European Society of Pediatric Clinical Research
Europäische Gesellschaft für klinische pädiatrische Forschung

Medical Faculty Comenius University, Bratislava

June 21st - 22nd, 2018
Organized by
Department of Pediatrics Medical Faculty Comenius University and National Institute of Children’s Diseases
ES-PCR

Supported by
Ministry of Education, Science, Research and Sport of the Slovak Republic
Medical Faculty Comenius University in Bratislava

President of Conference
prof. Dr. Ľudmila Podracká, PhD.
prof. Dr. Radvan Urbánek

Organizing committee
Dr. Peter Musil, PhD.
doc. Dr. Juraj Staník, PhD.
doc. Dr. Peter Čižnár, PhD.
Dr. Tomáš Dallos, PhD.
Dr. Katarína Prochotská, PhD.
Dr. Alžbeta Lencsesová

Venue
Medical Faculty Comenius University in Bratislava
Moskovská 2
813 72 Bratislava

Language
English

Technical remarks
Oral presentations in English (10 minutes followed by 10 minutes discussion)
Posters will be displayed at the conference venue on June 22 from 7.00 AM
The posters should be not larger than 118 cm height and 84 cm width
Registration

June 21st 2018, from 2:00 p.m.–6:00 p.m.
Medical Faculty, Moskovská 2, Bratislava
No registration fee

Get together party (free of charge)

7:30 p.m.
Hotel Saffron, Radlinského 27, Bratislava - just 5 min. walk from the Medical Faculty
(300m)
Dear Friends,

we cordially welcome you in Bratislava. We are pleased to have you here and we are looking forward to exciting scientific presentations and stimulated discussion.

Sincerely,

Ľudmila Podracká
Radvan Urbánek

THURSDAY, JUNE 21, 2018

19:00  
Opening, Key note lecture and get together at the Hotel Saffron

New trends in the management of testicular germ tumors
Michal Mego, Bratislava- Slovakia

Welcome reception with Slovak folk music performance

FRIDAY, JUNE 22, 2018

Medical Faculty, Moskovská 2

8:00 – 8:15  Welcome

8:15 – 9:35  GENETICS

Aif deficiency in five patients: two novel mutations, heart involvement and aif and CHCHD4 level alterations in various autopsic tissues
Jan Kulhanek, Prague - Czech Republic

High prevalence of growth plate disorders among children with familiar short stature
Lukáš Plachý, Prague - Czech Republic

Clinical, cytogenetic and molecular assessment of Angelman-syndrome patients and description of a novel mutation in the UBE3A gene
Tímea Margit Szabó, Debrecen - Hungary

The change in the therapeutic approach based on genetic analysis in children with steroid-resistant nephrotic syndrome
Martin Bezdíčka, Praha - Czech Republic
9:35 – 9:45  **Coffee Break**

9:45 – 11:05  **NEPHROLOGY**

5 years follow-up of pediatric renal transplant recipients after joining Eurotransplant: a Hungarian retrospective analysis, early findings  
*László Berta, Budapest – Hungary*

Dynamics of salivary urea and creatinine during the development of renal injury in animal models  
*Alexandra Gaál Kovalčíková, Bratislava - Slovakia*

Role of nanovesicles in the development of peritoneal fibrosis during peritoneal dialysis  
*Beáta Szebeni, Budapest – Hungary*

The role of IL-20 cytokine subfamily in the pathogenesis of chronic kidney disease  
*Domonkos Pap, Budapest - Hungary*

11:05 – 11:15  **Coffee Break**

11:15 – 12:35  **CARDIOLOGY**

Correlation of pulse wave velocity parameters with kidney function markers in children  
*Mirjam Močnik, Maribor - Slovenia*

Use of mitral inflow propagation velocity as a marker of diastolic function in preterm newborns  
*Gergely Balázs, Debrecen - Hungary*

Comparison of preductal and postductal blood pressure values obtained by peripheral arterial lines in extremely preterm infants on the first day of life  
*Lukas Aichhorn, Wien - Austria*

MRI validation of surface distance measurement for pulse wave velocity in children  
*Adrienn Bárczi, Budapest – Hungary*

12:35 – 13:15  **Lunch**
13:15 – 14:00  **POSTER SESSION**

14:00– 15:20  **HEMATOLOGY, GASTROENTEROLOGY**

Improvement of the diagnostic workup based by Porto criteria: results of Hungarian prospective nationwide inception cohort pediatric IBD registry (HUPIR)
*Orsolya Somodi, Debrecen – Hungary*

Increment of exclusive enteral nutrition for children with Crohn’s disease based on Hungarian pediatric IBD registry (HUPIR)
*Veronika Kovács, Debrecen – Hungary*

Czech national registry of Diamond-Blackfan anemia: search for novel molecular markers
*Jana Volejníková, Olomouc – Czech Republic*

Factor VII deficiency in children – interrelations between genotype, factor VII activity and bleeding signs
*Marie Al-Muhanna, Debrecen – Hungary*

15:20 – 15:30  **Coffee Break**

15:30 – 16:50  **ENDOCRINOLOGY**

Automated vs. manual bone age assessment: comparative study in children and adolescents with endocrine disorders
*Klára Maratová, Prague – Czech Republic*

Influence of high fat diet and treadmill training on bone metabolism in experimental model of female rats with and without ovariectomy
*Katarína Krivošíková, Bratislava – Slovakia*

Diabetes mellitus in infants and toddlers
*Kristína Podoláková, Bratislava – Slovakia*

Baclofen pump implantation and selective dorsal rhizotomy as surgical teratment modalities in pediatric spastic cerebral palsy
*Míchal Petrík, Bratislava – Slovakia*
POSTER SESSION

Comprehensive development of the skin, oral and gut microbiome in extreme low birth weight infants during the first two weeks of life
Lukas Wisgrill, David Seki, Christos Zioutis, Angelika Berger, David Berry (Austria)

The feasibility of ECG screening in childhood: a population study
Vincze V., Papp Cs., Veres G., Mogyorósy G. (Hungary)

Changes in short-term blood pressure control after monthly spa stay in children with bronchial asthma
Tinka P., Lišková T., Svačinová J., Budinskaya K., Svízela V., Hrušková J., Rýdlová J., Hrstková H., Nováková Z. (Czech Republic)

Malnutrition as a risk factor to impaired vaccine response in paediatric inflammatory bowel disease
Boros K., Müller K., Cseh Á., Dezsőfi A., Arató A., Veres G. (Hungary)

Inguinal hernia in adolescents: is there an ideal way of treatment?
Kecskés E., Hodosi K., Sasi-Szabó L. (Hungary)

Appraisal of the association between inflammatory bowel diseases and acute pancreatitis – a meta-analysis
Tél B., Stubnya B., Kiss Z., Gede N., Hegyi P., Veres G. (Hungary)

Long term follow-up on body composition, physical activity, quality of life in pediatric patients with inflammatory bowel disease (IBD)
Dohos D., Zsirai Z., Müller K., Boros K., Veres G. (Hungary)

Characteristics of the microbiome under biological therapy in pediatric patients with inflammatory bowel disease
Kiss Z., Makra N., Juhász J., Tél B., Boros K.K., Szabó A.J., Szabó D., Veres G. (Hungary)

Novel insights into the pathophysiology of growth retardation and other endocrine conditions. Outline of an upcoming research project analysing consanguineous families from the North-East of Iraq
Amaratunga S., Tayeb TH., Lebl J., Průhová Š. (Czech Republic, Iraq)
Our first case of Hutchinson-Gilford Progeria Syndrome (HGPS) due to a pathogenic LMNA variant c.433G>A (p.Glu145Lys)
Toni L., Dušátková P., Novotná D., Žemková D., Průhová Š., Lebl J. (Czech Republic)

Determination of some biological markers of obesity in children with cardiovascular risk
Medved M., Ojsteršek L., Marčun Varda N. (Slovenia)

Examination of cellular procoagulant function by thrombin generation test
Hudák R., Beke Debreceni I., Gál Szabó G., Hevessy Z., Antal-Szalmás P., Kappelmayer J. (Hungary)

Clinical and biological impact of factor XIIIa expression in leukemic lymphoblasts
Gyurina K., Kárai B., Szegedi I., Hevessy Z., Scholtz B., Kappelmayer J., Kiss C. (Hungary)

Role of microRNAs and histone deacetylase enzymes in the pathogenesis of adult hematological malignancies
Gaál Z., Rejtő L., Erdődi F., Bálint B.L., Oláh E., Veres G., Csernoch L. (Hungary)

Alterations in bone mineral metabolism in survivors of childhood cancer
Lencsésová A., Tichá L., Sejnová D., Killinger Z., Payer J., Podracká L. (Slovakia)

Preventable and unpreventable risk factors of retinopathy of prematurity
Lenhartová N., Maťašová K., Lasabová Z., Mendelová A., Zibolen M. (Slovakia)

Vagus nerve stimulation in children – when time matters
Ramos Rivera GA., Foltán T., Švecová L., Kolníková M., Novotný M., Steño J., Sýkora P. (Slovakia)

7-dehydrocholesterol modifies the operation of Kv1.3 channels in T cells isolated from Smith-Lemli-Opitz syndrome patients

Connections of PACAP signalling pathways in Alzheimer disease kidney of mice
Perényi H., Hinnah B., Horváth G., Zákány R., Reglődi D., Veres G., Juhász T. (Hungary)

Can probiotic supplementation change cytokine response of children with urinary tract infection during antibiotic therapy?
Meštrović Popovič K., Langerholc T., Marčun Varda N. (Slovenia)
Renin-angiotensin-aldosterone system inhibitors ameliorate diabetic renal and cardiovascular complications

Sex differences and sex hormones in kidney functions of aging rats
Domonkos E., Kačmárová M., Borbélyová V., Gyurászová M., Gaál Kovalčíková A., Ostatníková D., Hodosy J., Celec P. (Slovakia)

APDS - rare primary immunodeficiency (case)
Trochanová I., Šoltýsová A., Kuková Z., Hricová M., Čižnár P. (Slovakia)

SIM1 and MC4R gene mutations in children with an early-onset severe obesity

Identification of novel gene variants involved in HNF1A-MODY diabetes
Terézia Valkovičová, Martina Škopková, Lucia Valentínová, Miloslava Hučková, Iwar Klimeš, Juraj Staník, Daniela Gašperíková (Slovakia)

17.00 – CONCLUDING REMARKS – BEST PRESENTATION & BEST POSTER AWARDS

Guided tour to Bratislava Castle will be available on demand