Scientific Programme

Wednesday, 30 October 2019

Opening & Closing Sessions
08:00 - 09:00
Grand Ballroom

President's Welcome Opening Lecture

Chairs:
Chair: Kim Donaghue (Australia)
Chair: Lori Laffel (United States)
Chair: Joseph Wolfsdorf (United States)

ISPAD's Challenges: Increasing rates of T1D, increasing treatment options yet ongoing needs

Plenary Session
09:00 - 10:30
Grand Ballroom

Plenary Session I, Beta Cells: Past, Present, and Future

Chairs:
Chair: Lori Laffel (United States)

Lessons Learned from NPod: A New Understanding of Type 1 Diabetes 09:00 - 09:45
Speaker: Mark Atkinson (United States)

Creating Beta Cells for the Future Starting Today 09:45 - 10:30
Speaker: Doug Melton

Industry Exhibition
10:15 - 19:15
Back Bay

Exhibition

Symposium
11:00 - 12:30
Grand Ballroom

Education Symposium - Implementing Technologies & Overcoming Barriers to Use

Chairs:
Chair: Diana Naranjo (United States)

Implementing Automated Insulin Delivery 11:00 - 11:30
Speaker: Laurel H Messer (United States)

Family Education: A Cornerstone to Success 11:30 - 12:00
Speaker: Bärbel Aschemeier (Germany)

Overcoming Barriers to Technology Uptake and Durable Use 12:00 - 12:30
Speaker: Korey Hood (United States)
Scientific Programme

Symposium
11:00 - 12:30   Constitution Ballroom

Clinical Science Symposium: Current Thinking about Microvascular Complications

Chairs:
Chair: Farid Mahmud (Canada)
Chair: Dorothy J Becker (United States)

Predicting, Preventing & Treating Renal Complications in Youth 11:00 - 11:30
Speaker: Petter Bjornstad (United States)

Predicting, Preventing & Treating Eye Complications in Youth 11:30 - 12:00
Speaker: Jenny Sun (United States)

Diagnosis and Management of Autonomic Neuropathy 12:00 - 12:30
Speaker: Yoon Hi Cho (Australia)

Oral Session
11:00 - 12:30   Republic Ballroom

Oral Session I, Epidemiology, Genetics, Immunology and the Environment: T1D and T2D

Chairs:
Chair: Reinhard Holl (Germany)

Degree of β-cell impairment and its translation to clinically meaningful alterations in glycemia in obese youth from normal glucose tolerance (NGT) to prediabetes to type 2 diabetes (T2D) 11:00 - 11:11
Abstract Presenter: Joon Young Kim (United States)

State of the art metabolomics enables early detection, risk stratification and personalized follow-up in patients at increased risk for type 2 diabetes: study in 11896 young adults 11:11 - 11:22
Abstract Presenter: Gergana Gateva (Finland)

Size for gestational age affects the risk of type 1 diabetes in children and adolescents: a Swedish national case-control study 11:22 - 11:33
Abstract Presenter: Nina Lindell (Sweden)

The appearance, dynamics, and natural fate of diabetes-associated autoantibodies in children with increased HLA-conferred disease susceptibility to type 1 diabetes: a 15-year follow-up 11:33 - 11:44
Abstract Presenter: Petra Maria Pöllänen (Finland)

Low 25-hydroxyvitamin D is associated with increased risk of type 1 diabetes, younger age of onset and more severe presentation 11:44 - 11:55
Abstract Presenter: Kate Miller (Australia)

Association of prodromal type 1 diabetes with school absenteeism: a population-based case-control study 11:55 - 12:06
Abstract Presenter: Peter Thingholm (Denmark)

25 years of changing characteristics at diagnosis of type 1 diabetes (T1D) in children younger than 6 years 12:06 - 12:17
Abstract Presenter: Maryanne Quinn (United States)
Supporting teen problem-solving (STePS) intervention: reducing distress, preventing depression, and stabilizing glycemic control three years later
Abstract Presenter: Jill Weissberg-Benchell (United States)

Satellite Symposium / Workshop / Round Table
12:45 - 14:15
Constitution Ballroom

Satellite Symposium

Meeting
13:15 - 14:15
Room Hampton

Nurses Special Interest Group meeting

Poster Tour
14:30 - 15:30
Posters

Poster Tour 2 - Psychosocial Issues, Education, Nutrition, and Exercise

The sweet spot: moderate caregiver anxiety is associated with better glycemic control in youth with type 1 diabetes mellitus in Beirut, Lebanon
Abstract Presenter: Camilia Kamoun (United States)

Assessing eating disorders risk in youths with and without type 1 diabetes
Abstract Presenter: Raquel Cecilia-Costa (Spain)

Randomized controlled trial of an online coping intervention developed by and for parents of very young children with type 1 diabetes
Abstract Presenter: Jessica Pierce (United States)

A stepwise approach to psychosocial risk screening in children with type 1 diabetes in Ireland
Abstract Presenter: Elena Hennessy (Ireland)

The Getting Ready for Transition (GReaT) intervention programme: an evaluation of a family based multi-disciplinary intervention to support children with type 1 diabetes and their parents in the transition to secondary school in a UK tertiary paediatric diabetes service
Abstract Presenter: Halina Flannery (United Kingdom)

Access to psychological support and the psychological needs of young people with diabetes: a parent survey
Abstract Presenter: Michael J Cornish (United Kingdom)
**Scientific Programme**

**A qualitative study investigating solution focus brief therapy in improving delivery of diabetes care by healthcare professionals**
Abstract Presenter: Sze May Ng (United Kingdom)

**The complexity of care and support in families with type 1 diabetes: Pre-teen and family perspectives on everyday life with diabetes and the transition from childhood to adolescence**
Abstract Presenter: Regitze Anne Saurbrey Pals (Denmark)

**Healthcare providers understanding of the psychosocial needs and experience of young children newly diagnosed with diabetes**
Abstract Presenter: Patricia DeCosta (Denmark)

**Identity and autonomy in pre-teenagers with T1D: balancing family involvement in the transition from childhood to adolescence**
Abstract Presenter: Dan Grabowski (Denmark)

**Poster Tour**
14:30 - 15:30

**Poster Tour 3 - Psychosocial Issues, Education, Nutrition, and Exercise**

**An exploratory study of how young people experience and perceive living with Type 1 diabetes during late adolescence and emerging adulthood**
Abstract Presenter: Marianne Vie Ingersgaard (Denmark)

**The influence of psychosocial factors on the risk of eating disorders (ED) in youths with type 1 diabetes (T1D)**
Abstract Presenter: Raquel Cecilia-Costa (Spain)

**Stigma and discrimination as barriers for adolescent transition in type 1 diabetes (T1D) care**
Abstract Presenter: Joseph Leung (Canada)

**Occupational consequences and psychosocial burden among parents after diagnosis of type 1 diabetes (T1D) in their child: results of the German AMBA study**
Abstract Presenter: Karin Lange (Germany)

**Moderators of externalizing behavior in youth with type 1 diabetes (T1D)**
Abstract Presenter: Alexandra Monzon (United States)

**Converging themes on how to culturally adapt a validated preconception counseling (PC) program for adolescents with diabetes (DM) from three diverse groups: healthcare provider (HCP) perspective**
Abstract Presenter: Denise Charron-Prochownik (United States)

**Prevalence of obesity and prediabetes in adolescents and young adults in urban Ahmedabad**
Abstract Presenter: Vipul Chavda (India)

**Exploratory study: learning perception from children and adolescents with DM1 attending to an educational camp for the first time**
Abstract Presenter: Fernanda Nuñez (Chile)
Scientific Programme

Evaluation of community-based education for dietetic students attending and assisting at a camp for children with diabetes
Abstract Presenter: Ute Monika Hallbauer (South Africa)

Assessment of school teachers' knowledge and competences on type 1 diabetes management
Abstract Presenter: Maddalena Macedoni (Italy)

Poster Tour
14:30 - 15:30

Poster Tour 7 - Diabetes Epidemiology, Genetics, Immunology, and the Environment

Chairs:
Chair: Valentino Cherubini (Italy)

The association between socioeconomic status and severity of diabetic ketoacidosis at onset of type 1 diabetes
Abstract Presenter: Sando Ojukwu (United States)

Type 2 diabetes in children in Kuwait: results from the Childhood-Onset Diabetes eRegistry (CODeR)
Abstract Presenter: Hessa Al Kandari (Kuwait)

Is low sun exposure during early life a risk factor for type 1 diabetes?
Abstract Presenter: Kate Miller (Australia)

Epidemiology and remission phase of type 1 diabetes mellitus in infants and toddlers
Abstract Presenter: Kristina Podolakova (Slovakia)

Real-world self-management behavior and glycemic status of pediatric and adolescent with diabetes
Abstract Presenter: Tong Sheng (United States)

Month of birth and risk of developing type 1 diabetes among children in the Swedish national diabetes cohort, the BDD-study
Abstract Presenter: Emma Hedlund (Sweden)

Well-being among Danish schoolchildren with and without type 1 diabetes: a population-based cohort study
Abstract Presenter: Niels Skipper (Denmark)

Incidence, clinical and biochemical features of type 1 diabetes in children and adolescents in the Republic of Maldives
Abstract Presenter: Cecile Eigenmann (Australia)

Recent loss of winter dominance in the incidence of T1D in children. Analysis of a register of 2252 cases recorded since 1973
Abstract Presenter: Amel zennaki (Algeria)

Regional differences in glycemic control, hypoglycemia and disease management in adults with T1D: the SAGE study
Abstract Presenter: Jochen Seufert (Germany)
Scientific Programme

Poster Tour
14:30 - 15:30

Poster Tour 1 - Diabetes Acute and Chronic Complications

Chairs:
Chair: Declan Cody (Ireland)

- **Study of characteristics of children with diabetic ketoacidosis admitted to Intensive care unit in Alexandria University Children's Hospital**
  Abstract Presenter: Shaymaa Elsayed (Egypt)

- **Are we administering adequate fluids to children and young people in diabetic ketoacidosis (DKA)? An audit of management of DKA at the Children's Hospital for Wales**
  Abstract Presenter: Prasad Adavappa Parvathamma (United Kingdom)

- **Conversation and Reactions Around Severe Hypoglycemia (CRASH Study): pediatric caregiver results**
  Abstract Presenter: Nan Zhang (United States)

- **Utility of plasma ß-hydroxybutyrate for predicting diabetic ketoacidosis in the pediatric emergency department**
  Abstract Presenter: Elise Tremblay (United States)

- **Study of frequency and risk factors for Cerebral edema in 256 children with diabetic ketoacidosis**
  Abstract Presenter: Natasha Yaneva (Bulgaria)

- **Glycemic variability identified with continuous glucose monitoring (CGM) relates to hypoglycemia time ≤LT; 70 mg/dL (3.9 mM) in children and adolescents with type 1 diabetes (T1D)**
  Abstract Presenter: Liane J. Tinsley (United States)

- **Impaired hypoglycemia awareness in children and adolescents with type 1 diabetes**
  Abstract Presenter: Anissa Messaaoui (Belgium)

- **Safety and efficacy of subcutaneous insulin for treatment of diabetic ketoacidosis in children - a systematic review**
  Abstract Presenter: Noémie Pothier (Canada)

- **A single-center study of initial clinical presentations affected by type 1 diabetes in Japan: severe DKA that was caused by delayed diagnosis, but was difficult to detect at the first visit**
  Abstract Presenter: Kouji Tagawa (Japan)

- **First description of LADY with DKA and in a male adolescent**
  Abstract Presenter: Gianluca Tornese (Italy)

Poster Tour
14:30 - 15:30

Poster Tour 4 - Diabetes Care and New Therapeutics

Chairs:
Chair: Ethel Codner (Chile)
Scientific Programme

Body composition and metabolic control in young women with type 1 diabetes (T1D) using long-acting reversible contraception (LARC) and combined oral contraceptive (COC)
Abstract Presenter: Franco Giraudo (Chile)

Glucose-independent racial disparity in HbA1c is present at onset of type 1 diabetes (T1D)
Abstract Presenter: Aqeel Alaqeel (United States)

Improved quality in diabetes care for children and adolescents with type 1 diabetes (T1D) in Norway. Data from the Norwegian Childhood Diabetes Registry (NCDR)
Abstract Presenter: Torild Skrivarhaug (Norway)

Medication adherence during adjunct therapy with statins and ACE inhibitors in adolescents with type 1 diabetes
Abstract Presenter: Elzbieta Niechcial (Poland)

Is effective transitional care worth investment in diabetes care?
Abstract Presenter: Alok Gupta (United Kingdom)

T1D glycaemic control and complications in Caucasian and non-Caucasian youth
Abstract Presenter: Júlia Galhardo (Portugal)

Pubertal self-assessment as a replacement for physical examination in adolescents with type 1 diabetes
Abstract Presenter: Ryan McDonough (United States)

Characteristics and outcomes of youth referred to a Diabetes Transition Program (DTP): need to continue to optimize support
Abstract Presenter: Ingrid Libman (United States)

When childcare isn’t sweet: challenges for very young children with type 1 diabetes
Abstract Presenter: Anastasia Albanese-O’Neill (United States)

HbA1c trajectories from time of diagnosis in youth with T1D
Abstract Presenter: Jennifer Sherr (United States)

Poster Tour
14:30 - 15:30

Poster Tour 5 - Diabetes Care and New Therapeutics

Glucose management indicator is individually assessed by the hemoglobin glycation phenotype using the ratio of glycated albumin to HbA1c
Abstract Presenter: Ikuma Musha (Japan)

Improving the transition to adult care for adolescents with type 1 diabetes: effect of transition readiness, self-efficacy and diabetes distress on glycemic control during transition
Abstract Presenter: Faisal Alwadiy (Canada)

National quality indicators and surveillance of staffing levels in paediatric diabetes care: a regional UK audit 2010-2018
Abstract Presenter: Sze May Ng (United Kingdom)

Improving outcomes in type 1 diabetes: quality improvement [QI] the Sheffield Children’s Hospital, UK experience
Abstract Presenter: Carrie A MacKenzie (United Kingdom)
Scientific Programme

Gluten-free diet in children with recent onset type 1 diabetes: a 12 months intervention trial
Abstract Presenter: Vit Neuman (Czech Republic)

Efficacy, effectiveness, and tolerability of nasal glucagon in treating hypoglycemia in children and adolescents with Type 1 Diabetes
Abstract Presenter: Christopher Child (United States)

To participate in an improvement collaborative in a neighboring country - excellent results in metabolic control of pediatric type 1 diabetic patients
Abstract Presenter: Mari-Anne Pulkkinen (Finland)

Assessment of efficacy of elective hospital admissions for stabilisation of glycaemic control in children and adolescents with type 1 diabetes mellitus
Abstract Presenter: Gabby Atlas (Australia)

Glucose response curve (GRC) shapes in mixed meal tolerance tests (MMTTs) and prediction of response to intervention in the trialNet new-onset clinical trials
Abstract Presenter: Nourah Almutlaq (United States)

Insulin degludec is safe and effective in children with new-onset type 1 diabetes
Abstract Presenter: Nandu Thalange (United Arab Emirates)

Poster Tour
14:30 - 15:30

Poster Tour 6 - Telemedicine & Digital Support, Pumps & CGM, and Automated Insulin Delivery

Flash Glucose Monitoring technology in the management of children and adolescents with type 1 diabetes leads to improved glycemic control
Abstract Presenter: Ioannis-Anargyros Vasilakis (Greece)

A comparison between treatment with continuous insulin infusion and multiple daily injections in children and adolescents with type 1 diabetes in Sweden: data from the Swedish national quality register SWEDIABKIDS
Abstract Presenter: Anna-Lena Fureman (Sweden)

Flash glucose monitoring: lower sensor usage in children with poorer diabetes control
Abstract Presenter: Anissa Messaouaui (Belgium)

Successful use of continuous glucose monitoring to titrate an intravenous insulin infusion
Abstract Presenter: Kara Mikler (Australia)

Young children with type 1 diabetes (T1D) use continuous glucose monitors on a near daily basis
Abstract Presenter: Michelle Vanname (United States)

The use of insulin pumps and continuous glucose monitoring: does it make a difference? Data from the Norwegian Childhood Diabetes Registry
Abstract Presenter: Heiko Bratke (Norway)

Improvement in hypoglycemia outcomes in pediatric population using predictive low-glucose suspend (PLGS): basal-IQ system real-world data
Abstract Presenter: Jodie M. Ambrosino (United States)
Scientific Programme

Predictors of successful use of continuous glucose monitors in pediatric patients with type 1 diabetes
Abstract Presenter: Maura Sheehan (United States)

Publicly insured youth continue to use CGM up to 2 years following CGM initiation
Abstract Presenter: Priya Prahalad (United States)

Bolus and basal rate accuracy of two recently released insulin pumps
Abstract Presenter: Ralph Ziegler (Germany)

Poster Tour
14:30 - 15:30

Poster Tour 8 - Childhood Obesity & Type 2 Diabetes, Associated Diseases, and Other Forms of Diabetes

Bone turnover markers during the remission phase in children and adolescents with recent onset type 1 diabetes
Abstract Presenter: Jens Otto Broby Madsen (Denmark)

Prevalence and predictive factors for celiac disease in children after type 1 diabetes diagnose
Abstract Presenter: Marie Lindgren (Sweden)

Decreased bone turnover favoring bone resorption in children and adolescents with Type 1 diabetes after the remission phase
Abstract Presenter: Jens Otto Broby Madsen (Denmark)

The impact of celiac disease on clinical course in children with type 1 diabetes
Abstract Presenter: Anna Walldorf (Sweden)

Assessment of pyridoxial 5'- phosphate (PLP) in children newly diagnosed with type 1 diabetes mellitus
Abstract Presenter: Basma Ali (Egypt)

Type 1 Diabetes and epilepsy in childhood and adolescence: Do Glutamatic Acid Decarboxylase autoantibodies play a role? Data from the German/Austrian/Swiss and Luxembourgian DPV Registry
Abstract Presenter: Gideon John de Sousa (Germany)

Monogenic causes and associations of diabetes in a cohort of diabetic children: single center experience
Abstract Presenter: Ilknur Arslanoglu (Turkey)

Characteristics of monogenic diabetes registers within the ENDO-ERN network
Abstract Presenter: Stepanka Pruhova (Czech Republic)

Clinical and genetic characteristics of permanent neonatal diabetes mellitus in Beirut, Lebanon
Abstract Presenter: Hala Tfayli (Lebanon)

Prevalence of Maturity Onset Diabetes of the Young (MODY) among people with diabetes attending a tertiary care centre
Abstract Presenter: Moomin Hussain Bhat (India)
Posters on Display
14:30 - 15:30

Posters on Display

A qualitative study of schools that support students with type 1 diabetes
Abstract Presenter: Leanne Fried (Australia)

Motivational interview to improve metabolic control in adolescents with poorly controlled type 1 diabetes: A randomized controlled trial
Abstract Presenter: Mari-Anne Pulkkinen (Finland)

Quality of life related to health according to the perception of children between 8 and 12 years old with type 1 diabetes and their parents in a public hospital in Córdoba, Argentina
Abstract Presenter: Maria Laura Macias (Argentina)

Mind the gap [Psychological Bridge in DM1]
Abstract Presenter: Ankit Khanna (United Kingdom)

Carbohydrate counting: evaluation of knowledge and practices in a group of patients with continuous insulin infuser
Abstract Presenter: Maria Clara Gabras (Argentina)

A global partnership approach to delivering education on the management of type 1 diabetes in childhood in Botswana
Abstract Presenter: Kate Wilson (United Kingdom)

Antidiabetic potential of polyherbal mixtures on diabetes experimental animals
Abstract Presenter: Dharmendra Khatri (India)

ESPE e-learning in pediatric endocrinology and diabetes
Abstract Presenter: Sze May Ng (United Kingdom)

Person-centred education to female adolescents with type 1 diabetes
Abstract Presenter: Anna Lena Brorsson (Sweden)

Comparative analysis between the expected and actual nutrients content of blenderized-formulated tube feeds administered in Lagos University Teaching Hospital, Lagos, Nigeria
Abstract Presenter: Joseph Odolomarun Akuirene (Nigeria)

The inhibitory effect of Surya Namaskar yoga therapy with Aloe-Vera juice on the increase in postprandial blood glucose in type 2 diabetic patients in west Delhi metro population
Abstract Presenter: Pardeep Kumar (India)

Altitude hiking in non-experienced people with type 1 diabetes: importance of CGM, prior preparations and insulin adjustments to minimize the risk of hypoglycaemia
Abstract Presenter: Daniela Rojas Jiménez (Costa Rica)

Independent determinants of urinary albumin excretion and confounding variables in diabetic patient
Abstract Presenter: Neupane sunita (Nepal)

Young adult responses to the CANDID survey: health outcomes of childhood diabetes diagnosed 1990-2009
Abstract Presenter: Alison Pryke (Australia)

A study of +49 CTLA 4 genetic polymorphism in type 1 diabetes of gujarat population of India
Abstract Presenter: Vishakha Chavda (India)
Scientific Programme

Antiviral treatment of newly diagnosed children and adolescents with type 1 diabetes. The DiViD Intervention trial
Abstract Presenter: Ida Maria Mynarek (Norway)

Successful treatment outcome of invasive mucormycosis in diabetes children by conventional antifungal therapy in resource constraint situation
Abstract Presenter: Jaida Manzoor (Pakistan)

Association of body fat percentage by bioelectric impedance analysis with diabetic ketoacidosis in Kashmiri patients with type 1 diabetes
Abstract Presenter: Ovais Ahmad Peerzada (India)

An unusual case of an exclusively vegan child with diabetic ‘ketoacidosis’
Abstract Presenter: Sotiris Konstantakopoulos (Greece)

Bilateral cataract as the first feature of type 1 diabetes in a 12 year old girl: a case report
Abstract Presenter: Petra Konecna (Czech Republic)

Amputation in a Ghanaian teenager with type 1 diabetes mellitus: a case report
Abstract Presenter: Emmanuel Ameyaw (Ghana)

Is menarche in type 1 diabetes still delayed?
Abstract Presenter: Naoko Nishikawa (Japan)

Optimal endocrinology and psychology care across the first seven years of type 1 diabetes diagnosis: a retrospective study of electronic health record data
Abstract Presenter: Julia Price (United States)

Keeping the ship on course: assessing a transition program model
Abstract Presenter: Gina Marino (United States)

Audit of glycemic control in patients with type 1 diabetes referred to a pediatric clinic in a specialized center in Kuwait
Abstract Presenter: Hessa Al Kandari (Kuwait)

Usage and usefulness of insulin pumps for pediatric patients with type 1 diabetes in the real world
Abstract Presenter: Hiroki Sobajima (Japan)

Type 1 adolescents and young adults: what are we doing and how to improve? Experience at Mexico City
Abstract Presenter: Carlos Antillon (Mexico)

Parental anxiety about hypoglycemia of children and adolescents with type 1 diabetes mellitus (T1DM) and the associated factors
Abstract Presenter: Kyriaki Karavanaki (Greece)

Uptake of flash glucose sensor technology within a specialist paediatric diabetes service
Abstract Presenter: Heather Thom (United Kingdom)

Quality improvement: coordination of pediatric diabetes care and education through the creation of a pediatric diabetes council
Abstract Presenter: Steven Ghanny (United States)

Comparison of basal insulin in adolescents with type 1 diabetes during a school camp. The GLiDE Study
Abstract Presenter: Davide Tinti (Italy)
To evaluate the efficacy and safety of the IDegAspart in type 1 diabetic patients
Abstract Presenter: Rutul Gokalani (India)

Clinical trial of the use of sitagliptin in pediatric patients with T2D: baseline characteristics
Abstract Presenter: Muhammad Yazid Jalaludin (Malaysia)

The immediate and medium-term prognosis of newborns of diabetic mothers at EHS Nouar Fadéla. Preliminary findings; Oran, Algeria
Abstract Presenter: Djamila Bouabida (Algeria)

Experience and challenges in managing type 1 diabetes at low resource setting - children and youth
Abstract Presenter: Jyoti Agrawal (Nepal)

Interactive online education is comparable to in-person training to teach insulin adjustment skills in a low-resource setting: a pilot study with non-communicable disease providers in Rwanda
Abstract Presenter: Simon Pierre Niyonsenga (Rwanda)

Morbidity and mortality of newborns born to from mothers with or without diabetes at EHS "Nouar Fadela" in Oran Algeria
Abstract Presenter: Djamila Bouabida (Algeria)

Partial clinical remission in newly diagnosed children with type 1 DM seen at the Lagos University Teaching Hospital, South Western Nigeria: a retrospective preliminary report
Abstract Presenter: Elizabeth Oyenusi (Nigeria)

Acute complications in children with type 1 diabetes mellitus attending Alexandria University Children’s Hospital
Abstract Presenter: Dina Fawzy (Egypt)

Instructional therapeutic play (ITP): a play-based self-care intervention to educate children with type 1 diabetes (T1D) in developing countries
Abstract Presenter: Rebecca Ortiz La Banca (United States)

Metabolic profile worsens in indigenous children at very high altitudes
Abstract Presenter: Valeria Hirschler (Argentina)

Identification of novel variants in genes associated with neonatal diabetes in a Brazilian cohort
Abstract Presenter: Milena Gurgel Teles (Brazil)

Evaluation of near me video consultation for the paediatric diabetes clinic in Highland, Scotland
Abstract Presenter: Louise Ferguson (United Kingdom)

Does commencing on an insulin pump improve glycaemic control in paediatric patients?
Abstract Presenter: Nuthana Prathivadi Bhayankaram (United Kingdom)

Evaluation of the quality of life and patient satisfaction using external insulin pump therapy Medtronic 640G vs Minimed Veo in people living with type 1 diabetes: an Indian scenario
Abstract Presenter: Apoorva Gomber (India)

Are glucose monitoring systems beneficial in a real-world environment?
Abstract Presenter: Sonya Fraser (New Zealand)
Continuous glucose monitoring / flash glucose monitoring in type 1 DM. Local unit experience at Glan Clwyd Hospital, Wales
Abstract Presenter: Shailendra Singh Rajput (United Kingdom)

HbA1c progression and risk factor analysis in youth with type 2 diabetes
Abstract Presenter: Lily C. Chao (United States)

Type 2 diabetes clinic improves quality of life, patient satisfaction and BMI
Abstract Presenter: Nancy Chang (United States)

Insulin resistance in children and adolescents infected with helicobacter pylori
Abstract Presenter: Omneya Magdy Omar (Egypt)

The influence of glycemic control on the menstrual disturbances in patients diagnosed with type 1 diabetes before menarche
Abstract Presenter: Rishi Shukla (India)

The frequency of celiac disease in patients with type 1 diabetes - assessment of the 7-year observational study
Abstract Presenter: Artur Groszek (Poland)

Prevalence of overweight and obesity among children with type 1 diabetes treated with a continuous subcutaneous insulin infusion and its clinical impact on diabetic control
Abstract Presenter: Magdalena Dymińska (Poland)

Screening for complications and associated conditions in children with type 1 diabetes mellitus in the Netherlands: big differences in a small country
Abstract Presenter: Rosaline Mentink (Netherlands)

Wolcott Rallison in two families in Alexandria University Children’s Hospital: same gene, different variants
Abstract Presenter: Yasmine Abdelmeguid (Egypt)

A case of double diabetes in a child presenting with conditions of both diabetic ketoacidosis and hyperglycemic hyperosmolar syndrome
Abstract Presenter: Kenichi Miyako (Japan)

High insulin requirements in a lean female with type 1 diabetes
Abstract Presenter: Melissa Crocker (United States)

An unusual cause of diabetes found in a consanguineous family from kurdistan: H syndrome caused by a pathogenic variant in the SLC29A3 gene
Abstract Presenter: Shenali Anne Amaratunga (Czech Republic)

Late Breaking Posters on Display only

Use of text messaging to enhance BG monitoring and self-care in teens with type 1 diabetes: teens’ perceptions predict outcomes
Abstract Presenter: Emily Serata (United States)

Screening for diabetes distress among adolescents with diabetes: a better predictor for poor glycemic control
Abstract Presenter: K.M. Hong (United States)
Scientific Programme

Development of comorbid autoimmune diseases in children with type 1 diabetes
Abstract Presenter: Katherine Bigelow (United States)

Open hybrid closed loop insulin delivery systems in children and adults with type 1 diabetes - Polish experience
Abstract Presenter: Agnieszka Szypowska (Poland)

Endothelial and heart dysfunction in children and adolescents with type 1 diabetes
Abstract Presenter: Barbara Predieri (Italy)

Health care transition in youth with poorly controlled type 1 diabetes (T1D): qualitative analysis of pre-transition perspectives
Abstract Presenter: Elise Schlissel Tremblay (United States)

Continuous glucose monitoring and continuous insulin infusion via pump decrease diabetes related distress (DRD) and depression screening score in adolescents with type 1 diabetes
Abstract Presenter: Sunil Sinha (United States)

Role of pediatric diabetes team in providing safe fasting for type 1 diabetes during ramadan: Kuwait experience
Abstract Presenter: Fahed Al Jaser (Kuwait)

The impact of type 1 diabetes on daily life: insights from caregivers of minors with type 1 diabetes
Abstract Presenter: Jeoffrey Bispham (United States)

Directed differentiation of human intestinal organoids into the enteroendocrine lineage and insulin-expressing cells via small molecules
Abstract Presenter: Daniel Zeve (United States)

Neonatal diabetes caused by RFX6 mutations: barriers to follow-up management
Abstract Presenter: Carol Passone (Brazil)

Epidemiology and clinical characteristics of Cystic Fibrosis Related Diabetes in pediatric patients treated at a single institution
Abstract Presenter: Patricio Romero (Chile)

User experience of flash glucose monitoring: a survey among Singaporean children with diabetes

Symposium
15:45 - 17:15

Grand Ballroom

Clinical Science Symposium: SGLT Inhibitors - Do they have a role in Pediatric Diabetes Care?

Chairs:
Chair: Thomas Danne (Germany)

SGLTI’s: Mechanisms of Action and Potential for Use (T1D/T2D)
Speaker: Bruce Perkins (Canada)

Clinical Studies & Practical Use in Type 1 Diabetes
Speaker: Chantal Mathieu (Belgium)
Scientific Programme

**Benefits & Risks: What is the balance?**
Speaker: Simeon Taylor (United States)  
16:45 - 17:15

Symposium
15:45 - 17:15  
Constitution Ballroom

**Clinical Symposium - Going Beyond Routine Care**

**Chairs:**
Chair: Katharine Garvey (United States)

**Beyond Carbohydrates for Insulin Management: Protein and Fat**
Speaker: Olga Kordonouri (Germany)  
15:45 - 16:15

**Implementing Remote Care Visits: Supporting Transition**
Speaker: Jennifer Raymond (United States)  
16:15 - 16:45

**Opportunities using Apps, Virtual Visits & More**  
16:45 - 17:15

Oral Session
15:45 - 17:15  
Republic Ballroom

**Oral Session II, Acute and Chronic Complications and Associated Diseases**

**Chairs:**
Chair: Asma Deeb (United Arab Emirates)  
Chair: Thomas Kapellen (Germany)

**Hypoglycemia leaves a persistent metabolomic fingerprint in children with type 1 diabetes**
Abstract Presenter: Beata Malachowska (Poland)  
15:45 - 15:56

**Nasal versus injected glucagon: User experience results of a simulated severe hypoglycemia study**
Abstract Presenter: Gregg Gerety (United States)  
15:56 - 16:07

**Longitudinal determinants of cardiovascular risk in Australian and New Zealand youth with type 1 diabetes: the ADDN study**
Abstract Presenter: Jenny Couper (Australia)  
16:07 - 16:18

**Angiotensin converting enzyme inhibitor (ACEi) and statin combination therapy reduces risk of 3-step retinopathy progression in youth with type 1 diabetes (T1D) in the adolescent cardio-renal protection intervention trial (AdDIT) - a post-hoc analysis based on diabetes duration**
Abstract Presenter: Paul Z Benitez-Aguirre (Australia)  
16:18 - 16:29

**A comprehensive diabetes complications screening (DCAS) program: outcomes in a 20 year incident cohort**
Abstract Presenter: Janine Cusumano (Australia)  
16:29 - 16:40

**Subclinical diabetic neuropathy and early endothelial dysfunction in youth with type 1 diabetes**
Abstract Presenter: Elisa Giani (Italy)  
16:40 - 16:51
Scientific Programme

**Narrow extended zone retinal calibre is associated with peripheral neuropathy in adolescents with type 1 diabetes**  
Abstract Presenter: Vallimayil Velayutham (Australia)  

**Association between childhood type 1 diabetes and bone mass and structure**  
Abstract Presenter: Komal Ashokbhai Vora (Australia)

Evening Event  
17:30 - 18:30  
**Grand Ballroom**

**Opening Ceremony**

Evening Event  
18:30 - 19:30  
**Back Bay**

**Welcome Reception**
Thursday, 31 October 2019

Plenary Session
09:00 - 10:30
Grand Ballroom

Plenary Session II, It’s Not just About A1c

Chairs:
Chair: Carine de Beaufort (Luxembourg)
Chair: Alan Delamater (United States)

Glycemic Outcomes Beyond A1c 09:00 - 09:45
Speaker: Roy Beck (United States)

Outcomes Beyond Glycemic Control 09:45 - 10:30
Speaker: Barbara J. Anderson (United States)

Industry Exhibition
10:15 - 16:15
Back Bay

Symposium
11:00 - 12:30
Grand Ballroom

Exercise Symposium: How & Why Exercise Matters

The Science of Exercise: From Cells to Humans 11:00 - 11:30
Speaker: Laurie Goodyear (United States)

Exercise Physiology in Trained and Untrained Athletes 11:30 - 12:00
Speaker: Michael Riddell (Canada)

Clinical Applications of Exercise in Pediatric Type 1 Diabetes 12:00 - 12:30
Speaker: Elizabeth Davis (Australia)

Symposium
11:00 - 12:30
Constitution Ballroom

Clinical Science Symposium: CVD Risk - An Often Overlooked Pediatric Concern - ESPE Symposium

Chairs:
Chair: Ingrid Libman (United States)

Insulin Resistance in Type 1 Diabetes 11:00 - 11:30
Speaker: Kristen Nadeau (United States)
Scientific Programme

Updates from AdDIT  
Speaker: Loredana Marcovecchio (United Kingdom)  
11:30 - 12:00

Pediatric CVD Risk: Missed Opportunities and Clinical Inertia  
Speaker: Michelle Katz (United States)  
12:00 - 12:30

Oral Session  
11:00 - 12:30  
Republic Ballroom

Oral Session III, Pumps, CGM and Automated insulin delivery  
Chair: Eda Cengiz (United States)  
Chair: Andrea Scaramuzza (Italy)

Acceptability and effectiveness of a predictive hypoglycemia alert in children and adolescents  
Abstract Presenter: Andrew Scott Parker (United States)  
11:00 - 11:11

Continuous glucose monitoring alerts for existing or impending hypoglycemia among children and adolescents  
Abstract Presenter: Andrew Scott Parker (United States)  
11:11 - 11:22

Successful CGM initiation early in the course of T1D results in persistence of use  
Abstract Presenter: Priya Prahalad (United States)  
11:22 - 11:33

Effect of fat on post prandial glucose excursions in young children while using a hybrid closed-loop system  
Abstract Presenter: Laya Ekhlaspour (United States)  
11:33 - 11:44

Closed-loop insulin therapy in free-life shows better glucose control when used 24/7 versus overnight only in pre-pubertal children with type 1 diabetes: interim analysis of the Free-life Kid AP Study  
Abstract Presenter: Elise Bismuth (France)  
11:44 - 11:55

Safety and performance of the omnipod hybrid closed-loop system in young children aged 2-6 years with Type 1 diabetes  
Abstract Presenter: Bruce Buckingham (United States)  
11:55 - 12:06

Pediatric real-world and pivotal trial glycemic outcomes during MiniMed™ 670G system use  
Abstract Presenter: Robert Vigersky (United States)  
12:06 - 12:17

Technology is more than the device: sustainable improvement of glycaemic control in type 1 diabetes through data-driven eHealth including patient-HCP contacts  
Abstract Presenter: Dick Mul (Netherlands)  
12:17 - 12:28

Satellite Symposium / Workshop / Round Table  
12:45 - 14:15  
Republic Ballroom

Satellite Symposium
Scientific Programme

Satellite Symposium / Workshop / Round Table
12:45 - 14:15
Fairfax

Industry Workshop

Meetings
13:15 - 14:15
Room Beacon B

Psycologists Special Interest Group Meeting

Poster Tour
14:30 - 15:30
Posters

Poster Tour 10 - Psychosocial Issues, Education, Nutrition, and Exercise

The degree of fathers’ involvement in taking care of their children with diabetes and its implications in family functioning in the assessment of diabetic’s mothers
Abstract Presenter: Monika Zamarlik (Poland)

Longitudinal associations between medical provider autonomy support and regimen adherence in adolescents with type 1 diabetes
Abstract Presenter: Alan Delamater (United States)

Innovative strategies in adolescent research: using a clinic-based research registry and internet platform to assess risky behavior in a national sample of older adolescents with type 1 diabetes.
Abstract Presenter: Rachel Wasserman (United States)

Long-term associations between parental depression and diabetes distress in the two years following child-onset of type 1 diabetes (T1D)
Abstract Presenter: Shideh Majidi (United States)

Regional differences in glycemic control and psychosocial/patient-reported outcomes (PROs) in adults (26-44 years) with type 1 diabetes (T1DM): the SAGE study
Abstract Presenter: Felipe Lauand (France)

Fear of hypoglycemia impacts quality of life in adolescents with type 1 diabetes
Abstract Presenter: Talia Hitt (United States)

Disturbed eating behaviors in youth with type 1 diabetes during the transition to adulthood: A one-year prospective study
Abstract Presenter: Eveline Goethals (Belgium)

Resilience reinforces the protective impact of family functioning on diabetes distress in youth with type 1 diabetes
Abstract Presenter: Dan Luo (China)

Mindfulness meditation as a modality to improve the glycemic care and quality of life in patients with type 1 diabetes (T1DM)
Abstract Presenter: Rishi Shukla (India)

Executive dysfunction in teens with type 1 diabetes (T1D) negatively impacts quality of life
Abstract Presenter: Eveline Goethals (Belgium)
Scientific Programme

Poster Tour
14:30 - 15:30

Poster Tour 11 - Psychosocial Issues, Education, Nutrition, and Exercise

DEAPP (diabetes education application) a structured education program for newly diagnosed children type 1 diabetes
Abstract Presenter: Sarah Lockwood-Lee (United Kingdom)

Interventions delivered by Certified Child Life Specialists (CCLS) to provide education and support for youth with type 1 diabetes (T1D) in an ambulatory setting
Abstract Presenter: Rebecca Ortiz La Banca (United States)

Experiential learning in T1D technology education: knowledge of parents and providers
Abstract Presenter: Brynn E Marks (United States)

Personalized training for the school personnel of each child is more effective than general information conference for the management of children with T1D in the school
Abstract Presenter: Monica Marino (Italy)

Social deprivation is an important determinant towards the practice of routinely downloading blood glucose data at home for families and children with Type 1 Diabetes
Abstract Presenter: Sze May Ng (United Kingdom)

Parent perceptions of the content and timing of education and resources during the recent-onset period of type 1 diabetes
Abstract Presenter: Susana Patton (United States)

A Shared Decision Making (SDM) approach to engage youth with type 1 diabetes (T1D) in Cardiovascular Disease (CVD) prevention
Abstract Presenter: Jodi Krall (United States)

A qualitative analysis of providers' experiences wearing CGM
Abstract Presenter: Brynn E Marks (United States)

Challenges in the inpatient education of new onset type 1 DM patients: Can tablet technology be the answer?
Abstract Presenter: Steven Ghanny (United States)

Practical approach to using trend arrows on rt-CGM system in a camp setting of adolescents living with type 1 diabetes on either MDI or CSII insulin therapy
Abstract Presenter: Marta Bassi (Italy)

Poster Tour
14:30 - 15:30

Poster Tour 15 - Diabetes Epidemiology, Genetics, Immunology, and the Environment

A multi-disciplinary quality improvement (QI) innovation: improving early diagnosis of type 1 diabetes in children and young people (CYP) in the primary care setting in Cardiff & Vale University Health Board
Abstract Presenter: Ambika Shetty (United Kingdom)

In a large unscreened cohort of children with type 1 diabetes, β-cell autoantibody positivity is a weak predictor of 5 year metabolic outcome: a report from the DPV Registry
Abstract Presenter: Daniele Pacaud (Canada)
Scientific Programme

**Age-, period- and cohort modelling of type 1 diabetes incidence in Europe among children age 0-15 years**
Abstract Presenter: Jannet Svensson (Denmark)

**Distribution and frequency of HLA Class II alleles and haplotypes in Libyan children with type 1 diabetes mellitus**
Abstract Presenter: Millad Ghawil (Libyan Arab Jamahiriya)

**Review of autoantibody status and titre as predictors of disease progression in type 1 diabetes mellitus (T1DM) in the first 12 months after diagnosis**
Abstract Presenter: Julie Park (United Kingdom)

**The frequency of celiac associated haplotypes in Polish patients with type 1 diabetes**
Abstract Presenter: Artur Groszek (Poland)

**Serum trypsinogen and lipase as biomarkers of exocrine pancreatic function in newly diagnosed type 1 diabetic children and adolescents**
Abstract Presenter: Rasha Eladawy (Egypt)

**The contribution of natural killer cells in children with type 1 diabetes mellitus**
Abstract Presenter: Iwona Ben-Skowronek (Poland)

**A study of serum betatrophin levels in children with type 1 diabetes mellitus**
Abstract Presenter: Basma Ali (Egypt)

**The prevalence of type 1 diabetes autoantibodies among patients with 18q del syndrome**
Abstract Presenter: Anna Hogendorf (Poland)

**Poster Tour 9 - Diabetes Acute and Chronic Complications**

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

**The homozygous status of polymorphism Z-2/Z-2 of aldose reductase gene (AKR1B1) in the polyol pathway increases the prevalence of autonomic and peripheral neuropathy in children and adolescents with type 1 diabetes mellitus (T1D)**
Abstract Presenter: Kyriaki Karavanaki (Greece)

**The relationship of sclerostin levels with diabetes duration and bone mineral density in adolescents with type 1 diabetes**
Abstract Presenter: Betul Ersoy (Turkey)

**The obesity paradox: retinopathy in youth with T2D in the TODAY study**
Abstract Presenter: Lynne L. Levitsky (United States)

**Do the years with type 1 diabetes before puberty matter for development of microvascular complications?**
Abstract Presenter: Anandakumar Amutha (India)

**The value of serum cystatin C versus creatinine as a biomarker for diabetic nephropathy in young type 1 diabetes patients**
Abstract Presenter: Ingrida Stankute (Lithuania)
scientific programme

P100 latency of visual evoked potentials in children with type 1 diabetes mellitus
Abstract Presenter: Nur rochmah (Indonesia)

Changed body composition and affected bone parameters in young women with Type 1 Diabetes
Abstract Presenter: Daniel Novak (Sweden)

CHiC- D - Cardiovascular Health in Children with type 1 Diabetes - early detection, cardiovascular prevention and treatment monitoring
Abstract Presenter: Ebba Bergdahl (Sweden)

Impact of obesity on markers of cardiovascular function in youth with type 1 diabetes as compared to youth with type 2 diabetes
Abstract Presenter: Kalie L. Tommerdahl (United States)

Assessment of platelet morphology in children with type 1 diabetes mellitus (T1D)
Abstract Presenter: Basma Ali (Egypt)

Poster tour
14:30 - 15:30

Poster tour 12 - diabetes care and new therapeutics

Chairs:
Chair: Przemyslawa Jarosz-Chobot (Poland)

Estimating HbA1c from average blood glucose - accuracy of estimates based on paediatric clinic data
Abstract Presenter: Vicky Alexander (United Kingdom)

Optical coherence tomography and C-peptide short-term follow-up in a child with Wolfram´s syndrome treated with Liraglutide
Abstract Presenter: Giulio Frontino (Italy)

Driving improvements in diabetes care delivery through the national paediatric diabetes audit - experience from a UK children's hospital
Abstract Presenter: Mark Deakin (United Kingdom)

Differences in glycemic control and disease management by age and region in adults with type 1 diabetes (T1DM): the SAGE study
Abstract Presenter: Felipe Lauand (France)

Improved average HbA1c and increased proportion of patients with HbA1c ≤LT; 58 mmol/mol after 18 months of structured and focused work with simple and affordable tools in a multidisciplinary diabetes team in Oslo, Norway. Experiences from a quality improvement project
Abstract Presenter: Anne Karin Måløy (Norway)

Three-variate trajectories of metabolic control, body mass index, and insulin dose: heterogeneous response to initiation of pump therapy in type 1 diabetes youth
Abstract Presenter: Anke Schwandt (Germany)

The use of alternative and complementary medicine in children with type 1 diabetes mellitus
Abstract Presenter: Nevena Krnic (Croatia)
Scientific Programme

Quality or quantity? Findings from the national paediatric diabetes audit (NPDA) workforce survey show increased staff numbers are not associated with unit level improvements in glycaemic outcomes in England and Wales
Abstract Presenter: Francesca Annan (United Kingdom)

Associations between goal setting behavior and changes in HbA1c among youth with type 1 diabetes in the flexible lifestyle empowering change (FLEX) Intervention
Abstract Presenter: Angelica Cristello (United States)

The PolPedDiab HbA1c study: the results of the first national survey among children with type 1 diabetes in Poland
Abstract Presenter: Agnieszka Szadkowska (Poland)

Poster Tour 13 - Diabetes Care and New Therapeutics

Different alterations in glomerular filtration rate detected by cystatin C in children and adolescents with type 1 diabetes or obesity
Abstract Presenter: María Pía Santucci (Argentina)

Use of metformin as adjunct therapy in children and adolescents with poorly controlled type 1 diabetes and high insulin requirements. A 52-week randomized placebo-controlled clinical trial
Abstract Presenter: Roque Cardona-Hernandez (Spain)

Sotagliflozin (SOTA) reduces glucose variability and risk for hyperglycemia in adults with type 1 diabetes
Abstract Presenter: Boris P Kovatchev (United States)

Sotagliflozin (SOTA) reduces markers of arterial stiffness in type 1 diabetes (T1D): pooled analysis from inTandem1 and inTandem2 clinical trials
Abstract Presenter: Helena W Rodbard (United States)

Sotagliflozin (SOTA), a dual sodium glucose cotransporter (SGLT)1 and SGLT2 inhibitor, in overweight/obese patients with type 1 diabetes (T1D): addressing unmet needs as adjunct therapy to insulin
Abstract Presenter: Thomas Danne (Germany)

Lower risk for severe hypoglycemia with Gla-300 vs. Gla-100 in patients with type 1 diabetes: a meta-analysis of 6-month phase 3 clinical trials
Abstract Presenter: Christian Sussebach (Germany)

Quality assurance of insulin vials using NMR (Nuclear Magnetic Resonance) spectroscopy
Abstract Presenter: B. Göran Karlsson (Sweden)

The diabetes drug metformin reverses cognitive impairment and attenuates insulin receptor in diabetic aging female rat brain: a link with diabetes and Alzheimer’s disease
Abstract Presenter: Pardeep Kumar (India)
Scientific Programme

Sotagliflozin (SOTA) leads to lower rates of clinically relevant hypoglycemic events at any HbA1c level at week 52 in adults with type 1 diabetes (T1D)
Abstract Presenter: Thomas Danne (Germany)

Insulin Glargine 300 U/mL (Gla-300) provides effective glycemic control in youths with type 1 diabetes (T1D): the EDITION JUNIOR study
Abstract Presenter: Elisabeth Niemoeller (Germany)

Poster Tour
14:30 - 15:30

Poster Tour 14 - Telemedicine & Digital Support, Pumps & CGM, and Automated Insulin Delivery

Chairs:
Chair: Klemen Dovc (Slovenia)

Bacterial strains colonizing the sensor electrodes of continuous glucose monitoring system in children with diabetes
Abstract Presenter: Przemyslawa Jarosz-Chobot (Poland)

Using trend arrow-protocol in adolescents with type 1 diabetes in continuous glucose monitoring minimizes the risk of hypoglycemia during a sport-school camp
Abstract Presenter: Davide Tinti (Italy)

Glycemic variability assessment with continuous glucose monitoring systems demonstrates seasonal patterns in pediatric patients with type 1 diabetes mellitus
Abstract Presenter: Jedrzej Chrzanowski (Poland)

Continuous subcutaneous insulin infusion (CSII) versus multiple-daily injections (MDI) in youths with type 1 diabetes mellitus: a systematic review and meta-analysis of the literature with an equity lens
Abstract Presenter: Tiago Jeronimo Dos Santos (Spain)

Continuous glucose monitoring in teens and young adults (CITY) improves glycemic control: primary results from a multi-center randomized clinical trial (RCT)
Abstract Presenter: Kellee Miller (United States)

Impact on glycaemic outcomes of funding continuous glucose monitoring for youth in Australia
Abstract Presenter: T W Jones (Australia)

Lipoatrophy in children, adolescents and adults with insulin pump (CSII) treatment: is there a beneficial effect of insulin glulisine?
Abstract Presenter: Olga Kordonouri (Germany)

Disparities in diabetes technology use and HbA1c in pediatric type 1 diabetes: a transatlantic comparison
Abstract Presenter: Ananta Addala* (United States)

Accuracy of glucose sensor estimate of HbA1c in children with type 1 diabetes
Abstract Presenter: Sarah Ehtisham (United Arab Emirates)

Real world use of CGM among adolescents and young adults with type 1 diabetes (T1D): reduced burden, but little interest in data-analyses
Abstract Presenter: Karin Lange (Germany)
Scientific Programme

Poster Tour 16 - Childhood Obesity & Type 2 Diabetes, Associated Diseases, and Other Forms of Diabetes

**Genetic determinants of intellectual disability in KATP channel neonatal diabetes**
Abstract Presenter: Pernille Svalastoga (Norway)

**Genetic etiology and estimated prevalence of neonatal diabetes mellitus in the Czech Republic**
Abstract Presenter: Klára Roženková (Czech Republic)

**A mathematical model to determine optimal oral glucose tolerance test timepoints for identifying prediabetes in individuals with cystic fibrosis**
Abstract Presenter: Christine L Chan (United States)

**Clinical characteristics of patients referred for HNF1B testing - Polish population study**
Abstract Presenter: Arkadiusz Michalak (Poland)

**Clinical and laboratory features of patients with heterozygous CEL mutation (p.I488T)**
Abstract Presenter: Aysehan Akinci (Turkey)

**Permanent neonatal diabetes - characteristics, clinical and genetic diagnosis in Kosovo**
Abstract Presenter: Vjosa Kotori (Albania)

**Case study of monogenic diabetes mellitus caused by RFX6 mutation in a 14-year-old female patient**
Abstract Presenter: Jeesuk Yu (Korea, Republic of)

**The clinical and genetic characteristics of permanent neonatal diabetes mellitus (PNDM) in the State of Qatar**
Abstract Presenter: Khalid Hussain (Qatar)

**Searching for monogenic forms of diabetes among consanguineous families using whole exome sequencing (WES): lessons learned from an Iraqi Kurdish cohort**
Abstract Presenter: Jan Lebl (Czech Republic)

Posters on Display

**Treating fear of hypoglycemia, PTSD and accumulated trauma: three case studies**
Abstract Presenter: Omer Shaked (Israel)

**Prevalence of somatic symptom disorder requiring hospitalization in children and adolescents with type 1 diabetes mellitus**
Abstract Presenter: Gianluca Tornese (Italy)

**“VIG-Diabetes”: assessing the effect on glycaemic control of a video based intervention to improve communication skills in young people with type 1 diabetes**
Abstract Presenter: Clare Webster (United Kingdom)

**Silent heroes: parent and carer needs and perspectives about supporting their children living with type 1 diabetes**
Abstract Presenter: Kim Henshaw (Australia)
Scientific Programme

Evaluating the requirement of both verbal and written information at diagnosis
Abstract Presenter: Kath Millar (United Kingdom)

The escalating trend of using weight loss supplements with a view to safety concerns among overweight patients with diabetes mellitus type 2. The situation in Albanian community pharmacies
Abstract Presenter: Edmond Pistja (Albania)

Comparing knowledge and concerns for complications of reproductive health (RH) between female adolescents and young adults (AYA) with T1D in Chile and United States (U.S.)
Abstract Presenter: Hiba Abujaradeh (United States)

Costa Rica youth diabetes camp: impact on the nutritional knowledge, attitudes towards nutritional care plan and living with the condition of young people with diabetes
Abstract Presenter: Paula Chinchilla (Costa Rica)

Targeting post breakfast hyperglycemia with protein based foods may reduce macrovascular disease risk?
Abstract Presenter: Smita Shah (India)

Carbohydrate counting and its impact on glycemic control & insulin dose titration in children and adolescents with type1 diabetes mellitus in India
Abstract Presenter: Salis sheryl (India)

To find prevalence of type 1 with autoimmune thyroid disorders, age, duration, thyroid antibodies, growth and glycemic variability in Indian scenario
Abstract Presenter: VIRA LSINH RAJ (India)

Current state of insulin therapy for Japanese pediatric and adolescent type 1 diabetes: the 2018 cohorts of the childhood-onset type 1 diabetic patients in Japanese Study Group of Insulin Therapy for Childhood and Adolescent Diabetes (JSGIT)
Abstract Presenter: Toru Kikuchi (Japan)

Better glycaemic control first years after type 1 diabetes diagnosis increases the likelihood of residual C-peptide 10 years later
Abstract Presenter: Annika Grönberg (Sweden)

Detection of the diagnostic significance of autoantibodies in carbohydrate metabolism disorders in children and adolescents
Abstract Presenter: Tatiana Filippova (Russian Federation)

Review of high dose insulin injection treatments for diabetic ketoacidosis occurred to type 1 diabetes patients in our hospital
Abstract Presenter: Yoshihiko Yuyama (Japan)

A case of diabetic ketoacidosis associated with severe hyperosmolar hypernatremic state and thrombosis in type 2 diabetes mellitus
Abstract Presenter: Yong Hyuk Kim (Korea, Republic of)

The Management of Diabetic Ketoacidosis (DKA) in a district general hospital in the UK
Abstract Presenter: Vidya Viswanath (United Kingdom)

Type 1 diabetes mellitus: a missed diagnosis
Abstract Presenter: Pavithra Kadli (India)

Necrobiosis Lipoidica - a rare complication in a young diabetic
Abstract Presenter: Rabin Mohanty (United Kingdom)
Scientific Programme

Lipid profile, glycemic control and nutrition status in children with type 1 diabetes
Abstract Presenter: Vera Zdravkovic (Serbia)

Individualized patient centered multidisciplinary care approach for adolescents with diabetes in reducing readmission
Abstract Presenter: Aravind Venkatesh Sreedharan (Singapore)

Clinical profile and outcome of type 1 diabetes mellitus in a tertiary care centre of Nepal
Abstract Presenter: Jyoti Agrawal (Nepal)

A trend of a higher percentage of total basal insulin dose to total daily insulin dose and worse glycemic control in younger-onset patients with type 1 diabetes
Abstract Presenter: Katsuyuki Matsui (Japan)

A National Children and Young People’s Diabetes Quality Programme - The quality assurance picture so far
Abstract Presenter: Megan Peng (United Kingdom)

Carb counting and expert meters from diagnosis - using QI to improve outcomes for children diagnosed with type I diabetes
Abstract Presenter: Karen Bradshaw (United Kingdom)

Evaluating a multidisciplinary Chronic Illness Management Program for children and adolescents with type 1 diabetes
Abstract Presenter: Claire Marchetta (United States)

Family involvement in the care of preteens with type 1 diabetes
Abstract Presenter: Louise Norman Jespersen (Denmark)

Parent-child dyads in diabetes: Does it affect control and outcomes for both or either?
Abstract Presenter: Conor Cronin (Ireland)

Getting kids and families “Back on Track”: a retrospective chart review of patients in McMaster’s Back on Track program for children living with type 1 diabetes
Abstract Presenter: Kristen Salena (Canada)

InRange: a randomized controlled trial comparing Gla-300 vs IDeg-100 in people with type 1 diabetes (T1D) using continuous glucose monitoring (CGM)
Abstract Presenter: Tadej Battelino (Slovenia)

The impact of sotagliflozin (SOTA), a dual sodium-glucose cotransporter (SGLT) 1 and 2 inhibitor, on renal function, albuminuria, systolic blood pressure (SBP) and diastolic blood pressure (DBP) in adults with type 1 diabetes (T1D)
Abstract Presenter: Daniel H van Raalte (Netherlands)

Inherit “B” blood group and get diabetes for free!
Abstract Presenter: Sana Hasan (Pakistan)

Camps Man Mohan (= Mind Endearing) for type 1 diabetes children and youth: challenges, experiences and successes in resource limited settings (1987-2019-Future ????) - (100% free to the beneficiaries)
Abstract Presenter: Namya Gaekwad (India)

Pre type 1 autoimmune diabetes presenting as childhood stress hyperglycaemia
Abstract Presenter: Sathvik Reddy (India)
Characteristics of childhood diabetes mellitus at a paediatric endocrinology clinic in Lagos, Nigeria
Abstract Presenter: Ibironke Akinola (Nigeria)

Psychosocial impact of type 1 youth diabetes camps in India - patient advocacy and going beyond blood glucose testing
Abstract Presenter: Apoorva Gomber (India)

Sarvodaya and Anthyodaya - diabetes and health care for all: 3 decades of Indian challenges, struggles and experience
Abstract Presenter: Madhumati S Vaishnav (India)

Fasting blood glucose and lipids profile among children living with human immunodeficiency virus infection on first line antiretroviral therapy in Abidjan, Cote d'Ivoire
Abstract Presenter: Elizabeth Oyenusi (Nigeria)

Childhood onset diabetes mellitus: epidemiological, clinical and follow-up features in Ouagadougou (Burkina Faso)
Abstract Presenter: Yempabou Sagna (Burkina Faso)

Factors affecting insulin adherence in type 1 diabetics presenting in ketoacidosis - an experience from a teaching hospital
Abstract Presenter: Ayesha Ahmad (India)

Hypertension, obesity, diabetes, and heart failure-free survival: the cardiovascular disease lifetime risk pooling project in New Delhi, India
Abstract Presenter: Vikas Sharma (India)

Prediction of diabetes mellitus compensation based on the neural network model with assessment of glycemic variability indices
Abstract Presenter: Marina Koshmeleva (Russian Federation)

Advantages and difficulties in using sensor-augmented pump therapy with predictive insulin suspension in pediatric patients with type 1 diabetes
Abstract Presenter: Catherine Ajzenman (France)

Evaluation of the use of freestyle glucose monitoring sensor in children and young people with type 1 diabetes mellitus at diagnosis and established
Abstract Presenter: Sanjana Kattera (United Kingdom)

Comparison of glycaemic variability in adult with Type 1 Diabetes on insulin pump and insulin injection
Abstract Presenter: Feny Patel (India)

Sensor augmented pump therapy effects glycemic variability
Abstract Presenter: Damla Goksen (Turkey)

“Diabetes in your face”. Experiences of people with type 1 diabetes during altitude hike in tropical rainforest using continuous blood glucose monitoring: a qualitative study
Abstract Presenter: Katarzyna Anna Gajewska (Ireland)

Study of subclinical hypothyroidism in children with type 1 diabetes mellitus and its relation to lipid profile
Abstract Presenter: Shaymaa Elsayed (Egypt)

Usefulness of DQ typing for coeliac disease screening in children and adolescents with type 1 diabetes: Blackpool, UK experience
Abstract Presenter: Taher Kagalwala (United Kingdom)
An unusual case of dual metabolic pathology
Abstract Presenter: Shashikala Gowda (United States)

The hyperosmolar state mixed with DKA is underrecognised and more severe in children with limited mobility
Abstract Presenter: Sinny Lau (United Kingdom)

The prevalence of Type 1 Diabetes and Autistic Spectrum Disorder in Highland Region, Scotland, and its impact on glycaemic control and care needs
Abstract Presenter: Louise Ferguson (United Kingdom)

Wolcott-Rallison syndrome in the Gulf & Levant: a case report and review of regional literature
Abstract Presenter: Nandu Thalange (United Arab Emirates)

A prenatal diagnosis in a family with neonatal diabetes
Abstract Presenter: Nancy Elbarbary (Egypt)

Effect of growth hormone treatment in GCK-MODY patient
Abstract Presenter: Alicja Szwilling (Poland)

Successful sulfonylurea treatment of an adolescent with a transient neonatal diabetes due to a 6q24 mutation
Abstract Presenter: Thekla von dem Berge (Germany)

Posters on Display
14:30 - 15:30

Late Breaking Posters on Display only

Telemedicine as a supplement to regular visits - evaluation via a multicenter randomized controlled study
Abstract Presenter: Peter Adolfsson (Sweden)

Predictors of fear of hypoglycemia in a nationwide population-based pediatric type 1 diabetes population - the Norwegian Childhood Diabetes Registry (NCDR)
Abstract Presenter: Håvard Hatle (Norway)

Noonan Syndrome mutation related metabolic profile, lean phenotype, unfavorable lipid and insulin profile
Abstract Presenter: Alexsandra C Malaquias (Brazil)

Cystatin C in children and adolescents with type 1 diabetes: a new early marker of cardiovascular disease and heart failure
Abstract Presenter: Barbara Predieri (Italy)

Teaching patients with diabetes and their family to manage emergencies: integrating simulation session into insulin pump curriculum
Abstract Presenter: Maria Buithieu (Canada)

MyDiaText™: texting the way to better diabetes care
Abstract Presenter: Tara Kaushal (United States)

Acquired lipodystrophy among children and adolescents attending a diabetes camp
Abstract Presenter: Tiago Jeronimo Dos Santos (Spain)
Scientific Programme

Overview of research and recruitment methods of young adults with T1D
Abstract Presenter: Christina Roth (United States)

Prevalence of coeliac disease in children and adolescents with type 1 diabetes mellitus in a tertiary hospital in South Africa
Abstract Presenter: Maria Karsas (South Africa)

Screening of cardiac autonomic neuropathy in children and adolescents with diabetes mellitus
Abstract Presenter: Jinsup Kim (Korea, Republic of)

Development of a guideline for education and use of CGM and FGS in primary schools
Abstract Presenter: Jane Haest (United Kingdom)

The relation among serum insulin-like growth factor-1 (IGF-I)/IGF binding protein-3 (IGFBP-3) axis, glycemic control and lipid metabolism in adolescents with naive type 2 diabetes
Abstract Presenter: Dae Gyu Lee (Korea, Republic of)

Monogenic VS idiopathic type 1 DM
Abstract Presenter: Shimaa Abdalla (Saudi Arabia)

Clinical Science Symposium: Obesity & Type 2 Diabetes
Chairs:
Chair: Lynne L. Levitsky (United States)

An update on RISE and TODAY
Speaker: Silva Arslanian (United States)  15:45 - 16:15

Practical Management of Childhood Obesity & Type 2 Diabetes
Speaker: Jill Hamilton (Canada)  16:15 - 16:45

Curing Type 2 Diabetes: TEENLabs Study
Speaker: Thomas Inge (United States)  16:45 - 17:15

The Brain and Diabetes
Chairs:
Chair: Fergus Cameron (Australia)
Chair: Neil White (United States)

Implications of Neuroimaging Findings in Youth with Type 1 Diabetes
Speaker: Tamara Hershey (United States)  15:45 - 16:15

Optimizing Learning: Practical Management of T1D in Schools
Speaker: Luis Eduardo Calliari (Brazil)  16:15 - 16:45
Scientific Programme

School Performance in Children with Type 1 Diabetes
Speaker: Jannet Svensson (Denmark)

15:45 - 17:15

Oral Session IV, Diabetes Care-Clinical Care Delivery

Chairs:
Chair: Sabine Hofer (Austria)
Chair: Jamie Wood (United States)

Adolescent and parent perspectives on the use of financial incentives to promote diabetes self-care adherence in adolescents with type 1 diabetes
Abstract Presenter: Faisal Malik (United States)

15:45 - 15:56

The type 1 diabetes care index: a novel metric to assess delivery of optimal type 1 diabetes care
Abstract Presenter: Kathryn Obrynba (United States)

15:56 - 16:07

Novel application of artificial intelligence and machine learning methods to predict deterioration in long-term glycemic control in youth with type 1 diabetes
Abstract Presenter: Mark Clements (United States)

16:07 - 16:18

Driving better paediatric diabetes care in England and Wales - a decade of continuous improvement
Abstract Presenter: Megan Peng (United Kingdom)

16:18 - 16:29

Significant reduction of ketoacidosis at diabetes onset in children and adolescents with type 1 diabetes - results of the diabetes awareness campaign of children hospital and public health department of Stuttgart, Germany
Abstract Presenter: Martin Holder (Germany)

16:29 - 16:40

Use of insulin pumps combined with continuous glucose monitoring (CGM) in type 1 diabetes has similar impact on HbA1c as living in the least deprived areas of England and Wales: outcomes from the National Paediatric Diabetes Audit (NPDA) 2017-18
Abstract Presenter: Holly Robinson (United Kingdom)

16:40 - 16:51

Effect of exercise intensity on glucose requirements to maintain euglycaemia at high insulin levels in type 1 diabetes
Abstract Presenter: Vinutha B Shetty (Australia)

16:51 - 17:02

Closed-loop control (CLC) in teens and young adults improves glycemic control: results from a 6-month multicenter Randomized Clinical Trial (RCT)
Abstract Presenter: Elvira Isganaitis (United States)

17:02 - 17:13
Scientific Programme

Satellite Symposium / Workshop / Round Table
17:30 - 19:00
Constitution Ballroom

Satellite Symposium

Meetings
17:30 - 19:00
Republic Ballroom

JENIOUS Mentorship
Friday, 01 November 2019

Meetings
08:00 - 08:45
Republic Ballroom

**Life for a Child Update**

*Life for a Child Update*
Speaker: Graham Ogle (Australia)

Plenary Session
09:00 - 10:30
Grand Ballroom

**Plenary Session III, New Thinking on Genetics, Insulin Resistance & Pediatric Diabetes**

*Chairs:*
Chair: Mark Sperling (United States)
Chair: Georgeanna J. Klingensmith (United States)

- **Genetic Heterogeneity in Type 1 and Type 2 Diabetes**
  Speaker: Pål Njølstad (Norway)

- **Dissecting Gene-Environment Interactions in the Pathogenesis of Diabetes**
  Speaker: Ronald Kahn (United States)

Industry Exhibition
10:15 - 16:15
Back Bay

Exhibition

Symposium
11:00 - 12:30
Grand Ballroom

**Clinical Science Symposium: The Islets, the Microbiome & More**

*Chairs:*
Chair: Maria Craig (Australia)

- **Expanding Beta Cell Mass**
  Speaker: Rohit Kulkarni (United States)

- **Understanding the Microbiome**
  Speaker: Emma Hamilton-Williams (Australia)

- **Lessons Learned from Pancreatic Biopsies (DiViD): Putting it all together**
  Speaker: Lars Krogvold (Norway)
Scientific Programme

Symposium  
11:00 - 12:30  
Constitution Ballroom

Clinical Care Symposium: T1D Care in Developed & Developing Countries

The US Perspective: Update from the T1D Exchange  
Speaker: Kellee Miller (United States)  
11:00 - 11:30

Developing Countries and Global Perspectives  
Speaker: Graham Ogle (Australia)  
11:30 - 12:00

T1D Recipe for Success: The Swedish Model  
Speaker: Karin Akesson (Sweden)  
12:00 - 12:30

Oral Session  
11:00 - 12:30  
Republic Ballroom

Oral Session V, Behavioral Health and Young Adulthood

Chairs:  
Chair: Jill Weissberg-Benchell (United States)

Psychosocial screening in routine clinical care of youth with diabetes  
Abstract Presenter: Alan Delamater (United States)  
11:00 - 11:11

Diagnostic accuracy of depression screening tools for adolescents with type 1 diabetes  
Abstract Presenter: Arwen Marker (United States)  
11:11 - 11:22

Pre-empting challenges of adolescence: effects and theoretical frameworks of psychosocial interventions targeting pre-teens with type 1 diabetes  
Abstract Presenter: Regitze Anne Saurbrey Pals (Denmark)  
11:22 - 11:33

Characteristics and metabolic outcome of children and adolescents with type 1 diabetes supported by psychological care in a real-world setting  
Abstract Presenter: Angela Galler (Germany)  
11:33 - 11:44

The association of mindfulness with depression, diabetes distress, and diabetes-related outcomes in adolescents with type 1 diabetes (T1D)  
Abstract Presenter: Hiba Abujaradeh (United States)  
11:44 - 11:55

Illness identity and diabetes-specific functioning across adolescence and emerging adulthood: a four-wave longitudinal study  
Abstract Presenter: Jessica Rassart (Belgium)  
11:55 - 12:06

Financial stress characteristics in emerging adults with type 1 diabetes  
Abstract Presenter: Julia Blanchette (United States)  
12:06 - 12:17

Is there an association between celiac disease and depression in children and young adults with type 1 diabetes? A multicentre approach  
Abstract Presenter: Stefanie Lanzinger (Germany)  
12:17 - 12:28
**Scientific Programme**

**Satellite Symposium / Workshop / Round Table**  
12:45 - 14:15  
Republic Ballroom

**Satellite Symposium**

**Meeting**  
13:00 - 14:00  
Room Hampton

**Dietitians Network meeting**

**Poster Tour**  
14:30 - 15:30  
Posters

**Poster Tour 18 - Psychosocial Issues, Education, Nutrition, and Exercise**

**Chairs:**  
Chair: Tim Skinner (Australia)

- **Outpatient diabetes-specific quality of life screening: feasibility and outcomes in parents of children aged 2-7 with T1D**  
  Abstract Presenter: Michael Yao (United States)

- **The WHO-5 Index in Danish adolescents with type 1 diabetes and the associations with disordered eating, emotional symptoms, quality of life and hemoglobin A1c**  
  Abstract Presenter: Niels Birkebaek (Denmark)

- **Symptoms of eating disorders, quality of life, emotional difficulties and metabolic control in Danish adolescents with type 1 diabetes**  
  Abstract Presenter: Niels Birkebaek (Denmark)

- **Virtual education: prevalence in youth with diabetes and their characteristics**  
  Abstract Presenter: Cynthia Van Gampelaere (Belgium)

- **Families with pediatric type 1 diabetes: a comparison with the general population on child well-being, parental distress and parenting behavior**  
  Abstract Presenter: Christine March (United States)

- **Objectively downloaded insulin pump data support maternal self-report of maintaining high blood glucose**  
  Abstract Presenter: Holly O'Donnell (United States)

- **The associations between knowledge and health beliefs/attitudes regarding gestational diabetes (GDM) in American Indian/Alaska Native (AI/AN) Adolescent/Young Adult (AYA) daughters at risk for GDM and their mothers: a dyadic analysis**  
  Abstract Presenter: Susan Sereika (United States)
Scientific Programme

**Do clinic-based interventions make a difference to the psychological wellbeing of youth and young adults with type 1 diabetes?**
Abstract Presenter: Joanna McClintock (New Zealand)

**Parental anxiety after five years participation in a longitudinal follow up study of children at high risk for type 1 diabetes - The DiPiS study**
Abstract Presenter: Jessica Melin (Sweden)

**When adolescents with type 1 diabetes drink alcohol, do they make safe choices around diabetes care?**
Abstract Presenter: Rachel Wasserman (United States)

**Poster Tour 19 - Psychosocial Issues, Education, Nutrition, and Exercise**

**What foods cause problematic glucose excursions in young people with type 1 diabetes and what strategies do families use to manage this?**
Abstract Presenter: Tenele Smith (Australia)

**Dietary response to hypoglycemia in adolescents with type 1 diabetes in the Flexible Lifestyle Empowering Change (FLEX) Intervention**
Abstract Presenter: Daria Igudesman (United States)

**Hypoglycemia reduction using high-carb diet in adolescents with type 1 diabetes wearing a continuous glucose monitoring during a sport camp**
Abstract Presenter: Sara Giorda (Italy)

**A family-focused approach to healthy lifestyle choices for adolescents with type 1 diabetes**
Abstract Presenter: Fiona Scott (Australia)

**Quality of infants’ diet does not relate to who has type 1 diabetes in the family**
Abstract Presenter: Rachel J Battersby (Australia)

**Translation, cultural adaptation and validation of the Ped Carb Quiz (PCQ) in Chilean children, youths and adults with type 1 diabetes**
Abstract Presenter: Maria Teresa Onetto (Chile)

**Dietary intake and physical activity of a well-controlled group of children with type 1 diabetes mellitus**
Abstract Presenter: Melina Karipidou (Greece)

**The role of zinc supplementation as an adjuvant therapy for pediatric patients with β-thalassemia major complicated with diabetes mellitus**
Abstract Presenter: Nancy Elbarbary (Egypt)

**Automation of exercise management by an ideal artificial pancreas (AP) system: perspectives from youth with type 1 diabetes (T1D)**
Abstract Presenter: Lindsay Roethke (United States)

**Partial remission in childhood onset diabetes type 1 - does physical activity matter?**
Abstract Presenter: Milena Jamiolkowska (Poland)
Scientific Programme

Poster Tour
14:30 - 15:30

**Poster Tour 17 - Diabetes Acute and chronic complications and Late breakers**

**Chairs:**
Chair: Robert Hoffman (United States)

- **Thrombin generation in children and adolescents with type 1 diabetes at type 1 diabetes onset**
  Abstract Presenter: Hildegard Jasser-Nitsche (Austria)

- **Adolescents and young adults with type 1 diabetes have increased left ventricular electromechanical discoordination: cardiac MRI report from emerald study**
  Abstract Presenter: Michal Schäfer (United States)

- **TNF alpha and VEGF as predictors of diabetic retinopathy**
  Abstract Presenter: Iwona Ben-Skowronek (Poland)

- **Visfatin level and its relationship to subclinical atherosclerosis in children with type 1 diabetes**
  Abstract Presenter: Hoda Atwa (Egypt)

- **Weight status by body mass index percentile (BMI %ile) vs. percent body fat (%BF) in youth with type 1 diabetes (T1D)**
  Abstract Presenter: Aishwarya Sharma (United States)

- **Bone microarchitecture and estimated bone strength in children with type 1 diabetes mellitus**
  Abstract Presenter: Gitte Fuusager (Denmark)

- **Five year cohort profile: the Environmental Determinants of Islet Autoimmunity (ENDIA) study**
  Abstract Presenter: Jenny Couper (Australia)

- **Early onset type 1 diabetes - is there a specific genetic architecture?**
  Abstract Presenter: Ana Laura Fitas (Portugal)

- **Immunological and molecular markers for the definition of type 1 diabetes endotypes in childhood and adolescence**
  Abstract Presenter: Raffaella Di Tonno (Italy)

- **Glycaemic responses to exercise with and without repeated sprints in a free-living setting in adolescents and young adults with Type 1 diabetes**
  Abstract Presenter: Wayne Soon (Australia)

Poster Tour
14:30 - 15:30

**Poster Tour 20 - Diabetes Care and New Therapeutics**

- **Effects of switching from insulin glargine to insulin degludec in patients with type 1 diabetes, a hospital based study in Muscat, Oman**
  Abstract Presenter: Hala AlShaikh (Oman)
Scientific Programme

The type 1 diabetes composite score: an innovative metric for measuring patient care outcomes beyond HbA1c
Abstract Presenter: Justin Indyk (United States)

Basal insulin to total insulin dose proportion and glycemic control in children and adolescents with type 1 diabetes in Poland
Abstract Presenter: Agata Chobot (Poland)

The impact of a team based quality improvement initiative on clinic HbA1c levels in a large UK paediatric diabetes service
Abstract Presenter: Fulya Mehta (United Kingdom)

Use of home and ambulatory blood pressure monitoring in the SWEET diabetes centers: an international SWEET database survey
Abstract Presenter: Andriani Vazeou (Greece)

Blood pressure methodology in the SWEET Diabetes Centers: an international SWEET Database survey
Abstract Presenter: Andriani Vazeou (Greece)

Real-world evidence in type 1 diabetes (T1D): glycemic control and disease management of persons with T1D from global registries
Abstract Presenter: Tadej Battelino (Slovenia)

A group curriculum for teens with type 1 diabetes (T1D) improves transition readiness and diabetes self-efficacy: results of a pilot randomized controlled trial (RCT)
Abstract Presenter: Katharine Garvey (United States)

What is the best approach to implementing a National Paediatric Diabetes Audit in Ireland? A realist synthesis of existing evidence
Abstract Presenter: Sinead McGlacken-Byrne (Ireland)

Barriers to diabetes device uptake: examining adolescents’ unique perspective
Abstract Presenter: Jessie Wong (United States)

Poster Tour
14:30 - 15:30

Poster Tour 24 - Diabetes in Developing Countries

Characteristics of type 1 diabetes mellitus in children and adolescents with Down’s syndrome in a non-Caucasian population
Abstract Presenter: Nara Livia Rezende Soares (Brazil)

Improvement in metabolic control in migrant children with type 1 diabetes moving from Central America to Chile
Abstract Presenter: Rossana Roman (Chile)

“Insulin Akshayapatra” for childhood onset type diabetes in India: three decades [1987 - 2019] dreams, challenges, failures and successes from India
Abstract Presenter: Keerthana Haridas (India)

Type 1 diabetes mellitus in Pointe-Noire: epidemiology, glycemic control, outcomes and challenges
Abstract Presenter: Charley Loumade Elenga-Bongo (Congo)
Children, adolescents and young adults with type 1 diabetes with high HbA1c could fast safely in the month of Ramadan - an observational study in Bangladesh
Abstract Presenter: Bedowra Zabeen (Bangladesh)

Probability of MODY in a cohort of 209 Brazilians with young onset diabetes
Abstract Presenter: Milena Gurgel Teles (Brazil)

The positive effects of family functioning and resilience on health outcomes in Chinese youth with type 1 diabetes
Abstract Presenter: Dan Luo (China)

From toy to tool: using water beads for insulin storage in Haiti
Abstract Presenter: Molly Gilligan (United States)

Assessment of cognitive dysfunction in a group of Moroccan children and adolescents with type 1 diabetes mellitus
Abstract Presenter: Kaltoum Boutahar (Morocco)

Oral diseases in a young population of patients living with Type 1 Diabetes in Cameroon: Epidemiological and clinical aspects
Abstract Presenter: Adelle Bodieu Chetcha (Cameroon)

Contributions and limits of Integrated Telemedicine in diabetes care and education program: perceptions of families from Chilean remote rural area
Abstract Presenter: Julie Pelicand (Chile)

Lessons learned from using telemedicine with youth with type 1 diabetes and families
Abstract Presenter: Tyler K Reznick-Lipina (United States)

Leveraging the Project ECHO model for type 1 diabetes (T1D) to democratize specialty knowledge in underserved T1D communities
Abstract Presenter: Nicolas Cuttriss (United States)

Real-world application of an artificial intelligence model predicting short-term change in glycemic control in youth with type 1 diabetes
Abstract Presenter: Mark Clements (United States)

Provider perceived barriers to technology use in pediatric patients with type 1 diabetes
Abstract Presenter: David Tsai (United States)

How does video-counseling work under real-life conditions? Results from the VIDIKI study, a multicenter, controlled study evaluating the impact of monthly video consultations for children with type 1 diabetes using a continuous glucose monitoring system
Abstract Presenter: Simone von Sengbusch (Germany)

VIDIKI: a multicenter, controlled study assessing the impact of monthly video consultations for children with type 1 diabetes compared to usual care
Abstract Presenter: Simone von Sengbusch (Germany)
A pilot non-inferiority randomized controlled trial to assess automatic adjustments of insulin doses for patients with type 1 diabetes on multiple daily injection therapy
Abstract Presenter: Anas El Fathi (Canada)

Real-world glycemic profiles and insulin use patterns of 12,796 pediatric, adolescent and young adult patients with Type 1 diabetes using the Omnipod® insulin management system with cloud-based data management
Abstract Presenter: Jennifer Layne (United States)

Infrequent uploading of insulin pump and glucose sensor data due to motivation rather than knowledge for families living with paediatric type 1 diabetes
Abstract Presenter: Alexander Daniel Chesover (Canada)

Poster Tour 22 - Telemedicine & Digital Support, Pumps & CGM, and Automated Insulin Delivery

Poster Tour
14:30 - 15:30

Chairs:
Chair: Roque Cardona-Hernandez (Spain)

Safe use of eversense CGM in children and adolescents: the fear no hypo study
Abstract Presenter: Torben Biester (Germany)

Strategies to enhance new CGM use in early childhood (SENCE): results from a randomized clinical trial of continuous glucose monitoring (CGM) in young children with type 1 diabetes (T1D)
Abstract Presenter: Linda DiMeglio (United States)

Loss of continuous glucose monitor coverage is associated with an increase in HbA1c
Abstract Presenter: Ananta Addala (United States)

Time in range in a large cohort of children with type 1 diabetes using glucose sensor and multiple daily injection or insulin pump treatment
Abstract Presenter: Valentino Cherubini (Italy)

Correlational analysis of 5AM glucose in the Tidepool Big Data Donation Project
Abstract Presenter: Lisa Norlander (United States)

An ideal artificial pancreas (AP) system: comparing preferences of youth with type 1 diabetes (T1D) and parents
Abstract Presenter: Persis Commissariat (United States)

Pros and cons of Minimed 670G hybrid closed-loop system: first 6-month experience in Italy
Abstract Presenter: Andrea Scaramuzza (Italy)

Feasibility of a basal rate and carb ratio learning algorithm for closed-loop insulin delivery systems (artificial pancreas)
Abstract Presenter: Emilie Palisaitis (Canada)

Open-source hybrid closed-loop android artificial pancreas system: IN SILICO clinical trials with the UVA/Padova type 1 diabetes simulator proof safety and efficacy
Abstract Presenter: Lenka Petruzelkova (Czech Republic)
Scientific Programme

Safety and efficacy of initializing a Control-IQ automated insulin delivery system with total daily insulin
Abstract Presenter: Melissa Schoelwer (United States)

Posters on Display
14:30 - 15:30

Posters on Display

Poster Tour
14:30 - 15:30

Poster Tour 23 - Childhood Obesity & Type 2 Diabetes, Associated Diseases, and Other Forms of Diabetes

Targeted sequencing identified rare genetic variants in non-syndromic early-onset obesity among Taiwanese children
Abstract Presenter: Meng-Che Tsai (Taiwan, Republic of China)

Spinning the habit-loop : childhood obesity
Abstract Presenter: Ankit Khanna (United Kingdom)

Body fat and insulin sensitivity predict endothelial function and subendocardial viability in healthy, non-hispanic white adolescents
Abstract Presenter: Robert Hoffman (United States)

Leptin gene methylation status in Egyptian infants
Abstract Presenter: Omneya Magdy Omar (Egypt)

High-fat diet accelerates extreme obesity with hyperphagia and severe glucose intolerance in female heterozygous MeCP2 null mice
Abstract Presenter: Shota Fukuhara (Japan)

The usefulness of genotyping of celiac disease specific HLA among children with type 1 diabetes in various clinical situation
Abstract Presenter: Grazyna Deja (Poland)

Is there a connection between type 1 diabetes and autism? The prevalence of autism in children with type 1 diabetes and differences in phenotype and biomarkers at diabetes diagnosis
Abstract Presenter: Jasaman Tojjar (Sweden)

Anti-GAD associated auto-immune neurological disease in children with type 1 diabetes mellitus: a case series from Scotland
Abstract Presenter: Julia Fuchs (United Kingdom)

The relationship between insulin-like growth factor-1 and markers of bone turnover in children and adolescents with T1D for > 1 year
Abstract Presenter: Jesper Johannesen (Denmark)

Thrombogenicity in children with type 1 diabetes - a case control study
Abstract Presenter: Hanna Dis Margeirsdottir (Norway)
Scientific Programme

Manipulation of capillary blood glucose meter readings, clinical cases and experimental trial
Abstract Presenter: Rossana Roman (Chile)

Insulin edema in a 14 year poor adolescent girl with type 1 diabetes mellitus due to surreptitious [but not therapeutic] self insulin use [project DISHA: receiving free medical care]
Abstract Presenter: Keerthana Haridas (India)

Examining the relationship between adolescent type 1 diabetes-specific quality of life and parent-adolescent communication
Abstract Presenter: Ella Tuohy (Ireland)

Diabetes at camp: resources for HCP education and technology integration
Abstract Presenter: Carla Cox (United States)

Long-term evolution of glycemic control in adolescents with T1D in persistent imbalance. Effect of intensive intervention and recovery education
Abstract Presenter: Amel zennaki (Algeria)

Green biosynthesis of silver nanoparticles by Citrullus Colocynthis for in-vivo anti-diabetic activity on experimental animals
Abstract Presenter: Dharmendra Khatri (India)

Development of clinical data standards for Type 1 diabetes (T1D) by CDISC and T1D experts to promote data sharing and reuse
Abstract Presenter: John Owen (United States)

Community based research on malnutrition & diabetes: a cross section survey in children of urban slum of Surat (Gujarat)
Abstract Presenter: Paresh Surati (India)

Epidemiology and phenotype variation in young diabetes patients
Abstract Presenter: Shivani Arya (India)

Increasing coexistence of additional autoimmune diseases at diabetes type 1 onset among children and adolescents in Podlaskie Voivodeship (Poland) diagnosed in years 2010-2018
Abstract Presenter: Barbara Glowinska-Olszewska (Poland)

Screening for islet cell antibodies in non diabetic siblings of children with type i diabetes mellitus
Abstract Presenter: Basma Ali (Egypt)

A case of Wolfram syndrome with thyrosine phosphatase antibody
Abstract Presenter: Irina Eremina (Russian Federation)

Emerging phenotypes of the hyperosmolar hyperglycaemic state (HHS) in the paediatric population
Abstract Presenter: Edward Holloway (United Kingdom)

Severe hypertriglyceridemia shadowing diabetic ketoacidosis in type 1 diabetes mellitus
Abstract Presenter: Yasmine Abdelmeguid (Egypt)

The frequency of diabetic ketoacidosis at type 1 diabetes onset in a national incident cohort over a 5 year period
Abstract Presenter: Edna Roche (Ireland)

A case of Mauriac syndrome
Abstract Presenter: Omneya Magdy Omar (Egypt)
An old syndrome in modern times: a case of Mauriac syndrome
Abstract Presenter: Shahab Noorian (Iran, Islamic Republic of)

Longitudinal follow up for the association of microvascular complications in type 1 diabetes (T1DM)
Abstract Presenter: Manisha Gupta (India)

Insulin port: experience in a chilean state hospital
Abstract Presenter: Marta Arriaza (Chile)

Fifty years of impressive growth and development of T1D care
Abstract Presenter: Christos S. Bartsocas (Greece)

Testing an audit and feedback intervention to improve glycemic control after transfer to adult diabetes care: protocol for a quasi-experimental pre-post design with a control group
Abstract Presenter: Rayzel Shulman (Canada)

Changes in body mass index and hemoglobin A1c over 5 years after diagnosis of type 1 and 2 diabetes mellitus in children and adolescents: observational study using common data model
Abstract Presenter: Yun Jeong Lee (Korea, Republic of)

Trends in prevalence of pediatric diabetes in in developing countries: the case study of Nepal
Abstract Presenter: Rajati Sharma (Nepal)

Starting benchmarking in Canada: which benefits for type 1 diabetes care?
Abstract Presenter: Valérie Goettel (Canada)

An analysis of North West London diabetes units using data from the National Paediatric Diabetes Audit 2017/2018
Abstract Presenter: Caroline Alexiou (United Kingdom)

A National Quality Programme in England and Wales - The quality improvement story so far
Abstract Presenter: Megan Peng (United Kingdom)

Evolution of the designs of the sitagliptin pediatric clinical studies
Abstract Presenter: R. Ravi Shankar (United States)

Changes observed during the screening period in patients enrolled in the sitagliptin clinical study MK-0431 P083
Abstract Presenter: Carmen A. Rosario (Dominican Republic)

Nerve conduction studies in patients with type 2 diabetes mellitus and its correlation with HbA1c
Abstract Presenter: Shital Gupta (Nepal)

Clinical profile of type 1 diabetes mellitus among children in western part of Nepal
Abstract Presenter: Piush kanodia (Nepal)

Roller coaster in the insulin requirements of a child with chronic kidney disease
Abstract Presenter: Dina Fawzy (Egypt)

Clinical profile of young diabetics attending a tertiary care hospital in South India
Abstract Presenter: DON DAVID (India)
Helplessness, hopelessness and self-destruction situation in a type 1 diabetes poor village family: successful transformation story to a united nations global art awardee, role model and a future doctor
Abstract Presenter: Sathvik Reddy (India)

Financial aspects of a type 1 diabetes program in Northern Haiti
Abstract Presenter: Marc-Mesadieu Exavier (Haiti)

Clinical, demographic and Socio-economic correlates of glycemic control in adolescents with type 1 diabetes
Abstract Presenter: Deepika Harit (India)

Usability testing of a web-based serious game for Brazilian children with type 1 diabetes (T1D)
Abstract Presenter: Valéria Cássia Sparapani (Brazil)

Glucose variability in east African children and youth with Type 1 Diabetes: A pilot study
Abstract Presenter: Lauren McClure (United States)

Blood pressure level increase with altitude in three argentinean indigenous communities
Abstract Presenter: Valeria Hirschler (Argentina)

Role of wearable technology in blood glucose regulation: a boon for type 1 diabetic adolescent in south Delhi school children
Abstract Presenter: Vikas Sharma (India)

Diabetes heroes - the power of knowledge: a web-based serious game for Brazilian children with type 1 diabetes (T1D)
Abstract Presenter: Valéria Cássia Sparapani (Brazil)

Predictive low-glucose suspend feature of insulin pump therapy reduces hypoglycemia during fasting in ramadan among adolescents with Type 1 Diabetes mellitus
Abstract Presenter: Nancy Elbarbary (Egypt)

E-health to support adolescents with type 1 diabetes
Abstract Presenter: Irén Tiberg (Sweden)

Continuous Glucose Monitoring System (CGMS) in well controlled children with type 1 diabetes
Abstract Presenter: Emilia Kowalczyk (Poland)

Metabolic control and variability in children with diabetes mellitus type 1 users of insulin infusion pump with predictive insulin suspension
Abstract Presenter: Francisca Riera (Chile)

Diagnosis of polyglandular autoimmune syndromes (PAS) in diabetic children and their siblings
Abstract Presenter: Iwona Ben-Skowronek (Poland)

Coexistence of medium chain acyl-CoA dehydrogenase deficiency (MCADD) and type 1 diabetes (T1D): a management challenge
Abstract Presenter: Donald Afreh-Mensah (United Kingdom)

Relationship between chronic pancreatitis and diabetes mellitus: a retrospective analysis of 200 ERCP investigations in diabetic patients
Abstract Presenter: Azka Athar (Pakistan)
Study of the coexistence of diabetes and hypothyroidism on body weight gain, leptin and various metabolic aspects in wistar rats
Abstract Presenter: Sumit Rajput (India)

Dual diagnosis of type 1 diabetes and ADHD
Abstract Presenter: Zohar Landau (Israel)

SLC29A3 spectrum disorder associated monogenic / syndromic insulin dependent diabetes: multiple tragedies and herculean management challenges of an enigmatic multisystem pathology
Abstract Presenter: Namya Gaekwad (India)

A girl with severe motor and intellectual disabilities who had hyperglycemic hyperosmolar syndrome associated with pancreatogenic diabetes mellitus
Abstract Presenter: Noriko Oyama (Japan)

Thiamine-responsive megaloblastic anemia related diabetes: long-term clinical outcomes in a large international case series from DPV and SWEET registries
Abstract Presenter: Daniele Pacaud (Canada)

MODY3 with obesity and nodular erythema
Abstract Presenter: Lyubov Zilberman (Russian Federation)

Posters on Display
14:30 - 15:30

Late Breaking Posters on Display only

Investigation of appropriate timing of additional insulin dosing for fat and protein in children with type 1 diabetes using multiple daily injections
Abstract Presenter: Anne Marie Frohock (United Kingdom)

Glycemic control and quality of life in immigrant and Italian children and adolescents with type 1 diabetes and in their parents
Abstract Presenter: Barbara Predieri (Italy)

Using a culturally and linguistically competent health promotion approach to adapt and validate the preconception counseling READY-girls program for Spanish-speaking teens with diabetes
Abstract Presenter: Angelica Maria Escobar (United States)

Would patients on Multiple Daily Injection (MDI) insulin regimens administer an extra injection for high-fat, high-protein (HFHP) meals?
Abstract Presenter: Anne Marie Frohock (United Kingdom)

25OHD in T1D children and adolescents in Finland (T1DD)
Abstract Presenter: Mari-Anne Pulkkinen (Finland)

Experiences of young professionals with type 1 diabetes mellitus launching into the workplace
Abstract Presenter: Jennifer Saylor (United States)

Prevalence and risk factors of thyroid dysfunction and thyroid autoimmunity in children with newly developed type 1 diabetes mellitus
Abstract Presenter: Jeesuk Yu (Korea, Republic of)
Scientific Programme

Towards psycho-socio-economic (PSE) challenges: the Impact of patient-parents multi-sessional counseling approaches in type 1 diabetes (T1DM)
Abstract Presenter: Swati Patel (India)

Paediatric Type 2 diabetes in a single centre in East London in the period 2009-2018
Abstract Presenter: Evelien Gevers (United Kingdom)

To study the metabolic outcome in type 1 diabetic patients of different age group through DPV software
Abstract Presenter: Maitry Pancholi (India)

PHQ and CDI before and after 10-week curriculum-based group intervention in adolescents with T1D
Abstract Presenter: Cynthia Muñoz (United States)

Improving outcomes for young people with type 2 diabetes mellitus in East London
Abstract Presenter: Elizabeth Nash (United Kingdom)

Role of Acarbose in persons with type-1 diabetes: a multicentre study in India
Abstract Presenter: Malay Parekh (India)

Symposium
15:45 - 17:15
Grand Ballroom

ATTD SESSION - Technologies and Diabetes – where are we today?

Chairs:
Chair: Moshe Phillip (Israel)
Chair: Tadej Battelino (Slovenia)

Why do we need Decision Support System? 15:45 - 16:05
Speaker: Lori Laffel (United States)

Advice4U: Results of a multinational multicenter study 16:05 - 16:55
Speaker: Revital Nimri
Speaker: Gregory Forlenza

Children with T1D in school – the impact of technology 16:55 - 17:15
Speaker: Nataša Bratina (Slovenia)

Symposium
15:45 - 17:15
Constitution Ballroom

JDRF Fellowship Awardees: The Future of Pediatric Diabetes Research & Care is HERE

Chairs:
Chair: Denis Daneman (Canada)

TBD 15:45 - 16:05
Speaker: Salwa Baki (Morocco)

TBD 16:05 - 16:25
Speaker: Klemen Dovc (Slovenia)
MAIT cells interactions and Type 1 Diabetes: a new pathway to understand the disease?  
Speaker: Carol Passone (Brazil)  

Epidemiology and mortality of type 1 diabetes among Children and young adults 0-25 years in Rwanda: A registry based study  
Speaker: Edison Rwagasore (Rwanda)

Oral Session
15:45 - 17:15

Oral Session VI, Diabetes Education and Psychosocial issues
Republic Ballroom

Oral Session
15:45 - 17:15

Oral Session VI, Diabetes Education and Psychosocial issues
Republic Ballroom

Socioeconomic disparities in pump uptake among Canadian children and adolescents with type 1 diabetes: findings from two provincial programs  
Abstract Presenter: Jennifer Melissa Ladd (Canada)

Community health workers improve outcomes in high-risk children with type 1 diabetes  
Abstract Presenter: Colin Patrick Hawkes (United States)

Understanding Fear of hypoglycemia as a barrier to administering recommended insulin dose using objective insulin pump data  
Abstract Presenter: Holly O'Donnell (United States)

Socio-demographic and clinical correlates of fear of hypoglycemia among parents of children with type 1 diabetes: results from an Italian survey  
Abstract Presenter: Dorina Pjetraj (Italy)

Sleep habits of a well-controlled group of youths with type 1 diabetes mellitus  
Abstract Presenter: Melina Karipidou (Greece)

The link between externalizing behavior and HbA1c in youth with type 1 diabetes is mediated by executive function: novel insights for interventions  
Abstract Presenter: Maartje de Wit (Netherlands)

Changing the conversation: addressing emotional wellbeing and mental health in adolescents living with type 1 diabetes  
Abstract Presenter: Judith Versloot (Canada)

Diabetes related knowledge and attitude towards diabetes among final-year medical students from different worldwide centers - preliminary results  
Abstract Presenter: Agata Chobot (Poland)
Oral Session
15:45 - 17:15

**Oral Session VII, Nutrition and the Gut**

**Chairs:**
Chair: Bruce King (Australia)
Chair: Francesca Annan (United Kingdom)

- **Effect of prebiotic intake on glycemic control and intestinal permeability in children with type 1 diabetes**
  Abstract Presenter: Carol Huang (Canada)
  15:45 - 15:56

- **Effect of high-dose oral probiotic intake on glycaemic control in children with type 1 diabetes mellitus: a randomised, double-blind placebo control trial**
  Abstract Presenter: Rakesh Kumar (India)
  15:56 - 16:07

- **Impact of diet on the gut microbiome and short chain fatty acids in children with and without type 1 diabetes**
  Abstract Presenter: Jessica Harbison (Australia)
  16:07 - 16:18

- **A standardized approach for management of pediatric patients with type 1 diabetes following low carbohydrate or ketogenic diets**
  Abstract Presenter: Amy Rydin (United States)
  16:18 - 16:29

- **Youth with more severe type 1 diabetes are slower to process healthiness of food**
  Abstract Presenter: Amy Seagroves (United States)
  16:29 - 16:40

- **Household food insecurity in high-risk youth with type 1 diabetes: associations with glycemic control, diabetes distress and general stress**
  Abstract Presenter: Faisal Malik (United States)
  16:40 - 16:51

- **Prevalence and sociodemographic correlates of household food insecurity in youth and young adults with diabetes: the SEARCH for diabetes in youth study**
  Abstract Presenter: Faisal Malik (United States)
  16:51 - 17:02

- **Differences in celiac disease screening rates between children, adolescents and adult type 1 diabetes patients evaluated as part of the CD-DIET study**
  Abstract Presenter: Farid Mahmud (Canada)
  17:02 - 17:13

Meetings
17:30 - 19:00

**ISPAD Annual General Meeting**
Scientific Programme

Saturday, 02 November 2019

Plenary Session
08:00 - 09:30
Grand Ballroom

Plenary Session IV, Prediction, Prevention & Interdiction of T1D

EXTEND Primary Study Results: Safety & Efficacy
Speaker: Carla Greenbaum (United States)
08:00 - 08:45

Triggers and Promoters of Beta Cell Autoimmunity - Update from TEDDY
Speaker: Marian Rewers (United States)
08:45 - 09:30

Symposium
09:45 - 11:15
Grand Ballroom

Nutrition Symposium: Controversies and Considerations

Chairs:
Chair: Heather Gilbertson (Australia)

Very Low Carb Diets in T1D
Speaker: Belinda Lennerz (United States)
09:45 - 10:15

Challenges of Low Carb Diets in T1D
Speaker: Carmel Smart (Australia)
10:15 - 10:45

CGM Helps: Trend Arrow Dosing and Bolusing for Carb Intake with Automated Insulin Delivery
Speaker: Laurie Higgins (United States)
10:45 - 11:15

Symposium
09:45 - 11:15
Constitution Ballroom

Diabetes Historical Perspectives: Yesterday, Today & Tomorrow

Chairs:
Chair: Stuart Brink (United States)

T1D Then & Now: Reflections on more than Half a Century of Life and Science
Speaker: Michael Brownlee
09:45 - 10:15

T1D Now & Later: Doing it Together (DIT) through Care, Research, Technology and Advocacy
Speaker: Rayhan Lal (United States)
10:15 - 10:45

T1D: Putting it All Together & Keeping it Together
Speaker: Karin Lange (Germany)
10:45 - 11:15
Oral Session
09:45 - 11:15
Republic Ballroom

Oral Session VIII, Diabetes Care-Health Outcomes

Chairs:
Chair: Linda DiMeglio (United States)
Chair: Joseph Wolfsdorf (United States)

Most preschool children with T1D in Sweden reach ISPAD target HbA1c 09:45 - 09:56
Abstract Presenter: Frida Sundberg (Sweden)

Identifying HbA1c trajectories in 5-9-year-olds across the recent-onset period of type 1 diabetes (T1D) 09:56 - 10:07
Abstract Presenter: Susana Patton (United States)

Glycemic control of adolescents and young adults with type 1 diabetes across Australia and New Zealand 10:07 - 10:18
Abstract Presenter: Maria Craig (Australia)

Lowering HbA1c during the first 2 years predicts a lower long-term HbA1c on a clinic level 10:18 - 10:29
Abstract Presenter: Ragnar Hanas (Sweden)

Analysis of continuous glucose monitoring data reveals vacation-associated deterioration of glycemic control in pediatric type 1 diabetes 10:29 - 10:40
Abstract Presenter: Christina M. Astley (United States)

Occurrence of hypoglycemia with fast-acting insulin aspart versus insulin aspart according to baseline HbA1c in children and adolescents with type 1 diabetes: a post hoc analysis 10:40 - 10:51
Abstract Presenter: Lori Laffel (United States)

10-year follow-up of the SWEET type 1 diabetes registry: improvement of metabolic control in all age groups 10:51 - 11:02
Abstract Presenter: Peter Gerhardsson (Germany)

Costs and outcomes of intermediate versus minimal care for youth-onset type 1 diabetes in six countries 11:02 - 11:13
Abstract Presenter: Graham Ogle (Australia)

Plenary Session
11:45 - 13:15
Grand Ballroom

Plenary Session V, JDRF Session: Closing the Loop

Chairs:
Chair: David Maahs (United States)

Advances in Human Factors Design for Closed Loop Devices 11:45 - 12:15
Speaker: Eyal Dassau (United States)

Closed Loop Studies across the Pediatric Age Range 12:15 - 12:45
Speaker: Roman Hovorka (United Kingdom)

Do-It-Yourself Approaches: We can’t wait! 12:45 - 13:15
Speaker: Brandon Arbiter (United States)
Scientific Programme

Opening & Closing Sessions
13:15 - 13:45

Closing Ceremony

Chairs:
Chair: Kim Donaghue (Australia)
Chair: Lori Laffel (United States)
Chair: Joseph Wolfsdorf (United States)