

ISPSR

29th International Symposium on Pediatric Surgical Research

Scientific Program



September 8-10, 2016
Frankfurt (Main), Germany

www.ispsr2016.de

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29th International Symposium
on Pediatric Surgical Research

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WELCOME ADDRESS

It is a great pleasure for us to welcome all research interested pediatric surgeons to the 29th International Symposium on Pediatric Surgical Research at the University Hospital of the Goethe-University Frankfurt (Main), Germany.

The 29th International Symposium on Pediatric Surgical Research aims to provide an unique opportunity for young pediatric surgeons and research fellows to present their clinical and laboratory research. This meeting will bring together clinicians and basic scientists from all over the world in order to exchange their knowledge on all aspects of pediatric surgical diseases. Over the years, the International Symposium on Pediatric Surgical Research has become a global research forum for presenting high quality research.

Frankfurt is located right in the middle of Europe and is regarded a small but metropolitan city in Germany. The city is truly multicultural and open to everybody to come. You will find perfect travel conditions and all sorts of accommodation to stay. Furthermore, this vibrant city and its surroundings will give great opportunities to experience nice social events and trips.

In the name of the whole team, I hope that the 29th International Symposium on Pediatric Research will provide a great opportunity for all pediatric surgeons, interested in experimental and clinical research, to exchange knowledge and ideas.



Udo Rolle
Chairman, Local Organizing Committee

International Scientific Committee

Arnold Coran
(Ann Arbor, USA)

Paolo De Coppi
(London, United Kingdom)

Devendra K. Gupta
(New Delhi, India)

Michael Höllwarth
(Graz, Austria)

Martin Meuli
(Zürich, Switzerland)

Alastair Millar
(Cape Town, South Africa)

Agostino Pierro
(Toronto, Canada)

Prem Puri
(Dublin, Ireland)

Risto Rintala
(Helsinki, Finland)

Massimo Rivosecchi
(Rome, Italy)

Udo Rolle
(Frankfurt (Main), Germany)

Juan Tovar
(Madrid, Spain)

Benno Ure
(Hannover, Germany)

Atsuyuki Yamataka
(Tokyo, Japan)

Local Organizing Committee

Udo Rolle (Chairman)

Henning Fiegel

Stefan Gfroerer

Kerstin Petri

Conference Office

event lab. GmbH
Dufourstraße 15
04107 Leipzig, Germany

Email: abloess@eventlab.org
Phone: 0049 (0) 341 24059682

Venue

Goethe University Frankfurt (Main)
Theodor-Stern-Kai 7
60596 Frankfurt Main, Germany

All sessions take place in the lecture hall "Paul Ehrlich", house 22 (see details at the campus map at the cover page).

Catering and the registration desk can be found in the foyer of lecture hall "Paul Ehrlich".

Registration Desk

The registration desk will be located in the foyer of lecture hall "Paul Ehrlich".

Opening hours of the registration desk:

Friday, September 9, 2016	07:30 am – 04:00 pm
Saturday, September 10, 2016	08:30 am – 02:00 pm

Phone on-site: 0049 (0) 171 8363978

Technical Facilities Speakers Preview

The files (USB-Stick) should be handed out to the technical support in the lecture hall.

Research Prizes

There will be two prizes for the best scientific papers presented by a young investigator (< 35 years) in the prize session at the 29th International Symposium of Pediatric Surgical Research:

Prem Puri Prize (€ 1,500) for the best basic science paper

Michael Höllwarth Prize (€ 1,500) for the best clinical research paper

Public Transport

The venue can easily be reached from the city center by public transport.

Tram: No. 12 and 21 from stop "Hauptbahnhof" or from "Südbahnhof" No. 15 till stop "Theodor-Stern-Kai".

Registration Fees

The registration fee includes unlimited access to the scientific sessions, coffee and lunch breaks, the welcome reception, as well as the conference dinner.

	On-Site-Registration Fee
Resident/Research Fellow	295,00 €
Delegate	345,00 €
Accompanying Person*	175,00 €

*Please note that the fee for accompanying persons includes the social events only: Welcome reception and conference dinner. Admittance to the scientific program is limited to academic participants.

Conference Language

The official conference language is English.

Social Program

Welcome reception | Thursday, September 8, 2016 | beginning 06:30 pm

The welcome reception will be held in one of Frankfurt's original apple wine pubs. Professor Rolle is pleased to invite you for dinner at the "Zum Feuerrädchen".
Zum Feuerrädchen | Textorstr. 24 | 60594 Frankfurt (Main)

Public Transport:

Tram No. 14 from „Südbahnhof“ (direction Bornheim) or 16 (direktion Offenbach Stadtgrenze) till stop „Brückenstrasse / Textorstraße“. Please cross the street and follow the street on the right-hand side. You will reach the apple wine pub after only 50 meters of walk.

Conference dinner | Friday, September 9, 2016 | bus shuttle departs 05:30 pm

Please use the opportunity to join the conference dinner at the charming vineyard "Weingut Allendorf" (Oestrich-Winkel, Germany) right in the most beautiful part of the Rheingau region close to the city of Frankfurt (Main).

We will provide a bus shuttle from the hospitals grounds (in front of house 65) and back. Coaches depart from hospital grounds at 05:30 pm and return at 11:00 pm. The bus ride will take approximately about 60 minutes.

Program Overview

Thursday, September 8, 2016	
03:30 pm – 06:00 pm	Meeting of the International Board of Pediatric Surgical Research at InterContinental Hotel Frankfurt
06:30 pm	Welcome reception at "Zum Feuerrädchen"
Friday, September 9, 2016	
07:30 am	Registration desk opens
08:15 am	Welcome address by Professor Udo Rolle
08:30 am – 10:30 am	Scientific session I (Prize session)
10:30 am – 11:00 am	Coffee break
11:00 am – 01:00 pm	Scientific session II
01:00 pm – 02:00 pm	Lunch
02:00 pm – 03:30 pm	Scientific session III
03:30 pm – 04:00 pm	Coffee break
04:00 pm – 05:00 pm	Scientific session IV
05:30 pm	Coaches depart from hospital grounds for Weingut Allendorf
06:30 pm	Social Dinner at the Weingut Allendorf
11:00 pm	Coaches depart Weingut Allendorf for hospital grounds
Saturday, September 10, 2016	
08:30 am	Registration desk opens
09:00 am – 10:30 am	Scientific session V
10:30 am – 11:00 am	Coffee break
11:00 am – 12:30 pm	Scientific session VI
12:30 pm – 02:00 pm	Lunch
02:00 pm – 04:00 pm	Scientific session VII
04:00 pm	Closing remarks

THURSDAY, SEPTEMBER 8, 2016

06:30 pm **WELCOME RECEPTION**

FRIDAY, SEPTEMBER 9, 2016

07:30 am –
08:15 am **REGISTRATION**

08:15 am **WELCOME ADDRESS:**
Professor Udo Rolle

08:30 am –
10:30 am **SCIENTIFIC SESSION I (PRIZE SESSION)**

Prem Puri Prize for Basic Science Research **Micheal Höllwarth Prize for Clinical Research**

CHAIRS:

Juan Tovar (Madrid), Benno Ure (Hannover)

1. BLOCKADE OF THE RENIN-ANGIOTENSIN SYSTEM PREVENTS ACUTE AND IMMUNOLOGICALLY-RELEVANT COLITIS MURINE MODELS

**[M Okawada](#), [SD Larsen](#), [E Lipka](#), [J Hillfinger](#),
[DH Teitelbaum](#) (Ann Arbor, USA)**

2. ALTERED DIFFERENTIATION OF ENTERIC NEURAL CREST DERIVED CELLS FROM ENDOTHELIN-B RECEPTOR NULL MOUSE MODEL OF HIRSCHSPRUNG'S DISEASE

**[N Fujiwara](#), [K Miyahara](#), [N Nakazawa-Tanaka](#), [C Akazawa](#),
[A Yamataka](#) (Tokyo, Japan)**

3. MARKEDLY ALTERED FECAL BILE ACID POOL RELATES TO INTESTINAL ANATOMY AND PARENTERAL NUTRITION IN PEDIATRIC INTESTINAL FAILURE

[A Mutanen](#), [Risto Rintala](#), [MP Pakarinen](#) (Helsinki, Finland)

4. B16-MELANOMA MEDIATES UP-REGULATION OF ED_A+ FIBRONECTIN IN PRE-METASTATIC ORGANS

[TM Theilen](#), [M Papaspyridonos](#), [SR Granitto](#), [S Lavotshkin](#), [RN Kaplan](#), [U Rolle](#), [MP LaQuaglia](#), [D Lyden](#) (Frankfurt, Germany)

5. FORMULA FEEDING AND SYSTEMIC HYPOXIA SYNERGISTICALLY INDUCE INTESTINAL HYPOXIA IN EXPERIMENTAL NECROTISING ENTEROCOLITIS

**[Y Chen](#), [Y Koike](#), [H Miyaki](#), [B Li](#), [C Lee](#), [A Pierro](#)
(Toronto, Canada)**

FRIDAY, SEPTEMBER 9, 2016

08:30 am –
10:30 am

SCIENTIFIC SESSION I (PRIZE SESSION)

6. IN VITRO AND IN VIVO EVALUATION OF ENGINEERED SKELETAL MUSCLES FROM DECELLULARISED MATRICES COMBINED WITH MUSCLE PRECURSOR CELLS AND FIBROBLASTS

F Scottoni, A Urciuolo, L Urbani, S Perin, P Maghsoudlou, ME Alvarez-Fallas, A Gjinovci, S Eaton, P De Coppi (London, UK)

7. DECREASED DESMIN EXPRESSION IN THE DEVELOPING DIAPHRAGM OF THE NITROFEN-INDUCED CONGENITAL DIAPHRAGMATIC HERNIA RAT MODEL

T Takahashi, J Zimmer, F Friedmacher, P Puri (Dublin, Ireland)

8. ACCELERATED INTESTINAL EPITHELIAL CELL TURNOVER AFTER BOWEL RESECTION IN A RAT IS CORRELATED WITH INHIBITED HEDGEHOG SIGNALING CASCADE

I Sukhotnik, T Dorfman, S Halabi, Y Pollak, N Bitterman, AG Coran, D Berkowitz (Haifa, Israel)

9. ACTIVATION OF THE WNT/ β -CATENIN PATHWAY IS COMMON IN WILMS TUMOR, BUT RARELY THROUGH β -CATENIN MUTATION AND APC PROMOTER METHYLATION

A Schweigert, C Fischer, D Mayr, D von Schweinitz, R Kappler, J Hubertus (Munich, Germany)

10. DOWNREGULATION OF FORKHEAD BOX F1 GENE EXPRESSION IN THE PULMONARY VASCULATURE OF NITROFEN-INDUCED CONGENITAL DIAPHRAGMATIC HERNIA

J Zimmer, T Takahashi, AD Hofmann, P Puri (Dublin, Ireland)

10:30 am –
11:00 am

COFFEE BREAK

FRIDAY, SEPTEMBER 9, 2016

11:00 am –
01:00 pm

SCIENTIFIC SESSION II

CHAIRS:

Prem Puri (Dublin), Michael Höllwarth (Graz)

11. INCREASED ACT1/IL-17R EXPRESSION IN HIRSCHSPRUNG'S DISEASE

[C Tomuschat, AM O'Donnell, D Coyle, P Puri \(Dublin, Ireland\)](#)

12. ALTERED EXPRESSION OF A-TYPE POTASSIUM CHANNELS IN HIRSCHSPRUNG'S DISEASE

[AM O' Donnell, B Parekh, C Tomuschat, P Puri \(Dublin, Ireland\)](#)

13. INTESTINAL ATRESIA CAUSES CHANGES IN THE ENTERIC NERVOUS SYSTEM (ENS) OF ALMOST ALL PARTS OF THE DIGESTIVE TRACT IN A CHICK MODEL.

[R Metzger, N Peukert, C Oetzmann v. Sochaczweski, D Kluth \(Salzburg, Austria\)](#)

14. IMPACT OF NEW MUTATION IDENTIFICATION IN THE RET PROTO-ONCOGENE IN A FAMILY WITH HIRSCHSPRUNG'S DISEASE

[T Kawano, K Hosomichi, I Inoue, S Onishi, K Nakame, M Mukai, T Kaji, S Ieiri \(Kagoshima, Japan\)](#)

15. POST-NATAL ERYTHROMYCIN EXPOSURE AND RISK OF PYLO-RIC STENOSIS: A SYSTEMATIC REVIEW AND META-ANALYSIS

[L Murchison, P De Coppi, S Eaton \(London, UK\)](#)

16. RECTAL MUCOSAL BIOPSY UNDER GENERAL ANESTHESIA ENSURES OPTIMUM DIAGNOSIS OF DISORDERS OF BOWEL MOTILITY

[T Imaizumi, H Murakami, H Nakamura, S Seo, H Koga, G Miyano, M Okawada, T Doi, GJ Lane, T Okazaki, A Yamataka \(Tokyo, Japan\)](#)

17. DIRECT OBSERVATION OF ENTERIC GLIAL CELL REGENERATION AND SEMAPHORIN 3A EXPRESSION AFTER ISCHEMIA/ REPERFUSION INJURY IN SOX10-VENUS MICE

[M Takeda, K Miyahara, M Okawada, C Akazawa, GJ Lane, A Yamataka \(Tokyo, Japan\)](#)

18. FENOFIBRATE REDUCES INTESTINAL DAMAGE AND IMPROVES INTESTINAL RECOVERY FOLLOWING INTESTINAL ISCHEMIA-REPERFUSION INJURY IN A RAT

[I Sukhotnik, N Nissimov, Y Ben Shahaar, N Bitterman, Y Pollak, D Berkowitz, AG Coran, A Bitterman \(Haifa, Israel\)](#)

FRIDAY, SEPTEMBER 9, 2016

11:00 am –
01:00 pm

SCIENTIFIC SESSION II

19. OSMOLARITY OF ENTERAL FORMULA AND SEVERITY OF EXPERIMENTAL NECROTIZING ENTEROCOLITIS

H Miyake, Y Chen, Y Koike, A Hock, B Li, C Lee, A Pierro (Toronto, Canada)

20. THE NOVEL PREVENTION EFFECT OF DAIKENCHUTO (TU-100), A JAPANESE HERBAL MEDICINE, AGAINST NEONATAL NECROTIZING ENTEROCOLITIS – AN EXPERIMENTAL STUDY

S Shinyama, H Matsufuji, T Kaji, M Mukai, K Nakame, H Takamatsu, S Leiri (Kagoshima, Japan)

21. THE INFLUENCE OF PROBIOTICS ON INTESTINAL HEALING IN VITRO

V Pfeifle, S Gros, S Keck, S Holland-Cunz (Basel, Switzerland)

22. GHRELIN IMPROVES HEPATOCELLULAR INJURY FOLLOWING SHORT BOWEL SYNDROME IN A PARENTERAL NUTRITION RAT MODEL

S Onishi, T Kaji, W Yamada, T Moriguchi, K Sugita, K Yamada, T Kawano, K Nakame, M Mukai, M Souda, T Yoshioka, A Tanimoto, S leiri (Kagoshima, Japan)

01:00 pm –
02:00 pm

LUNCH

02:00 pm –
03:30 pm

SCIENTIFIC SESSION III

CHAIRS:

Paolo De Coppi (London), Martin Meuli (Zurich)

23. LONG-TERM PRESERVATION OF DECELLULARISED TISSUES FOR OESOPHAGEAL REGENERATION

L Urbani, P Maghsoudlou, A Milan, F Scottoni, M Menikou, G Totonelli, CK Hagen, S Eaton, A Burns, A Olivo, P De Coppi (London, UK)

24. COMPARISON OF THE IN VIVO IMMUNE RESPONSES TOWARDS VASCULARIZED AND NON-VASCULARIZED HUMAN Dermo-epidermal skin substitutes

AS Klar, T Biedermann, C Simmen-Meuli, E Reichmann, M Meuli (Zurich, Switzerland)

FRIDAY, SEPTEMBER 9, 2016

02:00 pm –
03:30 pm

SCIENTIFIC SESSION III

25. MYELINATED AND UNMYELINATED NERVE FIBERS REINNERVATE TISSUE-ENGINEERED Dermo-EPIDERMAL HUMAN SKIN ANALOGS IN AN IN VIVO MODEL

[T Biedermann](#), [AS Klar](#), [S Böttcher-Haberzeth](#), [E Reichmann](#), [M Meuli](#) (Zurich, Switzerland)

26. SUCCESSFUL GRAFTING OF TISSUE ENGINEERED FETAL SKIN
[L Mazzone](#), [M Pratsinis](#), [L Pontiggia](#), [E Reichmann](#), [M Meuli](#) (Zurich, Switzerland)

27. TRANSPLANTATION OF HUMAN AMNIOTIC MEMBRANE OVER THE LIVER SURFACE REDUCES HEPATIC FIBROSIS IN A CHOLESTATIC MODEL IN YOUNG RATS.

[M Garrido](#), [C Escobar](#), [C Zamora](#), [C Rejas](#), [J Varas](#), [C Córdova](#), [C Papuzinski](#), [M Párraga](#), [S San Martín](#), [S Montedónico](#) (Valparaiso, Chile)

28. FACTORS INVOLVED INTO CEREBRAL MICROVASCULAR THROMBOSIS IN MICE WITH COLITIS ULCEROSA

[ME Höllwarth](#), [J Russell](#), [DN Granger](#) (Graz, Austria)

29. ANALYSIS OF SKELETAL ABNORMALITIES IN CADMIUM-INDUCED OMPHALOCELE CHICK MODEL USING THREE DIMENSIONAL MICRO-COMPUTED TOMOGRAPHY

[Y Shigeta](#), [N Fujiwara](#), [A Yamataka](#), [T Doi](#) (Tokyo, Japan)

30. CILIARY NEUROTROPHIC FACTOR FUSED TO A PROTEIN TRANSDUCTION DOMAIN FOR THE TREATMENT OF PERIPHERAL NERVE INJURY

[F Grandi](#), [E Stocco](#), [S Barbon](#), [S Rajendran](#), [A Porzionato](#), [V Macchi](#), [R De Caro](#), [PG Gamba](#), [PP Parnigotto](#), [C Grandi](#) (Padua, Italy)

31. A POSSIBLE ALKALOSIS RELATED REDUCTION OF CEREBRAL OXYGENATION IN INFANTS WITH HYPERTROPHIC PYLORIC STENOSIS

[M Nissen](#), [G Cernaianu](#), [R Thränhardt](#), [MR Vahdad](#), [K Barenberg](#), [RB Tröbs](#) (Herne, Germany)

32. AQP1 INFLUENCES CELL WATER PERMEABILITY AND MOBILITY
[M Lomora](#), [U Kym](#), [V Pfeifle](#), [S Holland-Cunz](#), [SJ Gros](#) (Basel, Switzerland)

03:30 pm –
04:00 pm

COFFEE BREAK

FRIDAY, SEPTEMBER 9, 2016

04:00 pm –
05:00 pm

SCIENTIFIC SESSION IV

CHAIRS:

Udo Rolle (Frankfurt), Miko Pakarinen (Helsinki)

33. SURGICAL STRATEGY FOR NEUROBLASTOMA IN JAPAN
A Yoneda, T Tajiri, T Hishiki (Osaka, Japan)

34. DIAGNOSING PEDIATRIC SOLID TUMORS FROM PERIPHERAL BLOOD SAMPLES: TUMOR-EPITOPE DETECTION IN MACROPHAGES VIA EDIM BLOOD TEST
E Schmid, MJ Stagno, R Handgretinger, S Warmann, J Fuchs (Tuebingen, Germany)

35. TGF β -ID1 SIGNALING IS INDICATIVE FOR VESSEL ADHESIVE GROWTH OF NEUROBLASTOMA
J Mühling, A Pohl, J Müller-Höcker, D von Schweinitz, R Kappler (Munich, Germany)

36. THREE DECADES' OF EXPERIENCE IN THE SURGICAL MANAGEMENT OF HEPATOBLASTOMA
PH Yu Chung, KK Yuen Wong, AC Yan Chan, CM Lo, PK Hang Tam (Hong Kong, China)

37. SURVIVAL AND CELL VIABILITY IN DEPENDENCE OF GLUTAMINE SYNTHETASE AND ASPARAGINE SYNTHETASE IN HEPATOBLASTOMA
A Schmidt, A Armento, O Bussolati, V Ellerkamp, E Schmid, S W Warmann, S Armeanu-Ebinger, J Fuchs (Tuebingen, Germany)

38. INVESTIGATING THE ROLE OF STEM CELL MARKER CD34 IN HEPATOBLASTOMA CELLS
M Lee-Theilen, G Kroll, S Groerer, U Rolle and HC Fiegel (Frankfurt, Germany)

05:30 pm

BUSSES LEAVE FOR SOCIAL DINNER

SATURDAY, SEPTEMBER 10, 2016

09:00 am –
10:30 am

SCIENTIFIC SESSION V

CHAIRS:

Agostino Pierro (Toronto), Arnold Coran (Ann Arbor)

39. PULMONARY HYPOPLASIA IN MIR-200B KNOCKOUT MICE RESULTS FROM ABNORMAL EPITHELIAL CELL DEVELOPMENT
N Khoshgoo, C Day, L Falk, P Snarr, BM Iwasiow, R Keijzer
(Manitoba, Canada)

40. MIR-200B AND LUNG HYPOPLASIA IN CONGENITAL DIAPHRAGMATIC HERNIA; IS DISTURBED EPITHELIAL-TO-MESENCHYMAL TRANSITION THE CULPRIT?
N Khoshgoo, F Zhu, C Fraser, BM Iwasiow, R Keijzer
(Manitoba, Canada)

41. MICRO-COMPUTED TOMOGRAPHY (μ -CT): A NEW TOOL FOR QUANTIFYING LUNG AND LIVER DEVELOPMENT IN THE FETAL RAT
M Markel, N Peukert, M Ginzler, H Schneider, S Brosig, S Mayer, M Lacher, D Kluth, JH Gosemann (Leipzig, Germany)

42. AGREEMENT BETWEEN MAGNETIC RESONANCE IMAGING AND COMPUTERIZED TOMOGRAPHY SCAN IN POSTNATAL EVALUATION OF CONGENITAL LUNG MALFORMATIONS.
S Zirpoli, M Napolitano, S Costanzo, C Vella, C Filisetti, F Destro, G Riccipettoni (Milan, Italy)

43. THERAPY OF CONGENITAL DIAPHRAGMATIC HERNIA BY USING A BIOCOMPATIBLE MATERIAL (LYOPLANT®) - FIRST EXPERIMENTAL RESULTS IN RATS
L Schoenfeld, P Sperling, K Backhaus, T Meyer
(Wuerzburg, Germany)

44. PATCH REPAIR OF CONGENITAL DIAPHRAGMATIC HERNIA DOES NOT INCREASE RECURRENCE RATE
H Elagami, CM Rees, M Allen, M Garriboli, KMK Cross, J Curry, S Blackburn, EM Kiely, Stanwell, A Pierro, J De Prest, S Eaton, P De Coppi (London, UK)

45. HEAVY METAL INTOXICATION AFTER MINIMALLY-INVASIVE REPAIR OF PECTUS EXCAVATUM
C Fortmann, JF Kübler, M Krüger, T Göen, C Petersen
(Hannover, Germany)

SATURDAY, SEPTEMBER 10, 2016

09:00 am –
10:30 am

SCIENTIFIC SESSION V

46. USE OF DUREPAIR PORCINE COLLAGEN MATRIX IN REPAIR OF CONGENITAL DIAPHRAGMATIC DEFECTS REQUIRES CAUTION
[M Zidan](#), [S Lum Min](#), [BJ Hancock](#), [M Morris](#), [N Wiseman](#), [R Keijzer](#) (Manitoba, Canada)

47. GENE EXPRESSION OF REDOX STATUS IS DISTURBED IN THE HEARTS IN EXPERIMENTAL CONGENITAL DIAPHRAGMATIC HERNIA
[R Aras-López](#), [L Martínez](#) (Madrid, Spain)

10:30 am –
11:00 am

COFFEE BREAK

11:00 am –
12:30 pm

SCIENTIFIC SESSION VI

CHAIRS:

[Risto Rintala](#) (Helsinki), [Massimo Rivosecchi](#) (Rom)

48. HEPATIC CYTOKINE CONCENTRATIONS DON'T CORRELATE WITH OUTCOME IN PATIENTS UNDERGOING KASAI PORTOENTEROSTOMY
[O Madadi-Sanjani](#), [G Vieten](#), [CS Falk](#), [C Petersen](#), [C Klemann](#), [J Kuebler](#) (Hannover, Germany)

49. CLASSIFICATION OF BILIARY ATRESIA IN THE LAPAROSCOPIC ERA. SUGGESTED MODIFICATIONS FOR TYPE III.
[H Nakamura](#), [N Murase](#), [H Koga](#), [J Cazares](#), [GJ Lane](#), [H Uchida](#), [A Yamataka](#) (Tokyo, Japan)

50. OPEN VERSUS LAPAROSCOPIC APPROACH FOR INTESTINAL MALROTATION IN INFANTS AND CHILDREN: A SYSTEMATIC REVIEW AND META-ANALYSIS
[VD Catania](#), [G Lauriti](#), [A Pierro](#), [A Zani](#) (Toronto, Canada)

SATURDAY, SEPTEMBER 10, 2016

11:00 am –
12:30 pm

SCIENTIFIC SESSION VI

51. INVESTIGATING THE EFFECTIVENESS OF LAPAROSCOPIC INGUINAL HERNIA REPAIR USING SURGICAL TISSUE ADHESIVES: A PILOT STUDY

H Carnaghan, S Hoare, N Hall, J Briely, S Blackburn, E Kiely, D Roebuck, S Eaton, P De Coppi (London, UK)

52. PERSISTENT CLOACA TREATED BY LAPAROSCOPIC-ASSISTED GEORGESON'S PULL-THROUGH. MRI EVALUATION OF MEDIUM-TERM OUTCOMES.

J. Wakhanrittee, M Okawada, T Doi, G Miyano, H Koga, GJ Lane, A Yamataka (Tokyo, Japan)

53. VALIDITY OF WATERSTON CLASSIFICATION IN BABIES WITH ESOPHAGEAL ATRESIA AND TRACHEO-ESOPHAGEAL FISTULA.

A Gupta, S Sharma, V Jain, S Agarwala, M Srinivas, M Bajpai, V Bhatnagar, DK Gupta (New Delhi, India)

54. DIVERSITIES OF H-TYPE ANORECTAL MALFORMATIONS: A RARE VARIANT OF THE KRICKENBECK CLASSIFICATION

S Sharma, DK Gupta (New Delhi, India)

55. ADDRESSING THE HIDDEN MORTALITY IN CONGENITAL DIA-PHRAGMATIC HERNIA: A POPULATION-BASED STUDY

C Mesas Burgos, B Frenckner (Stockholm, Sweden)

56. ON A WAY TO TRANSLATIONAL MEDICINE: IMPACT OF DIFFERENTIAL DOWNREGULATION OF METABOTROPIC AND IONOTROPIC RECEPTORS ON PARASYMPATHETIC EXCITATION OF URINARY BLADDER SMOOTH MUSCLE CELLS: A SIMULATION STUDY

IA Makedonsky, S Korogod, A Kochenov, E Pidubnaya (Dnipropetrovsk, Ukraine)

12:30 pm –
02:00 pm

LUNCH

SATURDAY, SEPTEMBER 10, 2016

02:00 pm –
04:00 pm

SCIENTIFIC SESSION VII

CHAIRS:

Alastair Millar (Cape Town), Devendra Gupta (New Delhi)

**57. BLOOD TRANSFUSIONS IN A PAEDIATRIC TRAUMA UNIT:
ARE WE WISE OR WASTEFUL?**

**M Salverda, N Ketharanathan, M van Dijk, E Beltchev, H Buys,
A Numanoglu, A Millar, AB van As (Cape Town, South Africa)**

58. PREDICTIVE VALUE OF OPTIC NERVE SHEATH DIAMETER MEASUREMENT FOR DETECTING RAISED INTRACRANIAL PRESSURE IN PAEDIATRIC TRAUMATIC BRAIN INJURY: A PROSPECTIVE OBSERVATIONAL STUDY

V Padayachy, L Padayachy, AB van As (Cape Town, South Africa)

59. SPORT INJURIES IN YOUNG CHILDREN: A 10-YEAR REVIEW

**HK Jahn, T Carter-Smith, JH Frost, A Millar, A Numanoglu,
AB van As (South Africa, Cape Town)**

60. FINGERTIP REGENERATION UNDER NOVEL SILICONE FINGERTIP WITH EMBEDDED ASPIRABLE WOUNDFLUID RESERVOIR – BETTER TREATMENT AND ATRAUMATIC ACCESS TO ANALYSE WOUND FLUID

**J Schultz, P Schröttner, S Leupold, S Sußmann, M Haase,
E Jacobs, G Fitze (Dresden, Germany)**

61. ESTIMATION OF EARLY CIRCULATING PERIPHERAL HEMATOPOIETIC PROGENITOR CELLS (HPC) FOLLOWING TRAUMA

**S Sharma, A Subramanian, V Albert, DK Gupta
(New Delhi, India)**

62. DOG BITE LESIONS IN CHILDREN: A RETROSPECTIVE STUDY

**MC Stănculescu, VL David, ES Boia, RE Iacob, S Lazea,
N Nistor, A Nyiredi, AV Protesi, ERG Salvante, MC Popoiu
(Timisoara, Romania)**

63. DEVELOPMENT OF A NON-INVASIVE HIGH-DEFINITION ELECTROMYOGRAPHY-PROBE FOR DETECTION OF INNERVATION ZONES IN SPHINCTER MUSCLES

**C Kiese, AL Danzer, B.Schickling HP Landgraf, T Reitmeier,
W Schulte-Mattler, D von Schweinitz, H Ketterl
(Munich, Germany)**

SATURDAY, SEPTEMBER 10, 2016

02:00 pm –
04:00 pm

SCIENTIFIC SESSION VII

64. EXTERNAL SQUEEZE TEST (EST) AT LAPAROSCOPIC HERNIA REPAIR; A NOVEL ON-TABLE ASSESSMENT TO ENSURE COMPLETE CLOSURE OF PATENT PROCESS VAGINALIS.

[DA Aziz, M Osman, F Lim, M MohdNor](#)
(Kuala Lumpur, Malaysia)

65. THE SOLID EPITHELIAL PLUG STAGE OF THE DUODENUM – TANDLER'S THEORY REVISITED

[B Troebbs](#) (Herne, Germany)

66. BLADDER AUGMENTATION WITH LYOPLANT®- FIRST EXPERIMENTAL RESULTS IN RATS

[F Winde, K Backhaus, F Seitz, P Sperling, T Meyer](#)
(Wuerzburg, Germany)

67. A USEFUL TIP FOR PREVENTING WOUND INFECTIONS AFTER HYPOSPADIAS REPAIR. A SINGLE SURGEON'S EXPERIENCE OF 376 CASES

[H Murakami, S Seo, T Ochi, Y Yazaki, M Takeda, GJ Lane, A Yamataka](#) (Tokyo, Japan)

68. PYELOPLASTY PERFORMED FOR ANTENATALLY DIAGNOSED ASYMPTOMATIC UNILATERAL HYDRONEPHROSIS DUE TO PELVI URETERIC JUNCTION OBSTRUCTION SHOWS SIGNIFICANT POSTOPERATIVE RENAL FUNCTION RECOVERY.

[R Patcharu, S Sharma, V Jain, DK Yadav, CS Bal, DK Gupta](#)
(New Delhi, India)

69. EVALUATED PERFORMED ORCHIDOPEXY YOUNGER TWO YEARS OLD EFFECT OF TESTICULAR VOLUME

[Ö Cesur](#) (Karabuk, Turkey)

04:00 pm

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