Scientific Programme

Wednesday, 18 October 2017

Opening & Closing Sessions
08:00 - 09:00

President's Welcome - Opening Lecture

Pediatric Diabetes: Rhetoric and Reality
Speaker: Joseph Wolfsdorf (United States) 08:00 - 08:40

Plenary Session
09:00 - 10:30

Plenary Session I, Prevention and Treatment of DKA

Chairs:
Chair: Joseph Wolfsdorf (United States)
Chair: Thomas Kapellen (Germany)

Treatment of diabetic ketoacidosis in children: New perspectives on intravenous fluid protocols and risk of cerebral injury
Speaker: Nicole Glaser (United States) 09:00 - 09:30

Psychosocial and economic aspects in recurrent DKA
Speaker: Michael Harris (United States) 09:30 - 10:00

Prevention of diabetic ketoacidosis
Speaker: Bruce King (Australia) 10:00 - 10:30

Oral Session
11:00 - 12:30

Oral Session I - Psychosocial Issues

Chairs:
Chair: Jill Weissberg-Benchell (United States)
Chair: Fergus Cameron (Australia)

Crowdsourced design of an online coping intervention for parents of very young children with type 1 diabetes
Speaker: Tim Wysocki (United States) 11:00 - 11:11

Characterizing diabetes burnout in parents of youth with type 1 diabetes (T1D)
Speaker: Marisa Hilliard (United States) 11:11 - 11:22

Establishing clinical cutoffs for the hypoglycemia fear survey
Speaker: Kimberly A. Driscoll (United States) 11:22 - 11:33
Reducing hypoglycemia fear in parents of young kids with type 1 diabetes (T1D) using video-based telemedicine: preliminary findings from REDCHIP
Speaker: Susana Patton (United States)

11:33 - 11:44

Maternal behaviors to monitor for type 1 diabetes in children genetically at risk in the TEDDY study: impact of first positive islet autoantibody test result
Speaker: Laura Smith (United States)

11:44 - 11:55

Perspectives of adolescents with type 1 diabetes (T1D) on diabetes well-being
Speaker: Barbara J. Anderson (United States)

11:55 - 12:06

Interactions among adolescent and young adult patients with type 1 diabetes and their health care providers: implications for glycemic control
Speaker: Maureen Monaghan (United States)

12:06 - 12:17

Participation in every day life of children and adolescents with type 1 diabetes - restrictions identified using the WHO's International Classification of Functioning, Disability and Health (ICF)
Speaker: Gabriele Berger (Austria)

12:17 - 12:28

Oral Session II - Diabetes education

Chair: Karin Lange (Germany)
Chair: Valentino Cherubini

Home telemedicine significantly improves adherence to medical appointments in young adults with type 1 diabetes
Speaker: Jennifer Raymond (United States)

11:00 - 11:11

Interest and acceptability of DiVE (Diabetes Virtual Education), a serious game dedicated to diabetes education in type one diabetes (T1D)
Speaker: Jacques Beltrand (France)

11:11 - 11:22

Democratizing diabetes knowledge in rural and underserved communities: endocrinology TeleECHO Clinic (Endo ECHO)
Speaker: Nicolas Cuttriss (United States)

11:22 - 11:33

Examining subgroup differences of treatment effects in the resilient, empowered, active living with diabetes (REAL Diabetes) study
Speaker: Elizabeth Pyatak (United States)

11:33 - 11:44

Carbohydrate (CHO) counting and type 1 diabetes (T1D): RCT of internet-based teaching for those learning to count
Speaker: Vanita Pais (Canada)

11:44 - 11:55

Educating teachers about diabetes - a retrospective analysis of a program making its mark
Speaker: Karen Crawford (Australia)

11:55 - 12:06
Scientific Programme

Colorado competency framework for diabetes care in schools: preparing a skilled school health workforce
Speaker: Cari Berget (United States)
12:06 - 12:17

The impact of the diabetes education to teachers on diabetes management of children with type 1 diabetes in the school setting
Speaker: Zehra Dogan (Turkey)
12:17 - 12:28

Oral Session
11:00 - 12:30

Oral Session III - New insulins, diabetes treatment and outcome
Hall Brüssel

Chairs:
Chair: Tadej Battelino (Slovenia)
Chair: Torben Biester (Germany)

Therapeutic Value of Human vs Analogue Insulin
Speaker: Sylvia Kehlenbrink (United States)
11:00 - 11:11

Randomised, double-blind, crossover trial comparing the safety and efficacy of insulin degludec (IDeg) and insulin glargine U100 (IGlar U100) in young adults with type 1 diabetes (T1D): SWITCH 1 subgroup analysis
Speaker: Thomas Danne (Germany)
11:11 - 11:22

Efficacy and safety of sotagliflozin, a dual SGLT1 and SGLT2 inhibitor, as adjunct to insulin in young adults with poorly controlled type 1 diabetes (JDRF Study; NCT02383940)
Speaker: Sangeeta Sawhney (United States)
11:22 - 11:33

Metformin improves insulin sensitivity in youth with type 1 diabetes independent of body mass index: a placebo-controlled randomized control trial
Speaker: Petter Bjornstad (United States)
11:33 - 11:44

Dyslipidemia and statin use in adolescents and young adults in the T1D Exchange Clinic Registry
Speaker: Sarah Lyons (United States)
11:44 - 11:55

Modest improvement of glycemic control with insulin pump treatment: a population-based prospective cohort study
Speaker: Arleta Rewers (United States)
11:55 - 12:06

The youngest children are the main beneficiary of insulin pump therapy - long-term outcome in children with type 1 diabetes?
Speaker: Iwona Ben-Skowronek (Poland)
12:06 - 12:17

Temporal trends in HbA1c and severe hypoglycaemia rates from 1995 to 2016 for paediatric patients with type 1 diabetes in the DPV and WACDD diabetes registries
Speaker: Sabine Hofer (Austria)
12:17 - 12:28
Meetings
12:30 - 13:45

**Jenious Meeting: Time to present your work**

**Chairs:**
Chair: Andrea Scaramuzza (Italy)
Chair: Klemens Dovc (Slovenia)
Chair: Elisa Giani (Italy)

- **Comparison of estimated HbA1c assessed through Abbott Freestyle Libre Software® and Siemens DCA Vintage® HbA1c in a sample of children and adolescents with type 1 diabetes**
  Speaker: Roque Cardona-Hernandez (Spain)

- **“La Vida Normal”: Adapting to Type 1 Diabetes for Bolivian Youth in a Context of Supply Scarcity and Stigma**
  Speaker: Katherine Janine Souris (United States)

- **Influences of ApoE genotypes and clinical characteristics on lipid profiles in children, adolescents and young adults with type 1 diabetes**
  Speaker: Maddalena Macedoni (Italy)

- **Update on Artificial Pancreas Research in Cambridge, UK**
  Speaker: Martin Tauschmann (Austria)

- **Efficacy of insulin degludec after switching from insulin detemir or glargine in children with type 1 diabetes**
  Speaker: Ioanna Kosteria (Greece)

**Satellite Symposium / Workshop / Round Table**
12:45 - 13:45

**Satellite Symposium / Industry Session**

**Nurses Networking Meeting**

**Satellite Symposium / Workshop / Round Table**
12:45 - 13:45

**Practical Workshop**

**Psychologists Networking Meeting**
Scientific Programme

ePoster Session
14:00 - 15:00
Dogana Hall

**ePoster Session 01: Technology**

**ePoster Corner 1**

**Chairs:**
Chair: Natasha Bratina

- **Wearable technology (MI Band and Yu Band) a boon for type 1 diabetic adolescent in west Delhi school children**
  Speaker: Vinod Sharma (India)

- **Flash monitoring system and adverse reactions**
  Speaker: Lida Mentesidou (Greece)

- **A clinic based study of the impact of flash glucose sensing technology on glycaemic control and self-monitoring of blood glucose in children and young people with type 1 diabetes**
  Speaker: Sandra Walton-Betancourth (United Kingdom)

- **FreeStyle Libre Flash glucose monitoring (Flash GM) system improves glycaemic control and patient quality of life measures in children with type 1 diabetes with appropriate provision of Flash GM education and support by healthcare professionals**
  Speaker: Donatella Pintus (United Kingdom)

- **Effectiveness of the MiniMed® 640G insulin pump on pediatric patients**
  Speaker: Boyi Jiang (United States)

- **Performance of a fourth-generation glucose sensor in a cohort of youth aged 2-18 years with type 1 diabetes (T1D)**
  Speaker: Jennifer Sherr (United States)

- **Efficacy of the predictive low glucose suspension algorithm in children and adolescents with type 1 diabetes using an insulin pump: a pilot study**
  Speaker: Davide Tinti (Italy)

- **Use of the accu-chek connect system may reduce diabetes distress in parents of type 1 diabetes children/adolescents**
  Speaker: Gnanagurudasan Prakasam (United States)

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**ePoster Session 02: Psychosocial Issues**

**ePoster Corner 2**

**Chairs:**
Chair: Tim Wysocki (United States)

- **Benefit-finding among parents of very young children with type 1 diabetes**
  Speaker: Jessica Pierce (United States)

- **Helplessness and fear of negative social evaluations differentially predict parental distress and depression risk in recently diagnosed youth with type 1 diabetes (T1D)**
  Speaker: Arwen Marker (United States)
Scientific Programme

Examining a four-factor structure of the fear of hypoglycemia survey for parents of young children (HFS-PYC)
Speaker: Amy Noser (United States)

Fear of hypoglycemia screening in mothers of children with type 1 diabetes
Speaker: Kimberly A. Driscoll (United States)

Parent depression and hemoglobin A1c (A1c) in youth new to type 1 diabetes (T1D)
Speaker: Arwen Marker (United States)

Reproductive and sexual health beliefs and behaviors in adolescent and young women with type 1 diabetes in Chile
Speaker: Franco Giraudo (Chile)

Clinical detection of diabetes distress (DD) among adolescents with diabetes
Speaker: Daniel Novak (Sweden)

Prevalence of attention-deficit/hyperactivity disorder in children and adolescents with early onset type 1 diabetes compared to general population peers
Speaker: Christina Bächle (Germany)

ePoster Session
14:00 - 15:00 Dogana Hall

ePoster Session 03: Diabetes Care
ePoster Corner 3

Chairs:
Chair: Thomas Kapellen (Germany)

Glucose control during days at school, weekends, and school holidays in youths with type 1 diabetes: multicentre analysis based on 62,500 days with continuous glucose monitoring
Speaker: Julia M. Hermann (Germany)

Factors influencing diabetes control in children using insulin pump from diabetes type 1 diagnosis
Speaker: Katarzyna Dżygało (Poland)

Comparing the characteristics of children and adolescents with type 1 diabetes on insulin pump and other insulin regimes in our centre
Speaker: Yijuan Yvonne Lim (Singapore)

Total remission in type 1 diabetes is rare and occurs primarily in older adolescents
Speaker: Thomas Kapellen (Germany)

Changing together: adolescents attitudes towards a new adolescent diabetes service that incorporates group psychoeducation and peer interaction opportunities
Speaker: Ciara Mc Donnell (Ireland)

Providing an integrated model of care to young people with diabetes: a New Zealand perspective
Speaker: Sonya Fraser (New Zealand)
**Scientific Programme**

**Home telemedicine clinic model significantly improves confidence, self-efficacy and communication in young adults with type 1 diabetes**
Speaker: Jennifer Raymond (United States)

**Home telemedicine significantly improves diabetes distress in young adults with type 1 diabetes**
Speaker: Marwan Bakhach (United States)

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**ePoster Session**
14:00 - 15:00
Dogana Hall

**ePoster Session 04: Exercise**

**ePoster Corner 4**

**Chairs:**
Chair: Ralph Ziegler (Germany)

- Feasibility of a physical activity intervention for children with type 1 diabetes: Steps to Active Kids with Diabetes (STAK-D)
  Speaker: Helen Quirk (United Kingdom)

- Barriers to exercise in youth with T1D: clinical lessons learnt from a qualitative analysis
  Speaker: Leanne Fried (Australia)

- Psychosocial barriers to exercise in youth with type 1 diabetes
  Speaker: Leanne Fried (Australia)

- A healthy mind in a healthy body - physical activity in children with DT1
  Speaker: Grazyna Deja (Poland)

- Acute effects on glycaemia of different types of exercise in youths with type 1 diabetes
  Speaker: Stefan Särnblad (Sweden)

- A comparison of daily lifestyle activities across Polish and Italian children with autoimmune diabetes: preliminary results from the DIAPEPSIN study
  Speaker: Elzbieta Niechcial (Poland)

- Physical activity, adiposity, diet composition and cardiovascular risk factors in children and adolescents with type 1 diabetes
  Speaker: Claudio Maffeis (Italy)

- Joint mobility and sports activities in young subjects with type 1 diabetes mellitus: which is the relationship?
  Speaker: Piergiorgio Francia (Italy)
Scientific Programme

ePoster Session
14:00 - 15:00
Dogana Hall

**ePoster Session 05: Nutrition**

**ePoster Corner 5**

**Chairs:**
Chair: Juliana Chizo Agwu (United Kingdom)

- **Acute impaired glucoregulation and altered gastrointestinal hormone secretion in adolescents in response to caffeine-containing and nutritionally-fortified “energy shots”**
  Speaker: Heidi Virtanen (Canada)

- **Insulin requirement for pure protein meal in children with type 1 diabetes**
  Speaker: Kamila Indulska (Poland)

- **Carbohydrate intake can be reliably estimated in photographed meals: a pilot study in adolescents with type 1 diabetes**
  Speaker: Päivi Tossavainen (Finland)

- **Cardiometabolic effects of sugar-sweetened beverages reduction and physical activity increase in obese children**
  Speaker: Júlia Galhardo (Portugal)

- **Introduction of nutritional intervention in type1 diabetes management at T1Diams, Mauritius**
  Speaker: Abdullah Dustagheer (Mauritius)

- **A user-survey: what do parents want from a children’s and young people’s diabetes dietitian?**
  Speaker: Laura Bull (United Kingdom)

- **Why don’t young people with type 1 diabetes (T1D) attend dietitian review and how would they like to receive nutrition information?**
  Speaker: Stephanie Savio (Australia)

- **KISS Advanced Bolus system is effective in managing the postprandial effect of high fat and protein meals in twenty five children and young people with type 1 diabetes at Birmingham Women’s and Children’s Hospital**
  Speaker: Catarina Leal (United Kingdom)

**ePoster Session 06: Epidemiology**

**ePoster Corner 6**

**Chairs:**
Chair: Andreas Neu (Germany)

- **Effect of early exposures on early vs. late onset islet autoimmunity: the Diabetes Autoimmunity Study in the Young (DAISY)**
  Speaker: Brigitte Frohnert (United States)
Scientific Programme

Atypical forms of "type 1" diabetes are common in non-Caucasian countries: results from the IDF Life for Child six-country epidemiology study
Speaker: Graham David Ogle (Australia)

Association between the bone metabolism marker osteocalcin and stimulated C-peptide in 32 newly diagnosed type-1-diabetic children and adolescents within the first year post diagnosis
Speaker: Jens Otto Broby Madsen (Denmark)

The association of type 1 diabetes mellitus and concentrations of drinking water components in Newfoundland and Labrador, Canada
Speaker: Leigh Anne Allwood-Newhook (Canada)

Geographical glance at the role of antipyretics in the aetiology of type 1 diabetes mellitus
Speaker: Darijus Veteikis (Lithuania)

Geographical variation in the incidence of type 1 diabetes in the Nordic countries
Speaker: Ulf Samuelsson (Sweden)

Incidence of type 1 and other forms of diabetes in children and youth in Dhaka, Bangladesh
Speaker: Bedowra Zabeen (Bangladesh)

Type 1 diabetes mellitus national registry of Sri Lanka
Speaker: Praveena Shanmugam (Sri Lanka)

ePoster Session
14:00 - 15:00
Dogana Hall

ePoster Session 07: Immunology

ePoster Corner 7

Rare protein-altering variants of known disease-associated genes in children with type 1A diabetes
Speaker: Misako Okuno (Japan)

Partial immunoglobulin A deficiency in children with type 1 diabetes - a grey zone of immune deficiency coexisting with autoimmunity?
Speaker: Wojciech Mlynarski (Poland)

Is the origin of the proband linked to development of autoimmunity in children genetically at risk of type 1 diabetes?
Speaker: Daniele Pacaud (Canada)

MAIT cells have increased IL-17 production in children with type 1 diabetes
Speaker: David Kinlen (Ireland)

Type 1 diabetes onset in children: the younger the worse?
Speaker: Catarina Limbert (Portugal)

Ascertained estimation of clinical value of ICA, GADA, and IA-2A assays in children and adolescents
Speaker: Evgeniya Evsyukova (Russian Federation)
**Scientific Programme**

**Comparison of natural killer (NK) cells and natural killer T-like cells in siblings of patients with type 1 diabetes mellitus to healthy children**  
Speaker: Robert Piekarski (Poland)

**ePoster Session 08: Insulin Resistance/Varia**

ePoster Corner 8

**Chairs:**  
Chair: Thomas Meissner (Germany)

- **Evolution of HbA1c and fasting plasma glucose concentrations in children under human recombinant growth hormone replacement therapy (GHRT)**  
  Speaker: Renata Dikaiakou

- **Insulin resistance in children with obesity**  
  Speaker: Agnieszka Szadkowska (Poland)

- **Association between dyslipidemia and non alcoholic fatty liver disease (NAFLD) with insulin resistance and anthropometric indices in overweight and obese children and adolescents**  
  Speaker: Eirini Dikaiakou (Greece)

- **Strong association of central obesity and insulin resistance with non-alcoholic fatty liver disease in overweight Asian Indian adolescents**  
  Speaker: Vandana Jain (India)

- **Circulating fibroblast growth factor-21 (FGF-21): a biomarker of endothelial dysfunction in obese Hispanic youth (OHY) with nonalcoholic fatty liver disease (NAFLD)?**  
  Speaker: Fida Bacha (United States)

- **Complement, obesity and cardiometabolic risk in adolescents**  
  Speaker: Melanie Copenhaver (United States)

- **Experience of insulin Deglutec in everyday clinical practice in children and adolescents with type 1 diabetes (T1D)**  
  Speaker: Maria Xatzipsalti (Chatzipsalti) (Greece)

- **Increasing trend of fasting plasma glucose in Korean youth: a nationally representative population-based study**  
  Speaker: Jieun Lee (Korea, Republic of)

**ePoster Session 09: Transition**

ePoster Corner 9

**Chairs:**  
Chair: Ulrike Schierloh
Scientific Programme

A national survey of transition care for youth and young adults with type 1 diabetes mellitus: perspectives of pediatric endocrinologists in Korea
Speaker: Jae Hyun Kim (Korea, Republic of)

Improving outcomes for youth with type 1 diabetes in transition to adult care through strengthening integration with primary care: an exploratory, cross-provincial study
Speaker: Roger Chafe (Canada)

Adolescents with type 1 diabetes perceptions and preparation for transition care
Speaker: Dahila Bekkat Berkani (Algeria)

Transition process from pediatric to adult care of adolescents with diabetes in Latin America
Speaker: Magdalena Mira (Chile)

Preparing adolescents with type 1 diabetes (T1D) to transition to adult care and adulthood
Speaker: Marisa Hilliard (United States)

Illustration of innovative, integrated diabetes training curricula for children and adolescents with type 1 diabetes mellitus (T1DM)
Speaker: Dominik Sethe (Germany)

An observational study of family communication about adolescents’ type 1 diabetes management at outpatient clinic appointments
Speaker: Caroline Rawdon (Ireland)

ePoster Session
14:00 - 15:00
Dogana Hall

ePoster Session 10: Latebreakers Varia I

An analysis of a local paediatric diabetes network in the UK using data from the National Paediatric Diabetes Audit (NPDA) 2015/2016
Speaker: Nathalie Ip (United Kingdom)

Pilot evaluation of a brief well-being survey for teens with type 1 diabetes (T1D): A clinical tool to enhance diabetes clinic visits
Speaker: Lori Laffel (United States)

Impact of clinical and social factors on non-physician healthcare practitioner time in pediatric diabetes
Speaker: Antoine Clarke (Canada)

Adjunctive therapy with dapagliflozin improves full closed loop post prandial glycaemic control in Type 1 diabetic young adults - The DAPADream
Speaker: Torben Biester (Germany)

Effects of sharing continuous glucose monitoring (CGM) data from young children with diabetes on CGM usage and hypoglycemic exposure
Speaker: Claudia Graham (United States)
Scientific Programme

**Accuracy of the flash glucose monitoring system during physical activity in youth with type 1 diabetes**
Speaker: Elisa Giani (Italy)

**640G Insulin pump therapy new hope or just a fancy gadget?**
Speaker: Wladyslaw B Gawel (Poland)

Posters on Display
14:00 - 15:00
Dogana Hall

**Posters on Display Day 1**

- All-cause mortality in patients with childhood onset diabetes mellitus
- Evaluation of glucagon test in children with acute-onset type 1 diabetes
- Current state of insulin therapy for Japanese pediatric and adolescent type 1 diabetes: the cohorts of the childhood-onset type 1 diabetic patients in Japanese Study Group of Insulin Therapy for Childhood and Adolescent Diabetes (JSGIT)
- Fifty years of registration of DT1 in children. Comparison of the periods 1967-96 and 1997-2016
- Could be the climate change a driver of incidence rate of T1D in children?
- Incidence and mortality rates, and clinical characteristics and complications, of type 1 diabetes among children and young adults in Bolivia
- Glycaemic control of type 1 diabetes patients at T1Diams, Mauritius
  Speaker: Abdullah Dustagheer (Mauritius)
- Characteristics of diabetes mellitus detected by school urinary screening in children
- Great groups (getting ready for transition): supporting transition to secondary school for children and parents living with diabetes
- Evaluation of the physical, emotional and social burden of caregiver of the child with type 1 diabetes
- Psychological barriers to the effective management of diabetes in New Zealand youth and young adults
- Food and eating behaviors among adolescents with type 1 diabetes and their parents
- Emotional distress, glycaemic control and quality of life in children with type 1 diabetes in Ireland
- Illness perception of adolescents with well-controlled type 1 diabetes mellitus
- The lived experiences of adolescents with well-controlled type 1 diabetes
- Adolescents with type 1 diabetes: rebels with or without a cause? The role of parental expectations and style of communication
- Holistic screening for adaptation response to type 1 diabetes in adolescents combined with a self-empowerment group approach - a pilot study
- Process of negotiating self-management responsibilities for type 1 diabetes and psychosocial wellbeing from the perspective of adolescents
Prevalence of depression in type 1 adolescents at a tertiary care center in Ahmedabad

Stress in teenagers with T1D and their parents: variations over time

Therapy with T regulatory lymphocytes in prediabetic patient - case report
Speaker: Małgorzata Myśliwiec (Poland)

Association of C-peptide concentration and hypoglycemia risk in people with type 1 diabetes treated with insulin glargine 300 U/mL (Gla-300) or insulin glargine 100 U/mL (Gla-100)

24-week efficacy and safety of sotagliflozin, a dual SGLT1 and SGLT2 inhibitor, as adjunct therapy to insulin in type 1 diabetes (inTandem1; NCT02384941)

24-week efficacy and safety of sotagliflozin, a dual SGLT1 and SGLT2 inhibitor, as adjunct therapy to insulin in type 1 diabetes (inTandem2; NCT02421510)

Evaluation of the three commonly used blood glucose meters at emergency paediatric unit, Ahmadu Bello University Teaching Hospital, Zaria, Nigeria

Point of Care [POC] biosensors for diabetes biomarkers: clinical and community applications in diabetes care [type 1 and 2]

Usage of continuous glucose monitoring at a non-reimbursed setting

Study design of the MiniMed® 670G hybrid closed-loop (HCL) system pivotal trial in a cohort aged 2-13 years with type 1 diabetes (T1D)

An overview of blood glucose in MODY 2 using continuous glucose monitoring system; does CGMS add an early diagnostic value

A low cost CGMs device can improve glycemic control in a developing country

Diagnostic intermittent continuous glucose monitoring is helpful in management of paediatric type 1 diabetes: a single centre patient experience

Determinants of glycemic control in children and adolescents with T1D. Cohort study

Providing rights based information to parents of children with type 1 diabetes through a volunteer advocacy service model

Experience with a diabetes comprehensive clinic care model: what is the gauge of success?
Speaker: K.M. Hong (United States)

Assessment of quality of care in children and adolescents with type 1 diabetes mellitus in diabetes clinic, children's hospital, Ain Shams University

Lipid profile analysis in type 1 diabetes patients under 18 years in pediatric endocrinology ambulatory of Regional University of Blumenau (Brazil)

Age specific differences of basal insulin rate, carbohydrate ratio and insulin sensitivity factor in type 1 diabetes patients of various ages

Insulin therapy regimens used in the Romanian pediatric population with type 1 diabetes mellitus: a cross-sectional descriptive analysis

Transition from paediatric to adult care

Growth status of children and adolescents with type 1 diabetes

Translation of DTSQ Teen and treatment satisfaction in adolescents with type 1 diabetes
Scientific Programme

Symposium
15:15 - 16:45  Hall Tirol

Symposium I, Transition - Bridging the Gap
Chairs:
Chair: Gabriele Häusler (Austria)
Chair: Lori Laffel (United States)

- **Challenges around successful transition** 15:15 - 15:45
  Speaker: Katharine Garvey (United States)

- **Developmental transition - how to determine the best time** 15:45 - 16:15
  Speaker: Marisa Hilliard (United States)

- **The adult perspective on transition** 16:15 - 16:45
  Speaker: Helena Gleeson (United Kingdom)

Symposium
15:15 - 16:45  Hall Innsbruck

Symposium II, Nutrition - Debate PRO and CON on carb counting
Chairs:
Chair: Carmel Smart (Australia)
Chair: Francesca Annan (United Kingdom)

- **Eating habits around the world in 2017 - From food insecurity to lifestyle diets focusing on children with type 1 Diabetes Mellitus** 15:15 - 15:45
  Speaker: Melina Karipidou (Greece)

- **PRO Carb counting** 15:45 - 16:15
  Speaker: Sheryl Salis

- **Carbohydrate counting; just a part of a bigger picture** 16:15 - 16:45
  Speaker: Asma Deeb (United Arab Emirates)

Symposium
15:15 - 16:45  Hall Brüssel

Symposium III, Progress towards CURE
Chairs:
Chair: Johnny Ludvigsson (Sweden)
Chair: David Maahs (United States)

- **Age-dependent human beta-cell proliferation induced by GLP-1 and calcineurin signaling** 15:15 - 15:45
  Speaker: Seung K. Kim (United States)

- **Pharmacological targeting of cell type identity in the endocrine pancreas** 15:45 - 16:15
  Speaker: Stefan Kubicek (Austria)

- **Development of a stem cell-derived islet replacement for type 1 diabetes** 16:15 - 16:45
  Speaker: Howard Foyt (United States)
Scientific Programme

Opening & Closing Sessions
17:00 - 17:30

Opening Ceremony

Opening & Closing Sessions
17:30 - 18:30

Opening Reception
Scientific Programme

Thursday, 19 October 2017

Satellite Symposium / Workshop / Round Table
07:45 - 08:45
Hall Brüssel

Satellite Symposium / Industry Session

Plenary Session
09:00 - 10:30
Hall Tirol

Plenary Session II, e-learning - novel tools for diabetes education of healthcare professionals and patients

Chairs:
Chair: Sheridan Waldron (United Kingdom)
Chair: Julie Pelicand (Chile)

New ways of educating diabetes teams
Speaker: Dorothy J Becker (United States)
09:00 - 09:30

Age appropriate e-learning tools for patients and their families
Speaker: Karin Lange (Germany)
09:30 - 10:00

App use for diabetes education: staying relevant in a changing world
Speaker: Helen Phelan (Australia)
10:00 - 10:30

Symposium
11:00 - 12:30
Hall Tirol

Symposium IV, Physical activity

Chairs:
Chair: Peter Adolfsson (Sweden)
Chair: Aaron Kowalski (United States)

Fueling active youth with type 1 diabetes. Nutrition recommendations for exercise to optimise glycaemic control and sports performance
Speaker: Carine Hume (United Kingdom)
11:00 - 11:30

Exercise management in type 1 diabetes
Speaker: Craig Taplin (United States)
11:30 - 12:00

What’s your everest?
Speaker: Will Cross (United States)
12:00 - 12:30
Scientific Programme

Symposium
11:00 - 12:30  
Hall Innsbruck

**Symposium V, Beyond A1c - other markers for patient well-being**

**Chairs:**
Chair: Kim Donaghue (Australia)
Chair: Zdenek Sumnik (Czech Republic)

- **Cardiovascular risk factors in diabetes outcome**  
  Speaker: Karl Otfried Schwab (Germany)  
  11:00 - 11:30

- **Predictive value of albumin creatinine ratio in determining renal, retinal and CVD risk**  
  Speaker: Loredana Marcovecchio (United Kingdom)  
  11:30 - 12:00

- **Quality of life: An often-forgotten treatment target?**  
  Speaker: Barbara J. Anderson (United States)  
  12:00 - 12:30

Symposium
11:00 - 12:30  
Hall Brüssel

**Symposium VI, Challenges and solutions to achieving better control in new units**

**Chairs:**
Chair: Anju Virmani (India)
Chair: Mona Salem (Egypt)

- **Magnitude of the problem- barriers in improving care**  
  Speaker: Bedowra Zabeen (Bangladesh)  
  11:00 - 11:30

- **Type 1 diabetes in Mali: strengthening the health system to improve data gathering**  
  Speaker: Stéphane Besançon (Mali)  
  11:30 - 12:00

- **How to establish sustainability in diabetes care**  
  Speaker: Tushar Godbole (India)  
  12:00 - 12:30

Meetings
12:30 - 14:00  
Room Igls

**Jenious Meeting: Mentorship Session**

Satellite Symposium / Workshop / Round Table
12:45 - 13:45  
Hall Innsbruck

**Satellite Symposium / Industry Session**
Satellite Symposium / Workshop / Round Table
12:45 - 13:45

Satellite Symposium / Industry Session

Meetings
12:45 - 13:45

Dieticians Networking Meeting

Satellite Symposium / Workshop / Round Table
12:45 - 13:45

Practical Workshop

Meet the Expert Session
14:00 - 15:30

Meet the Expert 1, How to manage toddlers and preschoolers with diabetes in different parts of the world

Chairs:
Chair: Birgit Rami-Merhar (Austria)
Chair: Vandana Jain (India)

How to treat toddlers?
Speaker: Frida Sundberg (Sweden)

Predictably unpredictable: managing food, insulin and expectations for toddlers with type 1 diabetes
Speaker: Michelle Raymond (United States)

Oral Session
14:00 - 15:30

Oral Session IV - Diabetes complications

Chairs:
Chair: Kim Donaghue (Australia)
Chair: Beate Karges (Germany)

Diabetic ketoacidosis (DKA) at presentation of childhood-onset type 1 diabetes (T1D) in the Nordic countries in 2010-2014 - data from the Danish (DanaKid), Iceland, Norwegian (NCDR) and Swedish (Sweadiabkids) nationwide, childhood diabetes registries
Speaker: Torild Skrivarhaug (Norway)

Lower rate of ketoacidosis at diabetes onset, fewer hypoglycemic episodes and more frequent use of insulin pumps in T1D patients with a first-degree relative who already had diabetes - a multicenter DPV study
Speaker: Nicole Prinz (Germany)
Scientific Programme

Delayed diagnosis of type 1 diabetes in children - still a significant issue? 14:22 - 14:33
Speaker: Farrah Rodrigues (Australia)

Prevention of diabetic ketoacidosis in Newfoundland and Labrador, Canada: hospitalization rates pre and post a multiphase provincial knowledge translation study 14:33 - 14:44
Speaker: Leigh Anne Allwood-Newhook (Canada)

Impact of puberty and long term glycaemic control from diabetes onset on incidence of simplex and proliferative retinopathy in type 1 diabetes: the VISS-study 14:44 - 14:55
Speaker: Maria Nordwall (Sweden)

Shared decision making (SDM) approach for diabetes retinopathy (DR) screening for youth with type 1 diabetes mellitus (T1DM): feasibility and perceptions 14:55 - 15:06
Speaker: Ingrid Libman (United States)

Preclinical retinopathy in type 1 diabetes: screening in pediatric age 15:06 - 15:17
Speaker: Riccardo Bonfanti (Italy)

Once may be enough: screening eye exams in youth with T1D &LT; 18 years of age 15:17 - 15:28
Speaker: Rose Gubitosi-Klug (United States)

Oral Session
14:00 - 15:30
Hall Brüssel

Oral Session V - Epidemiology

Fr1dolin: Pediatric population screening for type 1 diabetes (T1D) and familial hypercholesterolemia (FH) in Lower Saxony, Germany 14:00 - 14:11
Speaker: Olga Kordonouri (Germany)

Development of islet autoimmunity and type 1 diabetes in twins and siblings 14:11 - 14:22
Speaker: Taylor Triolo (United States)

Improvement of diabetes control in Czech children: data from the National Childhood Diabetes Register ČENDA 14:22 - 14:33
Speaker: Zdenek Sumnik (Czech Republic)

The clinician factor: personality characteristics of clinicians and their impact upon clinical outcomes in the management of children and adolescents with type 1 diabetes 14:33 - 14:44
Speaker: Fergus Cameron (Australia)

The outpatient clinic visit in mind and reality 14:44 - 14:55
Speaker: Gun Forsander (Sweden)

Centre size may influence HbA1c - an international study 14:55 - 15:06
Speaker: Niels Birkebaek (Denmark)
Glycaemic targets how low can you go? An in-depth exploration of clinician beliefs and attitudes to glycaemic target setting  
Speaker: Helen Phelan (Australia)

International benchmarking in type 1 diabetes: HbA1c increases equally with age, independent of HbA1c at younger age  
Speaker: Johan Anderzén (Sweden)

**ePoster Session**
15:45 - 16:45
Dogana Hall

**ePoster Session 11: Technology**

**ePoster Corner 1**

**Chairs:**
Chair: Martin Tauschmann (United Kingdom)

Comparision of estimated HbA1c assessed through Abbott Freestyle Libre Software® and Siemens DCA Vintage® HbA1c in a sample of children and adolescents with type 1 diabetes  
Speaker: Roque Cardona-Hernandez (Spain)

Flash glucose monitoring versus conventional glucose measurements for diabetes control in pediatric population  
Speaker: Katarzyna Dzygalo (Poland)

Flash glucose monitoring system improves glycemic control  
Speaker: Maria Xatzipsalti (Chatzipsalti) (Greece)

The use of insulin pumps with predictive low glucose management (PLGM) facilitates achieving NICE HbA1c target of 6.5% (48 mmol/mol) in prepubertal children  
Speaker: Ragnar Hanas (Sweden)

Insulin infusion pump failure: suggestions to minimize clinical impact. Evidence from a paediatric prospective 1-year study  
Speaker: Ivana Rabbone (Italy)

Using insulin pump with a remote control system in patients with diabetes improves glycemic control and enhances patient satisfaction  
Speaker: Asma Deeb (United Arab Emirates)

Characteristics of the patients regularly uploading blood glucose meters, sensors and insulin pumps using Diasend®  
Speaker: Alessandro Salvatoni (Italy)

Professional continuous glucose monitoring before start of insulin pump therapy  
Speaker: Jessica Ferris (United States)
ePoster Session
15:45 - 16:45 Dogana Hall

**ePoster Session 12: Psychosocial Issues**

**ePoster Corner 2**

**Chairs:**
Chair: Alan Delamater (United States)

- **Food choice and a child eating behaviours associated with metabolic control and weight of children with diabetes type 1 in perception of their parents**
  Speaker: Agnieszka Szypowska (Poland)

- **Improved emotional and behavioural status in morbidly obese adolescents with prediabetes following reversible endoscopic bariatric procedure: duodenal-jejunal bypass liner (DJBL)**
  Speaker: Simona Klemenčič (Slovenia)

- **Disturbed eating behaviours in adolescents with type 1 diabetes: a cross-sectional population-based study in Italy**
  Speaker: Lucia Ferrito (Italy)

- **The impact of T1DM on perceptions of body image: a comparison between adolescents with T1DM and their peers**
  Speaker: Vincent Mc Darby (Ireland)

- **Assessing the utility of the diabetes eating problem survey - revised (DEPs-R) screening in clinical practice in identifying predictors for disordered eating behaviour in adolescents with type 1 diabetes**
  Speaker: Brianna Ryman (Canada)

- **Quality of life and family burden in type 1 diabetes children and adolescents on continuous subcutaneous insulin infusion versus multiple daily injections: a multicenter randomized controlled trial**
  Speaker: Esther Mueller-Godeffroy (Germany)

- **Evaluation of the diabetes stress questionnaire for youths-short form in ethnic minority youth with type 1 diabetes**
  Speaker: Alan Delamater (United States)

- **Integrating the PHQ-2 depression screening tool into the pediatric diabetes clinic**
  Speaker: Colin Hawkes (United States)

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**ePoster Session 13: New Insulins**

**ePoster Corner 3**

**Chairs:**
Chair: Ralph Ziegler (Germany)

- **Anti-insulin antibody (AIA) profiles of insulin glargine 300 U/mL (Gla-300) and insulin glargine 100 U/mL (Gla-100) in people with type 1 diabetes (T1DM): review of EDITION 4 data at 12 months**
  Speaker: Geremia Bolli (Italy)
Scientific Programme

The design and rationale for an ongoing study evaluating the efficacy and safety of insulin glargine 300 U/mL (Gla-300) compared with insulin glargine 100 U/mL (Gla-100) in patients with T1D using continuous glucose monitoring (CGM)
Speaker: Jeremy Pettus (United States)

Efficacy of degludec in control of HbA1c in children with type 1 diabetes
Speaker: Alagusutha Jeyaraman (United Kingdom)

Cost analysis of insulin degludec (IDeg) in comparison with insulin detemir (IDet) in treatment of children and adolescents with type 1 diabetes (T1D) in the UK
Speaker: Nandu Thalange (United Kingdom)

Efficacy of insulin degludec after switching from insulin detemir or glargine in children with type 1 diabetes
Speaker: Ioanna Kosteria (Greece)

Insulin glargine 300 U/mL (Gla-300) provides more even 24-h pharmacokinetic (PK) and pharmacodynamic (PD) profiles vs insulin degludec 100 U/mL (Deg-100) in T1DM
Speaker: Geremia Bolli (Italy)

A 12-week dose-ranging study of sotagliflozin, a dual SGLT1 and SGLT2 inhibitor, as adjunct therapy to insulin in type 1 diabetes, (inTandem4; NCT02459899)
Speaker: Sangeeta Sawhney (United States)

ePoster Session
15:45 - 16:45
Dogana Hall

ePoster Session 14: Diabetes Care
ePoster Corner 4

Chairs:
Chair: Johnny Ludvigsson (Sweden)

The impact of regional deprivation on metabolic control and rates of diabetic ketoacidosis in pediatric patients with type 1 diabetes in Germany - results from the DPV registry
Speaker: Stefanie Lanzinger (Germany)

Clinic non-attendance, glycaemic control and deprivation score in paediatric and young persons' diabetes clinics in Lothian, Scotland
Speaker: Joanna Tait (United Kingdom)

Diabetes control in children and young people with type 1 diabetes requiring interpreter support: the need for appropriate care packages to improve diabetes care
Speaker: Jan Idkowiak (United Kingdom)

The long and short-term concerns about health outcomes of families with children and young people with diabetes - A national survey
Speaker: A Burton (United Kingdom)

Revealing the insulin treatment challenge for females with type 1 diabetes: changes in insulin action in relation to menstrual cycle
Speaker: Eda Cengiz (United States)

Attachment, emotional awareness and metabolic control in children with type 1 diabetes
Speaker: Stefanella Costa Cordella (United Kingdom)
Scientific Programme

Ultrasensitive C-peptide in diabetes type 1 children with long lasting disease, in correlation to clinical features
Speaker: Milena Jamiołkowska (Poland)

Intensive management undertaken by a dedicated specialist nurse & dietitian improves HbA1c in children and young people (CYP) with HbA1c greater than 8.5%/70mmol/mol: a specialist clinic using a target-based, family centred approach
Speaker: Adam Dawes (United Kingdom)

ePoster Session 15: Complications

Ketoacidosis and length of hospitalization at diabetes onset related with distance to treatment center and center size in Germany and Austria
Speaker: Katrin Nagl (Austria)

Inequalities in glycaemic control, hypoglycaemia and diabetic ketoacidosis according to socio-economic status and area-level deprivation in young persons with type 1 diabetes mellitus - a systematic review
Speaker: Lena Maria Elisabeth Lindner (Germany)

Lactobacillus reuteri oral administration improves periodontal disease in children and adolescents with type 1 diabetes
Speaker: Barbara Predieri (Italy)

Serum neopterin level in pediatric patients with type 1 diabetes mellitus: relation to diabetic sensorimotor polyneuropathy and nerve conduction studies
Speaker: Nancy Elbarbary (Egypt)

Higher adiponectin levels in children and adolescents with type 1 diabetes might contribute to lower bone mass observed in those patients, through alterations in osteocalcin circuit energy signaling of bone cells
Speaker: Kyriaki Karavanaki (Greece)

Asymmetric dimethylarginine levels and diabetes duration: relationship with measures of subclinical atherosclerosis and cardiac function in children and adolescents with type 1 diabetes
Speaker: Betul Ersoy (Turkey)

Evaluation of skin advanced glycation end products (sAGE) and of cardiovascular (CV) risk factors in adolescents with type 1 diabetes (T1D) or with severe obesity
Speaker: Stefano Zucchini (Italy)
ePoster Session 16: Type 2 Diabetes

ePoster Corner 6

Chairs:
Chair: Silva Arslanian (United States)

- **Weight loss behaviours and weight-related stress in children: do they predict adiposity over 2 years?**
  Speaker: Soren Harnois-Leblanc (Canada)

- **Risk factors for type 2 diabetes among children with familial obesity: what is the role of breastfeeding?**
  Speaker: Melanie Henderson (Canada)

- **Incidence and prevalence of type 2 diabetes in youths in Germany**
  Speaker: Joachim Rosenbauer (Germany)

- **Accepting the diagnosis: what providers need to know to help adolescents improve diabetes self-management in type 2 diabetes**
  Speaker: Nancy Chang (United States)

- **Youth with type 2 diabetes have hepatic, adipose and peripheral insulin resistance**
  Speaker: Laura Pyle (United States)

- **Type 2 diabetes in children and adolescents: experience in a single Belgian center**
  Speaker: Jesse Vanbesien (Belgium)

- **Youth onset type 2 diabetes: clinical outcomes following routine management**
  Speaker: Leah Zuleika Simpson (United Kingdom)

- **Change in annual incidence of childhood type 2 diabetes detected by urine glucose screening at schools in the Tokyo Metropolitan area during 1975-2015**
  Speaker: Tatsuhiko Urakami (Japan)

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ePoster Session 17: Genetics and associated diseases

ePoster Corner 7

Chairs:
Chair: Maria Craig (Australia)

- **High prevalence of Pre-symptomatic T1D and celiac disease in the general population: the Autoimmunity Screening for Kids (ASK)**
  Speaker: Marian Rewers (United States)

- **Polymorphism c1858t in the protein tyrosine phosphatase non-receptor type 22 in co-occurrence of type 1 diabetes and celiac disease**
  Speaker: Darja Smigoc Schweiger (Slovenia)
Scientific Programme

Analysis of the results of genetic testing for celiac disease in children and adolescents with type 1 diabetes
Speaker: Agnieszka Zubkiewicz-Kucharska (Poland)

A low frequency variant in the SH2B3 gene is associated with the risk of Japanese early adolescent onset type 1 diabetes
Speaker: Tadayuki Ayabe (Japan)

Association between HLA-DRB1 gene and type 1 diabetes with and without autoimmune thyroid disease in children, adolescents and young adults in the Croatian population
Speaker: Natasa Rojnic Putarek (Croatia)

Polymorphisms rs7093069 and rs7647305 on Graves’ disease in comparison with diabetes type 1
Speaker: Artur Bossowski (Poland)

The polymorphism z-2/z-2 of the gene akr1b1 and the prevalence of diabetic neuropathy in children and adolescents with type 1 diabetes mellitus
Speaker: Dimitra Kallinikou (Greece)

Hemoglobin A2 level is associated with thyroid function and interferes with hemoglobin A1c measurements among pediatric patients with type 1 diabetes
Speaker: Anna Baranowska-Jaźwiecka (Poland)

ePoster Session
15:45 - 16:45
Dogana Hall

ePoster Session 18: Monogenetic/Case Reports

Chairs:
Chair: Elisabeth Steichen (Austria)

Obesity and metabolic control in Alström syndrome: 5 year follow-up from national multidisciplinary clinic
Speaker: James Hill (United States)

A novel ALMS 1 mutation in a Turkish patient with Alström syndrome
Speaker: Aysehan Akinci (Turkey)

Characterization of diabetes following near-total pancreatectomy in patients with diffuse congenital hyperinsulinism
Speaker: Alena Welters (Germany)

Neonatal diabetes as a first symptom of IPEX syndrome
Speaker: Agnieszka Brandt (Poland)

Effect of coenzyme Q10 treatment in a case of a young woman with mitochondrial diabetes mellitus
Speaker: Masako Habu (Japan)

Glycaemic control in Wolfram syndrome: 5 year follow-up results from national multidisciplinary clinic
Speaker: Jennifer Anderson (United States)
Scientific Programme

**ePoster Session 19: Education**

**ePoster Corner 9**

**Chairs:**
Chair: Patricia Herold Gallego (Canada)

- **Group education and intensive insulin dose calculation from diagnosis improves HbA1c at 2 years in children with type 1 diabetes**
  Speaker: Karen Ross (United Kingdom)

- **Development of digital video resources for goals of diabetes education: a UK structured education programme**
  Speaker: Fiona Campbell (United Kingdom)

- **Special characteristics of the participants in integrated training for children with type 1 diabetes mellitus (T1DM) aged between 12 and 17 years compared to traditional training**
  Speaker: Dominik Sethe (Germany)

- **An Irish experience implementing a structured education programme for children and young people with diabetes**
  Speaker: Grainne Mallon (Ireland)

- **The highs and lows of diabetes care: assessing knowledge and approach to self-care in youth with type-1 diabetes**
  Speaker: Christopher J Wheeler (Australia)

- **Results of social intervention on glycemic control of underprivileged children with T1D**
  Speaker: Amel Zennaki (Algeria)

- **Exploring health beliefs, barriers and facilitators of diabetes care in Somali Canadian families living in Toronto**
  Speaker: Jill Hamilton (Canada)

- **Diabetes knowledge and glycaemic control in Chilean families of youth with type 1-diabetes: intensive diabetes education and training camp for parents is essential, even more in the context of Chilean regional disparities in diabetes care and education**
  Speaker: Julie Pelicand (Chile)

**ePoster Session 20: Latebreakers Varia II**

**ePoster Corner 10**

**Chairs:**
Chair: Ulrike Schierloh

- **School holidays: are they also a holiday from diabetes control?**
  Speaker: Elspeth Clare Ferguson (United Kingdom)
Scientific Programme

Current recommended carbohydrate intake prior to intermittent high-intensity exercise does not result in unphysiological glycaemic excursions in type 1 diabetes under basal insulin conditions
Speaker: Wayne Soon (Australia)

Food composition of typical meals and snacks available in Haiti and resulting challenges for pediatric diabetes management
Speaker: Julia von Oettingen (Canada)

Adherence to physical activity recommendations and psychosocial well-being in adolescents with type 1 diabetes
Speaker: Ryan McDonough (United States)

Promoting high-quality health communication in adolescents and young adults with type 1 diabetes: Intervention development and feasibility
Speaker: Maureen Monaghan (United States)

Factors affecting adherence towards therapeutic regimen among children with type 1 Diabetes Mellitus
Speaker: Randa Matter (Egypt)

A 1-year long-term study on efficacy and safety of degludec in children and adolescents with type 1 diabetes
Speaker: Lorenzo Iughetti (Italy)

A novel gene for MODY?
Speaker: Stephanie Johnson (Australia)

Posters on Display
15:45 - 16:45
Dogana Hall

Posters on Display Day 2

Death following first presentation of severe hyperglycaemia and acidosis in an obese child

Adherence to guidelines in the treatment of diabetic ketoacidosis in children: a nationwide survey

Diabetic ketoacidosis presenting as acute pancreatitis in a boy treated for growth hormone deficiency

Diagnostic traps at childhood type 1 diabetes onset - clinical lesson from a case report

Neurological complications of diabetic ketoacidosis - report of three cases
Speaker: Anna Świercz (Poland)

Diabetic ketoacidosis in a girl with type 2 diabetes mellitus and metabolic syndrome

Sertraline induced acute pancreatitis in a diabetic adolescent?
Speaker: Ana Luísa Leite (Portugal)

Relationship between chronic pancreatitis and diabetes mellitus: a retrospective analysis of 200 ERCP investigations in diabetic patients

Diabetes related knowledge, attitude and practices of parents attending pediatric diabetes clinic at a tertiary care centre in eastern part of Nepal
Prevalence of tuberculosis in type 1 diabetes mellitus in children and adolescents attending diabetic clinic at National Institute of Child Health: a double burden

Clinical profile and outcome of type 1 diabetes mellitus in tertiary care center of Eastern Nepal

Self monitoring of blood glucose [SMBG] in poverty associated childhood type 1 diabetes: achievement of high quality - accuracy and improved health outcomes possible?

Childhood and youth onset diabetes in India: Profile, challenges, progress and future? [1970s - 2010s]

Autoimmunity and endocrine dysfunction in type 1 diabetes mellitus - redefined in Indian subcontinent

Effect of lifestyle modification in poor socio-economic community with type 1 diabetes

Severe infections and lack of diagnostic and therapeutic tools complicate management of diabetic ketoacidosis in resource-limited settings: a case from Haiti

Reality psychotherapy on type 1 diabetes mellitus children in Indonesia to improve psychopathology and therapeutic adherence. An operational research

Physical growth among children with type 1 diabetes mellitus on conventional and intensive insulin therapy

Intestinal parasitic infections among Egyptian type 1 diabetic children and adolescents; relation to oxidative stress and glycemic control

Syzygium mundagam bark methanol extract curtailed type 2 diabetic conditions in Wistar rats

Risk factors of developing diabetic foot ulcer: a study from Pakistan

Acute life-threatening decompensation in a child with diabetes related to mitochondrial disease - Kearns Sayre syndrome case report of a 13-year-old girl

Clinical and molecular characterization of children with neonatal diabetes mellitus at a tertiary care centre in north India

Anti-diabetic and anti-aging effects of metformin on metabolic and molecular parameters in diabetic aging female rats

Insulin glargine 300 U/mL (Gla-300) vs insulin glargine 100 U/mL (Gla-100) in children and adolescents with type 1 diabetes (T1DM): design and rationale of the EDITION JUNIOR trial

Use of the accu-chek connect system may reduce hypoglycemia fear in parents of type 1 diabetes children/adolescents

Home use of the Flash glucose monitoring system: the patient experience

Safe use of sensor augmented insulin pump therapy in an IUGR baby with permanent neonatal diabetes

13C-isotopic abundances in natural nutrients: a newly formulated test meal for non-invasive diagnosis of type 2 diabetes

Type 1 diabetes mellitus: metabolic control before and after puberty

Type 1 diabetes (T1DM) remission in a cohort of 194 children - evidence supporting the acceleration hypothesis?
Scientific Programme

Variables associated with hypoglycemia events in children attending a type 1 diabetic residential camp in Mauritius
Speaker: Abdullah Dustagheer (Mauritius)

Satellite Symposium / Workshop / Round Table
17:00 - 18:30

Satellite Symposium / Industry Session
17:00 - 18:30 Hall Innsbruck

Welcome and Introduction 17:00 - 17:10
Addressing clinical challenges in transitional care 17:10 - 18:05
Interview-style presentation facilitated by Ragnar Hanas, Sweden 17:10 - 18:05
Panel Q&A, All faculty 18:05 - 18:25
Closing Remarks 18:25 - 18:30

Practical Workshop
Friday, 20 October 2017

Satellite Symposium / Workshop / Round Table
07:45 - 08:45
Room Grenoble

Practical Workshop

Plenary Session
09:00 - 10:30
Hall Tirol

Plenary Session III, Do we need a worldwide diabetes registry?

Chairs:
Chair: Reinhard Holl (Germany)
Chair: David Maahs (United States)

Advantages and pitfalls in interpreting global data 09:00 - 09:30
Speaker: Justin Warner (United Kingdom)

How to build a diabetes registry 09:30 - 10:00
Speaker: Maria Craig (Australia)

Challenges in establishing diabetes registries in developing countries: experience from India 10:00 - 10:30
Speaker: Banshi Saboo (India)

Oral Session
11:00 - 12:30
Hall Tirol

Oral Session VI - Technology

Chairs:
Chair: Thomas Danne (Germany)
Chair: Martin Tauschmann (United Kingdom)

Long-term study of a tubeless insulin pump vs. multiple daily injections in youth with type 1 diabetes: data from the German/Austrian DPV-Registry 11:00 - 11:11
Speaker: Torben Biester (Germany)

Continuous Glucose Monitoring (CGM) and glycemic control among youth with type 1 diabetes (T1D): international comparison from the T1D exchange (T1DX) and the DPV initiative 11:11 - 11:22
Speaker: Mark Clements (United States)

Closed-loop outperforms threshold-low-glucose suspend insulin delivery on glucose control in pre-pubertal outpatients with type 1 diabetes 11:22 - 11:33
Speaker: Nadia Tubiana-Rufi (France)

Optimal predictive low glucose management settings during physical exercise 11:33 - 11:44
Speaker: Valentino Cherubini
Scientific Programme

Day-and-night use of smartguard technology versus open-source hybrid closed-loop OpenAPS in extreme sports conditions
Speaker: Lenka Petruzelkova (Czech Republic)

The Freestyle Flash Glucose Monitoring System has limited effect on the metabolic control of children and adolescents with type 1 diabetes mellitus
Speaker: Guy Massa (Belgium)

Is insulin pump therapy associated with longer-term improvement in behaviour, mood, cognition and glycaemia in children and adolescents with type 1 diabetes?
Speaker: Michele A O'Connell (Australia)

Continuous glucose monitoring in children and young person with diabetes: is it a way forward?
Speaker: J Dias (United Kingdom)

Oral Session
11:00 - 12:30
Hall Innsbruck

Oral Session VII - BMI in type 1 and type 2 diabetes

Chairs:
Chair: Jill Hamilton (Canada)
Chair: Maria Fritsch (Austria)

Trajectories of body mass index over adolescence among individuals with type 1 diabetes from a large German/Austrian/Luxembourg Registry: a longitudinal group-based modeling approach
Speaker: Anke Schwandt (Germany)

The relationship between body mass index standard deviation score, glycemic control and insulin therapy in children with type 1 diabetes in the Nordic countries
Speaker: Niels Birkebaek (Denmark)

BMI-SDS increased only in girls over a 15-year period despite improved HbA1C for both sexes - data from the Swedish Pediatric Diabetes Quality Register SWEDIABKIDS
Speaker: Auste Pundziute Lyckå (Sweden)

Interstitial glucose and lactate levels are inversely correlated with the body mass index: Need for in vivo calibration of glucose sensor results with blood values in obese patients
Speaker: Karl Otfried Schwab (Germany)

Prevalence of insulin resistance at 10 years of age in a cohort of very low birth weight infants
Speaker: Davide Tinti (Italy)

Insulin sensitivity in obese adolescents versus obese adults with prediabetes: who fares worse?
Speaker: Silva Arslanian (United States)
Scientific Programme

Predictors of response to add-on insulin therapy in youth with type 2 diabetes (T2D) in the TODAY trial
Speaker: Fida Bacha (United States)

Insulin resistance, impaired fasting, glucose intolerance and type II diabetes mellitus in overweight and obese children in Abu Dhabi
Speaker: Asma Deeb (United Arab Emirates)

Oral Session
11:00 - 12:30
Hall Brüssel

Oral Session VIII - Immunology/various

Chairs:
Chair: Catarina Limbert (Portugal)
Chair: Thomas Meissner (Germany)

Increased neutrophil infiltration in pancreas of live resent onset type 1 diabetes patients from the DiViD study compared to pre-diabetic and non-diabetic organ donors from nPOD
Speaker: Lars Krogvold (Norway)

Gut bacteriome and virome at the onset of type 1 diabetes: a study from four geographically distant African and Asian countries
Speaker: Ondrej Cinek (Czech Republic)

CIS promotor polymorphism effects on T-cell cytokine receptor signaling and type 1 diabetes susceptibility
Speaker: Julia Seyfarth (Germany)

Can mice reproduce the human gut bacteriome? A lesson from two children representing the extremes of beta cell loss within an intervention trial with gluten-free diet
Speaker: Vít Neuman (Czech Republic)

Identification of a novel KLF11 mutation in siblings with autoantibody-negative type 1 diabetes
Speaker: Kikumi Ushijima (Japan)

Next generation sequencing for the diagnosis of rare forms of monogenic diabetes: a new clinical-molecular approach for accurate diagnosis
Speaker: Stefano Zucchini (Italy)

A cell cycle regulator as a potential therapeutic target for Wolfram syndrome
Speaker: Dewi Astuti (United Kingdom)
Scientific Programme

Meetings
12:30 - 14:00

**Jenious Meeting: Opening to collaborative research proposals**

**Chairs:**
Chair: Carine de Beaufort (Luxembourg)
Chair: Chiara Mameli (Italy)

- **Diabetic eye complications in non-Caucasian youth with diabetes - a multinational study.**
  Speaker: Julia von Oettingen (Canada)
  12:30 - 12:40

- **Genetic Susceptibility to Autoimmune Thyroid Disease in Youth with Type 1 Diabetes: what is predictive?**
  Speaker: Elisa Giani (Italy)
  12:40 - 12:50

- **Red Card to Diabetes in Junior Football Cup**
  Speaker: Elzbieta Niechcial (Poland)
  12:50 - 13:00

- **The Effect of Frequent Continuous Glucose Monitoring Use on Glucose Variability in Preschoolers With Type 1 Diabetes - JENIOUS Study Group**
  Speaker: Klemens Dovc (Slovenia)
  13:00 - 13:10

- **Effect of oral probiotic intake on glycemic control in children with new onset type 1 diabetes mellitus.**
  Speaker: Dinesh Kumar Varma (India)
  13:10 - 13:20

- **INSULIN RESISTANCE IN T1D**
  Speaker: Júlia Galhardo (Portugal)
  13:20 - 13:30

Satellite Symposium / Workshop / Round Table
12:45 - 13:45

**Satellite Symposium / Industry Session**

Meetings
12:45 - 13:45

**IDF Life for a Child Program Update**

Satellite Symposium / Workshop / Round Table
12:45 - 13:45

**Practical Workshop**
Scientific Programme

Symposium
14:00 - 15:30
Hall Tirol

Symposium VII, We are what we eat...

Chairs:
Chair: Jill Hamilton (Canada)
Chair: Maria Fritsch (Austria)

**How can patient organisations influence political actions**
Speaker: Jeff Hitchcock (United States) 14:00 - 14:45

**Political actions in children to prevent adult morbidity**
Speaker: Claude Marcus (Sweden) 14:45 - 15:30

Symposium
14:00 - 15:30
Hall Innsbruck

Symposium VIII, Social media - boon and bane

Chairs:
Chair: Ingrid Libman (United States)
Chair: Jamie Wood

**Brave new diabetes world - merits and dangers of the flood of digital data**
Speaker: Marietta Stadler (United Kingdom) 14:00 - 14:30

**Optimizing mobile technologies in diabetes self-management interventions**
Speaker: Shelagh Mulvaney (United States) 14:30 - 15:00

"Youtuber" and blogger: the new peer group
Speaker: Fredrik Debong (Austria) 15:00 - 15:30

Meet the Expert Session
14:00 - 15:30
Hall Brüssel

Meet the Expert 2, Communication skills in pediatrics

Chairs:
Chair: Elke Fröhlich-Reiterer (Austria)
Chair: Limbert Catharina

**Team work!**
Speaker: Denis Daneman (Canada) 14:00 - 14:30

**The art of conversation: Finding ways to bridge the gap**
Speaker: Deborah Christie (United Kingdom) 14:30 - 15:00
Speaker: Gavin Griffiths (United Kingdom)
Scientific Programme

ePoster Session
15:45 - 16:45
Dogana Hall

ePoster Session 21: Psychosocial Issues

ePoster Corner 1

Chairs:
Chair: Christine Prchla (Austria)

- **Will and Emma Meet the TEDDY Scientists: a book to improve children’s understanding of their genetic risk for type 1 diabetes**
  Speaker: Laura Smith (United States)

- **The association between stressful life events and respiratory infections during the first four years of life: the environmental determinants of diabetes in the young (TEDDY) study**
  Speaker: Roswith Roth (Austria)

- **“Target is the new low”: parental hypoglycemia fear and young child glycemic control in T1D**
  Speaker: Amy Noser (United States)

- **The Flexible Lifestyle Empowering Change (FLEX) intervention for self-management in adolescents with type 1 diabetes: trial design and baseline characteristics**
  Speaker: Elizabeth Mayer-Davis (United States)

- **Dissemination of NICH: an innovative program for children with diabetes and psychosocial complexity**
  Speaker: Michael Harris (United States)

- **Parents’ perspectives on negotiating responsibility for type 1 diabetes self-management with their adolescent children**
  Speaker: Caroline Rawdon (Ireland)

- **Neurocognitive deficits in children and adolescents with type 1 diabetes mellitus - a pilot study**
  Speaker: Daniela Seick Barbarini (Austria)

- **School performance before and after type 1 diabetes onset in 622 elementary and middle school children from Chile: longitudinal follow up**
  Speaker: Rossana Roman (Chile)

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ePoster Session
15:45 - 16:45
Dogana Hall

ePoster Session 22: Complications DKA

ePoster Corner 2

Chairs:
Chair: Sara Bachmann

- **Changes of lactate levels in children with diabetic ketoacidosis and newly diagnosed type 1 diabetes mellitus**
  Speaker: Kinga Jenei (Hungary)
Agreement of capillary β-hydroxybutyrate and serum β-hydroxybutyrate measurement in the management of pediatric diabetic ketoacidosis: a prospective cohort study
Speaker: Praveen Kurup (India)

Antibody positivity after biopsy-proven celiac disease diagnosis in type 1 diabetes
Speaker: Katrin Nagl (Austria)

Successful intravenous insulin infusion therapy in pediatric patients with type 1 diabetes during intercurrent illness and surgery according to protocol of Leipzig
Speaker: Alena Gerlinde Thiele (Germany)

Contacts with health care services for diabetes-related symptoms before admission for DKA among pediatric patients in Sweden. A two-year national survey
Speaker: Johan Henrik Wersäll (Sweden)

Biochemical characteristics of diabetic ketoacidosis in Japanese type 1 diabetes treated with insulin analogues
Speaker: Junichi Suzuki (Japan)

Alterations in platelet morphology in children with new onset type 1 diabetes mellitus (T1DM)
Speaker: Dinesh Kumar Varma (India)

Predictors of type 1 diabetes mellitus (1DM) acute complications on pediatric age
Speaker: Joana Serra-Caetano (Portugal)

ePoster Session
15:45 - 16:45
Dogana Hall

ePoster Session 23: Diabetes Care

ePoster Corner 3

Chair: Henk Veeze (Netherlands)

Knowledge concerning diabetes among students of the final year of medicine in Poland
Speaker: Agnieszka Szadkowska (Poland)

Carbohydrate recognition and counting ability in pediatric residents
Speaker: Carla Zanatta Minutti (United States)

Estimation of glycemic control in the past month using the ratio of glycated albumin to hemoglobin A1c
Speaker: Ikuma Musha (Japan)

Factors associated with preservation of C-peptide levels at type 1 diabetes recognition
Speaker: Agnieszka Szypowska (Poland)

Vitamin D deficiency as a risk factor for development of post transplant diabetes mellitus
Speaker: Mayur Patil (India)

Role of carnosine as an adjuvant therapy for diabetic nephropathy in children and adolescents with type 1 diabetes: relation to oxidative stress, renal functional integrity and glycemic control
Speaker: Nancy Samir Elbarbary (Egypt)
Scientific Programme

**Progressive reduction in corneal nerve fiber length over two years measured by corneal confocal microscopy in children with type 1 diabetes**
Speaker: Heidi Virtanen (Canada)

**Audit on annual nephropathy screening in children with diabetes**
Speaker: Pei Kwee Lim (Singapore)

ePoster Session
15:45 - 16:45
Dogana Hall

**ePoster Session 24: BMI**

**ePoster Corner 4**

**Chairs:**
Chair: Linda de Meglio

**Overweight adolescents: a group at risk for metabolic syndrome (Tehran adolescent obesity study)**
Speaker: Heshmat Moayeri (Iran, Islamic Republic of)

**Indices of carbohydrate exchange in adolescents with obesity**
Speaker: Dmitry Latyshev (Russian Federation)

**Body composition in girls between 12-15 years of age, with type 1 diabetes**
Speaker: Kristian Jeppesen (Denmark)

**Relevant weight loss and improved metabolic status in morbidly obese adolescents with prediabetes following endoscopic and totally reversible bariatric procedure - duodenal-jejunal bypass liner**
Speaker: Primoz Kotnik (Slovenia)

**Optimizing lipid screening for T1DM patients in diabetes clinic**
Speaker: Manmohan Kamboj (United States)

**Dyslipidemia in children with type 2 diabetes in Singapore**
Speaker: Yin Shuen Tan (Singapore)

**Adipokine profiles can distinguish metabolically healthy versus unhealthy obese children: results from the Beijing Child and Adolescent Metabolic Syndrome Study**
Speaker: Steven Willi (United States)

ePoster Session
15:45 - 16:45
Dogana Hall

**ePoster Session 25: Monogenetic diabetes**

**ePoster Corner 5**

**Chairs:**
Chair: Gun Forsander (Sweden)
Scientific Programme

Application of whole exome sequencing in the search of causative genes for Taiwanese patients with rare monogenic diabetes associated with ciliopathy
Speaker: Meng-Che Tsai (Taiwan, Republic of China)

High frequency of monogenic forms in gestational diabetes were demonstrated by targeted next-generation sequencing
Speaker: Natalia Zubkova (Russian Federation)

European Reference Network on Rare Endocrine Conditions (Endo-ERN): mapping children and young people with rare diabetes in Europe
Speaker: Timothy Barrett (United Kingdom)

High frequency of obesity in MODY-HNF1A children
Speaker: Lyubov Zilberman (Russian Federation)

Newly described mutation in the HNF4A-gene (MODY1) as a cause for diabetes
Speaker: Nicolin Datz (Germany)

Monogenic diabetes in Pakistani infants and children: challenges in a resource poor country
Speaker: Mohsina Ibrahim (Pakistan)

Glucose tolerance abnormalities and related factors in pediatric subjects with cystic fibrosis aged 6-9 years
Speaker: Larisa Suárez-Ortega (Spain)

Study of glucose intolerance disorders in a cohort of patients with cystic fibrosis in Reunion Island
Speaker: Marie Hoarau (France)

ePoster Session
15:45 - 16:45
Dogana Hall

ePoster Session 26: School Issues

Schooling diabetes: a survey of type 1 diabetes (T1D) exchange participants describing the care provided to youth with T1D in the school setting
Speaker: Jennifer Sherr (United States)

Where and How do type 1 diabetes children manage the insulin therapy at their school?
Speaker: Tomoyuki Kawamura (Japan)

‘GlucaGen HypoKit in children with diabetes’- is it accessible to all parents/carers and all schools? A survey
Speaker: Usha Parkash (United Kingdom)

Parental perspectives on type 1 diabetes management in Australian schools - illegal and immoral?
Speaker: Peter W Goss (Australia)
Scientific Programme

Multidisciplinary collaboration and training on a diabetes and endocrine team with psychology graduate students
Speaker: Sevket Yigit (United States)

Diabetes goes wild at the zoo. High school transition event
Speaker: Caitriona Aine Tulloch (United Kingdom)

Perspectives of older adolescents with type 1 diabetes (T1D) on self-care responsibilities: patterns across racial/ethnic groups
Speaker: Barbara J. Anderson (United States)

ePoster Session
15:45 - 16:45
Dogana Hall

ePoster Session 27: Developing countries

Chairs:
Chair: Banshi Saboo (India)

Triglyceride to HDL-C ratio levels in indigenous Argentinean children living at different altitudes
Speaker: Valeria Hirschler (Argentina)

Dyslipidemia and diabetic kidney disease [DKD] in poverty associated childhood diabetes in India: prevalence correlates and challenges
Speaker: Kadle Chethana (India)

Activity of lipoprotein-associated enzymes in Argentinean indigenous children living at different altitudes
Speaker: Valeria Hirschler (Argentina)

Alterations in platelet indices with duration of disease and glycemic control in children with type 1 diabetes mellitus (T1DM)
Speaker: Gummadi Vybhav Venkatesh (India)

“La vida normal”: adapting to type 1 diabetes for Bolivian youth in a context of supply scarcity and stigma
Speaker: Katherine Janine Souris (United States)

Where are the missing children? Development and implications of improved type 1 diabetes prevalence estimates in less-resourced countries
Speaker: Graham David Ogle (Australia)

Comparison of blood glucose levels in caesarean and vaginally delivered newborns at Lagos University Teaching Hospital, Nigeria
Speaker: Elizabeth Ajayi (Nigeria)
ePoster Session 28: Diabetes Care

Chairs:
Chair: Zdenek Sumnik (Czech Republic)

The association between treatment, age at onset and metabolic control and childhood height standard deviation score in children with type 1 diabetes
Speaker: Jannet Svensson (Denmark)

Diabetes-related hospital admission rates before and after the start of continuous subcutaneous insulin infusion therapy for type 1 diabetes
Speaker: Trina C Evans-Cheung (United Kingdom)

Effect of discontinuing continuous subcutaneous insulin infusion therapy on HbA1c for type 1 diabetes
Speaker: Trina C Evans-Cheung (United Kingdom)

Factors influencing discontinuation of continuous subcutaneous insulin infusion (CSII), in children with type 1 diabetes: a population based cohort study
Speaker: Tracey Conlon (Ireland)

Skin complications in Danish paediatric patients using insulin pump or glucose sensor
Speaker: Anna Korsgaard Berg (Denmark)

Post-market follow-up survey of pediatric continuous glucose monitoring system users
Speaker: Claudia Graham (United States)

Glucose profiles in continuous glucose monitoring in children fed by PEG
Speaker: Agnieszka Brandt (Poland)

The rates of overweight (OWT) and obesity (OB) are higher in children with type 1 diabetes (T1D) than the general population
Speaker: Alexandra Marlow (Australia)

A qualitative assessment of weight management in youth with type 1 diabetes
Speaker: Elizabeth Mayer-Davis (United States)

Meal and snacking frequency and carbohydrate intake in children and adolescents with type 1 diabetes differ from those in their peers and are associated with glycemic control
Speaker: Christina Bächle (Germany)

Metformin therapy in T1D adolescents with insulin resistance
Speaker: Júlia Galhardo (Portugal)
Scientific Programme

**Carotid artery intima-media thickness (cIMT) in young type 1 diabetic patients in relation to comorbid additional autoimmune diseases and microvascular complications**
Speaker: Barbara Glowinska-Olszewska (Poland)

**Non-invasive measurements of central blood pressure as a predicative value of arterial stiffness in children with type 1 diabetes**
Speaker: Artur Bossowski (Poland)

**Endothelial progenitor cells in type 1 diabetes mellitus: relation to metabolic control and vascular complications**
Speaker: Abeer Abdelmaksoud (Egypt)

**Assessment of corrected QT interval (QTc) in children with type 1 diabetes mellitus**
Speaker: Shaymaa Elsayed (Egypt)

**ePoster Session**
15:45 - 16:45
Dogana Hall

**ePoster Session 30: Latebreakers III Varia**

**Chairs:**
Chair: Carine de Beaufort (Luxembourg)

- **The incidence of diabetic ketoacidosis among existing pediatric patients with diabetes in Sweden is still higher among insulin pump users**
  Speaker: Johan Henrik Wersäll (Sweden)

- **A novel technique for visualizing blood supply of the posterior eye and retina**
  Speaker: Ankur Chopra

- **An assessment of oxidized low density lipoprotein, anti-oxLDL antibodies and lipoprotein-associated phospholipase A2 and their association with cardiometabolic markers in obese adolescents with and without type 1 diabetes**
  Speaker: Mohamed Hesham El Hefnawy (Egypt)

- **Increasing incidence of type 1 diabetes in Sweden but decreasing awareness**
  Speaker: Johnny Ludvigsson (Sweden)

- **Pediatric type 1 diabetes mellitus incidence rate and anthropogenic metals in the environment**
  Speaker: Inbal Halabi (Israel)

- **Correlation between hemoglobin A1c and average blood glucose in Haitian children and adolescents with diabetes mellitus**
  Speaker: Charlotte Schömig (Germany)

- **Reduced AMP-activated protein kinase in obese children and adolescents and its association with insulin resistance**
  Speaker: Mitra Nourbakhsh (Iran, Islamic Republic of)

- **Association of metabolic control with the distribution of abdominal fat in adolescents with type 2 diabetes**
  Speaker: Jose Antonio Orozco Morales (Mexico)
**Scientific Programme**

Posters on Display
15:45 - 16:45
Dogana Hall

**Posters on Display Day 3**

- Correlation of vitamin D levels with echocardiographic parameters of left ventricle in children and adolescents with diabetes mellitus type 1
- Neutrophil Gelatinase-Associated Lipocalin (NGAL) as an early sign of diabetic kidney injury in adolescents
- Lipid profiles in type 1 diabetic children
- Glycaemic control and diabetic complications in Waikato youth and emerging adults with type 1 diabetes
- Comparative study of various risk factors in type 2 diabetes mellitus with and without retinopathy
- Influences of ApoE genotypes and clinical characteristics on lipid profiles in children, adolescents and young adults with type 1 diabetes
- Early markers of anemia among children with type 1 diabetes (T1DM)
- A 5-yr follow up study for the detection of diabetic peripheral neuropathy in children and adolescents with type 1 diabetes mellitus
- IC-Health project: improving digital health literacy in Europe and among children and adolescents with type 1 diabetes
- Innovative education for a non-English speaking, illiterate and innumerate, family to successfully achieve comparable diabetes related outcomes to literate and numerate peers
- Medication induced diabetes: improving care and follow up in the pediatric patient
- Diabetes mellitus and juvenile dermatomyositis unusual association
- The relationship between diabetes type 1 and celiac disease
- The efficacy of vitamin D supplementation on the improvement of serum 25-hydroxyvitamin D3 status and HbA1c levels in pediatric patients with type 1 diabetes mellitus
- Rare case of combination of various autoimmune endocrine and non-endocrine diseases with Periodic fever syndrome in yearly childhood
- A rare case of granuloma annulare in 11yr old with type 1 diabetes mellitus
- Subcutaneous granuloma annulare in a child - a marker of type i diabetes mellitus?
- Difficulties in the treatment of diabetes and dyslipidemia in patient with Seip-Berardinelli syndrome
- Audit of care for children with type 2 diabetes mellitus in our service
  Speaker: Nilanjana Ray (United Kingdom)
- Anti-diabetic effect of Trigonella foenum greacum seed acetone fraction in a type 2 diabetes model of rats
- Pharmaceutical and biopharmaceutical evaluation of extracts from different plant parts of indigenous origin for their hypoglycemic responses in rats
- Body Mass Index (BMI) in pediatric patients with type I diabetes mellitus (T1DM)
Scientific Programme

Familial autoimmunity in children with type 1 diabetes mellitus (T1DM) and its associations with pancreatic and associated autoimmunity

Case study of two siblings with type 1 diabetes mellitus, vitamin B12 deficiency and Friedreich Ataxia in Sri Lanka

Role of breastfeeding in prevention of type 1 diabetes in Pakistan

The residual insulin secretion and disease duration in type 1 diabetes patients

Vitamin D deficiency and type 1 diabetes in low socio-economic group patients: A preliminary report from South India

Childhood type 1 diabetes registry in Tlemcen

A rare musculoskeletal joint complication in children with type 1 diabetes

Insulin prescribers' perspective profile

Continuous subcutaneous insulin infusion ("Insulin Pump") in pediatric patients with Type 1 Diabetes: Experience in a Chilean state hospital

Insulin resistance and impaired glucose metabolism in 6 to 16-year-old Obese and overweight children and adolescents in Qazvin Iran in 2011-2014

Metabolic endotoxemia in Egyptian obese children and adolescents

Serum zinc level and its relation to insulin resistance and lipid profile in childhood and adolescent obesity

Thyroid function in children at initial diagnosis of type 1 diabetes

A case of pyoderma gangrenosum and type 1 diabetes mellitus

Case of diabetes with immunedysregulation due to LRBA mutation

Meetings
17:00 - 18:00
Hall Brüssel

ISPAD Annual General Meeting

For ISPAD members only
Scientific Programme

Saturday, 21 October 2017

Plenary Session
08:00 - 09:30

Plenary Session IV, Looking for a needle in a haystack

Chairs:
Chair: Carine de Beaufort (Luxembourg)
Chair: Raimund Weitgasser (Austria)

TRIGR - what did we learn?
Speaker: Mikael Knip (Finland) 08:00 - 08:30

Biobanks: what is the haystack and how can we get the right samples?
Speaker: Fay Betsou (Luxembourg) 08:30 - 09:00

INNODIA - what do we aim for and how to find the needle
Speaker: David Dunger (United Kingdom) 09:00 - 09:30

Symposium
09:45 - 11:15

Symposium IX, Which targets should we aim for? Debate on HbA1c

Chairs:
Chair: Olga Kordonouri (Germany)
Chair: Ragnar Hanas (Sweden)

Diabetes management over the past decades: what has changed?
Speaker: Beate Karges (Germany) 09:45 - 10:15

A1c Targets < 7.5% CON
Speaker: Lori Laffel (United States) 10:15 - 10:45

Debate: which targets should we aim for - pro HbA < 7.5%
Speaker: Jerry Wales (Australia) 10:45 - 11:15

Symposium
09:45 - 11:15

Symposium X, Reproductive health counselling in diabetes

Chairs:
Chair: Ethel Codner (Chile)
Chair: Ingrid Schütz-Fuhrmann (Austria)

Preconception counseling in youth with diabetes
Speaker: Denise Charron-Prochownik (United States) 09:45 - 10:15

Diabetes therapy in teenage pregnancy
Speaker: Helen Murphy (United Kingdom) 10:15 - 10:45
Scientific Programme

Neonatal and long term outcome of offspring to mothers with type 1 diabetes
Speaker: Elisabeth Mathiesen (Denmark)

Meet the Expert Session
09:45 - 11:15
Hall Brüssel

Meet the Expert 3, Type 2 Diabetes in Youth

Chairs:
Chair: Neil White (United States)
Chair: Luis Eduardo Calliari (Brazil)

How to distinguish between type 1 and type 2 diabetes in youth
Speaker: Philip Zeitler (United States)

Nutrition and pharmacologic treatment in type 2 diabetes
Speaker: Hala Tfayli (Lebanon)

Plenary Session
11:45 - 13:15
Hall Tirol

Plenary Session V, Closing the Loop

Chairs:
Chair: Jill Weissberg-Benchell (United States)
Chair: Thomas Danne (Germany)

Closing the loop: where are we so far?
Speaker: Roman Hovorka (United Kingdom)

Moving AP systems into the clinic and improving diabetes outcomes
Speaker: Aaron Kowalski (United States)

Closing the loop: How to cope with data overload
Speaker: Katharine Barnard (United Kingdom)

Opening & Closing Sessions
13:15 - 14:00
Hall Tirol

Closing Ceremony