zani, A Pierro
(Toronto, Canada)

(8 mins presentation + 4 mins discussion)

2.

MODELLING HUMAN STOMACH DEVELOPMENT: SELF-ORGANISING 'MINI-STOMACHS' IN FLOATING HYDROGEL CULTURE

B Jones, C Luni, E Zambaiti, S Perin, F Sgualdino, S Shibuya, N Thapar, D Cacchiarelli, S Eaton, N Elvassore, P De Coppi, GG Giobbe
(London, UK)

(8 mins presentation + 4 mins discussion)

3.

EFFECT OF PHYSICAL FORCES ON LUNG DEVELOPMENT: COULD EXTERNAL PRESSURE HAVE A ROLE IN THE PATHOGENESIS OF PULMONARY HYPOPLASIA IN CONGENITAL DIAPHRAGMATIC HERNIA?

S Shibuya, F Michielin, M Z. Nikolić, N Elvassore, P De Coppi
(London, UK)

(8 mins presentation + 4 mins discussion)

4.

ROLE OF MITOCHONDRIAL DYSFUNCTION IN HEPATIC OXIDATIVE INJURY DURING EXPERIMENTAL NECROTIZING ENTEROCOLITIS

M Alganabi, E Bindi, G Biouss, B Li, J Liu, H Miyake, R Angotti, A Pierro
(Toronto, Canada)

(8 mins presentation + 4 mins discussion)

5.

REMOTE ISCHEMIC CONDITIONING AVOIDS THE DEVELOPMENT OF INTESTINAL DAMAGE AFTER MIDGUT VOLVULUS

H Zhu, B Li, E Bindi, C Lee, M Alganabi, M Janssen Lok, A Pierro
(Toronto, Canada)

(8 mins presentation + 4 mins discussion)

6.
RESULTS OF PAEDIATRIC SURGICAL META-ANALYSES ARE OFTEN FRAGILE
A Schröder, OJ Muensterer, C Oetzmann von Sochaczewski
(Mainz, Germany)
(8 mins presentation + 4 mins discussion)

7.
THE ADMINISTRATION OF HEPATOCYTE GROWTH FACTOR PREVENTS HEPATOCELLULAR INJURY CAUSED BY TOTAL PARENTERAL NUTRITION IN A RAT MODEL
M Matsukubo, K Yano, T Kaji, K Sugita, S Onishi, T Harumatsu, A Nagano, M Matsui, K Yamada, W Yamada, M Muto, S Ieiri
(Kagoshima, Japan)
(8 mins presentation + 4 mins discussion)

8.
DETERMINING ACUTE COMPLICATED AND UNCOMPLICATED APPENDICITIS USING SERUM AND URINE BIOMARKER LEUCINE RICH ALPHA-2 GLYCOPROTEIN 1
M Kakar, M Delorme, E Crouzen, R Broks, L Asare, M Berezovska, A Zviedre, A Reinis, A Engelis, J Kroica, A Saxena, A Petersons
(Riga, Latvia)
(8 mins presentation + 4 mins discussion)

9.
THE INHIBIN-B LEVEL AT ORCHIDOPEXY AND FOLLOW-UP OF 198 BOYS WITH NON-SYNDROMIC BILATERAL CRYPTORCHID TESTES
S Hildorf, E Clasen-Linde D Cortes, J Thorup
(Copenhagen, Denmark)
(8 mins presentation + 4 mins discussion)

10.
SPLANCHNIC PERFUSION IS REDUCED DURING THE DEVELOPMENT OF NECROTIZING ENTEROCOLITIS
N Ganji, Y Koike, B Li, H Zhu, M Janssen Lok, E Lau, A Daneman, A Pierro
(Toronto, Canada)
(8 mins presentation + 4 mins discussion)

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22:00-22:30 (Tokyo, Japan)

INVITED LECTURE I

REMOTE ISCHEMIC CONDITIONING: A NEW TREATMENT STRATEGY FOR NEONATES WITH NECROTIZING ENTEROCOLITIS

A Pierro (Toronto, Canada)

(30 mins)

TIME ZONES:

08:30-10:00 (Winnipeg, Canada)
09:30-11:00 (Toronto, Canada)
13:30-15:00 (London, UK)
14:30-16:00 (Madrid, Spain)
15:30-17:00 (Tel Aviv, Israel)
22:30-00:00 (Tokyo, Japan)

SCIENTIFIC SESSION II

CHAIRS: JA Tovar (Madrid, Spain)
R Keijzer (Winnipeg, Canada)

1.

TRANSPLACENTAL TRANSFER OF IGG-MODIFIED NANOPARTICLES BY THE MATERNAL-FETAL TRANSFER OF PASSIVE IMMUNITY FOR PRENATAL THERAPIES

WH Tse, S Higgins, M Xing, H Labouta, A West, R Keijzer
(Winnipeg, Canada)

(6 mins presentation +3 mins discussion)

2.

SARS-COV-2 INFECTION AND REPLICATION IN HUMAN FOETAL AND PAEDIATRIC GASTRIC ORGANIDS

GG Giobbe, F Bonfante, E Zambaiti, O Gagliano, BC Jones, C Luni, C Laterza, S Perin, HT Stuart, M Pagliari, A Bortolami, E Mazzetto, A Manfredi, C Colantuono, L Di Filippo, S Shibuya, A Pellegata, V Sze Wing Li, S Eaton, N Thapar, D Cacchiarelli, N Elvassore, P De Coppi
(London, UK)

(6 mins presentation +3 mins discussion)

3.

REDUCED EPITHELIAL REGENERATION IN HIRSCHSPRUNG'S DISEASE

D Lee, Z Zhang, B Li, S Seo, L Li, A Yamataka, A Pierro
(Toronto, Canada)

(6 mins presentation +3 mins discussion)

4.

OESOPHAGEAL TISSUE-ENGINEERING IN LARGE ANIMAL MODEL: XENOGENEIC HUMAN CELL REGENERATION ON A DECELLULARISED PORCINE OESOPHAGUS

S Shibuya, M Pellegrini, N Durkin, M Garrido Flores, G Selmin, L Urbani, G Cossu, P Bonfanti, MFM Gerli, P De Coppi
(London, UK)

(6 mins presentation +3 mins discussion)

5.

PERFUSION DECELLULARIZATION OF RODENT LUNGS ALLOWS TO OBTAIN A VERSATILE EXTRACELLULAR MATRIX SCAFFOLD FOR IN VIVO 3D CULTURE

S Shibuya, F Michielin, T Benoist, F Tommasini, AF Pellegata, P De Coppi
(London, UK)

(6 mins presentation +3 mins discussion)

6.
THE ARYL HYDROCARBON RECEPTOR (AHR) IS INVOLVED IN THE PATHOGENESIS OF CONGENITAL DIAPHRAGMATIC HERNIA (CDH)

L Falk, WH Tse, N DeLeon, T Mahood, D Patel, R Keijzer
(Winnipeg, Canada)
(6 mins presentation +3 mins discussion)

7.
DURATION FROM THE FIRST PALE STOOL TO PORTOENTEROSTOMY IS PROGNOSTIC IN BILIARY ATRESIA. COMPARISON WITH AGE AT PORTOENTEROSTOMY. FURTHER ANALYSES.

H Nakamura, M Ara, H Koga, G Miyano, M Okawada, T Doi, GJ Lane, T Okazaki, M Urao, A Yamataka
(Tokyo, Japan)
(6 mins presentation +3 mins discussion)

8.
RESPIRATORY OUTCOMES IN THE FIRST TEN YEARS-OF-LIFE IN CHILDREN WITH GASTROSCHISIS: A RETROSPECTIVE COHORT STUDY

O Asemota, G Derraugh, M Levesque, R Balshaw, S Iqbal, S Lum Min, R Keijzer
(Winnipeg, Canada)
(6 mins presentation +3 mins discussion)

9.
CELL DEATH INDUCTION (EXTRINSIC VERSUS INTRINSIC APOPTOTIC PATHWAY) BY INTESTINAL ISCHEMIA-REPERFUSION INJURY IN RATS IS TIME-DEPENDENT

Y Ben-Shahar, Z Abassi, Y Pollak, T Koppelman, A Bitterman, I Sukhotnik
(Tel Aviv, Israel)
(6 mins presentation +3 mins discussion)

10.
VIRTUAL FOLLOW-UP OF LONG-TERM PHYSICAL, MENTAL AND EDUCATIONAL OUTCOMES FOR CHILDREN WITH CONGENITAL DIAPHRAGMATIC HERNIA

G Derraugh, M Levesque, R Balshaw, S Lum Min, R Keijzer
(Winnipeg, Canada)
(6 mins presentation +3 mins discussion)

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17:00-17:30 (Tel Aviv, Israel)
00:00-00:30 (Tokyo, Japan)

INVITED LECTURE II

**ENGINEERING GUT FOR BABIES:
HOW FAR ARE WE?
P De Coppi (London, UK)
(30 mins)**

DAY 2: SATURDAY, NOVEMBER 28TH, 2020

TIME ZONES:

07:00-07:30 (Toronto, Canada)
11:00-11:30 (London, UK)
12:00-12:30 (Frankfurt, Germany)
13:00-13:30 (Helsinki, Finland)
14:00-14:30 (Ankara, Turkey)
20:00-20:30 (Tokyo, Japan)

INVITED LECTURE III

**LAPAROSCOPIC-ASSISTED TRANSANAL
PULL-THROUGH FOR HIRSCHSPRUNG'S
DISEASE: TECHNIQUE REFINEMENTS**
A Yamataka (Tokyo, Japan)
(30 mins)

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12:30-14:00 (Frankfurt, Germany)
13:30-15:00 (Helsinki, Finland)
14:30-16:00 (Ankara, Turkey)
20:30-22:00 (Tokyo, Japan)

SCIENTIFIC SESSION III

CHAIRS: RJ Rintala (Helsinki, Finland)
AJW Millar (Cape Town, South Africa)

1.

PLASMA CITRULLINE CORRELATES WITH BASOLATERAL AMINO ACID TRANSPORTER LAT4 EXPRESSION IN HUMAN SMALL INTESTINE

S Maric, P Fluechter, S Maric, LC Guglielmetti, RF Staerkle, T Sasse, T Restin, C
Schneider, SG Holland-Cunz, P Crenn, RN Vuille-dit-Bille
(Zurich, Switzerland)
(4 mins presentation + 2 mins discussion)

2.

C-REACTIVE PROTEIN/ALBUMIN RATIO IS PROGNOSTIC IN PREDICTING THE NEED FOR SURGICAL INTERVENTION AND MORTALITY IN NEONATES WITH NECROTIZING ENTEROCOLITIS

AT Mohd-Amin, F Friedmacher, RA Zaki, SP Sharif
(London, UK)
(4 mins presentation + 2 mins discussion)

3.

EXPRESSION AND PROGNOSTIC VALUE OF NEUROENDOCRINE PEPTIDES IN NEUROBLASTOMA

Y Braun, TM Theilen, YJ Bathe, S Wehner, A Quaas, U Rolle, HC Fiegel
(Frankfurt, Germany)
(4 mins presentation + 2 mins discussion)

4.

INSIGHTS INTO THE PATHOPHYSIOLOGY OF ACUTE APPENDICITIS: RESULTS OF A PROSPECTIVE GENE EXPRESSION STUDY IN CHILDREN AND ADOLESCENTS

MI Minderjahn, N Kiss, J Reismann, K Hauptmann, H von Bernuth, M Reismann
(Berlin, Germany)
(4 mins presentation + 2 mins discussion)

5.

OPEN VERSUS LAPAROSCOPIC PYLOROMYOTOMY FOR PYLORIC STENOSIS: A COCHRANE SYSTEMATIC REVIEW AND META ANALYSIS

F Lunger, RF Staerkle, L Fink, T Sasse, M Lacher, A Marwan, S Holland-Cunz, RN Vuille-dit-Bille

(Basel, Switzerland)

(4 mins presentation + 2 mins discussion)

6.

FETAL SURGERY FOR SPINA BIFIDA IN ZURICH. A COMPREHENSIVE OVERVIEW OF RESULTS FROM 149 CASES

U Moehrlen, N Ochsenbein, L Vonzun, N Strübing, M Horst, S Schauer, D Wille, L Mazzone, B Casanova, Th Moehrlen, R Zimmermann, M Meuli

(Zurich, Switzerland)

(4 mins presentation + 2 mins discussion)

7.

PRENATAL VERSUS POSTNATAL SPINA BIFIDA REPAIR – THE ZURICH SINGLE CENTER EXPERIENCE ON HYDROCEPHALUS AND CEREBROSPINAL FLUID DIVERSION

S Schauer, N Kraysenbühl, L Mazzone, N Ochsenbein-Kölble, U Moehrlen, M Meuli

(Zurich, Switzerland)

(4 mins presentation + 2 mins discussion)

8.

CLINICAL AND TRANSLATIONAL RESEARCH IN ANORECTAL MALFORMATIONS FROM 1945 TO 2020: A BIBLIOMETRIC ANALYSIS

I Martynov, S Mayer, J Dues, JH Gosemann, M Lacher, X Feng

(Leipzig, Germany)

(4 mins presentation + 2 mins discussion)

9.

META-ANALYSIS OF COMPARATIVE STUDIES BETWEEN THORACOSCOPIC AND OPEN REPAIR FOR CONGENITAL DIAPHRAGMATIC HERNIA IN NEONATES

S Shibuya, I Paraboschi, S Giuliani, S Eaton, P De Coppi

(London, UK)

(4 mins presentation + 2 mins discussion)

10.

ENHANCING ESOPHAGEAL REPAIR WITH FIBROBLAST GROWTH FACTOR LOADED GELATIN AND POLY (ϵ -CAPROLACTONE) BASED BILAYER MESH

O Cesur, T Endoğan Tanır, P Celepli, F Ozarslan, S Hücümenoğlu, N Hasırcı

(Ankara, Turkey)

(4 mins presentation + 2 mins discussion)

11.

SLIT-SLIDE PROCEDURE: A NOVEL TECHNIQUE FOR UMBILICAL HERNIA TO CREATE A MORE NATURAL AND INTEGRATED APPEARANCE OF THE UMBILICUS

S.Onishi, G.Esumi, M.Fukuhara, T.Sato, N.Handa, S.Ieiri
(Kagoshima, Japan)

(4 mins presentation + 2 mins discussion)

12.

DISCREPANCY BETWEEN THE SURVIVAL RATE AND NEUROPSYCHOLOGICAL DEVELOPMENT IN POSTSURGICAL EXTREMELY-LOW-BIRTH-WEIGHT INFANTS: A RETROSPECTIVE STUDY OVER TWO DECADES AT A SINGLE INSTITUTION

M Muto, K Sugita, S Ibara, R Masuya, T Kawano, S Machigashira, K Sakamoto, K Nakame, S Shinyama, M Torikai, Y Hayashida, M Mukai, R Shimono, H Noguchi, S Ieiri

(Kagoshima, Japan)

(4 mins presentation + 2 mins discussion)

13.

THE CLINICAL CHARACTERISTICS OF FOCAL INTESTINAL PERFORATION IN ELBWS ON ENTERAL PROPHYLACTIC MICONAZOLE: A HISTORICAL COHORT STUDY BASED ON A 10-YEAR EXPERIENCE AT A SINGLE CENTER

K Sugita, M Torikai, S Ibara, T Harumatsu, C Ishihara, Y Naito, M Murakami, M Matsukubo, M Muto, T Kawano, S Machigashira, H Noguchi, S Ieiri

(Kagoshima, Japan)

(4 mins presentation + 2 mins discussion)

14.

MANAGEMENT AND OUTCOME OF ABDOMINAL WALL DEFECTS ASSOCIATED WITH GASTROSCHISIS AND OMPHALOCELE: BASED ON OVER 30-YEAR EXPERIENCE AT BICENTER

K Sugita, M Matsukubo, K Nakame, A Nagano, M Matsui, M Murakami, M Kawano, K Yano, S Onishi, T Harumatsu, K Yamada, W Yamada, M Muto, T Kaji, H Noguchi, S Ieiri

(Kagoshima, Japan)

(4 mins presentation + 2 mins discussion)

15.

SUCCESSFUL TREATMENT WITH SELECTIVE EMBOLIZATION OF THE RENAL ARTERY IN A PEDIATRIC PATIENT WITH TRAUMATIC URINOMA

T Takahashi, T Yamada, M Katayama, S Yamada, Y Yamada, A. Hamano
(Seirei, Japan)

(4 mins presentation + 2 mins discussion)

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INVITED LECTURE IV

**RESEARCH INTO HEALTH AND SAFETY
OF ATHLETES IN ELITE FIELD HOCKEY**

U Rolle (Frankfurt, Germany)
(30 mins)

TIME ZONES:

09:30-11:00 (Toronto, Canada)
13:30-15:00 (London, UK)
14:30-16:00 (Frankfurt, Germany)
15:30-17:00 (Nicosia, Cyprus)
16:30-18:00 (Ankara, Turkey)
22:30-00:00 (Tokyo, Japan)

SCIENTIFIC SESSION IV

CHAIRS: B Ure (Hannover, Germany)
M Meuli (Zurich, Switzerland)

1.

**EARLY ENTERAL FEEDING AFTER INTESTINAL ANASTOMOSIS IN CHILDREN:
A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED
CONTROLLED TRIALS**

Y Tian, H Zhu, BC Gulack, M Alganabi, J Ramjist, E Sparks, K Wong, C Shen, A Pierro
(Toronto, Canada)

(4 mins presentation + 2 mins discussion)

2.

**NEED FOR NASOGASTRIC DECOMPRESSION AFTER INTESTINAL SURGERY
IN CHILDREN: A SYSTEMATIC REVIEW AND META-ANALYSIS**

S Chusilp, M Yamoto, P Vejchapipat, A Pierro

(Toronto, Canada)

(4 mins presentation + 2 mins discussion)

3.

**TELEMEDICINE IN THE PEDIATRIC SURGERY IN GERMANY AMID THE COVID-
19 PANDEMIC**

G Lakshin, S Banek, D Keese, U Rolle, A Schmedding

(Frankfurt, Germany)

(4 mins presentation + 2 mins discussion)

4.

STRUCTURE-ANALYSIS OF PEDIATRIC THORACIC SURGERY IN GERMANY

C Böckle, J Blaser, N Schukfeh, J Zeidler, BM Ure, J Dingemann

(Hannover, Germany)

(4 mins presentation + 2 mins discussion)

5.

**SURIGICAL SITE INFECTION AFTER OPEN AND LAPAROSCOPIC SURGERY IN
CHILDREN: A SYSTEMATIC REVIEW AND META-ANALYSIS**

M Alganabi, G Biouss, A Pierro

(Toronto, Canada)

(4 mins presentation + 2 mins discussion)

6.
**OUTCOME OF CHOLEDHOCAL CYST IN INFANT VERSUS CHILDREN:
SYSTEMATIC REVIEW**

Y Yazaki, M Yamoto, A Pierro
(Toronto, Canada)

(4 mins presentation + 2 mins discussion)

7.
**TREATMENT OF CISPLATIN-RESISTANT CD34/CD90 DOUBLE POSITIVE
HEPATOBLASTOMA CANCER STEM CELLS WITH DECITABINE AND
ZEBULARINE**

J Hadhoud, M Lee-Theilen, G Volante, D Fadini, U Rolle, H Fiegel
(Frankfurt, Germany)

(4 mins presentation + 2 mins discussion)

8.
**TARGETING PD-L1 ON NEUROBLASTOMA CANCER STEM CELLS RESIDING IN
THEIR NICHE**

J Eichhorn, U Rolle, H Fiegel, M Lee-Theilen
(Frankfurt, Germany)

(4 mins presentation + 2 mins discussion)

9.
**EFFECT OF AQP1 INHIBITION ON TUMOR CELL MIGRATION IN
NEUROBLASTOMA**

Z Huo, A Leutert, M Lomora, U Kym, C Palivan, S Holland-Cunz, S Gros
(Basel, Switzerland)

(4 mins presentation + 2 mins discussion)

10.
**ELABORATION AND DEVELOPMENT OF 3D-PRINTED MODEL FOR TRAINING
IN ULTRASOUND GUIDED PICC PLACEMENT IN CHILDREN**

A Raffaele, M Negrini, S Marconi, E Negrello, V Mauri, GB Parigi, L Avolio, G
Riccipetioni
(Pavia, Italy)

(4 mins presentation + 2 mins discussion)

11.
**BUNK BED-RELATED FRACTURES AMONG CHILDREN AND ADOLESCENTS
TREATED IN A TERTIARY TRAUMA CENTRE: ARE WE AWARE OF THE RISKS?**

JW Duess, I Sorge, M Lacher, P Zimmermann
(Leipzig, Germany)

(4 mins presentation + 2 mins discussion)

12.
ATRESIA OF SMALL BOWEL: A COHORT STUDY

A Schmedding, U Rolle, S Gfroerer
(Frankfurt, Germany)

(4 mins presentation + 2 mins discussion)

13.

PREDICTIVE VALUE OF TUBULAR FRETILITY INDEX (TFI) FOR INFERTILITY OUTCOME IN CRYPTORCHID BOYS WITH INTRAABDOMINAL TESTES

Z Zachariou, E Gougoudi, F Hadjiselimovic

(Nicosia, Cyprus)

(4 mins presentation + 2 mins discussion)

14.

WARM-ISOTONIC SALINE IS AS EFFECTIVE AS TOPICAL RIFAMPICIN FOR THE PREVENTION OF INCISIONAL SURGICAL SITE INFECTIONS IN PERFORATED APPENDICITIS

O Cesur

(Ankara, Turkey)

(4 mins presentation + 2 mins discussion)

15.

THORACOSCOPIC OESOPHAGEAL ATRESIA/TRACHEO-OESOPHAGEAL FISTULA (OA/TOF) REPAIR IS ASSOCIATED WITH A HIGHER STRICTURE RATE: A SINGLE INSTITUTION'S EXPERIENCE

H Thakkar, D Mullasery, S Giuliani, S Blackburn, K Cross, J Curry, P De Coppi

(London, UK)

(4 mins presentation + 2 mins discussion)

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CLOSING REMARKS