

**Wednesday, 16. October 2024***Posters*

08:30 - 18:00

ePosters on Display

**e-Posters (viewable during whole conference, no oral presentations)**

P-46                    **Mental health and glycemic control disparities among latinx adolescents with type 1 diabetes**

*Abstract Author:* Holly O'Donnell (Aurora, United States)

P-72                    **European action for the diagnosis of early non-clinical type 1 diabetes for disease interception: the EDENT1FI project**

*Abstract Author:* Jorgen Vercauteren (Leuven, Belgium)

P-120                  **Empowering minds and bodies: the impact of outreach programs on mental health and daily management in type 1 diabetes**

*Abstract Author:* Seetohul Philippe Ghanisha (Quatre Bornes, Mauritius)

P-129                  **Fear of death in adolescents with type one diabetes and their parents**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

P-137                  **Prevalence of degenerative complications in overweight and obese patients with type 1 diabetes: a morrocan single center experience**

*Abstract Author:* Hanane Latrech (Morocco)

P-194                  **Glucocorticoid-induced hyperglycemia leading to early diagnosis of type 1 diabetes (T1D) in an 8-year-old boy with non-classical autoimmune polyendocrine syndrome type 1 (APS1)**

*Abstract Author:* Ioanna Kosteria (Athens, Greece)

P-200                  **Helping teenagers with type 1 diabetes and their parents cope with the challenges of diabetes management: a delphi study**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

P-229                  **Islet autoantibody positive general population individuals have smaller pancreas volume compared to control individuals**

*Abstract Author:* Taylor Triolo (Aurora, United States)

P-230                  **Mastering Ramadan: empowering children, teens and parents with advanced hybrid closed-loop (ACHL) system for safe fasting: Qatar's experience**

P-231                  **Glycemic balance in a cohort of older adolescents and young adults with T1D followed long-term in a pediatric setting. Effect of the COVID years**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

P-232                  **Early sulphonylurea treatment improves non-verbal IQ in KCNJ11-related iDEND (developmental delay, epilepsy and neonatal diabetes)**

*Abstract Author:* Pamela Bowman (Exeter, United Kingdom)

P-233                  **School-aged children and the management of type 1 diabetes in the primary school environment: an investigation of how to support children**

*Abstract Author:* Tracey O'Neill (Dublin, Ireland)

P-234                  **Parental satisfaction and challenges in managing type 1 diabetes in school-aged children: insights from the primary school environment**

*Abstract Author:* Eleanor Hollywood (Dublin, Ireland)

P-235                  **Novel use of vildagliptin in a closed-loop system to prevent glycemic excursions of iftar meal during intermittent fasting of**

**ramadan in type 1 diabetes mellitus**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

- P-236                    **Diabetes self-management smartphone application: could it be an alternative for continuous glucose monitoring in low resource settings?**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

- P-237                    **Multiple diabetes cases and kidney Anomalies in one family**

*Abstract Author:* Ingrida Stankute (Kaunas, Lithuania)

- P-238                    **Type 1 diabetes and schooling: a challenge for continuity of care at yaounde CDiC centers, Cameroon**

*Abstract Author:* Armelle Nkamga (Yaoundé, Cameroon)

- P-249                    **Assessment of self-monitoring blood glucose(SMBG) in type 1 diabetes children & adolescents using diaries at vihiga county referral hospital(VCRH), Kenya, 2023**

*Abstract Author:* Mike Endovo (MBALE, Kenya)

- P-250                    **Motivational interviewing: a patient centered approach to improve glucose control among children and adolescents with type 1 diabetes(T1D) at vihiga county referral hospital(VCRH), Kenya (2022-2024)**

*Abstract Author:* Jerusa Oluhano (Mbale, Kenya)

- P-251                    **Determinants of glycemic control and nutritional status amongst children and adolescents with type 1 diabetes in a rural hospital in Kenya**

*Abstract Author:* Phoebe Wamalwa (Nairobi, Kenya)

- P-252                    **Diabetic retinopathy screening in Laos: an inaugural collaborative effort by the Singapore national eye centre and action4diabetes**

*Abstract Author:* Amphayvanh Manivong (Chanthabuli, Laos)

- P-253                    **Autoimmune dysthyroiditis and type 1 diabetes : exploratory study on 419 Moroccans children and adolescents**

*Abstract Author:* Asmae Touzani (Rabat, Morocco)

- P-254                    **Economic implications of diabetes care for young adults in Kenya**

*Abstract Author:* Sheila Wanjuki (Nairobi, Kenya)

- P-255                    **Comparison of different insulin regimens and their efficiency on glycated hemoglobin in monitored type 1 diabetic children as part of the CDiC côte d'ivoire project**

*Abstract Author:* Louise Odile MOKE BEDJI (ABIDJAN, Cote D'Ivoire)

- P-256                    **Ethnic disparity in HbA1c and hypoglycaemia among youth with type 1 diabetes: beyond mean blood glucose, social deprivation and access to technology**

*Abstract Author:* John Pemberton (Birmingham, United Kingdom)

- P-257                    **The co-existence of type 1 diabetes and myasthenia gravis in a 6-year-old female patient**

*Abstract Author:* Anna Woloszyn-Durkiewicz (Gdansk, Poland)

- P-258                    **Comparing the efficacy of newer analogue insulins over conventional insulins in treating children with type 1 diabetes mellitus**

*Abstract Author:* Lakshmi Deepika Relangi (Banglore, India)

- P-259                    **Severe hypertriglyceridemia with new-onset diabetes type 1 without ketoacidosis**

*Abstract Author:* Marta Bandura (Gdansk, Poland)

- P-260                    **COVID-19 infection and diabetes,type 1 diabetes or another type?**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

- P-261                    **Quality of life in type 1 diabetes: a comparative analysis of treatment modalities in a predominantly hispanic population**

*Abstract Author:* Adriana Carrillo Iregui (Miami, United States)

- P-262                    **Glucometabolic control before and after a low-glycemic index diet intervention in adults newly diagnosed with ABCC8 gene mutation**

*Abstract Author:* Francesco Maria Rosanio (Naples, Italy)

- P-263                    **Understanding needs and increasing T1D engagement (UNITE): participant perspectives from the 4t and 4t exercise study**

*Abstract Author:* Lauren E. Figg (Palo Alto, United States)

- P-264                    **Type 1 diabetes mellitus and COVID-19: glycemic control before, during and after the pandemic**

*Abstract Author:* Raquel Oliveira (Leiria, Portugal)

- P-265                    **Genetic risk scores, ancestry, and autoantibodies in children and adolescents with newly diagnosed diabetes**

*Abstract Author:* Hector Ortega (Palo Alto, United States)

- P-266                    **Carbohydrates intake in children and adolescents with type 1 diabetes mellitus and its relation with physical activity**

*Abstract Author:* Gianluca Tornese (Trieste, Italy)

- P-268                    **Mobile apps and challenges for type 1 diabetes control in children**

*Abstract Author:* Rositsa Stoycheva (Varna, Bulgaria)

- P-269                    **Effect of nutrition education intervention on glycemic control and nutritional status in children with type 1 diabetes: a randomized controlled trial**

*Abstract Author:* PRASANNA Kumar (Bengaluru, India)

- P-271                    **A rare case of digenic MODY responsive to sulfonylurea treatment: coexistence of pathogenic variants in GCK and HNF1A**

*Abstract Author:* Nilüfer Uyar (izmir, Turkey)

- P-272                    **Comparative study of type 1 diabetes in children and adolescents of spanish origin and caucasian ethnicity and moroccan origin and maghrebi ethnicity**

*Abstract Author:* M. Pilar Pérez-Segura (Madrid, Spain)

- P-273                    **Neonatal diabetes about 9 cases**

*Abstract Author:* Salma Tihamy (casablanca, Morocco)

- P-274                    **Factors associated with the presence and severity and outcome of diabetic ketoacidosis at diagnosis of type 1 diabetes in children and adolescents**

- P-275                    **The comparative study focused on HbA1c level and the numbers of consultation in type 1 diabetes children and young adult at kantha bopha children's hospital between 2019 and 2020**

*Abstract Author:* Manet Ban (Phnom Penh, Cambodia)

- P-276                    **Effect of socioeconomic factors on glycaemic control, access to technology, BMI status and interactions with healthcare in paediatric diabetes patients**

*Abstract Author:* Maria Ionescu (Peterborough, United Kingdom)

- P-277                    **Exploring the impact of laughter yoga and clapping exercises on cardiac function in obese adolescents with type 1 diabetes in rural areas of the delhi metro population**

*Abstract Author:* Sumit Rajput (New Delhi, India)

- P-278                    **Transient neonatal diabetes mellitus with an unknown cause in**

**1-month infant: a case report**

*Abstract Author:* Mateusz Tarasiewicz (Katowice, Poland)

P-279                    **It's like looking for a needle in a haystack: a case report of a retained steel insulin pump infusion set needle**

*Abstract Author:* Francesca Di Candia (Naples, Italy)

P-280                    **Health care utilisation and follow-up data of youth with type 1 diabetes after transition to adult care**

*Abstract Author:* Uğur Cem YILMAZ (IZMIR, Turkey)

P-281                    **Lifestyle modification knowledge among parents of children with diabetes in Lagos University Teaching Hospital Lagos**

*Abstract Author:* Tukur Bello (Zaria, Nigeria)

P-282                    **A case study of hyperglycemia management in neonate**

*Abstract Author:* Ramouy Dy (Phnom Penh, Cambodia)

P-283                    **Self-managed insulin injections and its association with lipohypertrophy, pain, and glycemic results in pediatric type 1 diabetes**

*Abstract Author:* Tiago Jeronimo dos Santos (Almeria, Spain)

P-284                    **Evaluating the impact of introducing basaglar, a long-acting analog insulin, on quality-of-life outcomes in youth with diabetes in Bangladesh**

*Abstract Author:* Farhana Ahmed (Dhaka, Bangladesh)

P-285                    **Poverty-proofing the first health care service that led to a whole-region approach to reduce impact of poverty on accessing paediatric diabetes care**

*Abstract Author:* Judith Reid (Gateshead, United Kingdom)

P-286                    **Audit of management of diabetic ketoacidosis in children and young people at the noah's ark children's hospital for wales**

*Abstract Author:* Alicia Frame (Cardiff, United Kingdom)

P-287                    **Depressive symptoms in adolescents with and without polycystic ovary syndrome living with obesity: a prospective, observational study**

*Abstract Author:* Reem Hassan Beck (Abu Dhabi, United Arab Emirates)

P-288                    **Utilising technology to provide preclinical care for an infant with suspected (and later confirmed) INS mutation**

*Abstract Author:* Sarah Black (Nedlands, Australia)

P-289                    **Healthcare resource utilization in newly diagnosed children with type 1 diabetes in us clinical practice**

*Abstract Author:* Laura Wilson (Bridgewater, United States)

P-290                    **Real-world experience of hybrid closed loop (HCL) system in children and adolescents in a uk diabetes centre**

*Abstract Author:* Stephen Greene (London, United Kingdom)

P-291                    **Patterns and determinants of serum amylase, lipase concentrations in Indian adolescents and youth with type 1 diabetes (T1D)**

*Abstract Author:* Nimisha Dange (Pune, India)

P-292                    **Screening for pancreatic autoantibodies among the first-degree relatives of children and adolescents with type 1 diabetes**

*Abstract Author:* Rakesh Kumar (Chandigarh, India)

P-293                    **Nutritional status of the children with newly diagnosed type 1 diabetes**

*Abstract Author:* Vera Zdravkovic (Belgrade, Serbia)

- P-294                    **Developing a scalable intervention for recognizing signs of diabetes in children at school**  
*Abstract Author:* Rayzel Shulman (Toronto, Canada)
- P-295                    **Assessment of derangements in glucose metabolism in children with transfusion dependent thalassemia: cross sectional analytical study from India**
- P-297                    **Improving rates of physical activity education for youth with type 1 diabetes (T1DM) in a pediatric diabetes clinic**  
*Abstract Author:* Nicole Coles (Toronto, Canada)
- P-298                    **Exploring risk factors for long-term renal complications in type 1 diabetes: a case control study**  
*Abstract Author:* Joana Serra-Caetano (Coimbra, Portugal)
- P-299                    **Is glucose control and quality of life improving with use of a hybrid closed loop system? Evidence in real life**  
*Abstract Author:* Marisa Clemente (Wrexham, United Kingdom)
- P-300                    **Stable glycemic control but increased insulin requirements in children and adolescents with type 1 diabetes before and after diagnosis of celiac disease**  
*Abstract Author:* Marie-Anne Burckhardt (Basel, Switzerland)
- P-301                    **Misdiagnosis of type 1 diabetes and multiple sclerosis: a case of wolfram syndrome**  
*Abstract Author:* Orit Pinhas-Hamiel (Raanana, Israel)
- P-303                    **Aspect of diabetic ketone acidosis on type 1 diabetes mellitus patients at Cambodia-Korea diabetes center(CKDC) in 2023**  
*Abstract Author:* MEN PANHA (Phnom Penh, Cambodia)
- P-304                    **Factors affecting linear growth and growth velocity among Indian children and adolescents with type-1 diabetes: a longitudinal study**  
*Abstract Author:* Chirantap Oza (Pune, India)
- P-305                    **A follow up of an extremely obese girl with diabetes mellitus and pituitary hyperplasia due to severe primary hypothyroidism, mimicking pituitary macroadenoma**  
*Abstract Author:* Aleksandra Janchevska (Skopje, North Macedonia)
- P-306                    **Characterization of oral microbiota and cytokines in children and adolescents with type 1 diabetes**  
*Abstract Author:* Eulalia Catamo (Trieste, Italy)
- P-308                    **A case report: difficulties in the diagnostic process in mitochondrial diabetes**  
*Abstract Author:* Gözde Gürpınar (Kocaeli, Turkey)
- P-309                    **Does automated insulin delivery improve time in range and reduce glucose variability in children < 7 years with type 1 diabetes**  
*Abstract Author:* Nuala Harkin (Sydney, Australia)
- P-310                    **Addressing health inequalities in access to activity for children and young people with type 1 diabetes: a combined community/health approach**  
*Abstract Author:* Elizabeth Procter (Nottingham, United Kingdom)
- P-312                    **Impact of closed-loop systems in metabolic control and quality of life in pediatric patients with type 1 diabetes**  
*Abstract Author:* Nerea Itza Martín (Madrid, Spain)
- P-313                    **Effectiveness of aHCL systems in controlling glycemic levels after a high-fat meal in youths with type 1 diabetes**  
*Abstract Author:* Sara Vandelli (Modena, Italy)

- P-314                    **Glycemic control in preschool children with type 1 diabetes treated with the advanced hybrid closed loop system remains stable - 2-years prospective, observational, two-center study**  
*Abstract Author:* Sebastian Seget (Katowice, Poland)
- P-315                    **Unravelling the contribution of MODY genes in type 1 diabetes susceptibility through a polygenic approach**  
*Abstract Author:* Antonietta Robino (Trieste, Italy)
- P-316                    **Introduction of oral health module to structured diabetes education - pilot program in silesian regional children's diabetes centre, Poland**  
*Abstract Author:* Anna Tkacz (Katowice, Poland)
- P-317                    **The unintentional misuse of glargine and degludec insulins with AID system (CamAPS) and aHCL MedTronic 780g pump in a 3.5 and 9 year-old children with T1D - 2 case reports**  
*Abstract Author:* Magdalena Małachowska (Warsaw, Poland)
- P-318                    **Characteristics of hospitalized adult patients with type 1 diabetes in a tertiary diabetes center**  
*Abstract Author:* Videm CHEA (Phnom Penh, Cambodia)
- P-319                    **Effect of diabetes camp on glycemic control, diet-related behaviors, and diabetes knowledge among patients with type 1 diabetes attending the diabetes camp**  
*Abstract Author:* Jeerunda Santiprabhob (Bangkok, Thailand)
- P-320                    **Exploring hla genotype variations in type 1 diabetes: implications for precision medicine and immunotherapy response**  
*Abstract Author:* Johnny Ludvigsson (Linköping, Sweden)
- P-321                    **Children with type 1 diabetes who have obesity show differences in their immune phenotype compared to lean children with type 1 diabetes**  
*Abstract Author:* Eadaoin Hayes (Dublin, Ireland)
- P-322                    **Cataracts in a 17-year-old female: unveiling undiagnosed type 1 diabetes through ocular manifestations**  
*Abstract Author:* Sara Ribeiro (Porto, Portugal)
- P-323                    **Dynamic cognitive function and glucose fluctuations in the daily lives of youth with type 1 diabetes (T1D): a pilot and feasibility study**  
*Abstract Author:* Mary Katherine Ray (St. Louis, United States)
- P-324                    **Challenges of treating complicated diabetic ketoacidosis**  
*Abstract Author:* Selen Hürmüzlü Kızler (Kocaeli, Turkey)
- P-325                    **Giving the child with diabetes, aged 4-12 years, a clear voice and involvement in own treatment. We present our first prokidsdia-project data on patient reported outcomes (PROMS)**  
*Abstract Author:* Mette Madsen (Aalborg, Denmark)
- P-326                    **Assessing mait cell frequency in children with type 1 diabetes who also have obesity**  
*Abstract Author:* Eadaoin Hayes (Dublin, Ireland)
- P-327                    **Empowering type 1 diabetes self-management: the impact of DREAMS practicals**  
*Abstract Author:* Jothydev Kesavadev (Thiruvananthapuram, India)
- P-328                    **Type 1 diabetes in India: towards a strategy to transition to sustainability of programmes supported by CDiC in India**
- P-329                    **The impact of using advanced hybrid close loop system on the**

**sleep quality among caregivers of children with type 1 diabetes***Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)**P-330 Euglycemic diabetic ketoacidosis in preschool children with type 1 diabetes mellitus using advanced hybrid closed loop system***Abstract Author:* Gianluca Tornese (Trieste, Italy)**P-331 Next-generation diabetes technology and sulfonylurea use in neonatal diabetes***Abstract Author:* Gizem Boke Kocer (Kocaeli, Turkey)**P-332 Evaluation for ramadan fasting preparedness in children and adolescents with type 1 diabetes: an experience from Indonesia***Abstract Author:* Ghaisani Fadiana (Indonesia)**P-333 Correlation between self-monitoring of blood glucose using Indonesia pediatric mobile application and HbA1c levels in type 1 diabetes patients***Abstract Author:* Muhammad Faizi (Indonesia)**P-334 Cross-sectional and longitudinal relations between parent and child diabetes distress and child HbA1c***Abstract Author:* Susana Patton (Jacksonville, United States)**P-335 Identifying current challenges in pediatric type 1 diabetes diagnosis and management in Indonesia: a report of a health needs assessment conducted in diabetes camps***Abstract Author:* Ghaisani Fadiana (Indonesia)**P-336 Impact of using hybrid closed loop (HCL) systems in a tertiary children's hospital: real world experience****P-337 Case study of a child patient with neuropathy complication in type 1 diabetes: medical history and symptoms development***Abstract Author:* Ghaisani Fadiana (Indonesia)**P-338 Depressive symptoms, screen time, physical activity, and family meals for adolescents with type 1 diabetes***Abstract Author:* Julie Gettings (Philadelphia, United States)**P-339 A follow-up on of the randomized, placebo-controlled, clinical trial DIAPREV-IT evaluating the effect of GAD-Alum on the progression to type 1 diabetes in children with multiple islet cell autoantibodies***Abstract Author:* Helena Elding Larsson (Malmö, Sweden)**P-340 Knowledge of hyperglycemia in people living with type 1 diabetes through tele-education: a follow-up study***Abstract Author:* Sana Ajmal (Pakistan)**P-341 Failure of CSII therapy in maintenance of glycemic targets in a child with T1 diabetes on steroid treatment***Abstract Author:* Peesay Mohana (Bangalore, India)**P-342 Integrated care process (ICP) in the inaugural episode of type 1 diabetes mellitus (T1DM) in children and adolescents***Abstract Author:* Mariana Sousa Santos (Leiria, Portugal)**P-344 The broad health, social, and economic burden of type 1 diabetes: a value taxonomy***Abstract Author:* Faith Ross (Boston, United States)**P-345 Effect of closed-loop insulin delivery system on glycemic control in an adolescent with type 1 diabetes****P-346 Rare combination of diabetic ketoacidosis and hyperosmolar hyperglycemic syndrome in type 1 diabetes - a case report**

*Abstract Author:* Jantje Weiskorn (Hannover, Germany)

P-347                    **Diabetic children's blood glycemic self-monitoring journal, is it reliable?**

P-348                    **Type 1 diabetes management and hypoglycaemia-related anxiety in competitive athlete: a case study**

*Abstract Author:* Dania Mughal (Grimsby, United Kingdom)

P-349                    **A case of neonatal diabetes from Kazakhstan**

*Abstract Author:* Marzhan Rakhimzhanova (Astana, Kazakhstan)

P-350                    **Artificial pancreas has huge impact on glycaemic parameters in children with T1D in the western world- what is next?**

*Abstract Author:* Arundoss Gangadharan (Bangor, Gwynedd, United Kingdom)

P-351                    **Variable expressivity of the KCNJ 11 gene mutation in a family with diabetes mellitus**

P-352                    **More informed school, more controlled diabetes**

*Abstract Author:* Jorge A. Ferreira (Porto, Portugal)

P-353                    **Abnormal glucose tolerance in children with Cystic fibrosis - a single centre study**

*Abstract Author:* Milica Jakovljevic (Nis, Serbia)

P-354                    **Mauriac syndrome, a rare complication of T1DM**

*Abstract Author:* Marzhan Rakhimzhanova (Astana, Kazakhstan)

P-355                    **Family ties. Journey of wolfram syndrome in siblings and cousin from Imic**

*Abstract Author:* Versharani Rai (Karachi, Pakistan)

P-356                    **Accessing technology and challenges of technology use in school in children with type 1 diabetes mellitus (T1DM)**

*Abstract Author:* Gizem Gür Aykut (41100, Turkey)

P-357                    **Factors associated with ketoacidosis at diagnosis of type 1 diabetes in children and adolescents**

P-358                    **Statural growth in type 1 diabetic children**

P-359                    **Uncontrolled type 1 diabetes mellitus and lipodystrophy**

P-360                    **Improving type 1 diabetes care access through an innovative school-based mobile clinic**

*Abstract Author:* Melanie Bryan (St. Louis, United States)

P-361                    **Feasibility, acceptability, and impact of a type 1 diabetes education curriculum for school nurses**

P-362                    **Predictors of glucose control in children and adolescents with type 1 diabetes**

P-363                    **T1D glycaemic control in immigrant and portuguese youth**

*Abstract Author:* Júlia Galhardo (Lisboa, Portugal)

P-364                    **Development and evaluation of gamellito audiovisual production with children with T1D in the COVID 19 pandemic**

*Abstract Author:* Vania Vargas (Londrina, Brazil)

P-365                    **Sustained improvement of glycemic control in children and adolescents with type 1 diabetes mellitus, 12 months after transitioning from multiple daily injections (MDI) to advanced hybrid closed loop (aHCL), without significant change inBMI-SDS**

*Abstract Author:* Ioannis-Anargyros Vasilakis (Athens, Greece)



- P-366                    **Integrating depression screening in type1diabetes health care: lessons from rural India**  
*Abstract Author:* Archana Sarda (Aurangabad, India)
- P-367                    **A thematic analysis of factors responsible for complacency in type1diabetes self-care in low resource settings in rural India**  
*Abstract Author:* Archana Sarda (Aurangabad, India)
- P-368                    **Initial steps in studying diabetes type in youngpeople at bach maihospital**  
*Abstract Author:* Thi Kim Hoan Nguyen (Ha Noi, Vietnam)
- P-369                    **The role of technology to improve glucose control of migrant children with type 1 diabetes**  
*Abstract Author:* Giulio Frontino (Milano, Italy)
- P-370                    **Improved glucose control by implementing an advanced hybrid closed-loop system in non-compliant adolescents with type 1 diabetes**  
*Abstract Author:* Andrea Rigamonti (Milano, Italy)
- P-371                    **Sushi and pizza in type 1 diabetes: just do it**  
*Abstract Author:* Cecilia Nobili (Torino, Italy)
- P-372                    **JENIOus-CwD diabetes in schools research project: a survey from diabetes study group in Italy on the management of type 1 diabetes in children and adolescents in schools**  
*Abstract Author:* Davide Tinti (Turin, Italy)
- P-373                    **Providing education on visual impairment and the importance of retinopathy screening and process for children and young people**
- P-374                    **Habits and safety issues concerning alcohol consumption and gaps in diabetes education in young people with type 1 diabetes - preliminary findings of T1Drink study**  
*Abstract Author:* Arkadiusz Michalak (Lodz, Poland)
- P-375                    **How to use the MY-Q as a screening tool for psychosocial problems in adolescents with type 1 diabetes?**  
*Abstract Author:* Rian Bierlaagh (Den Helder, Netherlands)
- P-376                    **CFD annual screening in patients with CF**  
*Abstract Author:* Louise Crawley (Liverpool, United Kingdom)
- P-377                    **Glycemic variability in type 1 diabetics treated with human insulin vs analog insulin in youth with type 1 diabetes in Bangladesh**  
*Abstract Author:* Bedowra Zabeen (Dhaka, Bangladesh)
- P-378                    **Clinical profile of type 1 diabetes at the time of diagnosis: a hospital based longitudinal study over a period of ten years**  
*Abstract Author:* Subhana Karki (Kathmandu, Nepal)
- P-379                    **Switch to an automated insulin delivery system: impact on metabolic control and satisfaction with treatment modality**  
*Abstract Author:* Marta Ferrer-Lozano (Zaragoza, Spain)
- P-380                    **Maturity-onset diabetes of the young ( MODY ) : early recognition is key**  
*Abstract Author:* Kavitha Tharian (Hull, United Kingdom)
- P-381                    **Frequency of diabetic retinopathy and its association with HbA1c in children and adolescent with type I diabetes mellitus**
- P-382                    **Clinical and biochemical feature of diabetes from the hospital baseline data registry of young people with diabetes in BADAS PDRC, BIRDEM in Bangladesh**

*Abstract Author:* Bulbul Ahmed (Dhaka, Bangladesh)

P-383 **Verdi: see children's diabetic retinopathy**

*Abstract Author:* FLORENCIA GRABOIS (Neuquen, Argentina)

P-384 **Clinical profile of children with diabetes mellitus type 1 (T1DM) seen in a state-run tertiary end-referral medical center department of pediatrics in cebu, Philippines from january 2015- january 2020**

P-385 **Diabetes education, empowerment and advocacy in a limited-resources setting: are we following the right track?**

*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)

P-386 **New international recommendations for monitoring type 1 diabetes (T1D) - are European laboratories prepared for it? The experience of a polish tertiary reference hospital**

*Abstract Author:* Marek Witkowski (Warsaw, Poland)

P-387 **Features of the immune system in children with primary diabetes mellitus type 1**

*Abstract Author:* Gunduz Ahmadov Ahmad (Baku, Azerbaijan)

P-388 **Severe pediatric hypoglycemia - caregivers knowledge and attitudes**

*Abstract Author:* Ana Duarte (Lisbon, Portugal)

P-389 **Clinical phenotype of two sisters affected by generalized congenital lipodystrophy (berardinelli-seip syndrome) type 1 (bscl1): a case report**

*Abstract Author:* Valentina Mancioppi (Verona, Italy)

P-390 **Illustrating the division of labor between parents of children with type 1 diabetes: development of a dialogue tool and preliminary results**

*Abstract Author:* Maria Athena Campbell (Herlev, Denmark)

P-391 **SLC29A3 spectrum disorder in a Libyan girl with antibody negative autoimmune disease**

P-392 **Rapid improvement of glycemic control in adolescent with type 2 diabetes (T2D) after treatment with a SGLT2i inhibitor: a case report**

*Abstract Author:* Erica Pozzi (Novara, Italy)

P-393 **Type 1 diabetes in children - a diagnostic problem in the primary care setting**

*Abstract Author:* Natasha Yaneva (Sofia, Bulgaria)

P-394 **Hybrid diabetes mellitus: MODY 5 and type 1 in an adolescent in kinshasa. Diagnosis difficulty in an under-equipped environment**

*Abstract Author:* Ikomba Bukatuka Gloria (Lubumbashi, Congo (Democratic Republic))

P-395 **Glycemic control and adherence to mediterranean diet in African and Italian youths with type 1 diabetes: a cross-sectional observational multicenter study in Emilia-Romagna region (Italy)**

*Abstract Author:* Barbara Predieri (Modena, Italy)

P-396 **Knowledge, attitudes and practices of primary school teachers on childhood diabetes in the city of yaounde-cameroon epidemiological and clinical aspects of diabetic ketoacidosis at the emergency department of angre university hospital center, medical pediatric in Abidjan**

*Abstract Author:* Adele Bodieu Chetcha (Yaounde, Cameroon)

P-397 **Awareness and prevention of type 1 and type 2 diabetic complications among patients in asokoro district hospital, Abuja**

*Abstract Author:* Tukur Bello (Zaria, Nigeria)

- P-398                    **Single centre experience on the use of the automated insulin delivery system**  
*Abstract Author:* Angela Sun (Aberdeen, United Kingdom)
- P-399                    **Metformin use in rabson-mendenhall syndrome: a case report and treatment considerations**  
*Abstract Author:* Sanae EL MOUDDEN (FES, Morocco)
- P-400                    **National and regional trends in diabetic ketoacidosis at type 1 diabetes diagnosis over a 10-year period**  
*Abstract Author:* Edna Roche (Dublin, Ireland)
- P-401                    **Factors associated with the use of traditherapy for diabetes among children and young people followed-up in the CDiC Guinea program**
- P-402                    **Access to treatment of diabetes mellitus type 1 in latin American children**  
*Abstract Author:* Francisca Riera (Santiago, Chile)
- P-403                    **The hybrid closed loop (HCL) system with data sharing through a cloud-based platform - an influencer of users' acceptability of a mixed service delivery model that incorporates virtual and face-to-face (f2f) consultation in transition diabetes clinic - a rural lincolnshire experience**  
*Abstract Author:* Antima Banerjee (Coventry, United Kingdom)
- P-404                    **Neonatal diabetes mellitus: clinical case in center of the hospital sacre-coeur, Haiti**
- P-405                    **Re emergence of a rare syndrome- clinical profile and biochemical parameters of mauriac syndrome in a tertiary pediatric endocrinology unit in south India**  
*Abstract Author:* Sukrutha Surandran (Bangalore, India)
- P-406                    **Therapeutic approaches in glucocorticoid-induced diabetes mellitus in children**
- P-407                    **What impact does functional insulin therapy have on quality of life and the progression of diabetes?**  
*Abstract Author:* Halima Zerguine (Batna, Algeria)
- P-408                    **Type I diabetes and associated autoimmune diseases; what clinical and progressive features?**  
*Abstract Author:* Halima Zerguine (Batna, Algeria)
- P-409                    **Childhood diabetes: a two-year epidemiological study (2022-2023) at Batna university hospital (Algeria)**  
*Abstract Author:* Halima Zerguine (Batna, Algeria)
- P-410                    **Diabetes in pre-school children, diagnostic and therapeutic features**  
*Abstract Author:* Halima Zerguine (Batna, Algeria)
- P-411                    **Prevalence of vitamin D deficiency in new diabetics in the Batna paediatric ward (Algeria)**  
*Abstract Author:* Halima Zerguine (Batna, Algeria)
- P-412                    **A muslim girl with a berardinelli seip syndrome**  
*Abstract Author:* Ayesha Abdul Razzaq (Islamabad, Pakistan)
- P-414                    **Glycemic control in pediatric patients of a level ii hospital - life before and after closed loop system**  
*Abstract Author:* Joana Almeida Monteiro (Viseu, Portugal)
- P-415                    **Deaths review in a pediatric diabetology service in Cameroon**  
*Abstract Author:* Marguerite EDONGUE HIKA (Yaounde, Cameroon)

- P-416                    **Bone health index shows impaired bone mineral density in children with type 1 diabetes in Hong Kong**  
*Abstract Author:* Sarah WY Poon (Hong Kong, Hong Kong)
- P-417                    **New-onset type 1 diabetes in children before, during and after the COVID19 pandemic: were there any significant changes?**  
*Abstract Author:* Sara Martins (Alcabideche, Portugal)
- P-418                    **Assessment of continuous glucose monitoring user experience in pediatric inpatient diabetes management**  
*Abstract Author:* Ming Yeh Lee (Palo Alto, United States)
- P-419                    **Early onset of diabetes in Cameroon: challenges of comprehensive care**  
*Abstract Author:* Suzanne Sap (Yaounde, Cameroon)
- P-420                    **Glycemic control and associated factors in children and adolescents with diabetes at a tertiary hospital, Addis Ababa, Ethiopia**  
*Abstract Author:* yeshiwas sewagegn (Addis Ababa, Ethiopia)
- P-421                    **Case report of two Ethiopian infants with neonatal diabetes successfully treated with oral hypoglycemic drugs from a tertiary hospital in Addis Ababa**
- P-422                    **Changes in insurance policy help to increase continuous glucose monitoring (CGM) use in youth with type 2 diabetes (T2D)**  
*Abstract Author:* Nancy Chang (Los Angeles, United States)
- P-423                    **Young adults with type 1 diabetes: prevalence of, and associations with, atypical complications**  
*Abstract Author:* Lindsay Sawatsky (Winnipeg, Canada)
- P-424                    **Does insulin BOLus delivery speed influence insulin absorption and action? Comparing a standard and quick insulin BOLus by a euglycemic clamp study**  
*Abstract Author:* Laura Nally (New Haven, United States)
- P-425                    **Therapeutic compliance in a context of subsidizing care for diabetic children in Cameroon**  
*Abstract Author:* Hélène KAMO SELANGAI (Garoua, Cameroon)
- P-426                    **Navigating dual challenges: a qualitative study of adolescents and caregivers perceptions in managing type 1 diabetes and neurodiversity**  
*Abstract Author:* Michelle Quinn (Ormskirk, United Kingdom)
- P-427                    **Permanent neonatal diabetes in resources limited setting**  
*Abstract Author:* Mya Sandar Thein (Yangon, Myanmar)
- P-428                    **The effect of residual insulin secretion on glycaemic control among young patients with type 1 diabetes in Cameroon**  
*Abstract Author:* Mesmin Dehayem Yefou (Yaoundé, Cameroon)
- P-429                    **Real-life experience of liraglutide treatment and weight control in obese adolescents: a preliminary study supported by psychoanalysis**
- P-430                    **Sexuality of adolescents with type 1 diabetes in comparison with their healthy peers**  
*Abstract Author:* Kyriaki Karavanaki (Athens, Ampelokipi, Greece)
- P-431                    **Society's perception of young persons living with diabetes**  
*Abstract Author:* Joseph Mburu (Thika, Kenya)
- P-432                    **Setting up a national type 1 diabetes register in Cameroon: steps and considerations**  
*Abstract Author:* Oumarou HAOUA FARIDA (Yaoundé, Cameroon)

- P-434                    **How digital health and artificial intelligence applications impact the management of diabetes**  
*Abstract Author:* JOY NYANGENA (NAIROBI, Kenya)
- P-433                    **Comparison of metabolic control in children and adolescents treated with personal insulin pumps**  
*Abstract Author:* Agnieszka Lejk (Gdańsk, Poland)
- P-435                    **Infant with hyperglycemia: a clear case of neonatal diabetes?**  
*Abstract Author:* Alexander Michel (Vienna, Austria)
- P-436                    **No child should die from diabetes - changing diabetes in children CDiC in Sudan**  
*Abstract Author:* Asmahan T Abdalla (KHARTOUM, Sudan)
- P-437                    **Issues facing a single mother with multiple diabetic children- case report**  
*Abstract Author:* Tawfik Muammar (Abu Dhabi, United Arab Emirates)
- P-438                    **Prevalence of diabetic nephropathy using urine albumin-creatinine ratio and estimated glomerular filtration rate among children and adolescents with type 1 diabetes in Dakar**  
*Abstract Author:* Babacar Niang (Dakar, Senegal)
- P-439                    **Coeliac disease screening in type 1 diabetes mellitus -should national screening guidance be re-evaluated ? Insights from a university teaching hospital in the UK**  
*Abstract Author:* Kavitha Tharian (Hull, United Kingdom)
- P-440                    **Glycemic and psychosocial outcomes with automated insulin delivery system use in adolescents and young adults with type 1 diabetes over 12 months**  
*Abstract Author:* Cari Berget (Aurora, United States)
- P-441                    **Mortality among children and young adults with type 1 diabetes mellitus in Ghana, a ten year review**
- P-442                    **A survey on the uptake and progress of diabetes treatment technology in paediatric diabetes units of northwest region United Kingdom**  
*Abstract Author:* Satish Hulikere (Warrington, United Kingdom)
- P-443                    **Implementation of quality of life screening to help triage referrals for youth with obesity and prediabetes**  
*Abstract Author:* Jason Warner (Markham, Canada)
- P-444                    **Lifestyle strategies for nutrition and exercise in diabetes management**  
*Abstract Author:* MARVIN KIMANI (NAIROBI, Kenya)
- P-445                    **Stigma experienced by adolescents with type 1 diabetes: a systematic review and meta-synthesis**
- P-446                    **Impact of 24/7 helplines on type 1 diabetes care delivery in low resource setting in rural India**  
*Abstract Author:* Archana Sarda (Aurangabad, India)
- P-447                    **Hyperuricemia in Indian children with normal BMI**  
*Abstract Author:* Ishmeet Kaur Jaggi (Delhi, India)
- P-448                    **Investigating serum interleukin-6 and Oncostatin-M levels in patients with type 1 diabetes mellitus and its relationship with glycemic indexes compared with the control group**  
*Abstract Author:* Mona Nourbakhsh (Tehran, Iran)
- P-450                    **Understanding the connection between Cystic fibrosis-related**

**diabetes and bone disease**

*Abstract Author:* Mert Uçar (Istanbul, Turkey)

- P-451                    **Increased access to diabetes treatment technology across paediatric diabetes units in England and Wales and its impact on median HbA1c - an observational study**

*Abstract Author:* Satish Hulikere (Warrington, United Kingdom)

- P-452                    **No difference in thyroid or celiac disease prevalence in children with antibody positive and negative type 1 diabetes**

*Abstract Author:* Robert Hoffman (Columbus, United States)

- P-453                    **Identification of learning keypoint needs in medical science students for the design of an erasmus<sup>+</sup> blended intensive program on diabetes**

*Abstract Author:* Tiago Jeronimo dos Santos (Almeria, Spain)

- P-454                    **A case report: hyperglycemic hyperosmolar syndrome in an infant with neonatal diabetes mellitus**

*Abstract Author:* Nguyen Thi Thu Ngan (Ho Chi Minh, Vietnam)

- P-455                    **Insulin Glargine U300 experiences in children diagnosed with type 1 diabetes: early results**

*Abstract Author:* Elif Gokce Basa (Izmir, Turkey)

- P-456                    **Good clinic and family experience of hybrid closed loop systems in a northern English town**

*Abstract Author:* Jonathan Mark Robinson (Wigan, United Kingdom)

- P-457                    **Comparative accuracy of glycemic parameters in identifying dysglycemia in obese Indian children and adolescents**

- P-458                    **Incidence of type 1 diabetes in lombardy and COVID-19 vaccination coverage**

*Abstract Author:* Camilla Valsecchi (Milano, Italy)

- P-459                    **Prevalence of obesity and associated comorbidities in children with type 1 diabetes in a single tertiary centre in Hong Kong**

*Abstract Author:* Kit Yee Wong (Hong Kong, Hong Kong)

- P-460                    **Autoimmune diseases associated with type 1 diabetes in children and adolescents from a tertiary care centre in south India**

*Abstract Author:* VEDITHA G (Bengaluru, India)

- P-461                    **Reduced meal BOLD using burden and improved sleep for caregivers during pediatric use of advanced hybrid closed-loop (aHCL) system with ultra-rapid insulin lispro-aabc**

*Abstract Author:* Jennifer J. McVean (Northridge, United States)

- P-462                    **Impact of a personalized digital intervention on the wellbeing of caregivers of children with type 1 diabetes and diabetes management**

*Abstract Author:* Luis Fernandez-Luque (Santa Cruz, United States)

- P-463                    **Pediatric safety and glycemic outcomes using the advanced hybrid closed-loop (aHCL) system with ultra-rapid insulin lispro-aabc**

*Abstract Author:* Gregory Forlenza (Aurora, United States)

- P-464                    **Hispidulin is an insulin secretagogue targeting the AKAP9-mediated PKA signaling pathway**

*Abstract Author:* Abdul Hameed (Karachi, Pakistan)

- P-465                    **Perspectives of clinic and school-based healthcare providers for a program using specialized community health workers (CHW) for underserved youth with type 1 diabetes (T1D)**

*Abstract Author:* Charlotte Chen (Bronx, United States)

- P-466                    **Effect of new therapeutic program (adodiab-1) on the self-care skills of adolescents living with type 1 diabetes**  
*Abstract Author:* Adele Bodieu Chetcha (Yaounde, Cameroon)
- P-467                    **Type 2 diabetes diagnosed under 10 years of age: are there unique characteristics?**  
*Abstract Author:* Lindsay Sawatsky (Winnipeg, Canada)
- P-468                    **Impact of low carbohydrate diet among teenagers in management of type 1 diabetes attending CDiC clinic \_the study aim to determine the effect of a low carbohydrate diet and standard carbohydrate counting on glycemic control, glucose excursions and daily insulin use compared with standard carbohydrate**  
*Abstract Author:* ANTONY OMONDI OUMA (NAIROBI, Kenya)
- P-469                    **Hybrid closed loop therapy in an infant with postnatal onset of insulin dependent mitochondrial diabetes due to pearson syndrome**
- P-470                    **Enhancing the diagnosis and care of type 1 diabetes mellitus in children and adolescents through training of paediatric endocrinologists and the multidisciplinary teams in Kenya**  
*Abstract Author:* Rosemary Kihoto (Nairobi, Kenya, Kenya)
- P-471                    **Comprehensive epidemiological analysis of type 1 diabetes mellitus: a single-center study from south-central India**  
*Abstract Author:* Vijay Sheker Reddy Danda (Hyderabad, India)
- P-472                    **Participatory research to understand the needs of diverse latinx families of children with type 1 diabetes and obesity**  
*Abstract Author:* Luis Fernandez-Luque (Santa Cruz, United States)
- P-473                    **Impact of tele-health on glycemic control in a child with type 1 diabetes in a remote area: a case report**  
*Abstract Author:* Myint Nilar (Taunggyi, Myanmar)
- P-474                    **Importance of molecular genetic testing to identify novel disease-causing mutations - first case report of pax4 gene mutation from Georgia**  
*Abstract Author:* Mariam Oniani (Tbilisi, Georgia)
- P-475                    **A severe emergency: hyperosmolar hyperglycemic state as an initial manifestation of type ii diabetes mellitus in adolescents**  
*Abstract Author:* Tomas Gombala (Vienna, Austria)
- P-476                    **Increased incidence rate of type 1 diabetes in children under 18 years of age and differences in phenotype during the COVID-19 pandemic in Sweden**  
*Abstract Author:* Elsa Palmkvist (Lund, Sweden)
- P-477                    **Glycemic control in youth diagnosed with diabetes mellitus (DM) during the COVID pandemic: reason for concern**  
*Abstract Author:* Uma Muzumdar (Pittsburgh, United States)
- P-478                    **Five-year evaluation of the use of accucheck-spirit combo in T1D children and adolescents treated in a specialized outpatient clinic in the public health care system in Brazil**  
*Abstract Author:* Beatriz Semer (São Paulo, Brazil)
- P-479                    **Transition between pediatric and adult diabetes healthcare services: an online global survey of experiences and perceptions of young people with diabetes and their carers**  
*Abstract Author:* Laura Cudizio (São Paulo, Brazil)
- P-480                    **Glycaemic control of children and adolescents in the United Arab Emirates with type 1 diabetes: a narrative review**  
*Abstract Author:* Sara Adhami (Petrie, Australia)

- P-481                    **Prevalence of insulin resistance, contributing factors and its association with metabolic profile in children with type 1 diabetes**  
*Abstract Author:* Sukrutha Surandran (Bangalore, India)
- P-482                    **Asymptomatic diabetes among secondary school adolescents**  
*Abstract Author:* Linda Nwokeji-Onwe (Abakaliki, Nigeria)
- P-483                    **Diabetic ketoacidosis as the initial presentation in newly diagnosed type 1 diabetes mellitus: a single center retrospective analysis from south central India**  
*Abstract Author:* Vijay Sheker Reddy Danda (Hyderabad, India)
- P-484                    **Addressing equity in type 1 diabetes services in the Philippines: a multisectoral, inclusive development approach**  
*Abstract Author:* Danwell Esperas (Brgy.43-A, Philippines)
- P-485                    **Diabetes mellitus in a boy with kearns sayre syndrome**  
*Abstract Author:* Teresa Wolniewicz (Warsaw, Poland)
- P-486                    **Demographic, clinical, and psychosocial predictors of diabetes self-management trajectories over 9-years in adolescents with type 1 diabetes**  
*Abstract Author:* Alan Delamater (Miami, United States)
- P-487                    **Exploring MODY phenotypes worldwide in the SWEET database**  
*Abstract Author:* Lily Deng (Cincinnati, United States)
- P-488                    **Pathways for type1 diabetes care in Tanzania: a qualitative study**  
*Abstract Author:* Manar Marzouk (London, United Kingdom)
- P-489                    **Progression of diabetes in a patient with a de novo tnfaip3 mutation**  
*Abstract Author:* Athanasia Bouliari (NY, United States)
- P-490                    **Comparative evaluation of HbA1c before and after introduction of hybrid closed loop (HCL) systems in paediatric diabetic patients at doncaster royal infirmary (DRI), UK**  
*Abstract Author:* Hany Alsayed (Doncaster, United Kingdom)
- P-491                    **Prevalence of type 1 diabetes (T1D) among siblings of index cases attending tertiary care setting**  
*Abstract Author:* santhosh oley (Bengaluru, India)
- P-492                    **Extending the treatment limits for T1D and obesity in adolescents - case presentation**  
*Abstract Author:* Auste Pundziute Lyckå (Borås, Sweden)
- P-493                    **Approaches of pediatric diabetes team members regarding the treatment, monitoring and supporting children with type 1 diabetes in Turkey**  
*Abstract Author:* Gul Yesiltepe Mutlu (Turkey)
- P-494                    **Effect of age, period, and birth cohort on diabetes mellitus mortality rate in Colombia, 1983-2022. An analytical cross-sectional study**  
*Abstract Author:* Juan Pablo Pérez Bedoya (Medellín, Colombia)
- P-495                    **Behavioral self-control and glycemic control in adolescents with type 1 diabetes: serial mediation by family conflict and self-management behaviors**  
*Abstract Author:* Alan Delamater (Miami, United States)
- P-496                    **Feasibility of evisits for routine blood glucose review at a large pediatric medical center in the usa**  
*Abstract Author:* Yoori Noh (Cincinnati, United States)



- P-497                    **Evaluation of the follow-up of 90 young people withdrawn from the CDiC program in Guinea**  
*Abstract Author:* Amadou KAKE (Conakry, Guinea)
- P-498                    **Difficulties and constraints in the management of type diabetes in children and adolescents in Niger**  
*Abstract Author:* MAHAMANE AMINOU MAHAMANE SANI (NIAMEY, Niger)
- P-499                    **Challenges in the diagnosis and management of type 1 diabetes in children in Colombia**  
*Abstract Author:* Diana Bulla (Bogotá, Colombia)
- P-500                    **Survey on the medical management of diabetes in Guinea**  
*Abstract Author:* Amadou Kaké (Conakry, Guinea)
- P-501                    **ConnecT1D continued: quality improvement (QI) care model interventions designed to achieve excellent and equitable glycemic and psychosocial outcomes for youth with type 1 diabetes (T1D)**  
*Abstract Author:* Sarah Corathers (Cincinnati, United States)
- P-502                    **Feasibility of CGM use in youth with type 2 diabetes prescribed infrequent glucose monitoring: a randomized controlled trial**  
*Abstract Author:* Tejal Patel (Washington DC, United States)
- P-503                    **Using carbohydrate counting is associated with lower HbA1c, independent of time of commencement**  
*Abstract Author:* Elisabeth Jelleryd (Stockholm, Sweden)
- P-504                    **Analogue vs human insulin for youth with type 1 diabetes in low-resource settings: an explanatory qualitative study of human1 trial**  
*Abstract Author:* Eimhin Ansbro (London, United Kingdom)
- P-505                    **Is migratory background associated with less favorable care and outcomes in young people with type 1 and type 2 diabetes in Germany?**  
*Abstract Author:* Marie Auzanneau (Ulm, Germany)
- P-506                    **Extending the treatment limits for T2D in adolescents - case presentation**  
*Abstract Author:* Auste Pundziute Lyckå (Borås, Sweden)
- P-507                    **Assessment of knowledge about diabetes in children and adolescents followed in the paediatrics department of the chu de yopougon and in the diabetes clinic of the chu treichville abidjan-côte d'ivoire as part of the CDiC project**  
*Abstract Author:* Amenan Gisèle YA (ABIDJAN, Cote D'Ivoire)
- P-508                    **In the search for the beginning of metabolic memory - reanalysis of public and single reference center glucose control data in the first 5 years after type 1 diabetes diagnosis**  
*Abstract Author:* Jędrzej Chrzanowski (Lodz, Poland)
- P-509                    **Development of a patient-driven occupational therapy caregiver support telehealth intervention to improve family participation and diabetes self-efficacy (real-fam)**  
*Abstract Author:* Vanessa Jewell (Chapel Hill, United States)
- P-510                    **Magnesium level during diabetic ketoacidosis: its impact on other electrolytes and relation to therapy outcomes**  
*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)
- P-511                    **Improved glycemic control in adolescents and young adults with type 1 diabetes (T1D) is associated with less diabetes distress and positive glucose monitoring perceptions**  
*Abstract Author:* Amit Shapira (Boston, United States)

- P-512                    **Are Australian students with type 1 diabetes safe at school? A consumer perspective**  
*Abstract Author:* Peter Goss (Australia)
- P-513                    **Co-designing a hybrid closed loop values-based shared decision-making AID**  
*Abstract Author:* Matthew Guy (Southampton, United Kingdom)
- P-514                    **Continuous glucose monitoring metric in children and adolescents with obesity: an observational pilot study**  
*Abstract Author:* Valentina Mancioffi (Verona, Italy)
- P-515                    **Expression pattern of MicroRNA-155 in patients with type 1 diabetes**
- P-516                    **Diabetes mellitus type 1 in Colombia and how it intervenes in the family and educational field**  
*Abstract Author:* MARIA DEL PILAR NUÑEZ SAAVEDRA (BOGOTA, Colombia)
- P-517                    **Including patient empowerment in diabetes communication**  
*Abstract Author:* Gavin Griffiths (London, United Kingdom)
- P-518                    **Expression profile of MicroRNA-21 in patients with type 1 diabetes mellitus**
- P-519                    **Persistent sex differences in cardiovascular disease risk factors: a cohort study in youth with type 1 diabetes**  
*Abstract Author:* Darja Smigoc Schweiger (Ljubljana, Slovenia)
- P-520                    **Developing a pediatric diabetes clinic with a person-centered care model: an experience from a portuguese hospital**  
*Abstract Author:* Sara Martins (Alcabideche, Portugal)
- P-521                    **Mercury, lead, and cadmium levels among children with type 1 diabetes in Ismailia, Egypt**
- P-522                    **Frequency of affected siblings with type 1-diabetes and common risk-associated genetic polymorphisms among an Egyptian cohort of children and adolescents with diabetes**  
*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)
- P-523                    **Frequency of subclinical lipodystrophy among children and adolescents with type 1 diabetes**  
*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)
- P-524                    **Low-dose versus standard-dose insulin infusion in pediatric diabetic ketoacidosis**
- P-525                    **The Uganda national type 1 diabetes programme**  
*Abstract Author:* Silver Bahendeka (Kampala, Uganda)
- P-526                    **Challenges of diagnosis and management of infant diabetes: about 4 cases at CHUME N'Djamena**  
*Abstract Author:* DJAURY Dadjia (N'djamena, Chad)
- P-527                    **Particularities of type 1 diabetes in children under 5 year Dakar**  
*Abstract Author:* mbaye aminata (dakar, Senegal)
- P-528                    **The digibete app; implementation and evaluation for the scottish pilot**  
*Abstract Author:* Madeleine Julian (Leeds, United Kingdom)
- P-529                    **Diabetes distress among adolescents with type 1 DM in tertiary diabetes centers in Nigeria**  
*Abstract Author:* Abiola Oduwole (Lagos, Nigeria)

- P-530 **Incidence of type 1 diabetes in children and adolescents during the COVID-19 pandemic: epidemiological and clinical profile at laquintinie hospital, Douala**  
*Abstract Author:* Gaelle Claude Ntsoli Kofane (Douala, Cameroon)
- P-531 **Insufficient sleep in infancy and risk of childhood overweight and obesity**  
*Abstract Author:* Eimear O'Connell (Edinburgh, Ireland)
- P-532 **Sleep disorders among adolescents with and without type-1 diabetic**  
*Abstract Author:* Fatemeh Saffari (Qazvin, Iran)
- P-533 **Perceptions and challenges of transition from syringes to insulin pen use among young diabetes patients in Bangladesh: a qualitative study**  
*Abstract Author:* Ajmina Hasan Flabe (Dhaka, Bangladesh)
- P-534 **A study on the autoantibody level distribution in type 1 diabetes and its association with clinical characteristics in a tertiary care center in south India**  
*Abstract Author:* Rakesh Sahay (Hyderabad, India)
- P-535 **Bone health in type 1DM**  
*Abstract Author:* Rakesh Sahay (Hyderabad, India)
- P-536 **The effect of diabetes education on knowledge and awareness levels of classroom teachers about type 1 diabetes**  
*Abstract Author:* İsmail ÇETİNTAŞ (Edirne, Turkey)
- P-537 **Remission of type 1 diabetes mellitus and associated factors in children and adolescents at a tertiary hospital in a developing African country**  
*Abstract Author:* Ibirokin Akinola (Ikeja, Nigeria)
- P-538 **Resilience rising: integrated efforts in pediatric diabetes care in humanitarian setting -the Sudan model**  
*Abstract Author:* Salwa Musa (Khartoum, Sudan)
- P-539 **Epidemiological and clinical aspects of diabetic ketoacidosis at the emergency department of Angre university hospital center, medical pediatric in Abidjan**  
*Abstract Author:* sy kadidia Savané (Abidjan, Cote D'Ivoire)
- P-540 **A comprehensive understanding of adolescents' and young adults' experiences throughout the stages of healthcare transition in common chronic conditions. A qualitative study**
- P-541 **Fanconi-bickel syndrome, when should insulin be used?**  
*Abstract Author:* Sonia Benferhat (Oran, Algeria)
- P-542 **Early glycaemic control in children with type 1 diabetes on a novel early intensive therapy model of care**  
*Abstract Author:* Meher Saini (Geelong, Australia)
- P-543 **A study to evaluate the efficacy, ease, safety, and convenience of insulin pen devices over conventional insulin vials/syringes among patients with type 1 diabetes mellitus in a resource-poor setting**  
*Abstract Author:* Ramya Obbai Manohar (bangalore, India)
- P-544 **Looping forward in diabetes**  
*Abstract Author:* Jenny Dixon (Antrim, United Kingdom)
- P-545 **Epidemiology of type 1 diabetes in podlasie region, Poland, in years 2010-2022 - 13-years-single-center study, including COVID-19 pandemic perspective.**

*Abstract Author:* Barbara Glowinska-Olszewska (Bialystok, Poland)

P-546                    **Evaluation of emotional and sexual relationships in adolescents and young adults living with chronic illness - diabetes mellitus type 1**

P-547                    **A systematic review of interventions in general practice to reduce diagnostic delay when diagnosing paediatric type 1 diabetes**

*Abstract Author:* Chiara Beccia (Melbourne, Australia)

P-548                    **First experience in the use of intermittent glucose monitoring during a camp for children and adolescents with type 1 diabetes in Mexico: benefits and challenges**

*Abstract Author:* Emma Lucila Picasso Rivera (Mexico City, Mexico)

P-549                    **Closed Loop 780g system and children with type 1 diabetes followed for one year: lessons learned from diabetes educators**

P-58                    **Enhancing health equity in black teens with type 1 diabetes: a culturally tailored mhealth intervention informed by parental feedback**

*Poster Presenter:* Vinkrya Ellison (Memphis, United States)

P-97                    **Automated insulin delivery and menstrual-cycle related glycemic variability**

*Poster Presenter:* Yasmine Elhenawy (Cairo, Egypt)

*Oral Session*

11:45 - 13:15

Session Hall 3

**Oral Session I: Trending diabetes-related topics**

*Chair:* Tiago Jeronimo dos Santos (Almeria, Spain)

*Chair:* Elke Fröhlich-Reiterer (Graz, Austria)

O-01                    **SPISE INDEX (Single Point Insulin Sensitivity Estimator): indicator of insulin resistance in children and adolescents with overweight and obesity**

*Oral Presenter:* Giacomo Tantari (Genova, Italy)

O-02                    **Early microvascular complications of type 2 diabetes mellitus in children and adolescents in the DPV registry**

*Oral Presenter:* Christian Denzer (Ulm, Germany)

O-03                    **Putative neuroinflammation in youth with obesity and dysglycemia: preliminary findings**

*Oral Presenter:* Tamara Hershey (United States)

O-04                    **Does body fat mass have an impact on nocturnal hypoglycemia in children with type 1 diabetes?**

*Oral Presenter:* Nilüfer Uyar (izmir, Turkey)

O-05                    **Effects of metformin and liraglutide on gut microbiota composition in youth-onset type 2 diabetes: the MIGHTY study**

*Oral Presenter:* Sophia Glaros (Bethesda, United States)

O-06                    **Bone turnover markers in adolescents with type 1 diabetes before and after a low carbohydrate diet versus a mediterranean diet**

*Oral Presenter:* Neriya Levran (Ramat-Gan, Israel)

O-07                    **Omega 3 index in children with and without partial remission of type 1 diabetes after one year of stage 3 T1D diagnosis**

*Oral Presenter:* Lina Huerta-Saenz (Hershey, United States)

O-08                    **Assessing the impact of a virtual food skills program for children with type 1 diabetes**

*Oral Presenter:* Joeie Schwartz (Toronto, Canada)

*Oral Presenter:* Vanita Pais (Toronto, Canada)

- O-09 **Glycemic responses to graded exercise testing in adolescents with type 1 diabetes using two different automated insulin delivery systems**

Oral Presenter: Emilie Lindkvist (Herlev, Denmark)

- O-10 **Evidence of novel non-autoimmune aetiology diabetes in Sub-Saharan African youths: updates from the young-onset diabetes in Sub-Saharan Africa (YODA) study**

Oral Presenter: Jean Claude Katte (Exeter, United Kingdom)

#### Poster Session

15:15 - 16:15

Exhibition + Posters Hall

#### Poster Corner 6: General Diabetes Care

Chair: Manmohan Kamboj (Columbus, United States)

Chair: Steven Willi (Philadelphia, United States)

- P-52 **Transition readiness interventions improve some diabetes outcomes and engagement of young people following transition to adult services: an NHS England transition pilot**

Poster Presenter: Lucy Unsworth (Liverpool, United Kingdom)

- P-53 **Psychosocial complexity and limited preparation for transition to adult services for young people living with type-1 diabetes results in care fragmentation: a multi-method study**

Poster Presenter: Yvonne Zurynski (North Ryde, Australia)

- P-54 **Addressing data management in type 1 diabetes care in Kenya**

Poster Presenter: Joan Kimetto (Nairobi, Kenya)

- P-55 **Gender - specific differences in glycemic control in patients with type 1 diabetes using continuous glucose monitoring aged up to 25 years: results from the DPV database**

Poster Presenter: Nicole Blauensteiner (Vienna, Austria)

- P-56 **Factors that influence metabolic control in type I diabetic children- a study in a tertiary hospital**

Poster Presenter: Mariana Sebastião (Coimbra, Portugal)

- P-57 **Time in euglycemic range (time in tight target) in very young children with type 1 diabetes treated with aHCL: 12-month follow-up from onset**

Poster Presenter: Andrea Rigamonti (Milano, Italy)

- P-59 **Only 50% of parents confident they have adequate knowledge to manage their child's type 1 diabetes: need for greater involvement of families with clinical teams, education, tools and supports**

Poster Presenter: Yvonne Zurynski (North Ryde, Australia)

- P-60 **Feasibility of sleep screening for adolescents with type 1 diabetes in a clinical setting**

Poster Presenter: Emily Boranian (Aurora, United States)

- P-51 **Vaccination compliance among pediatric patients with type 1 diabetes mellitus: insights from a tertiary hospital**

Poster Presenter: Sara Ribeiro (Porto, Portugal)

#### Poster Session

15:15 - 16:15

Exhibition + Posters Hall

#### Poster Corner 5: Psychological and Psychosocial aspects of diabetes

Chair: Paula Chinchilla (London, United Kingdom)

Chair: Robert Hoffman (Columbus, United States)

- P-41 **Effects of neighborhood characteristics on the health of adolescents and young adults with type 1 diabetes**

Poster Presenter: Deborah Ellis (Detroit, United States)

- P-42                      **Title: promoting child-centred psychosocial care for young children (aged 3-7 years) with type 1 diabetes: development of a play-based communication tool for clinical practice**

Poster Presenter: Patricia DeCosta (Herlev, Denmark)

- P-44                      **Automated insulin delivery (AID) systems in the real world of pediatric care: adolescents' and parents' reported outcomes after one year of use (AID-a study)**

Poster Presenter: Karin Lange (Hannover, Germany)

- P-45                      **Comparing completion and positivity rates for health-related social needs (HRSN) between individuals with type 1 diabetes (T1D) who attended and missed standard of care diabetes clinic appointments**

Poster Presenter: Emily DeWit (Kansas City, United States)

- P-47                      **The promoting resilience in stress management for parents (PRISM-P) intervention: a pilot randomised controlled trial in parents of young children with type 1 diabetes**

Poster Presenter: Jesse Ingram (Perth, Australia)

- P-48                      **Social needs, insulin access, and gender is linked to diabetes self-management via diabetes distress: a cross-sectional mediation analysis**

Poster Presenter: Ngozi Deborah Nnoli (Los Angeles, United States)

- P-50                      **Elevated sleep disturbances and fear of nighttime hypoglycemia in families of youth with type 1 diabetes**

Poster Presenter: Alexandra Monzon (Orlando, United States)

- P-550                      **Experiences and perspectives related to autoantibody screening of people at risk for type 1 diabetes**

Poster Presenter: Korey Hood (Stanford, United States)

#### Poster Session

15:15 - 16:15

Exhibition + Posters Hall

#### Poster Corner 3: Telemedicine, Digital Health, Decision Support

Chair: Júlia Galhardo (Lisboa, Portugal)

Chair: Raj Paul Wadwa (Aurora, United States)

- P-21                      **Try: telehealth to support diabetes technology adoption in at risk youth**

Poster Presenter: Lisa Rasbach (Durham, United States)

- P-22                      **Listening to PwD, clinicians and researchers: co-designing a digital diabetes platform**

Poster Presenter: Helen Clapin (Perth, Australia)

- P-23                      **Karlotta 2.0 (kids + adolescents research learning on tablet teaching aachen) - implementation of a digital educational app for paediatric patients with type 1 diabetes**

Poster Presenter: Maria Tincheva (Aachen, Germany)

- P-24                      **Co-design and development of a text message-based intervention (keeping in touch (KiT)) to support transition to type 1 diabetes adult care**

Poster Presenter: Rayzel Shulman (Toronto, Canada)

- P-26                      **Huddle4parents: a proof-of-concept digital support intervention for parents of children ages 5 to 9 with type 1 diabetes**

Poster Presenter: Tricia S. Tang (Vancouver, Canada)

- P-27                      **Analyzing and monitoring cardiometabolic data in adolescent patients with type 1 diabetes in relation to non-alcoholic fatty liver**

**disease using wearable technology in mathura city, India***Poster Presenter:* Vikas Sharma (New Delhi, India)

- P-28                    **The impact of wearable technology and geo-fencing devices on physiological data management and quality of life in adolescents with type 2 diabetes and obesity**

*Poster Presenter:* Vikas Sharma (New Delhi, India)

- P-29                    **Evaluation of REAL-Time sensor data to assess correlations between heart rate and glucose change in young children with type 1 diabetes**

*Poster Presenter:* Priscilla Connell (Kansas City, United States)

- P-30                    **use, effectiveness, and patient satisfaction of T1D emergency telephone service (ETS): preliminary results**

*Poster Presenter:* Giordano Spacco (Genoa, Italy)*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 2: Automated Insulin Delivery, Closed Loop***Chair:* Cari Berget (Aurora, United States)*Chair:* Artur Bossowski (Białystok, Poland)

- P-11                    **Enhancing equity in access to automated insulin delivery systems in an ethnically and socio-economically diverse group of children with type 1 diabetes**

*Poster Presenter:* John Pemberton (Birmingham, United Kingdom)

- P-12                    **Predicting achievement of continuous glucose monitor (CGM) targetETS for American youth with type 1 diabetes (T1D) using automated insulin delivery (AID) systems**

*Poster Presenter:* Jody Grundman (Washington, United States)

- P-13                    **Sustained improvement of glycemic control and person-reported outcomes one year after hybrid closed-loop initiation in children with type 1 diabetes in real-world**

*Poster Presenter:* Jolien De Meulemeester (Leuven, Belgium)

- P-14                    **Simplified Meal Announcement and Its Characteristics in Adolescents with Type 1 Diabetes using Advanced Hybrid Closed Loop System for One Year**

- P-15                    **Real-life achievements of advanced closed loop system in youth with type 1 diabetes: awesome study group multi-center prospective trial**

*Poster Presenter:* Noah Gruber (Ramat Gan, Israel)

- P-16                    **Time in tight range improves significantly and sustainably with aHCL system in pediatric and adolescent patients not reaching glycemic goals with conventional treatment options**

*Poster Presenter:* Mari-Anne Pulkkinen (Helsinki, Finland)

- P-17                    **Sick days in children using an aHCL system: a single-center observational pilot study**

*Poster Presenter:* Davide Tinti (Turin, Italy)

- P-18                    **Automated insulin delivery (AID) systems in the real world of pediatric care: acceptance and quality of metabolic control after one year of use (AID-A study)**

*Poster Presenter:* Simone PD Dr von Sengbusch (Luebeck, Germany)

- P-19                    **Evaluation of an Advanced Hybrid Closed Loop system in young paediatric subjects (2-6 years old) with type 1 diabetes in a home setting: the lenny study**

*Poster Presenter:* Jessica Cellot (Tolochenaz, Switzerland)

P-20                      **Stable glycemic control in or out of school in children using closed loop system - a real world study from Italy**

Poster Presenter: Jennifer J. McVean (Northridge, United States)

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Tour**

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 8: New insulins, Adjunctive Therapies, Other pharmacologic agents, novel advances and intervention**

Chair: Stuart Brink (Waltham, United States)

Chair: Lily C. Chao (Los Angeles, United States)

P-71                      **Impact of GLP-1 agonists on body mass index (BMI) and total daily dose (TDD) in youth with type 1 diabetes**

Poster Presenter: Frances Gonzalez (Los Angeles, United States)

P-73                      **GLP-1 agonist therapy in adolescents and young adults with type 1 diabetes**

Poster Presenter: Mary Pat Gallagher (New York City, United States)

P-75                      **Does the use of insulin faster aspart vs. Aspart lead to the prolonged glycemic time in range in children with type 1 diabetes who use continuous glucose monitoring?**

Poster Presenter: Emilia Kowalczyk-Korcz (Warsaw, Poland)

P-76                      **A population preventive study of early detection of type 1 diabetes in asymptomatic children in the north-east region of Poland**

Poster Presenter: Artur Bossowski (Białystok, Poland)

P-77                      **Surveying families on their knowledge and opinions regarding type 1 diabetes (T1D) antibody screening and teplizumab (Tzielid) infusions**

Poster Presenter: Rachel Longendyke (Washington, United States)

P-79                      **Study of ocimum gratissimum aqueous extract on kidney function in diabetic nephropathy rat model of type 2 diabetic mellitus**

Poster Presenter: Sumit Rajput (New Delhi, India)

P-267                      **Case report: using daily glucagon-like peptide 1 agonist (GLP1-RA) in an overweight adolescent with type 1 diabetes (T1D) and rheumatoid arthritis**

Poster Presenter: Nehad Taha Mohamed (Kuwait city, Kuwait)

P-296                      **Type 1 diabetes screening in a pediatric population - lessons learned on a daily practice perspective**

Poster Presenter: Joana Serra-Caetano (Coimbra, Portugal)

P-551                      **FABULINUS — A randomized, controlled trial with Frexalimab, to assess endogenous insulin secretion in new onset stage 3 type 1 diabetes in adults and adolescents**

Poster Presenter: Felix Reschke (Hanover, Germany)

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 1: Pumps and CGM**

Chair: Anna Korsgaard Berg (Herlev, Denmark)

Chair: Thomas Kapellen (Leipzig, Germany)

P-01                      **A comparison between Glucose Management Indicator (GMI) and the Point-of-Care HbA1c in the context of children and adolescents**



**with Type 1 Diabetes living in socially deprived Northwestern English region**

Poster Presenter: Rabin Mohanty (Blackpool, United Kingdom)

**P-02 Prevalence of skin complications due to insulin pumps in children and adolescents (<18 years) with type 1 diabetes (T1D) depending on presence of lipohypertrophy or not**

Poster Presenter: Samantha Lange (Aurora, United States)

**P-04 Glycated hemoglobin and time in range variability on an insulin pump pediatric population**

Poster Presenter: Mariana Vieira da Silva (Viseu, Portugal)

**P-05 Evaluation of fructosamine, an intermediate-term glycemic index, as a proxy to continuous glucose monitoring: experience from a resource limited setting in western India**

Poster Presenter: Sushil Yewale (Pune, India)

**P-06 The assessment of clinical factors influencing GMI-HbA1c discordance in children with DT1 - one-year real-life observation**

Poster Presenter: Grazyna Deja (Katowice, Poland)

**P-07 Glucose management indicator (GMI) as an alternative for conventional HbA1c measurement in diabetes clinics?**

Poster Presenter: Arundoss Gangadharan (Bangor, Gwynedd, United Kingdom)

**P-08 Building diabetes educator workflows for remote patient monitoring billing**

Poster Presenter: Annette Chmielewski (Stanford, United States)

**P-09 Family experience of unblinded CGM-guided education for presymptomatic T1D**

Poster Presenter: Brigitte Frohnert (Aurora, United States)

**P-10 Diabetes technology, glycemic control and social vulnerability in youth with type 1 diabetes**

Poster Presenter: Melanie Bryan (St. Louis, United States)

*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 7: Outcomes and Care Models**

Chair: Diana Yardley (Oxford, United Kingdom)

Chair: Rachel Besser (Oxford, United Kingdom)

**P-61 Ten years of improving glycemic control in pediatric diabetes care in Norway: do we need a different approach for the girls?**

Poster Presenter: Heiko Bratke (Haugesund, Norway)

**P-62 Assessing the long-term effects of comprehensive health care for people with type 1 diabetes: a 14-year follow-up study**

Poster Presenter: Bilal Tahir (Karachi, Pakistan)

**P-63 HbA1c, mean glucose and time in tight range in a Swedish pediatric clinic**

Poster Presenter: Ragnar Hanas (Gothenburg, Sweden)

**P-64 A randomised control intervention study of adding long-acting basal insulin in the treatment of youth with type 1 diabetes in Mali**

Poster Presenter: Aveni Haynes (Sydney, Australia)

**P-65 Discrepancies between children's and parent's reported diabetes outcomes: the child health ratings inventories (CHRIS) diabetes project**

**P-66 Transition between paediatric and adult diabetes healthcare**

**services: an online global survey of the experiences and perceptions of healthcare professionals**

*Poster Presenter:* Steven James (Queensland, Australia)

**P-67 Team clinic virtual peer groups (VPG) reduce depressive affect and increase resilience in adolescents with type 1 diabetes (T1D)**

*Poster Presenter:* Jaquelin Flores Garcia (Los Angeles, United States)

**P-68 Percent within time in tight range correlates to pump usage: report from the Swedish national diabetes register**

*Poster Presenter:* Ragnar Hanas (Gothenburg, Sweden)

**P-69 Hub and spokes model of care for children& adolescent with type 1 diabetes- feasibility to sustainability**

*Poster Presenter:* PRASANNA Kumar (Bengaluru, India)

**P-70 Is a transdisciplinary care model acceptable to adolescents with type 1 diabetes (T1D) and their caregivers?**

*Poster Presenter:* Melissa A. Alderfer (Wilmington, United States)

*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 4: Pathogenesis and Etiology, Epidemiology**

*Chair:* Adele Bodieu Chetcha (Yaounde, Cameroon)

*Chair:* Carla Pereira (Lisbon, Portugal)

**P-31 Amyloid dysfunction in children with type 1 diabetes**

*Poster Presenter:* Agnieszka Ochocinska (Warsaw, Poland)

**P-32 Type 1 diabetes phenotypes: is there any biomarker to predict disease progression?**

*Poster Presenter:* Joana Serra-Caetano (Coimbra, Portugal)

**P-33 Profil of vitamin D in children patients with newly diagnosed type 1 diabetes mellitus**

*Poster Presenter:* Hanane Latrech (Morocco)

**P-34 Clinical characteristics in autoantibody negative children at T1D diagnosis in Sweden**

*Poster Presenter:* Emma Hedlund (Lund, Sweden)

**P-35 Is there an association between ambient temperature and diabetic ketoacidosis at type 1 diabetes onset in children and adolescents?**

*Poster Presenter:* Stefanie Lanzinger (Ulm, Germany)

**P-36 Prevalence of retinopathy in people living with type 1 diabetes 15 years after diagnosis as child or adolescent by decade: a cross-sectional, real-world observational study**

*Poster Presenter:* Kristina Casteels (Leuven, Belgium)

**P-37 Overweight and obesity in children and adolescents with type 1 diabetes in Belgium: a 13-year period observational real-world study**

*Poster Presenter:* Suchsia Chao (Anderlecht, Belgium)

**P-39 Geographic information system mapping and relationship with glycemic control in type 1 diabetes in western India**

*Poster Presenter:* Sushil Yewale (Pune, India)

**P-40 High frequency of diabetic ketoacidosis in polish children with new-onset type 1 diabetes over the years 2019-2022**

*Poster Presenter:* Agnieszka Szadkowska (Lodz, Poland)

## Oral Session

16:30 - 18:00

Session Hall 3

**Oral Session II: Diabetes Care and Education***Chair:* Laya Ekhlaspour (San Francisco, United States)*Chair:* Stephen Greene (London, United Kingdom)**O-11                      Improving transition readiness to adult care in adolescents with type 1 diabetes: getting all our ducks in a row!***Oral Presenter:* Manmohan Kamboj (Columbus, United States)*Oral Presenter:* K.M. Hong (Columbus, United States)**O-12                      Family situation and comfort with type 1 diabetes management dimensions in adolescents before transfer to adult care***Oral Presenter:* Meranda Nakhla (Montreal, Canada)**O-13                      A virtual, targeted “initiative for diabetes education and awareness for schools” (IDEAS) is practical, sustainable, and is the need of the hour in low- and middle-income countries***Oral Presenter:* Sheryl Salis (Mumbai, India)**O-14                      Identifying challenges in diabetes self-management among adolescents with T1DM in Delhi-NCR, India using the DSMES framework: Findings from a Qualitative Study***Oral Presenter:* Jyotishmita Sarma (New Delhi, India)**O-15                      Does low child opportunity index at diagnosis predict healthcare utilization and glycemic control during follow-up in youth with type 1 and type 2 diabetes?***Oral Presenter:* Silva Arslanian (Pittsburgh, United States)**O-16                      Evolving methodologies in crafting ISPAD clinical practice consensus guidelines: insights from the 2024 edition***Oral Presenter:* Yeray Nóvoa-Medina (Toronto, Canada)**O-17                      Improving diabetes outcomes between different payor systems in a pediatric diabetes program***Oral Presenter:* Emily Coppedge (Manhattan, United States)**O-18                      Patient satisfaction with group education sessions for adolescents with type 1 diabetes transitioning to adult care***Oral Presenter:* Meranda Nakhla (Montreal, Canada)**O-19                      Dreams diabetes education portal: a comprehensive digital solution for parents, teachers, and people with type 1 diabetes***Oral Presenter:* Jothydev Kesavadev (Thiruvananthapuram, India)**O-20                      The global economic burden of type 1 diabetes: current estimates and projections to 2040***Oral Presenter:* Maddalena Ferranna (Los Angeles, United States)

**Thursday, 17. October 2024***Posters*

07:30 - 18:00

ePosters on Display

**e-Posters (viewable during whole conference, no oral presentations)**

- P-72                    **European action for the diagnosis of early non-clinical type 1 diabetes for disease interception: the EDENT1FI project**

*Abstract Author:* Jurgén Vercauteren (Leuven, Belgium)

- P-74                    **Attempt clinical trial evaluating SGLT2i in youth with type 1 diabetes**

- P-120                  **Empowering minds and bodies: the impact of outreach programs on mental health and daily management in type 1 diabetes**

*Abstract Author:* Seetohul Philippe Ghanisha (Quatre Bornes, Mauritius)

- P-129                  **Fear of death in adolescents with type one diabetes and their parents**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

- P-194                  **Glucocorticoid-induced hyperglycemia leading to early diagnosis of type 1 diabetes (T1D) in an 8-year-old boy with non-classical autoimmune polyendocrine syndrome type 1 (APS1)**

*Abstract Author:* Ioanna Kosteria (Athens, Greece)

- P-200                  **Helping teenagers with type 1 diabetes and their parents cope with the challenges of diabetes management: a delphi study**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

- P-229                  **Islet autoantibody positive general population individuals have smaller pancreas volume compared to control individuals**

*Abstract Author:* Taylor Triolo (Aurora, United States)

- P-230                  **Mastering Ramadan: empowering children, teens and parents with advanced hybrid closed-loop (ACHL) system for safe fasting: Qatar's experience**

- P-231                  **Glycemic balance in a cohort of older adolescents and young adults with T1D followed long-term in a pediatric setting. Effect of the COVID years**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

- P-232                  **Early sulphonylurea treatment improves non-verbal IQ in KCNJ11-related iDEND (developmental delay, epilepsy and neonatal diabetes)**

*Abstract Author:* Pamela Bowman (Exeter, United Kingdom)

- P-233                  **School-aged children and the management of type 1 diabetes in the primary school environment: an investigation of how to support children**

*Abstract Author:* Tracey O'Neill (Dublin, Ireland)

- P-234                  **Parental satisfaction and challenges in managing type 1 diabetes in school-aged children: insights from the primary school environment**

*Abstract Author:* Eleanor Hollywood (Dublin, Ireland)

- P-235                  **Novel use of vildagliptin in a closed-loop system to prevent glycemic excursions of iftar meal during intermittent fasting of ramadan in type 1 diabetes mellitus**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

- P-236                  **Diabetes self-management smartphone application: could it be an alternative for continuous glucose monitoring in low resource**

**settings?**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

P-237                    **Multiple diabetes cases and kidney Anomalies in one family**

*Abstract Author:* Ingrida Stankute (Kaunas, Lithuania)

P-238                    **Type 1 diabetes and schooling: a challenge for continuity of care at yaounde CDiC centers, Cameroon**

*Abstract Author:* Armelle Nkamga (Yaoundé, Cameroon)

P-249                    **Assessment of self-monitoring blood glucose(SMBG) in type 1 diabetes children & adolescents using diaries at vihiga county referral hospital(VCRH), Kenya, 2023**

*Abstract Author:* Mike Endovo (MBALE, Kenya)

P-250                    **Motivational interviewing: a patient centered approach to improve glucose control among children and adolescents with type 1 diabetes(T1D) at vihiga county referral hospital(VCRH), Kenya (2022-2024)**

*Abstract Author:* Jerusa Oluhano (Mbale, Kenya)

P-251                    **Determinants of glycemic control and nutritional status amongst children and adolescents with type 1 diabetes in a rural hospital in Kenya**

*Abstract Author:* Phoebe Wamalwa (Nairobi, Kenya)

P-252                    **Diabetic retinopathy screening in Laos: an inaugural collaborative effort by the Singapore national eye centre and action4diabetes**

*Abstract Author:* Amphayvanh Manivong (Chanthabuli, Laos)

P-253                    **Autoimmune dysthyroiditis and type 1 diabetes : exploratory study on 419 Moroccans children and adolescents**

*Abstract Author:* Asmae Touzani (Rabat, Morocco)

P-254                    **Economic implications of diabetes care for young adults in Kenya**

*Abstract Author:* Sheila Wanjuki (Nairobi, Kenya)

P-255                    **Comparison of different insulin regimens and their efficiency on glycated hemoglobin in monitored type 1 diabetic children as part of the CDiC côte d'ivoire project**

*Abstract Author:* Louise Odile MOKE BEDJI (ABIDJAN, Cote D'Ivoire)

P-256                    **Ethnic disparity in HbA1c and hypoglycaemia among youth with type 1 diabetes: beyond mean blood glucose, social deprivation and access to technology**

*Abstract Author:* John Pemberton (Birmingham, United Kingdom)

P-257                    **The co-existence of type 1 diabetes and myasthenia gravis in a 6-year-old female patient**

*Abstract Author:* Anna Woloszyn-Durkiewicz (Gdansk, Poland)

P-258                    **Comparing the efficacy of newer analogue insulins over conventional insulins in treating children with type 1 diabetes mellitus**

*Abstract Author:* Lakshmi Deepika Relangi (Banglore, India)

P-259                    **Severe hypertriglyceridemia with new-onset diabetes type 1 without ketoacidosis**

*Abstract Author:* Marta Bandura (Gdansk, Poland)

P-260                    **COVID-19 infection and diabetes,type 1 diabetes or another type?**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

P-261                    **Quality of life in type 1 diabetes: a comparative analysis of treatment modalities in a predominantly hispanic population**

*Abstract Author:* Adriana Carrillo Iregui (Miami, United States)

- P-262                    **Glucometabolic control before and after a low-glycemic index diet intervention in adults newly diagnosed with ABCC8 gene mutation**  
*Abstract Author:* Francesco Maria Rosanio (Naples, Italy)
- P-263                    **Understanding needs and increasing T1D engagement (UNITE): participant perspectives from the 4t and 4t exercise study**  
*Abstract Author:* Lauren E. Figg (Palo Alto, United States)
- P-264                    **Type 1 diabetes mellitus and COVID-19: glycemic control before, during and after the pandemic**  
*Abstract Author:* Raquel Oliveira (Leiria, Portugal)
- P-265                    **Genetic risk scores, ancestry, and autoantibodies in children and adolescents with newly diagnosed diabetes**  
*Abstract Author:* Hector Ortega (Palo Alto, United States)
- P-266                    **Carbohydrates intake in children and adolescents with type 1 diabetes mellitus and its relation with physical activity**  
*Abstract Author:* Gianluca Tornese (Trieste, Italy)
- P-268                    **Mobile apps and challenges for type 1 diabetes control in children**  
*Abstract Author:* Rositsa Stoycheva (Varna, Bulgaria)
- P-269                    **Effect of nutrition education intervention on glycemic control and nutritional status in children with type 1 diabetes: a randomized controlled trial**  
*Abstract Author:* PRASANNA Kumar (Bengaluru, India)
- P-270                    **Examining the impact of maternal insulin therapy on proinflammatory cytokines, chemokines, and regulatory T cells in infants born to mothers with gestational diabetes**
- P-271                    **A rare case of digenic MODY responsive to sulfonylurea treatment: coexistence of pathogenic variants in GCK and HNF1A**  
*Abstract Author:* Nilüfer Uyar (izmir, Turkey)
- P-272                    **Comparative study of type 1 diabetes in children and adolescents of spanish origin and caucasian ethnicity and moroccan origin and maghrebi ethnicity**  
*Abstract Author:* M. Pilar Pérez-Segura (Madrid, Spain)
- P-273                    **Neonatal diabetes about 9 cases**  
*Abstract Author:* Salma Tihamy (casablanca, Morocco)
- P-274                    **Factors associated with the presence and severity and outcome of diabetic ketoacidosis at diagnosis of type 1 diabetes in children and adolescents**
- P-275                    **The comparative study focused on HbA1c level and the numbers of consultation in type 1 diabetes children and young adult at kantha bopha children's hospital between 2019 and 2020**  
*Abstract Author:* Manet Ban (Phnom Penh, Cambodia)
- P-276                    **Effect of socioeconomic factors on glycaemic control, access to technology, BMI status and interactions with healthcare in paediatric diabetes patients**  
*Abstract Author:* Maria Ionescu (Peterborough, United Kingdom)
- P-277                    **Exploring the impact of laughter yoga and clapping exercises on cardiac function in obese adolescents with type 1 diabetes in rural areas of the delhi metro population**  
*Abstract Author:* Sumit Rajput (New Delhi, India)
- P-278                    **Transient neonatal diabetes mellitus with an unknown cause in 1-month infant: a case report**  
*Abstract Author:* Mateusz Tarasiewicz (Katowice, Poland)

- P-279                    **It's like looking for a needle in a haystack: a case report of a retained steel insulin pump infusion set needle**  
*Abstract Author:* Francesca Di Candia (Naples, Italy)
- P-280                    **Health care utilisation and follow-up data of youth with type 1 diabetes after transition to adult care**  
*Abstract Author:* Uğur Cem YILMAZ (IZMIR, Turkey)
- P-281                    **Lifestyle modification knowledge among parents of children with diabetes in Lagos University Teaching Hospital Lagos**  
*Abstract Author:* Tukur Bello (Zaria, Nigeria)
- P-282                    **A case study of hyperglycemia management in neonate**  
*Abstract Author:* Ramouy Dy (Phnom Penh, Cambodia)
- P-283                    **Self-managed insulin injections and its association with lipohypertrophy, pain, and glycemic results in pediatric type 1 diabetes**  
*Abstract Author:* Tiago Jeronimo dos Santos (Almeria, Spain)
- P-284                    **Evaluating the impact of introducing basaglar, a long-acting analog insulin, on quality-of-life outcomes in youth with diabetes in Bangladesh**  
*Abstract Author:* Farhana Ahmed (Dhaka, Bangladesh)
- P-285                    **Poverty-proofing the first health care service that led to a whole-region approach to reduce impact of poverty on accessing paediatric diabetes care**  
*Abstract Author:* Judith Reid (Gateshead, United Kingdom)
- P-286                    **Audit of management of diabetic ketoacidosis in children and young people at the noah's ark children's hospital for wales**  
*Abstract Author:* Alicia Frame (Cardiff, United Kingdom)
- P-287                    **Depressive symptoms in adolescents with and without polyCystic ovary syndrome living with obesity: a prospective, observational study**  
*Abstract Author:* Reem Hassan Beck (Abu Dhabi, United Arab Emirates)
- P-288                    **Utilising technology to provide preclinical care for an infant with suspected (and later confirmed) INS mutation**  
*Abstract Author:* Sarah Black (Nedlands, Australia)
- P-289                    **Healthcare resource utilization in newly diagnosed children with type 1 diabetes in us clinical practice**  
*Abstract Author:* Laura Wilson (Bridgewater, United States)
- P-290                    **Real-world experience of hybrid closed loop (HCL) system in children and adolescents in a uk diabetes centre**  
*Abstract Author:* Stephen Greene (London, United Kingdom)
- P-291                    **Patterns and determinants of serum amylase, lipase concentrations in Indian adolescents and youth with type 1 diabetes (T1D)**  
*Abstract Author:* Nimisha Dange (Pune, India)
- P-292                    **Screening for pancreatic autoantibodies among the first-degree relatives of children and adolescents with type 1 diabetes**  
*Abstract Author:* Rakesh Kumar (Chandigarh, India)
- P-293                    **Nutritional status of the children with newly diagnosed type 1 diabetes**  
*Abstract Author:* Vera Zdravkovic (Belgrade, Serbia)
- P-294                    **Developing a scalable intervention for recognizing signs of diabetes in children at school**  
*Abstract Author:* Rayzel Shulman (Toronto, Canada)

- P-295                    **Assessment of derangements in glucose metabolism in children with transfusion dependent thalassemia: cross sectional analytical study from India**
- P-297                    **Improving rates of physical activity education for youth with type 1 diabetes (T1DM) in a pediatric diabetes clinic**  
*Abstract Author:* Nicole Coles (Toronto, Canada)
- P-298                    **Exploring risk factors for long-term renal complications in type 1 diabetes: a case control study**  
*Abstract Author:* Joana Serra-Caetano (Coimbra, Portugal)
- P-299                    **Is glucose control and quality of life improving with use of a hybrid closed loop system? Evidence in real life**  
*Abstract Author:* Marisa Clemente (Wrexham, United Kingdom)
- P-300                    **Stable glycemic control but increased insulin requirements in children and adolescents with type 1 diabetes before and after diagnosis of celiac disease**  
*Abstract Author:* Marie-Anne Burckhardt (Basel, Switzerland)
- P-301                    **Misdiagnosis of type 1 diabetes and multiple sclerosis: a case of wolfram syndrome**  
*Abstract Author:* Orit Pinhas-Hamiel (Raanana, Israel)
- P-303                    **Aspect of diabetic ketone acidosis on type 1 diabetes mellitus patients at Cambodia-Korea diabetes center(CKDC) in 2023**  
*Abstract Author:* MEN PANHA (Phnom Penh, Cambodia)
- P-304                    **Factors affecting linear growth and growth velocity among Indian children and adolescents with type-1 diabetes: a longitudinal study**  
*Abstract Author:* Chirantap Oza (Pune, India)
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*Abstract Author:* Antonietta Robino (Trieste, Italy)

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*Abstract Author:* Jothydev Kesavadev (Thiruvananthapuram, India)

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*Abstract Author:* Gianluca Tornese (Trieste, Italy)
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*Abstract Author:* Susana Patton (Jacksonville, United States)
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*Abstract Author:* Julie Gettings (Philadelphia, United States)
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*Abstract Author:* Peesay Mohana (Bangalore, India)
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*Abstract Author:* Vania Vargas (Londrina, Brazil)

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*Abstract Author:* yeshiwas sewagegn (Addis Ababa, Ethiopia)
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*Abstract Author:* Mert Uçar (Istanbul, Turkey)

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*Abstract Author:* Satish Hulikere (Warrington, United Kingdom)

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*Abstract Author:* Tiago Jeronimo dos Santos (Almeria, Spain)

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*Abstract Author:* Nguyen Thi Thu Ngan (Ho Chi Minh, Vietnam)

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*Abstract Author:* Jonathan Mark Robinson (Wigan, United Kingdom)

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*Abstract Author:* Kit Yee Wong (Hong Kong, Hong Kong)

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*Abstract Author:* VEDITHA G (Bengaluru, India)

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*Abstract Author:* Jennifer J. McVean (Northridge, United States)

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*Abstract Author:* Luis Fernandez-Luque (Santa Cruz, United States)

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*Abstract Author:* Gregory Forlenza (Aurora, United States)

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*Abstract Author:* Abdul Hameed (Karachi, Pakistan)

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*Abstract Author:* Lindsay Sawatsky (Winnipeg, Canada)
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*Abstract Author:* Mariam Oniani (Tbilisi, Georgia)
- P-475                    **A severe emergency: hyperosmolar hyperglycemic state as an initial manifestation of type ii diabetes mellitus in adolescents**  
*Abstract Author:* Tomas Gombala (Vienna, Austria)
- P-476                    **Increased incidence rate of type 1 diabetes in children under 18 years of age and differences in phenotype during the COVID-19 pandemic in Sweden**  
*Abstract Author:* Elsa Palmkvist (Lund, Sweden)
- P-477                    **Glycemic control in youth diagnosed with diabetes mellitus (DM) during the COVID pandemic: reason for concern**  
*Abstract Author:* Uma Muzumdar (Pittsburgh, United States)
- P-478                    **Five-year evaluation of the use of accucheck-spirit combo in T1D children and adolescents treated in a specialized outpatient clinic in the public health care system in Brazil**  
*Abstract Author:* Beatriz Semer (São Paulo, Brazil)
- P-479                    **Transition between pediatric and adult diabetes healthcare services: an online global survey of experiences and perceptions of young people with diabetes and their carers**

*Abstract Author:* Laura Cudizio (São Paulo, Brazil)

P-480                    **Glycaemic control of children and adolescents in the United Arab Emirates with type 1 diabetes: a narrative review**

*Abstract Author:* Sara Adhami (Petrie, Australia)

P-481                    **Prevalence of insulin resistance, contributing factors and its association with metabolic profile in children with type 1 diabetes**

*Abstract Author:* Sukrutha Surandran (Bangalore, India)

P-482                    **Asymptomatic diabetes among secondary school adolescents**

*Abstract Author:* Linda Nwokeji-Onwe (Abakaliki, Nigeria)

P-483                    **Diabetic ketoacidosis as the initial presentation in newly diagnosed type 1 diabetes mellitus: a single center retrospective analysis from south central India**

*Abstract Author:* Vijay Sheker Reddy Danda (Hyderabad, India)

P-484                    **Addressing equity in type 1 diabetes services in the Philippines: a multisectoral, inclusive development approach**

*Abstract Author:* Danwell Esperas (Brgy.43-A, Philippines)

P-485                    **Diabetes mellitus in a boy with kearns sayre syndrome**

*Abstract Author:* Teresa Wolniewicz (Warsaw, Poland)

P-486                    **Demographic, clinical, and psychosocial predictors of diabetes self-management trajectories over 9-years in adolescents with type 1 diabetes**

*Abstract Author:* Alan Delamater (Miami, United States)

P-487                    **Exploring MODY phenotypes worldwide in the SWEET database**

*Abstract Author:* Lily Deng (Cincinnati, United States)

P-488                    **Pathways for type1 diabetes care in Tanzania: a qualitative study**

*Abstract Author:* Manar Marzouk (London, United Kingdom)

P-489                    **Progression of diabetes in a patient with a de novo tnfaip3 mutation**

*Abstract Author:* Athanasia Bouliari (NY, United States)

P-490                    **Comparative evaluation of HbA1c before and after introduction of hybrid closed loop (HCL) systems in paediatric diabetic patients at doncaster royal infirmary (DRI), UK**

*Abstract Author:* Hany Alsayed (Doncaster, United Kingdom)

P-491                    **Prevalence of type 1 diabetes (T1D) among siblings of index cases attending tertiary care setting**

*Abstract Author:* santhosh oley (Bengaluru, India)

P-492                    **Extending the treatment limits for T1D and obesity in adolescents - case presentation**

*Abstract Author:* Auste Pundziute Lyckå (Borås, Sweden)

P-493                    **Approaches of pediatric diabetes team members regarding the treatment, monitoring and supporting children with type 1 diabetes in Turkey**

*Abstract Author:* Gul Yesiltepe Mutlu (Turkey)

P-494                    **Effect of age, period, and birth cohort on diabetes mellitus mortality rate in Colombia, 1983-2022. An analytical cross-sectional study**

*Abstract Author:* Juan Pablo Pérez Bedoya (Medellín, Colombia)

P-495                    **Behavioral self-control and glycemic control in adolescents with type 1 diabetes: serial mediation by family conflict and self-management behaviors**

*Abstract Author:* Alan Delamater (Miami, United States)

P-496                    **Feasibility of evisits for routine blood glucose review at a large pediatric medical center in the usa**

*Abstract Author:* Yoori Noh (Cincinnati, United States)

P-497                    **Evaluation of the follow-up of 90 young people withdrawn from the CDiC program in Guinea**

*Abstract Author:* Amadou KAKE (Conakry, Guinea)

P-498                    **Difficulties and constraints in the management of type diabetes in children and adolescents in Niger**

*Abstract Author:* MAHAMANE AMINOU MAHAMANE SANI (NIAMEY, Niger)

P-499                    **Challenges in the diagnosis and management of type 1 diabetes in children in Colombia**

*Abstract Author:* Diana Bulla (Bogotá, Colombia)

P-500                    **Survey on the medical management of diabetes in Guinea**

*Abstract Author:* Amadou Kaké (Conakry, Guinea)

P-501                    **ConnecT1D continued: quality improvement (QI) care model interventions designed to achieve excellent and equitable glycemic and psychosocial outcomes for youth with type 1 diabetes (T1D)**

*Abstract Author:* Sarah Corathers (Cincinnati, United States)

P-502                    **Feasibility of CGM use in youth with type 2 diabetes prescribed infrequent glucose monitoring: a randomized controlled trial**

*Abstract Author:* Tejal Patel (Washington DC, United States)

P-503                    **Using carbohydrate counting is associated with lower HbA1c, independent of time of commencement**

*Abstract Author:* Elisabeth Jelleryd (Stockholm, Sweden)

P-504                    **Analogue vs human insulin for youth with type 1 diabetes in low-resource settings: an explanatory qualitative study of human1 trial**

*Abstract Author:* Eimhin Ansbro (London, United Kingdom)

P-505                    **Is migratory background associated with less favorable care and outcomes in young people with type 1 and type 2 diabetes in Germany?**

*Abstract Author:* Marie Auzanneau (Ulm, Germany)

P-506                    **Extending the treatment limits for T2D in adolescents - case presentation**

*Abstract Author:* Auste Pundziute Lyckå (Borås, Sweden)

P-507                    **Assessment of knowledge about diabetes in children and adolescents followed in the paediatrics department of the chu de yopougon and in the diabetes clinic of the chu treichville abidjan-côte d'ivoire as part of the CDiC project**

*Abstract Author:* Amenan Gisèle YA (ABIDJAN, Cote D'Ivoire)

P-508                    **In the search for the beginning of metabolic memory - reanalysis of public and single reference center glucose control data in the first 5 years after type 1 diabetes diagnosis**

*Abstract Author:* Jędrzej Chrzanowski (Lodz, Poland)

P-509                    **Development of a patient-driven occupational therapy caregiver support telehealth intervention to improve family participation and diabetes self-efficacy (real-fam)**

*Abstract Author:* Vanessa Jewell (Chapel Hill, United States)

P-510                    **Magnesium level during diabetic ketoacidosis: its impact on other electrolytes and relation to therapy outcomes**

*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)

- P-511 **Improved glycemic control in adolescents and young adults with type 1 diabetes (T1D) is associated with less diabetes distress and positive glucose monitoring perceptions**  
*Abstract Author:* Amit Shapira (Boston, United States)
- P-512 **Are Australian students with type 1 diabetes safe at school? A consumer perspective**  
*Abstract Author:* Peter Goss (Australia)
- P-513 **Co-designing a hybrid closed loop values-based shared decision-making AID**  
*Abstract Author:* Matthew Guy (Southampton, United Kingdom)
- P-514 **Continuous glucose monitoring metric in children and adolescents with obesity: an observational pilot study**  
*Abstract Author:* Valentina Mancioppi (Verona, Italy)
- P-515 **Expression pattern of MicroRNA-155 in patients with type 1 diabetes**
- P-516 **Diabetes mellitus type 1 in Colombia and how it intervenes in the family and educational field**  
*Abstract Author:* MARIA DEL PILAR NUÑEZ SAAVEDRA (BOGOTA, Colombia)
- P-517 **Including patient empowerment in diabetes communication**  
*Abstract Author:* Gavin Griffiths (London, United Kingdom)
- P-518 **Expression profile of MicroRNA-21 in patients with type 1 diabetes mellitus**
- P-519 **Persistent sex differences in cardiovascular disease risk factors: a cohort study in youth with type 1 diabetes**  
*Abstract Author:* Darja Smigoc Schweiger (Ljubljana, Slovenia)
- P-520 **Developing a pediatric diabetes clinic with a person-centered care model: an experience from a portuguese hospital**  
*Abstract Author:* Sara Martins (Alcabideche, Portugal)
- P-521 **Mercury, lead, and cadmium levels among children with type 1 diabetes in Ismailia, Egypt**
- P-522 **Frequency of affected siblings with type 1-diabetes and common risk-associated genetic polymorphisms among an Egyptian cohort of children and adolescents with diabetes**  
*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)
- P-523 **Frequency of subclinical lipodystrophy among children and adolescents with type 1 diabetes**  
*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)
- P-524 **Low-dose versus standard-dose insulin infusion in pediatric diabetic ketoacidosis**
- P-525 **The Uganda national type 1 diabetes programme**  
*Abstract Author:* Silver Bahendeka (Kampala, Uganda)
- P-526 **Challenges of diagnosis and management of infant diabetes: about 4 cases at CHUME N'Djamena**  
*Abstract Author:* DJAURY Dadjia (N'djamena, Chad)
- P-527 **Particularities of type 1 diabetes in children under 5 year Dakar**  
*Abstract Author:* mbaye aminata (dakar, Senegal)
- P-528 **The digibete app; implementation and evaluation for the scottish pilot**  
*Abstract Author:* Madeleine Julian (Leeds, United Kingdom)

- P-529                    **Diabetes distress among adolescents with type 1 DM in tertiary diabetes centers in Nigeria**  
*Abstract Author:* Abiola Oduwale (Lagos, Nigeria)
- P-530                    **Incidence of type 1 diabetes in children and adolescents during the COVID-19 pandemic: epidemiological and clinical profile at laquintinie hospital, Douala**  
*Abstract Author:* Gaelle Claude Ntsoli Kofane (Douala, Cameroon)
- P-531                    **Insufficient sleep in infancy and risk of childhood overweight and obesity**  
*Abstract Author:* Eimear O'Connell (Edinburgh, Ireland)
- P-532                    **Sleep disorders among adolescents with and without type-1 diabetic**  
*Abstract Author:* Fatemeh Saffari (Qazvin, Iran)
- P-533                    **Perceptions and challenges of transition from syringes to insulin pen use among young diabetes patients in Bangladesh: a qualitative study**  
*Abstract Author:* Ajmina Hasan Flabe (Dhaka, Bangladesh)
- P-534                    **A study on the autoantibody level distribution in type 1 diabetes and its association with clinical characteristics in a tertiary care center in south India**  
*Abstract Author:* Rakesh Sahay (Hyderabad, India)
- P-535                    **Bone health in type 1DM**  
*Abstract Author:* Rakesh Sahay (Hyderabad, India)
- P-536                    **The effect of diabetes education on knowledge and awareness levels of classroom teachers about type 1 diabetes**  
*Abstract Author:* İsmail ÇETİNTAŞ (Edirne, Turkey)
- P-537                    **Remission of type 1 diabetes mellitus and associated factors in children and adolescents at a tertiary hospital in a developing African country**  
*Abstract Author:* Ibiwonke Akinola (Ikeja, Nigeria)
- P-538                    **Resilience rising: integrated efforts in pediatric diabetes care in humanitarian setting -the Sudan model**  
*Abstract Author:* Salwa Musa (Khartoum, Sudan)
- P-539                    **Epidemiological and clinical aspects of diabetic ketoacidosis at the emergency department of Angre university hospital center, medical pediatric in Abidjan**  
*Abstract Author:* sy kadidia Savané (Abidjan, Cote D'Ivoire)
- P-540                    **A comprehensive understanding of adolescents' and young adults' experiences throughout the stages of healthcare transition in common chronic conditions. A qualitative study**
- P-541                    **Fanconi-bickel syndrome, when should insulin be used?**  
*Abstract Author:* Sonia Benferhat (Oran, Algeria)
- P-542                    **Early glycaemic control in children with type 1 diabetes on a novel early intensive therapy model of care**  
*Abstract Author:* Meher Saini (Geelong, Australia)
- P-543                    **A study to evaluate the efficacy, ease, safety, and convenience of insulin pen devices over conventional insulin vials/syringes among patients with type 1 diabetes mellitus in a resource-poor setting**  
*Abstract Author:* Ramya Obbai Manohar (bangalore, India)
- P-544                    **Looping forward in diabetes**  
*Abstract Author:* Jenny Dixon (Antrim, United Kingdom)

- P-545 **Epidemiology of type 1 diabetes in podlasie region, Poland, in years 2010-2022 - 13-years-single-center study, including COVID-19 pandemic perspective.**

*Abstract Author:* Barbara Glowinska-Olszewska (Bialystok, Poland)

- P-546 **Evaluation of emotional and sexual relationships in adolescents and young adults living with chronic illness - diabetes mellitus type 1**

- P-547 **A systematic review of interventions in general practice to reduce diagnostic delay when diagnosing paediatric type 1 diabetes**

*Abstract Author:* Chiara Beccia (Melbourne, Australia)

- P-548 **First experience in the use of intermittent glucose monitoring during a camp for children and adolescents with type 1 diabetes in Mexico: benefits and challenges**

*Abstract Author:* Emma Lucila Picasso Rivera (Mexico City, Mexico)

- P-549 **Closed Loop 780g system and children with type 1 diabetes followed for one year: lessons learned from diabetes educators**

*Oral Session*  
11:45 - 13:15

Session Hall 3

**Oral Session III: Psychological and Psychosocial aspects of Diabetes**

*Chair:* Steven James (Queensland, Australia)

*Chair:* Sarah Corathers (Cincinnati, United States)

- O-21 **Impact of a new diagnosis of childhood type 1 diabetes on parents' sleep and employment**

*Oral Presenter:* Saira Pons Perez (London, United Kingdom)

- O-22 **Navigating uncertainty and professional insecurity in constrained systems: a grounded theory study of paediatric diabetes professionals' safeguarding and child protection experiences**

*Oral Presenter:* Diana Yardley (Oxford, United Kingdom)

- O-23 **Translation and cross-cultural adaptation of the mind youth questionnaire (MY-Q) into Swedish**

*Oral Presenter:* Anna Lena Brorsson (Huddinge, Sweden)

- O-24 **Insights into disordered eating revealed by insulin pump metrics and continuous glucose monitor data in Australian adolescents with type 1 diabetes**

*Oral Presenter:* Chris Lawrence (New Lambton Heights, Australia)

- O-25 **Psychosocial impacts of automated insulin delivery (AID) in parents of youth with type 1 diabetes (T1D) after 12 months of clinical use**

*Oral Presenter:* Angela J. Karami (Aurora, United States)

- O-26 **Characterizing responders versus non-responders to a new scalable digital treatment for diabetes distress in families of school-age children with type 1 diabetes**

*Oral Presenter:* Alexandra Monzon (Orlando, United States)

- O-27 **Improving psychological outcomes in youth with type 1 diabetes and their caregivers: feasibility trial of the LIFT wellbeing app**

*Oral Presenter:* Anna Serlachius (Auckland, New Zealand)

- O-29 **Coping with diabetes: supporting mental health and emotional wellbeing for 10-14 year olds living with type 1 diabetes**

*Oral Presenter:* Madeleine Julian (Leeds, United Kingdom)

- O-30 **First-degree relatives with high-risk islet autoantibodies less likely to engage in follow-up**

*Oral Presenter:* Holly O'Donnell (Aurora, United States)

## Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 1: Diabetes-Associated Diseases**

Chair: Kim Donaghue (Westmead, Australia)

Chair: Riccardo Bonfanti (Milano, Italy)

- P-80 **Are we meeting the ISPAD 2022 clinical practice consensus guidelines regarding management of children with type 1 diabetes and celiac disease?**

Poster Presenter: Maja Raicevic (Podgorica, Montenegro)

- P-81 **Type 1 diabetes and neurodevelopmental and neurological disorders in children and adolescents in central Poland**

Poster Presenter: Hanna Kuśmierczyk-Kozieł (Lodz, Poland)

- P-82 **Prevalence of anti-parietal cell antibodies positivity in children and adolescents with type 1 diabetes in Modena (Italy)**

Poster Presenter: Beatrice Prampolini (Modena, Italy)

- P-83 **Association of body mass index, sex and age with islet-cell autoantibodies and endocrine autoimmunity in 28,725 children and adolescents with type 1 diabetes: a multicentre DPV-registry study**

Poster Presenter: Claudia Boettcher (Bern, Switzerland)

- P-84 **Outcomes of triple therapy (elexacaftor/tezacaftor/ivacaftor) in Cystic fibrosis-related diabetes: a real-life case study from a Brazilian reference center**

Poster Presenter: Marianna Zorron (Brazil)

- P-85 **Two Pakistani families with a DEND syndrome**

Poster Presenter: Ayesha Abdul Razzaq (Islamabad, Pakistan)

- P-87 **Autoimmune diseases and comorbidities in children and adolescents with diabetes mellitus type 1**

Poster Presenter: Ioanna Kalaitzidou (Thessaloniki, Greece)

- P-88 **Combined autoimmune-autoinflammatory diseases: case presentation and the search for mutual pathophysiological mechanism**

Poster Presenter: Ingrida Stankute (Kaunas, Lithuania)

- P-89 **Type I diabetes mellitus and cardiovascular risk in pediatric age**

Poster Presenter: Joana Almeida Monteiro (Viseu, Portugal)

- P-86 **Coeliac disease and diabetes in children and young people: epidemiological, clinical and metabolic aspects**

Poster Presenter: Asmae Touzani (Rabat, Morocco)

## Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 2: Automated Insulin Delivery, Closed Loop**

Chair: Gregory Forlenza (Aurora, United States)

Chair: Maartje de Wit (Amsterdam, Netherlands)

- P-90 **Real-World Outcomes with a Tubeless AID System for >6,300 Children, Adolescents, and Young Adults with High HbA1c (>9%, >75mmol/mol) at Baseline**

Poster Presenter: Daniel J. DeSalvo (Houston, United States)

- P-91 **Perceptions of hyper and hypoglycemia symptoms vs actual CGM values in adolescents and young adults with type 1 diabetes**

Poster Presenter: Emily Jost (Aurora, United States)

- P-92 **Safety and glycemic outcomes among youth with new onset type 1 diabetes using a tubeless automated insulin delivery system**



Poster Presenter: Daniel J. DeSalvo (Houston, United States)

P-93 **Clinical outcomes with Automated Insulin Delivery System therapy in children <7 years with type 1 diabetes**

Poster Presenter: Nihal Gül Uslu (Izmir, Turkey)

P-94 **Real-World Performance of the Medtronic Safe Meal Bolus Feature in Children**

Poster Presenter: Andrea Benedetti (Northridge, United States)

P-95 **Can time in range or time in tight range replace HbA1c?**

Poster Presenter: Damla Goksen (Izmir, Turkey)

P-96 **Little loopers - a case series of hybrid closed-loop usage with standard and diluted insulin in very young children with diabetes mellitus**

Poster Presenter: Benjamin G. Fisher (Cambridge, United Kingdom)

P-98 **Sustained efficacy of an advanced hybrid closed loop system: findings from a one-year real-world study in children and adolescents with type 1 diabetes**

Poster Presenter: Stefano Passanisi (Messina, Italy)

P-99 **The educational needs of families during the first year with the hybrid closed-loop system in young people with type 1 diabetes: what have we learned from our experiences to support them?**

Poster Presenter: Julie Pelicand (San Felipe de Aconcagua, Chile)

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

#### **Poster Corner 5: Psychological and Psychosocial aspects of Diabetes**

Chair: Ananta Addala (Stanford, United States)

Chair: Jill Weissberg-Benchell (Chicago, United States)

P-121 **ROUTE-T1D: a family behavioral intervention to enhance continuous glucose monitor use among racially minoritized youth: medical and demographic correlates of session attendance**

Poster Presenter: Emma Straton (Washington, United States)

P-122 **Disordered eating screening within a pediatric diabetes clinic**

Poster Presenter: Nicole Andorko (Philadelphia, United States)

P-123 **Investigating associations among demographics, medical variables, caregiver fear of hypoglycemia, and sleep quality among parents of children with type 1 diabetes (T1D)**

Poster Presenter: Rachel Longendyke (Washington, United States)

P-124 **Stakeholder needs for diabetes technology interventions vary by preferred language**

Poster Presenter: Ricardo Medina Penaranda (Palo Alto, United States)

P-125 **Parental burnout associated with type 1 diabetes - preliminary results**

Poster Presenter: Ângela Dias (Guimarães, Portugal)

P-126 **Adverse childhood experiences in children with type 1 diabetes has an impact on glycaemic control, clinic attendance and engagement post-transition to adult care**

Poster Presenter: Stine Møller Sildorf (Herlev, Denmark)

P-127 **Understanding the lived experiences of the development and maintenance of disordered eating behaviours (DEB) in type 1 diabetes (T1D) in paediatric diabetes care to inform eating disorder prevention interventions: prevent T1De**

P-128 **Parental psychosocial variables and glycemic control in T1D pediatric age: a systematic review**

Poster Presenter: Vasco Costa (Lisboa, Portugal)

P-302 **Efficacy of telehealth self-management support for young adults with type 1 diabetes: the resilient, empowered, active living with diabetes telehealth (REAL-T) study**

Poster Presenter: Elizabeth Pyatak (Los Angeles, United States)

P-307 **Perception of psychosocial constraints experienced by type 1 diabetic children in ivory coast**

Poster Presenter: Louise Odile BEDJI-MOKE (ABIDJAN, Cote D'Ivoire)

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 6: Chronic Complications**

Chair: Eda Cengiz (San Francisco, United States)

Chair: Madhura Karguppikar (Pune, India)

P-130 **Rare case of complex regional pain syndrome in a sweet girl**

Poster Presenter: Vani Hebbal Nagarajappa (Bangalore,, India)

P-131 **Relationship of limited joint mobility (LJM) and growth impairment in Indian children and adolescents with type 1 diabetes (T1D)**

Poster Presenter: Nimisha Dange (Pune, India)

P-132 **Comprehensive lipid and metabolite profiling of youth with childhood onset type 1 diabetes compared to healthy controls: results from the 5-year follow-up of the norwegian ACD study**

Poster Presenter: Hanna Margeirsdottir

P-134 **Early increase in carotid intima-media thickness in females with childhood onset type 1 diabetes compared to healthy peers: the norwegian atherosclerosis in childhood diabetes study (ACD)**

Poster Presenter: Hanna Margeirsdottir

P-136 **Longitudinal trends in muscle function of Indian children and youth with type-1 diabetes: a 5-year follow up from a single center**

Poster Presenter: Chirantap Oza (Pune, India)

P-138 **Bladder dysfunction in adolescents with type 1 diabetes**

Poster Presenter: Vinni Faber Rasmussen (Randers, Denmark)

P-139 **Adipokines polymorphism among children with type 1 diabetes; role in peripheral artery disease**

Poster Presenter: Nouran Salah (Cairo, Egypt)

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 8: Diabetes Education**

Chair: Banshi Saboo (Ahmedabad, India)

Chair: Vera Zdravkovic (Belgrade, Serbia)

P-150 **Pathways: health in schools for children with type one diabetes and a healthy eating**

Poster Presenter: FLORENCIA GRABOIS (Neuquen, Argentina)

P-151 **Assessing the environmental impact of type 1 diabetes (DM1) management education: a study on waste reduction practices**

Poster Presenter: Filipa Espada (Matosinhos, Portugal)

P-152 **Gamellito adventures: video games as a tool for children to learn about T1D**

Poster Presenter: Vania Vargas (Londrina, Brazil)

P-153 **Exploring the structured insulin pump therapy (IPT) pathway for children and adolescents with T1D at sidra medicine (Qatar): a six-years review**

P-154 **A low-cost intensive structured virtual training program can be a game changer for limited resource settings: analysing costs of the pediatric diabetes educator program IDEAL (ISPAE diabetes education and learning)**

Poster Presenter: santhosh oley (Bengaluru, India)

P-155 **Health literacy in children and adolescents with type 1 diabetes and associations with glycaemic control**

Poster Presenter: Angela Galler (Berlin, Germany)

P-156 **Novel diabetes education program for latinos with T1D: multi-site study**

Poster Presenter: Erika Rodriguez (Aurora, United States)

P-157 **Reproductive health (RH) and gestational diabetes (GDM) knowledge mediates the intervention effect on self-efficacy for pregnancy planning in dyads of American Indian and Alaska Native (AIAN) female adolescents and young adults (FAYAs) at risk for GDM and their adult female caregivers**

Poster Presenter: Susan Sereika (Pittsburgh, United States)

P-158 **Supporting children with type 1 diabetes: a mixed methods evaluation of a hospital-based education programme for school personnel**

Poster Presenter: Eleanor Hollywood (Dublin, Ireland)

P-159 **Differences in continuous glucose monitoring (CGM) metrics in minoritized children with a new type 1 diabetes (T1D) diagnosis**

Poster Presenter: Rebecca Barber (Los Angeles, United States)

#### Poster Session

15:15 - 16:15

Exhibition + Posters Hall

#### Poster Corner 3: Childhood Obesity and Type 2 Diabetes

Chair: Adele Bodieu Chetcha (Yaounde, Cameroon)

Chair: Jess Forster (Markham, Canada)

P-100 **Metabolic and bariatric surgery in adolescents - efficacy and outcome predictors: a prospective, observational study**

Poster Presenter: Reem Hassan Beck (Abu Dhabi, United Arab Emirates)

P-102 **Sustaining adolescent obesity management through telemedicine: insights from a retrospective study**

Poster Presenter: Felix Reschke (Hanover, Germany)

P-103 **Paediatric type 2 diabetes in the republic of Ireland: a concerning increase?**

Poster Presenter: Michael O'Grady (Mullingar, Ireland)

P-104 **Type 2 diabetes in a pediatric case with SQSTM1 mutation resolved quickly with empagliflozin: is this related to autophagy mechanism?**

Poster Presenter: Ilknur Arslanoglu (Duzce, Turkey)

P-105 **The development of age and maturity appropriate resources for young people up to the age of 25, who are pregnant or planning pregnancy, and living with type 2 diabetes**

Poster Presenter: Madeleine Julian (Leeds, United Kingdom)

P-107 **Increased insulin secretion and decreased insulin sensitivity in south asian youth without diabetes in the U.S**

Poster Presenter: Sheela Magge (Baltimore, United States)

P-108 **Greater liver fat is associated with divergent metabolic responses among south Asian, white, and African American youth without diabetes in the U.S**

*Poster Presenter:* Sheela Magge (Baltimore, United States)

P-109 **Social, emotional, and cognitive challenges and depressive symptoms in emerging young adults with youth-onset type 2 diabetes**

*Poster Presenter:* Sophia Glaros (Bethesda, United States)

*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 4: Diabetes and COVID, Diabetes in Developing Countries and Migrant Populations**

*Chair:* Wafaa Laymoun (Mansoura, Egypt)

*Chair:* Daniele Pacaud (Calgary, AB, Canada)

P-110 **Investigating the seasonal pattern and incidence of type 1 diabetes pre and post COVID-19 in children and young people in England and wales**

*Poster Presenter:* Cillian Brophy (London, United Kingdom)

P-111 **COVID-19 - three geographic regions, three lockdown strategies and risk of type 1 diabetes**

*Poster Presenter:* Susanna Tall (Helsinki, Finland)

P-112 **C-peptide and glutamic acid decarboxylase autoantibodies in the classification of diabetes mellitus in children and young people in Lagos, Nigeria: a cross-sectional study**

*Poster Presenter:* Elizabeth Oyenusi (Lagos, Nigeria)

P-113 **Impact of continuous glucose monitoring and healthcare coverage on the trends of HbA1c and insulin dosage in latin American children with type 1 diabetes onset over three-year period**

*Poster Presenter:* Valeria Hirschler (Buenos Aires, Argentina)

P-114 **Time trend of BMI-SDS before, during and after the COVID-19 pandemic: data from the sweet diabetes registry**

*Poster Presenter:* Beata Mianowska (Lodz, Poland)

P-115 **Beyond twice daily insulin in a low income country- exploring children and adolescents' perspectives on transitioning to a multiple daily insulin regimen in Laos**

*Poster Presenter:* Amphayvanh Manivong (Chanthabuli, Laos)

P-116 **Sustained improvements in glycaemic control using flexible insulin dosing in a low-income setting**

*Poster Presenter:* Peerzada Ovais Ahmad (Srinagar, India)

P-117 **Diabetes education academic league: the first year outcomes**

*Poster Presenter:* Giselle Tenório (Maceió, Brazil)

P-118 **Mortality and low C-peptide levels in children and adolescents diagnosed with type 1 diabetes in Cameroon: a case series from the young-onset diabetes in Sub-Saharan Africa (YODA) study**

*Poster Presenter:* Jean Claude Katte (Exeter, United Kingdom)

P-119 **Linking type 1 diabetes mellitus data to public health action: Kenya experience**

*Poster Presenter:* Dominic Ongaki (Nairobi, Kenya)

*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Tour**

## Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 7: Lifestyle, Nutrition and Exercise**

Chair: Lori Laffel (Boston, United States)

Chair: Othmar Moser (Graz, Austria)

**P-140 Physical activity in children and young adults with type 1 diabetes**

Poster Presenter: Mary Pat Gallagher (New York City, United States)

**P-141 Is there an association between the start of cigarette smoking and the course of glycemic control in young people with type 1 diabetes?**

Poster Presenter: Alexander J. Eckert (Ulm, Germany)

**P-142 Glucose variability and glycaemic responses to food composition at breakfast in children and young people with type 1 diabetes**

Poster Presenter: Julie Johnson (Stirling, United Kingdom)

**P-143 The breakfast rise education and knowledge study (the BREAK study)**

Poster Presenter: Julie Johnson (Stirling, United Kingdom)

**P-144 Knowledge of carbohydrate counting and insulin dose calculations in adolescents with type 1 diabetes mellitus - which priorities?**

Poster Presenter: Raquel Oliveira (Leiria, Portugal)

**P-145 Hiit and resistance training in a cohort of T1DM adolescents: a real-world diabetes camp experience**

Poster Presenter: Cecilia Nobili (Torino, Italy)

**P-146 Qualitative feedback to drive development of an adolescent weight management program for type 1 diabetes**

Poster Presenter: Jennifer Warnick (Providence, United States)

**P-147 Education practices of dietitians across australia and New Zealand around the management of dietary fat and protein in type 1 diabetes and the utility of continuous glucose monitoring: a survey evaluation**

Poster Presenter: Carmel Smart (Newcastle, Australia)

**P-148 Short-term low-carbohydrate diet leads to increased time in range in children with type 1 diabetes**

Poster Presenter: Vít Neuman (Prague, Czech Republic)

**P-149 Dietary patterns and adherence in children with type 1 diabetes: a hospital based cross-sectional study from India**

## Oral Session

16:30 - 18:00

Workshop Room

**Oral Session IV: Diabetes Aetiology, Epidemiology and less common forms**

Chair: Priya Prahalad (Stanford, United States)

Chair: Claudia Piona (Verona, Italy)

**O-31 Does children and adolescents with type 1 diabetes (T1D) and attention deficit hyperactivity disorder (ADHD) have a worse metabolic outcome than children with T1D without ADHD? - the norwegian childhood diabetes registry (ncdr)**

Oral Presenter: Kristin Andersen Bakke (Oslo, Norway)

**O-32 Management of the neonatal diabetes mellitus: results of the ISPAD jenious neonatal diabetes (JENODY) survey**

Oral Presenter: Maurizio Delvecchio (L'Aquila, Italy)

**O-33 Regional deprivation and diabetic ketoacidosis upon diagnosis with type 1 diabetes in children and adolescents: international**

**comparison among six countries from three continents**

Oral Presenter: Guy Todd Alonso (Aurora, United States)

- O-34 **Interim results from a phase 2, open-label study evaluating an oral, fixed-dose combination of sodium phenylbutyrate and taurursodiol in wolfram syndrome (HELIOS)**

Oral Presenter: Lahar Mehta (Cambridge, United States)

- O-35 **HNF4a- and HNF1A-MODY in italian youths: a real-world study about management and blood glucose control**

Oral Presenter: Maurizio Delvecchio (L'Aquila, Italy)

- O-36 **Demographic and clinical characteristics of children with type 1 diabetes: a real-world data from CDiC- Pakistan**

Oral Presenter: Erum Ghafoor (karachi, Pakistan)

- O-37 **MODY calculator: inclusion of biomarkers improves discrimination in paediatric diabetes population with monogenic diabetes**

Oral Presenter: Pedro Cardoso (Exeter, United Kingdom)

- O-38 **Defective blood glucose control is associated with high frequency of tr3-56 immune cells during T1D progression**

Oral Presenter: Enza Mozzillo (Naples, Italy)

- O-39 **Loss of multiple islet autoantibody status during progression to type 1 diabetes**

Oral Presenter: Kimberly Simmons (United States)

- O-40 **Hyperglucagonemia and inappropriate glucagon response occurs prior clinical onset of type 1 diabetes**

Oral Presenter: Helena Kontola (Turku, Finland)

- O-62 **Family ties and screening whys: Decisions in islet autoantibody testing for type 1 diabetes**

Oral Presenter: Korey Hood (Stanford, United States)

**Friday, 18. October 2024***Posters*

07:30 - 18:00

ePosters on Display

**e-Posters (viewable during whole conference, no oral presentations)**

- P-72                    **European action for the diagnosis of early non-clinical type 1 diabetes for disease interception: the EDENT1FI project**

*Abstract Author:* Jurgén Vercauteren (Leuven, Belgium)

- P-74                    **Attempt clinical trial evaluating SGLT2i in youth with type 1 diabetes**

- P-120                  **Empowering minds and bodies: the impact of outreach programs on mental health and daily management in type 1 diabetes**

*Abstract Author:* Seetohul Philippe Ghanisha (Quatre Bornes, Mauritius)

- P-129                  **Fear of death in adolescents with type one diabetes and their parents**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

- P-194                  **Glucocorticoid-induced hyperglycemia leading to early diagnosis of type 1 diabetes (T1D) in an 8-year-old boy with non-classical autoimmune polyendocrine syndrome type 1 (APS1)**

*Abstract Author:* Ioanna Kosteria (Athens, Greece)

- P-200                  **Helping teenagers with type 1 diabetes and their parents cope with the challenges of diabetes management: a delphi study**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

- P-229                  **Islet autoantibody positive general population individuals have smaller pancreas volume compared to control individuals**

*Abstract Author:* Taylor Triolo (Aurora, United States)

- P-230                  **Mastering Ramadan: empowering children, teens and parents with advanced hybrid closed-loop (ACHL) system for safe fasting: Qatar's experience**

- P-231                  **Glycemic balance in a cohort of older adolescents and young adults with T1D followed long-term in a pediatric setting. Effect of the COVID years**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

- P-232                  **Early sulphonylurea treatment improves non-verbal IQ in KCNJ11-related iDEND (developmental delay, epilepsy and neonatal diabetes)**

*Abstract Author:* Pamela Bowman (Exeter, United Kingdom)

- P-233                  **School-aged children and the management of type 1 diabetes in the primary school environment: an investigation of how to support children**

*Abstract Author:* Tracey O'Neill (Dublin, Ireland)

- P-234                  **Parental satisfaction and challenges in managing type 1 diabetes in school-aged children: insights from the primary school environment**

*Abstract Author:* Eleanor Hollywood (Dublin, Ireland)

- P-235                  **Novel use of vildagliptin in a closed-loop system to prevent glycemic excursions of iftar meal during intermittent fasting of ramadan in type 1 diabetes mellitus**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

- P-236                  **Diabetes self-management smartphone application: could it be an alternative for continuous glucose monitoring in low resource**

**settings?**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

P-237                    **Multiple diabetes cases and kidney Anomalies in one family**

*Abstract Author:* Ingrida Stankute (Kaunas, Lithuania)

P-238                    **Type 1 diabetes and schooling: a challenge for continuity of care at yaounde CDiC centers, Cameroon**

*Abstract Author:* Armelle Nkamga (Yaoundé, Cameroon)

P-249                    **Assessment of self-monitoring blood glucose(SMBG) in type 1 diabetes children & adolescents using diaries at vihiga county referral hospital(VCRH), Kenya, 2023**

*Abstract Author:* Mike Endovo (MBALE, Kenya)

P-250                    **Motivational interviewing: a patient centered approach to improve glucose control among children and adolescents with type 1 diabetes(T1D) at vihiga county referral hospital(VCRH), Kenya (2022-2024)**

*Abstract Author:* Jerusa Oluhano (Mbale, Kenya)

P-251                    **Determinants of glycemic control and nutritional status amongst children and adolescents with type 1 diabetes in a rural hospital in Kenya**

*Abstract Author:* Phoebe Wamalwa (Nairobi, Kenya)

P-252                    **Diabetic retinopathy screening in Laos: an inaugural collaborative effort by the Singapore national eye centre and action4diabetes**

*Abstract Author:* Amphayvanh Manivong (Chanthabuli, Laos)

P-253                    **Autoimmune dysthyroiditis and type 1 diabetes : exploratory study on 419 Moroccans children and adolescents**

*Abstract Author:* Asmae Touzani (Rabat, Morocco)

P-254                    **Economic implications of diabetes care for young adults in Kenya**

*Abstract Author:* Sheila Wanjuki (Nairobi, Kenya)

P-255                    **Comparison of different insulin regimens and their efficiency on glycated hemoglobin in monitored type 1 diabetic children as part of the CDiC côte d'ivoire project**

*Abstract Author:* Louise Odile MOKE BEDJI (ABIDJAN, Cote D'Ivoire)

P-256                    **Ethnic disparity in HbA1c and hypoglycaemia among youth with type 1 diabetes: beyond mean blood glucose, social deprivation and access to technology**

*Abstract Author:* John Pemberton (Birmingham, United Kingdom)

P-257                    **The co-existence of type 1 diabetes and myasthenia gravis in a 6-year-old female patient**

*Abstract Author:* Anna Woloszyn-Durkiewicz (Gdansk, Poland)

P-258                    **Comparing the efficacy of newer analogue insulins over conventional insulins in treating children with type 1 diabetes mellitus**

*Abstract Author:* Lakshmi Deepika Relangi (Banglore, India)

P-259                    **Severe hypertriglyceridemia with new-onset diabetes type 1 without ketoacidosis**

*Abstract Author:* Marta Bandura (Gdansk, Poland)

P-260                    **COVID-19 infection and diabetes,type 1 diabetes or another type?**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

P-261                    **Quality of life in type 1 diabetes: a comparative analysis of treatment modalities in a predominantly hispanic population**

*Abstract Author:* Adriana Carrillo Iregui (Miami, United States)



- P-262                    **Glucometabolic control before and after a low-glycemic index diet intervention in adults newly diagnosed with ABCC8 gene mutation**  
*Abstract Author:* Francesco Maria Rosanio (Naples, Italy)
- P-263                    **Understanding needs and increasing T1D engagement (UNITE): participant perspectives from the 4t and 4t exercise study**  
*Abstract Author:* Lauren E. Figg (Palo Alto, United States)
- P-264                    **Type 1 diabetes mellitus and COVID-19: glycemic control before, during and after the pandemic**  
*Abstract Author:* Raquel Oliveira (Leiria, Portugal)
- P-265                    **Genetic risk scores, ancestry, and autoantibodies in children and adolescents with newly diagnosed diabetes**  
*Abstract Author:* Hector Ortega (Palo Alto, United States)
- P-266                    **Carbohydrates intake in children and adolescents with type 1 diabetes mellitus and its relation with physical activity**  
*Abstract Author:* Gianluca Tornese (Trieste, Italy)
- P-268                    **Mobile apps and challenges for type 1 diabetes control in children**  
*Abstract Author:* Rositsa Stoycheva (Varna, Bulgaria)
- P-269                    **Effect of nutrition education intervention on glycemic control and nutritional status in children with type 1 diabetes: a randomized controlled trial**  
*Abstract Author:* PRASANNA Kumar (Bengaluru, India)
- P-270                    **Examining the impact of maternal insulin therapy on proinflammatory cytokines, chemokines, and regulatory T cells in infants born to mothers with gestational diabetes**
- P-271                    **A rare case of digenic MODY responsive to sulfonylurea treatment: coexistence of pathogenic variants in GCK and HNF1A**  
*Abstract Author:* Nilüfer Uyar (izmir, Turkey)
- P-272                    **Comparative study of type 1 diabetes in children and adolescents of spanish origin and caucasian ethnicity and moroccan origin and maghrebi ethnicity**  
*Abstract Author:* M. Pilar Pérez-Segura (Madrid, Spain)
- P-273                    **Neonatal diabetes about 9 cases**  
*Abstract Author:* Salma Tihamy (casablanca, Morocco)
- P-274                    **Factors associated with the presence and severity and outcome of diabetic ketoacidosis at diagnosis of type 1 diabetes in children and adolescents**
- P-275                    **The comparative study focused on HbA1c level and the numbers of consultation in type 1 diabetes children and young adult at kantha bopha children's hospital between 2019 and 2020**  
*Abstract Author:* Manet Ban (Phnom Penh, Cambodia)
- P-276                    **Effect of socioeconomic factors on glycaemic control, access to technology, BMI status and interactions with healthcare in paediatric diabetes patients**  
*Abstract Author:* Maria Ionescu (Peterborough, United Kingdom)
- P-277                    **Exploring the impact of laughter yoga and clapping exercises on cardiac function in obese adolescents with type 1 diabetes in rural areas of the delhi metro population**  
*Abstract Author:* Sumit Rajput (New Delhi, India)
- P-278                    **Transient neonatal diabetes mellitus with an unknown cause in 1-month infant: a case report**  
*Abstract Author:* Mateusz Tarasiewicz (Katowice, Poland)

- P-279                    **It's like looking for a needle in a haystack: a case report of a retained steel insulin pump infusion set needle**  
*Abstract Author:* Francesca Di Candia (Naples, Italy)
- P-280                    **Health care utilisation and follow-up data of youth with type 1 diabetes after transition to adult care**  
*Abstract Author:* Uğur Cem YILMAZ (IZMIR, Turkey)
- P-281                    **Lifestyle modification knowledge among parents of children with diabetes in Lagos University Teaching Hospital Lagos**  
*Abstract Author:* Tukur Bello (Zaria, Nigeria)
- P-282                    **A case study of hyperglycemia management in neonate**  
*Abstract Author:* Ramouy Dy (Phnom Penh, Cambodia)
- P-283                    **Self-managed insulin injections and its association with lipohypertrophy, pain, and glycemic results in pediatric type 1 diabetes**  
*Abstract Author:* Tiago Jeronimo dos Santos (Almeria, Spain)
- P-284                    **Evaluating the impact of introducing basaglar, a long-acting analog insulin, on quality-of-life outcomes in youth with diabetes in Bangladesh**  
*Abstract Author:* Farhana Ahmed (Dhaka, Bangladesh)
- P-285                    **Poverty-proofing the first health care service that led to a whole-region approach to reduce impact of poverty on accessing paediatric diabetes care**  
*Abstract Author:* Judith Reid (Gateshead, United Kingdom)
- P-286                    **Audit of management of diabetic ketoacidosis in children and young people at the noah's ark children's hospital for wales**  
*Abstract Author:* Alicia Frame (Cardiff, United Kingdom)
- P-287                    **Depressive symptoms in adolescents with and without polyCystic ovary syndrome living with obesity: a prospective, observational study**  
*Abstract Author:* Reem Hassan Beck (Abu Dhabi, United Arab Emirates)
- P-288                    **Utilising technology to provide preclinical care for an infant with suspected (and later confirmed) INS mutation**  
*Abstract Author:* Sarah Black (Nedlands, Australia)
- P-289                    **Healthcare resource utilization in newly diagnosed children with type 1 diabetes in us clinical practice**  
*Abstract Author:* Laura Wilson (Bridgewater, United States)
- P-290                    **Real-world experience of hybrid closed loop (HCL) system in children and adolescents in a uk diabetes centre**  
*Abstract Author:* Stephen Greene (London, United Kingdom)
- P-291                    **Patterns and determinants of serum amylase, lipase concentrations in Indian adolescents and youth with type 1 diabetes (T1D)**  
*Abstract Author:* Nimisha Dange (Pune, India)
- P-292                    **Screening for pancreatic autoantibodies among the first-degree relatives of children and adolescents with type 1 diabetes**  
*Abstract Author:* Rakesh Kumar (Chandigarh, India)
- P-293                    **Nutritional status of the children with newly diagnosed type 1 diabetes**  
*Abstract Author:* Vera Zdravkovic (Belgrade, Serbia)
- P-294                    **Developing a scalable intervention for recognizing signs of diabetes in children at school**  
*Abstract Author:* Rayzel Shulman (Toronto, Canada)

- P-295                    **Assessment of derangements in glucose metabolism in children with transfusion dependent thalassemia: cross sectional analytical study from India**
- P-297                    **Improving rates of physical activity education for youth with type 1 diabetes (T1DM) in a pediatric diabetes clinic**  
*Abstract Author:* Nicole Coles (Toronto, Canada)
- P-298                    **Exploring risk factors for long-term renal complications in type 1 diabetes: a case control study**  
*Abstract Author:* Joana Serra-Caetano (Coimbra, Portugal)
- P-299                    **Is glucose control and quality of life improving with use of a hybrid closed loop system? Evidence in real life**  
*Abstract Author:* Marisa Clemente (Wrexham, United Kingdom)
- P-300                    **Stable glycemic control but increased insulin requirements in children and adolescents with type 1 diabetes before and after diagnosis of celiac disease**  
*Abstract Author:* Marie-Anne Burckhardt (Basel, Switzerland)
- P-301                    **Misdiagnosis of type 1 diabetes and multiple sclerosis: a case of wolfram syndrome**  
*Abstract Author:* Orit Pinhas-Hamiel (Raanana, Israel)
- P-303                    **Aspect of diabetic ketone acidosis on type 1 diabetes mellitus patients at Cambodia-Korea diabetes center(CKDC) in 2023**  
*Abstract Author:* MEN PANHA (Phnom Penh, Cambodia)
- P-304                    **Factors affecting linear growth and growth velocity among Indian children and adolescents with type-1 diabetes: a longitudinal study**  
*Abstract Author:* Chirantap Oza (Pune, India)
- P-305                    **A follow up of an extremely obese girl with diabetes mellitus and pituitary hyperplasia due to severe primary hypothyroidism, mimicking pituitary macroadenoma**  
*Abstract Author:* Aleksandra Janchevska (Skopje, North Macedonia)
- P-306                    **Characterization of oral microbiota and cytokines in children and adolescents with type 1 diabetes**  
*Abstract Author:* Eulalia Catamo (Trieste, Italy)
- P-308                    **A case report: difficulties in the diagnostic process in mitochondrial diabetes**  
*Abstract Author:* Gözde Gürpınar (Kocaeli, Turkey)
- P-309                    **Does automated insulin delivery improve time in range and reduce glucose variability in children < 7 years with type 1 diabetes**  
*Abstract Author:* Nuala Harkin (Sydney, Australia)
- P-310                    **Addressing health inequalities in access to activity for children and young people with type 1 diabetes: a combined community/health approach**  
*Abstract Author:* Elizabeth Procter (Nottingham, United Kingdom)
- P-312                    **Impact of closed-loop systems in metabolic control and quality of life in pediatric patients with type 1 diabetes**  
*Abstract Author:* Nerea Itza Martín (Madrid, Spain)
- P-313                    **Effectiveness of aHCL systems in controlling glycemic levels after a high-fat meal in youths with type 1 diabetes**  
*Abstract Author:* Sara Vandelli (Modena, Italy)
- P-314                    **Glycemic control in preschool children with type 1 diabetes treated with the advanced hybrid closed loop system remains stable - 2-years prospective, observational, two-center study**

*Abstract Author:* Sebastian Seget (Katowice, Poland)

- P-315                    **Unravelling the contribution of MODY genes in type 1 diabetes susceptibility through a polygenic approach**

*Abstract Author:* Antonietta Robino (Trieste, Italy)

- P-316                    **Introduction of oral health module to structured diabetes education - pilot program in silesian regional children's diabetes centre, Poland**

*Abstract Author:* Anna Tkacz (Katowice, Poland)

- P-317                    **The unintentional misuse of glargine and degludec insulins with AID system (CamAPS) and aHCL MedTronic 780g pump in a 3.5 and 9 year-old children with T1D - 2 case reports**

*Abstract Author:* Magdalena Małachowska (Warsaw, Poland)

- P-318                    **Characteristics of hospitalized adult patients with type 1 diabetes in a tertiary diabetes center**

*Abstract Author:* Videm CHEA (Phnom Penh, Cambodia)

- P-319                    **Effect of diabetes camp on glycemic control, diet-related behaviors, and diabetes knowledge among patients with type 1 diabetes attending the diabetes camp**

*Abstract Author:* Jeerunda Santiprabhob (Bangkok, Thailand)

- P-320                    **Exploring hla genotype variations in type 1 diabetes: implications for precision medicine and immunotherapy response**

*Abstract Author:* Johnny Ludvigsson (Linköping, Sweden)

- P-321                    **Children with type 1 diabetes who have obesity show differences in their immune phenotype compared to lean children with type 1 diabetes**

*Abstract Author:* Eadaoin Hayes (Dublin, Ireland)

- P-322                    **Cataracts in a 17-year-old female: unveiling undiagnosed type 1 diabetes through ocular manifestations**

*Abstract Author:* Sara Ribeiro (Porto, Portugal)

- P-323                    **Dynamic cognitive function and glucose fluctuations in the daily lives of youth with type 1 diabetes (T1D): a pilot and feasibility study**

*Abstract Author:* Mary Katherine Ray (St. Louis, United States)

- P-324                    **Challenges of treating complicated diabetic ketoacidosis**

*Abstract Author:* Selen Hürmüzlü Közler (Kocaeli, Turkey)

- P-325                    **Giving the child with diabetes, aged 4-12 years, a clear voice and involvement in own treatment. We present our first prokidsdia-project data on patient reported outcomes (PROMS)**

*Abstract Author:* Mette Madsen (Aalborg, Denmark)

- P-326                    **Assessing mait cell frequency in children with type 1 diabetes who also have obesity**

*Abstract Author:* Eadaoin Hayes (Dublin, Ireland)

- P-327                    **Empowering type 1 diabetes self-management: the impact of DREAMS practicals**

*Abstract Author:* Jothydev Kesavadev (Thiruvananthapuram, India)

- P-328                    **Type 1 diabetes in India: towards a strategy to transition to sustainability of programmes supported by CDiC in India**

- P-329                    **The impact of using advanced hybrid close loop system on the sleep quality among caregivers of children with type 1 diabetes**

*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)

- P-330                    **Euglycemic diabetic ketoacidosis in preschool children with type 1 diabetes mellitus using advanced hybrid closed loop system**  
*Abstract Author:* Gianluca Tornese (Trieste, Italy)
- P-331                    **Next-generation diabetes technology and sulfonylurea use in neonatal diabetes**  
*Abstract Author:* Gizem Boke Kocer (Kocaeli, Turkey)
- P-332                    **Evaluation for ramadan fasting preparedness in children and adolescents with type 1 diabetes: an experience from Indonesia**  
*Abstract Author:* Ghaisani Fadiana (Indonesia)
- P-333                    **Correlation between self-monitoring of blood glucose using Indonesia pediatric mobile application and HbA1c levels in type 1 diabetes patients**  
*Abstract Author:* Muhammad Faizi (Indonesia)
- P-334                    **Cross-sectional and longitudinal relations between parent and child diabetes distress and child HbA1c**  
*Abstract Author:* Susana Patton (Jacksonville, United States)
- P-335                    **Identifying current challenges in pediatric type 1 diabetes diagnosis and management in Indonesia: a report of a health needs assessment conducted in diabetes camps**  
*Abstract Author:* Ghaisani Fadiana (Indonesia)
- P-336                    **Impact of using hybrid closed loop (HCL) systems in a tertiary children's hospital: real world experience**
- P-337                    **Case study of a child patient with neuropathy complication in type 1 diabetes: medical history and symptoms development**  
*Abstract Author:* Ghaisani Fadiana (Indonesia)
- P-338                    **Depressive symptoms, screen time, physical activity, and family meals for adolescents with type 1 diabetes**  
*Abstract Author:* Julie Gettings (Philadelphia, United States)
- P-339                    **A follow-up on of the randomized, placebo-controlled, clinical trial DIAPREV-IT evaluating the effect of GAD-Alum on the progression to type 1 diabetes in children with multiple islet cell autoantibodies**  
*Abstract Author:* Helena Elding Larsson (Malmö, Sweden)
- P-340                    **Knowledge of hyperglycemia in people living with type 1 diabetes through tele-education: a follow-up study**  
*Abstract Author:* Sana Ajmal (Pakistan)
- P-341                    **Failure of CSII therapy in maintenance of glycemic targets in a child with T1 diabetes on steroid treatment**  
*Abstract Author:* Peesay Mohana (Bangalore, India)
- P-342                    **Integrated care process (ICP) in the inaugural episode of type 1 diabetes mellitus (T1DM) in children and adolescents**  
*Abstract Author:* Mariana Sousa Santos (Leiria, Portugal)
- P-343                    **Prevalence of depression among children and adolescent with type 1 diabetes**
- P-344                    **The broad health, social, and economic burden of type 1 diabetes: a value taxonomy**  
*Abstract Author:* Faith Ross (Boston, United States)
- P-345                    **Effect of closed-loop insulin delivery system on glycemic control in an adolescent with type 1 diabetes**
- P-346                    **Rare combination of diabetic ketoacidosis and hyperosmolar hyperglycemic syndrome in type 1 diabetes - a case report**

*Abstract Author:* Jantje Weiskorn (Hannover, Germany)

P-347                    **Diabetic children's blood glycemic self-monitoring journal, is it reliable?**

P-348                    **Type 1 diabetes management and hypoglycaemia-related anxiety in competitive athlete: a case study**

*Abstract Author:* Dania Mughal (Grimsby, United Kingdom)

P-349                    **A case of neonatal diabetes from Kazakhstan**

*Abstract Author:* Marzhan Rakhimzhanova (Astana, Kazakhstan)

P-350                    **Artificial pancreas has huge impact on glycaemic parameters in children with T1D in the western world- what is next?**

*Abstract Author:* Arundoss Gangadharan (Bangor, Gwynedd, United Kingdom)

P-351                    **Variable expressivity of the KCNJ 11 gene mutation in a family with diabetes mellitus**

P-352                    **More informed school, more controlled diabetes**

*Abstract Author:* Jorge A. Ferreira (Porto, Portugal)

P-353                    **Abnormal glucose tolerance in children with Cystic fibrosis - a single centre study**

*Abstract Author:* Milica Jakovljevic (Nis, Serbia)

P-354                    **Mauriac syndrome, a rare complication of T1DM**

*Abstract Author:* Marzhan Rakhimzhanova (Astana, Kazakhstan)

P-355                    **Family ties. Journey of wolfram syndrome in siblings and cousin from Imic**

*Abstract Author:* Versharani Rai (Karachi, Pakistan)

P-356                    **Accessing technology and challenges of technology use in school in children with type 1 diabetes mellitus (T1DM)**

*Abstract Author:* Gizem Gür Aykut (41100, Turkey)

P-357                    **Factors associated with ketoacidosis at diagnosis of type 1 diabetes in children and adolescents**

P-358                    **Statural growth in type 1 diabetic children**

P-359                    **Uncontrolled type 1 diabetes mellitus and lipodystrophy**

P-360                    **Improving type 1 diabetes care access through an innovative school-based mobile clinic**

*Abstract Author:* Melanie Bryan (St. Louis, United States)

P-361                    **Feasibility, acceptability, and impact of a type 1 diabetes education curriculum for school nurses**

P-362                    **Predictors of glucose control in children and adolescents with type 1 diabetes**

P-363                    **T1D glycaemic control in immigrant and portuguese youth**

*Abstract Author:* Júlia Galhardo (Lisboa, Portugal)

P-364                    **Development and evaluation of gamellito audiovisual production with children with T1D in the COVID 19 pandemic**

*Abstract Author:* Vania Vargas (Londrina, Brazil)

P-365                    **Sustained improvement of glycemic control in children and adolescents with type 1 diabetes mellitus, 12 months after transitioning from multiple daily injections (MDI) to advanced hybrid closed loop (aHCL), without significant change inBMI-SDS**

*Abstract Author:* Ioannis-Anargyros Vasilakis (Athens, Greece)

- P-366 **Integrating depression screening in type1diabetes health care: lessons from rural India**  
*Abstract Author:* Archana Sarda (Aurangabad, India)
- P-367 **A thematic analysis of factors responsible for complacency in type1diabetes self-care in low resource settings in rural India**  
*Abstract Author:* Archana Sarda (Aurangabad, India)
- P-368 **Initial steps in studying diabetes type in youngpeople at bach maihospital**  
*Abstract Author:* Thi Kim Hoan Nguyen (Ha Noi, Vietnam)
- P-369 **The role of technology to improve glucose control of migrant children with type 1 diabetes**  
*Abstract Author:* Giulio Frontino (Milano, Italy)
- P-370 **Improved glucose control by implementing an advanced hybrid closed-loop system in non-compliant adolescents with type 1 diabetes**  
*Abstract Author:* Andrea Rigamonti (Milano, Italy)
- P-371 **Sushi and pizza in type 1 diabetes: just do it**  
*Abstract Author:* Cecilia Nobili (Torino, Italy)
- P-372 **JENIOUs-CwD diabetes in schools research project: a survey from diabetes study group in Italy on the management of type 1 diabetes in children and adolescents in schools**  
*Abstract Author:* Davide Tinti (Turin, Italy)
- P-373 **Providing education on visual impairment and the importance of retinopathy screening and process for children and young people**
- P-374 **Habits and safety issues concerning alcohol consumption and gaps in diabetes education in young people with type 1 diabetes - preliminary findings of T1Drink study**  
*Abstract Author:* Arkadiusz Michalak (Lodz, Poland)
- P-375 **How to use the MY-Q as a screening tool for psychosocial problems in adolescents with type 1 diabetes?**  
*Abstract Author:* Rian Bierlaagh (Den Helder, Netherlands)
- P-376 **CFD annual screening in patients with CF**  
*Abstract Author:* Louise Crawley (Liverpool, United Kingdom)
- P-377 **Glycemic variability in type 1 diabetics treated with human insulin vs analog insulin in youth with type 1 diabetes in Bangladesh**  
*Abstract Author:* Bedowra Zabeen (Dhaka, Bangladesh)
- P-378 **Clinical profile of type 1 diabetes at the time of diagnosis: a hospital based longitudinal study over a period of ten years**  
*Abstract Author:* Subhana Karki (Kathmandu, Nepal)
- P-379 **Switch to an automated insulin delivery system: impact on metabolic control and satisfaction with treatment modality**  
*Abstract Author:* Marta Ferrer-Lozano (Zaragoza, Spain)
- P-380 **Maturity-onset diabetes of the young ( MODY ) : early recognition is key**  
*Abstract Author:* Kavitha Tharian (Hull, United Kingdom)
- P-381 **Frequency of diabetic retinopathy and its association with HbA1c in children and adolescent with type I diabetes mellitus**
- P-382 **Clinical and biochemical feature of diabetes from the hospital baseline data registry of young people with diabetes in BADAS PDRC, BIRDEM in Bangladesh**

*Abstract Author:* Bulbul Ahmed (Dhaka, Bangladesh)

P-383                    **Verdi: see children's diabetic retinopathy**

*Abstract Author:* FLORENCIA GRABOIS (Neuquen, Argentina)

P-384                    **Clinical profile of children with diabetes mellitus type 1 (T1DM) seen in a state-run tertiary end-referral medical center department of pediatrics in cebu, Philippines from january 2015- january 2020**

P-385                    **Diabetes education, empowerment and advocacy in a limited-resources setting: are we following the right track?**

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*Abstract Author:* Kit Yee Wong (Hong Kong, Hong Kong)

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*Abstract Author:* VEDITHA G (Bengaluru, India)

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*Abstract Author:* Jennifer J. McVean (Northridge, United States)

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*Abstract Author:* Luis Fernandez-Luque (Santa Cruz, United States)

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*Abstract Author:* Gregory Forlenza (Aurora, United States)

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*Abstract Author:* abdul hameed (Karachi, Pakistan)
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*Abstract Author:* Lindsay Sawatsky (Winnipeg, Canada)
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*Abstract Author:* Elsa Palmkvist (Lund, Sweden)
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*Abstract Author:* Uma Muzumdar (Pittsburgh, United States)
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*Abstract Author:* Beatriz Semer (São Paulo, Brazil)

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*Abstract Author:* Sara Adhami (Petrie, Australia)
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*Abstract Author:* Linda Nwokeji-Onwe (Abakaliki, Nigeria)
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*Abstract Author:* Manar Marzouk (London, United Kingdom)
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*Abstract Author:* Athanasia Bouliari (NY, United States)
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*Abstract Author:* Hany Alsayed (Doncaster, United Kingdom)
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*Abstract Author:* Juan Pablo Pérez Bedoya (Medellín, Colombia)

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*Abstract Author:* Yoori Noh (Cincinnati, United States)
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*Abstract Author:* Amadou KAKE (Conakry, Guinea)
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*Abstract Author:* MAHAMANE AMINOU MAHAMANE SANI (NIAMEY, Niger)
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*Abstract Author:* Diana Bulla (Bogotá, Colombia)
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*Abstract Author:* Amadou Kaké (Conakry, Guinea)
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*Abstract Author:* Tejal Patel (Washington DC, United States)
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*Abstract Author:* Elisabeth Jelleryd (Stockholm, Sweden)
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*Abstract Author:* Eimhin Ansbro (London, United Kingdom)
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*Abstract Author:* Marie Auzanneau (Ulm, Germany)
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*Abstract Author:* Auste Pundziute Lyckå (Borås, Sweden)
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*Abstract Author:* Amenan Gisèle YA (ABIDJAN, Cote D'Ivoire)
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*Abstract Author:* Vanessa Jewell (Chapel Hill, United States)

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*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)
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*Abstract Author:* Amit Shapira (Boston, United States)
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*Abstract Author:* Matthew Guy (Southampton, United Kingdom)
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*Abstract Author:* Valentina Mancioffi (Verona, Italy)
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*Abstract Author:* Gavin Griffiths (London, United Kingdom)
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*Abstract Author:* Sara Martins (Alcabideche, Portugal)
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*Abstract Author:* Yasmine Elhenawy (Cairo, Egypt)
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*Abstract Author:* Silver Bahendeka (Kampala, Uganda)
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*Abstract Author:* DJAURY Dadjia (N'djamena, Chad)
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*Abstract Author:* mbye aminata (dakar, Senegal)



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*Abstract Author:* Madeleine Julian (Leeds, United Kingdom)
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*Abstract Author:* Abiola Oduwole (Lagos, Nigeria)
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*Abstract Author:* Gaelle Claude Ntsoli Kofane (Douala, Cameroon)
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*Abstract Author:* Eimear O'Connell (Edinburgh, Ireland)
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*Abstract Author:* Fatemeh Saffari (Qazvin, Iran)
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*Abstract Author:* Ajmina Hasan Flabe (Dhaka, Bangladesh)
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*Abstract Author:* Rakesh Sahay (Hyderabad, India)
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*Abstract Author:* Rakesh Sahay (Hyderabad, India)
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*Abstract Author:* İsmail ÇETİNTAŞ (Edirne, Turkey)
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*Abstract Author:* Ibiwonke Akinola (Ikeja, Nigeria)
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*Abstract Author:* Salwa Musa (Khartoum, Sudan)
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*Abstract Author:* sy kadidia Savané (Abidjan, Cote D'Ivoire)
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*Abstract Author:* Sonia Benferhat (Oran, Algeria)
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*Abstract Author:* Meher Saini (Geelong, Australia)
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*Abstract Author:* Ramya Obbai Manohar (bangalore, India)

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*Abstract Author:* Jenny Dixon (Antrim, United Kingdom)

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*Abstract Author:* Barbara Glowinska-Olszewska (Bialystok, Poland)

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*Abstract Author:* Chiara Beccia (Melbourne, Australia)

P-548 **First experience in the use of intermittent glucose monitoring during a camp for children and adolescents with type 1 diabetes in Mexico: benefits and challenges**

*Abstract Author:* Emma Lucila Picasso Rivera (Mexico City, Mexico)

P-549 **Closed Loop 780g system and children with type 1 diabetes followed for one year: lessons learned from diabetes educators**

*Oral Session*

11:45 - 13:15

Session Hall 3

#### **Oral Session V: Technology in Diabetes Care**

*Chair:* May Ng (United Kingdom)

*Chair:* Raquel Coelho (Lisbon, Portugal)

O-41 **Improving access to diabetes technology for children and young people (CYP) with diabetes living in low-income households: a response to poverty proofing program outcomes, the national paediatric diabetes audit (NPDA) and nhse core20plus5 for CYP**

*Oral Presenter:* Jenny Foster (Leeds, United Kingdom)

*Oral Presenter:* Judith Reid (Gateshead, United Kingdom)

O-42 **Re-training and fine-tuning a deep learning artificial intelligence model for the detection of referable diabetic retinopathy in children and young people with diabetes**

*Oral Presenter:* Ngee Lek (Singapore, Singapore)

O-43 **Decreased system interaction with improved glycemia for children and adolescents with type 1 diabetes (T1D) using closed loop system**

*Oral Presenter:* Jennifer J. McVean (Northridge, United States)

O-44 **Early Real-World Performance of a Tubeless AID System in >12,200 Children, Adolescents, and Young Adults with Type 1 Diabetes in Europe**

*Oral Presenter:* Torben Biester (Hannover, Germany)

O-45 **A systematic protocol for testing features for clinic-deployed machine learning models that predict near-term glycemic outcomes in youth with type 1 diabetes**

*Oral Presenter:* Craig Vandervelden (Kansas City, United States)

O-46 **Problem-solving intervention improves time in range 70-180 mg/dl (TIR) among adolescents with type 1 diabetes (T1D) using hybrid closed loop (HCL) in a randomized controlled clinical trial**

*Oral Presenter:* Gregory Forlenza (Aurora, United States)

O-47 **Filaggrin mutations and dermatological complications due to diabetes devices**

Oral Presenter: Anna Korsgaard Berg (Herlev, Denmark)

O-48 **The role of nurse practitioner and certified diabetes care and education specialists in the evolution of the 4t program**

Oral Presenter: Jeannine Leverenz (Stanford, United States)

O-49 **Can the use of closed loop (CL) therapy improve the cardiovascular risk factors exposure in children and adolescents with T1D?**

Oral Presenter: Claudia Piona (Verona, Italy)

O-50 **Time in tight range among users of advanced hybrid closed-loop systems: real-world data from a large pediatric cohort with type 1 diabetes**

Oral Presenter: Bruno Bombaci (Messina, Italy)

O-61 **The Lenny trial: The use of closed loop system in young pediatric users (2-6 years old) is safe and effective**

Oral Presenter: Tadej Battelino (Ljubljana, Slovenia)

#### Poster Session

15:15 - 16:15

Exhibition + Posters Hall

#### **Poster Corner 7: Outcomes and Care Models, Diabetes at school, economics and value addition/access to care**

Chair: Chirantap Oza (Pune, India)

P-219 **JENIOus-CwD diabetes in schools research project: a worldwide survey on type 1 diabetes (T1D) management in children and adolescents in schools**

Poster Presenter: Laura Cudizio (São Paulo, Brazil)

P-220 **Management of children and adolescents with type 1 diabetes (T1D) in schools in Brazil: a nationwide survey**

Poster Presenter: Laura Cudizio (São Paulo, Brazil)

P-222 **Remote monitoring and parent engagement for type 1 diabetes (T1D) care in schools**

Poster Presenter: Elissa Naame (Pittsburgh, United States)

P-223 **Enhancing access to type 1 diabetes care in Kenya**

Poster Presenter: Eric Ogutu (Nairobi, Kenya)

P-224 **Improving glycemic outcomes for children and adolescents with type 1 diabetes: a T1DX-QI success story**

Poster Presenter: Carla Demeterco-Berggren (San Diego, United States)

P-225 **Optimal r&d spending on treatments and therapies for type 1 diabetes**

Poster Presenter: Daniel Tortorice (Worcester, United States)

P-226 **Developing strategies to address high DKA rates at diagnosis of diabetes**

Poster Presenter: Michael McGuigan (Chester, United Kingdom)

P-227 **Innovative, cost saving care for the most vulnerable with diabetes: can NICH be replicated successfully outside of the United States?**

Poster Presenter: Michael Harris (Portland, United States)

P-228 **The effect of health literacy on health and health service use in adolescents with diabetes**

Poster Presenter: Leyla Avcıbaşı (Edirne, Turkey)

P-221 **Diabetes and school health (DASH) program: a clinical care coordination program to optimize care and reduce inequities for youth with type 1 diabetes: revelations from pilot to year 3**

Poster Presenter: Kajal Gandhi (Columbus, United States)

## Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 5: Psychological and Psychosocial aspects of Diabetes**

Chair: Heike Saßmann (Hannover, Germany)

P-199                    **Diabetes management: Implementing diabetes distress screening in type 1 diabetes clinic**

Poster Presenter: Manmohan Kamboj (Columbus, United States)

P-201                    **SDOH: the importance of screening, resource delivery, and follow-up**

Poster Presenter: Sarah Lydia Holly (Washington, United States)

P-202                    **Mental disorders among children with type 1 diabetes attending diabetes clinic at mulago national referral hospital; prevalence and factors associated**

Poster Presenter: Thereza Piloya Were (Kampala, Uganda)

P-203                    **Implementation of routine quality-of-life screening in a pediatric diabetes clinic in a community-based hospital setting**

Poster Presenter: Jess Forster (Markham, Canada)

P-204                    **Provider's perspectives on routine quality-of-life screening in a pediatric diabetes clinic in a community-based hospital setting**

Poster Presenter: Jess Forster (Markham, Canada)

P-206                    **Prevalence and factors influencing orthorexia nervosa in adolescents with type1 diabetes:a comparative study**

Poster Presenter: Didem Gunes Kaya (Istanbul, Turkey)

P-207                    **Building resilience in adolescents with type 1 diabetes - development and evaluation of a digital group coaching approach in a randomized controlled trial**

Poster Presenter: Anne Christine Bischops (Duesseldorf, Germany)

P-208                    **Body image perception among adolescents with type 1 diabetes mellitus; relation to glycemic variability, depression and disordered eating behaviour**

Poster Presenter: Nouran Salah (Cairo, Egypt)

P-311                    **Frequency and risk factors for depression in adolescents with type 1 diabetes enrolled in changing diabetes in children (CDiC) project in Pakistan**

Poster Presenter: Waqas Imran (Multan, Pakistan)

## Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 1: Pumps and CGM**

Chair: Rebecca Barber (Los Angeles, United States)

Chair: Eduardo Calliari (Sao Paulo, Brazil)

P-168                    **Increased utilization of insulin pumps and improving health equity among youth with type 1 diabetes: a quality improvement initiative**

Poster Presenter: Kajal Gandhi (Columbus, United States)

P-161                    **Increasing pump therapy utilization to improve glycemic control in patients with type 1 diabetes**

Poster Presenter: Allison Smego (Salt Lake City, United States)

P-162                    **Almost every second child (0-18 years) with T1D in Sweden reaches 50 % time in tight range - an increasing trend**

Poster Presenter: Karin Åkesson (Linköping, Sweden)

P-163                    **Minimum continuous glucose monitor data required to assess glycemic control in youth with type 1 diabetes**

Poster Presenter: Brynn E Marks (Boston, United States)

P-164 **Disparities in insulin pump use established in first year following diagnosis of type 1 diabetes**

Poster Presenter: Elise Tremblay (Boston, United States)

P-165 **Continuing long-acting insulin while utilizing hybrid closed loop (HCL) insulin pump systems in adolescents with poorly controlled type 1 diabetes - a case series**

Poster Presenter: Elizabeth Gunckle (NY, United States)

P-166 **Evaluation of an objective measure of mealtime insulin administration frequency (BOLus) in young adults with type 1 diabetes**

Poster Presenter: Jessica Pierce (Orlando, United States)

P-167 **Comparison of the 14-day and 90-day glucose management indicator with HbA1c in children with type 1 diabetes using continuous glucose monitoring**

Poster Presenter: Ioanna Kosteria (Athens, Greece)

P-169 **Feasibility of an online education programme on carbohydrate counting in Indian children with type 1 diabetes mellitus and its impact on time in range (a pilot study)**

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Tour**

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 6: Acute Complications, Chronic Complications**

Chair: Jenny Couper (Adelaide, Australia)

Chair: Filipa Espada (Matosinhos, Portugal)

P-209 **Treatment process and complications of diabetic ketoacidosis in childhood**

P-210 **Endothelial progenitor cells (EPC) and circulating endothelial cells (CEC) at type 1 diabetes onset in children**

Poster Presenter: Milena Jamiolkowska-Sztatkowska (Bialystok, Poland)

P-211 **Diabetic ketoacidosis at onset is associated with worse outcomes after 1 and 2 years of follow-up: a pediatric registries collaboration pooling 9284 children with diabetes from 9 countries**

Poster Presenter: Vít Neuman (Prague, Czech Republic)

P-212 **Urinary netrin-1 among children and adolescents with diabetic ketoacidosis; relation to severity**

Poster Presenter: Randa Matter (Cairo, Egypt)

P-213 **Muscle function, bone health & subclinical neuropathy in Indian adolescents with type 1 diabetes: are they inter-related?**

Poster Presenter: Shruti Mondkar (Pune, India)

P-214 **Modifiable risk factors for long-term complications in type 1 diabetes: pediatric obesity and dyslipidemia compared to healthy population**

Poster Presenter: Joana Serra-Caetano (Coimbra, Portugal)

P-215 **Inflammatory markers and its association with insulin resistance in Indian children and young adults with type 1 diabetes**

Poster Presenter: Madhura Karguppikar (Pune, India)

P-216 **Evaluation of microvascular complications in children and adolescents with type 1 diabetes in Indonesia**

Poster Presenter: Muhammad Faizi (Indonesia)

P-217 **Non-invasive central blood pressure measurements in children with diabetes type 1 or obesity or hypertension**

P-218 **Impact of change in HbA1c on nerve conduction and muscle function parameters in type 1 diabetes: a 1 year follow-up study from India**

Poster Presenter: Keyur Desai (Pune, India)

P-133 **HbA1c control in type 1 diabetes with retinopathy and effects of COVID on national diabetic retinopathy screening programme**

Poster Presenter: Justina Rweyemamu (Birmingham, United Kingdom)

*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 2: Automated Insulin Delivery, Closed Loop**

Chair: Laya Ekhlaspour (San Francisco, United States)

Chair: Mary Pat Gallagher (New York City, United States)

P-170 **Barriers to automated insulin delivery system uptake in adolescents with dysregulated type 1 diabetes: a qualitative study**

Poster Presenter: Marianne Vie Ingersgaard (Herlev, Denmark)

P-171 **Evaluation of the efficacy of the CamAPS hybrid closed-loop system in pediatric patients with type 1 diabetes: a 6-month study**

Poster Presenter: Beata Krejcirova (Brno, Czech Republic)

P-172 **use of u200 insulin in automated insulin delivery (AID) systems in adolescents with type 1 diabetes (T1D)**

Poster Presenter: Patricia Chu (Philadelphia, United States)

P-173 **Safety and glycemic outcomes of advanced hybrid closed-loop system in adolescents and adults with type 1 diabetes during ramadan intermittent fasting: a randomized controlled trial**

Poster Presenter: Nancy Elbarbary (Cairo, Egypt)

P-174 **Transitioning to automated insulin delivery systems in children and young people with type 1 diabetes: impact on insulin requirements, anthropometrics, glucose metrics and user behaviour**

Poster Presenter: Anjane Kohli (BIRMINGHAM, United Kingdom)

P-176 **The effect of automated insulin delivery system use on diabetes-related distress in the pediatric populations of people with type 1 diabetes and their caregivers: a systematic review and meta-analysis**

P-177 **Pediatric closed loop system users who transition from conservative to recommended optimal settings achieve improved glycemic control - a natural experiment**

Poster Presenter: Arcelia Arrieta (Tolochenaz, Switzerland)

P-178 **Efficacy and Safety of a Tubeless AID System Compared with Insulin Pump Therapy in Young Adults with Type 1 Diabetes: Sub-Analysis of a Randomized Controlled Trial**

Poster Presenter: Lori Laffel (Boston, United States)

P-179 **Safety and efficacy of diluted insulin in a hybrid closed loop system in young children with type 1 diabetes**

Poster Presenter: M. Loredana Marcovecchio (Cambridge, United Kingdom)

P-175 **Glycemic outcomes of children with type 1 diabetes not reaching targETS improve during two first years on advanced hybrid closed-**

**loop system - single-center experience on 79 patients**

Poster Presenter: Anna-Kaisa Tuomaala (Helsinki, Finland)

*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 8: Psychological and Psychosocial aspects of Diabetes, Diabetes in Developing Countries and Migrant Populations, Pumps and CGM, Novel Advances and Interventions, Outcomes and Care Models, Genetics, Immunology and the Environment**

Chair: Ilknur Arslanoglu (Duzce, Turkey)

Chair: Carmel Smart (Newcastle, Australia)

P-239 **Registry of type 1 diabetes in Peruvian population at primary health level**

Poster Presenter: Segundo Seclen (Peru)

P-240 **The impact of ultrasound guided rotation of injection sites on glycemic outcome and insulin requirements**

Poster Presenter: Julian Bjerrekær (Herlev, Denmark)

P-241 **The prevalence of hypophosphatemia in children with T1DM presenting in diabetic ketoacidosis in northern India: an observational study**

Poster Presenter: Arpita Bharguvanshi (Lucknow, India)

P-242 **The *diabetes body project*: acute effects on eating disorder behaviors, risk factors and symptoms, diabetes distress and quality of life among young women with type 1 diabetes in a multi-national randomized controlled trial**

Poster Presenter: Severina Haugvik (Oslo, Norway)

P-243 **Effect of teplizumab on patient-reported outcomes in stage 3 autoimmune type 1 diabetes**

Poster Presenter: Kimberly Simmons (United States)

P-244 **No increased risk of islet autoimmunity following SARS-CoV-2 infection in ENDIA children**

Poster Presenter: Maria Craig (Australia)

P-245 **Assessing the feasibility of outpatient management for children with type 1 diabetes (T1D) at the university hospital limerick (UHL), Ireland - an analysis of cost of admission care**

Poster Presenter: Lucy Angela Dockery (Limerick, Ireland)

P-246 **Operationalizing facilitative parenting and its relation to coping with diabetes-related setbacks and blood glucose control**

Poster Presenter: Ellen O'Donnell (Boston, United States)

P-247 **Diabetes distress and psychological adjustment of parents of children and adolescents with type 1 diabetes: the mediating role of resilient coping**

Poster Presenter: Vasco Costa (Lisboa, Portugal)

P-248 **Stigma in adolescents with type 1 diabetes: consequences and the moderating role of intentional self-regulation**

*Poster Session*

15:15 - 16:15

Exhibition + Posters Hall

**Poster Corner 4: Monogenic and other forms of Diabetes**

Chair: Asma Deeb (Abu Dhabi, United Arab Emirates)

Chair: Neil White (United States)

P-189 **Tailoring treatment: adjusted recombinant igf-1 therapy and continuous glucose monitoring with custom-fitted SETS for a newborn with severe insulin resistance syndrome**

Poster Presenter: Giulio Frontino (Milano, Italy)

P-190 **Obesity as confounding factor for etiologic diagnosis in childhood diabetes: comparison between obese children with type 2 diabetes, HNF1A-MODY and type 1 diabetes**

Poster Presenter: Maurizio Delvecchio (L'Aquila, Italy)

P-191 **Insulin receptor mutation in a girl with generalized hypertrichosis, insulin resistance and normal body mass index: a case report**

Poster Presenter: Ioanna Kosteria (Athens, Greece)

P-192 **A novel therapy for familial lipodystrophy: a case report of unusual diabetes mellitus**

Poster Presenter: Enza Mozzillo (Napoli, Italy)

P-193 **A rare cause of MODY5: a twin case with 17q12 deletion syndrome**

Poster Presenter: Gözde Gürpınar (Kocaeli, Turkey)

P-195 **Treatment strategies in two cases of maturity onset diabetes of the young type 3 (MODY 3)**

Poster Presenter: Giulio Frontino (Milano, Italy)

P-196 **An interesting case of monogenic diabetes**

Poster Presenter: VEDITHA G (Bengaluru, India)

P-197 **Is wolfram syndrome a rare diagnosis or an unrecognized diagnosis?**

Poster Presenter: Esra Koçyiğit (kocaeli, Turkey)

P-198 **Epidemiology of monogenic diabetes mellitus in children over the last 20 years in Slovakia**

Poster Presenter: Juraj Stanik (Bratislava, Slovakia)

Poster Session

15:15 - 16:15

Exhibition + Posters Hall

### Poster Corner 3: Childhood Obesity and Type 2 Diabetes

Chair: Ingrid Libman (Pittsburgh, United States)

Chair: Valeria Hirschler (Buenos Aires, Argentina)

P-180 **Malignant hyperthermia and multi-organ failure in a mixed presentation of hyperosmolar hyperglycemic state and diabetic ketoacidosis in new-onset type 2 diabetes**

Poster Presenter: Sasigarn A Bowden (Columbus, United States)

P-181 **Triglyceride-glucose index as an indicator of insulin resistance and metabolic syndrome among south Indian adolescents with obesity**

Poster Presenter: Meghana Narasimhegowda (Bengaluru, India)

P-182 **Evaluation of a multidisciplinary pediatric insulin resistance and type 2 diabetes program: the BC children's hospital experience**

Poster Presenter: Gonzalo Dominguez-Menendez (Vancouver, Canada)

P-183 **Effect of crocus sativus l. On glycemic control in adolescents with obesity and pre-diabetes: double-blind placebo controlled clinical trial**

Poster Presenter: Vasiliki-Rengina Tsinoopoulou (Thessaloniki, Greece)

P-184 **Outcomes of young-onset type 2 diabetes mellitus in a single tertiary centre**

Poster Presenter: Yvonne Yijuan Lim (Singapore, Singapore)

P-185 **Igf1 as the new marker of metabolic syndrome in children with obesity**

Poster Presenter: Justyna Szydłowska-Gładysz (Lublin, Poland)



P-186 **Clinical and biological parameters of insulin resistance in obese children in relation to an epidemiological study**

*Poster Presenter:* Halima Zerguine (Batna, Algeria)

P-187 **An adolescent with 16p11.2 microdeletion syndrome treated with dulaglutide: a case report**

*Poster Presenter:* Francesca Arrigoni (Milan, Italy)

P-188 **Metabolic syndrome is unstable during follow-up in children and adolescents: a single center study**

#### Oral Session

16:30 - 18:00

Workshop Room

#### Oral Session VI: Diabetes Complications and Associated Diseases

*Chair:* Ethel Codner (Santiago, Chile)

*Chair:* Cíntia Castro-Correia (Porto, Portugal)

O-51 **New insights into diabetic complications associated with type 1 diabetes**

*Oral Presenter:* Francesco Maria Rosanio (Naples, Italy)

O-52 **Bone, muscle and physical activity difference in children with type 1 diabetes**

*Oral Presenter:* Munier Nour (Saskatoon, Canada)

O-53 **Which glomerular filtration rate equation should be used in youth with type 1 diabetes?**

*Oral Presenter:* Radhe Shantha Kumar (Cambridge, United Kingdom)

O-54 **Vascular changes in children with well-regulated type 1 diabetes- highly sensitive methods support time in tight range and increase pathophysiological understanding**

*Oral Presenter:* Ebba Bergdahl (Gothenburg, Sweden)

O-55 **Ultrasound-diagnosed hepatopathy in Indian adolescents with type 1 diabetes: prevalence and risk factors**

*Oral Presenter:* Shruti Mondkar (Pune, India)

O-56 **Glycometabolic evaluation using continuous glucose monitoring before and after treatment with CFTR modulators: preliminary data of pediatric patients with Cystic fibrosis**

*Oral Presenter:* Francesca Di Candia (Naples, Italy)

O-57 **Erk is activated in type 1 diabetes, as well as in celiac disease, intestinal biopsies from children both constitutively and after gliadin treatment**

*Oral Presenter:* Maria Vittoria Barone (Naples, Italy)

O-58 **Early assessment of 24-hour ambulatory blood pressure and arterial stiffness in children with type 1 diabetes mellitus to protect vascular health**

*Oral Presenter:* CANSU CEREN ERYILMAZ (Istanbul, Turkey)

O-59 **Time in range, time in tight range, glycemia risk index and other key continuous glucose monitoring metrics are associated with cardiovascular risk factors exposure in children and adolescents with type 1 diabetes: data from the sweet international database**

*Oral Presenter:* Claudia Piona (Verona, Italy)

O-60 **Predictors of steatosis in adolescents and adults with type 1 DM and its association with retinopathy in the northern Indian population**

*Oral Presenter:* Vibha yadav (Kanpur, India)

**Saturday, 19. October 2024***Posters*

07:30 - 18:00

ePosters on Display

**e-Posters (viewable during whole conference, no oral presentations)**

- P-72                    **European action for the diagnosis of early non-clinical type 1 diabetes for disease interception: the EDENT1FI project**

*Abstract Author:* Jurgén Vercauteren (Leuven, Belgium)

- P-74                    **Attempt clinical trial evaluating SGLT2i in youth with type 1 diabetes**

- P-120                  **Empowering minds and bodies: the impact of outreach programs on mental health and daily management in type 1 diabetes**

*Abstract Author:* Seetohul Philippe Ghanisha (Quatre Bornes, Mauritius)

- P-129                  **Fear of death in adolescents with type one diabetes and their parents**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

- P-194                  **Glucocorticoid-induced hyperglycemia leading to early diagnosis of type 1 diabetes (T1D) in an 8-year-old boy with non-classical autoimmune polyendocrine syndrome type 1 (APS1)**

*Abstract Author:* Ioanna Kosteria (Athens, Greece)

- P-200                  **Helping teenagers with type 1 diabetes and their parents cope with the challenges of diabetes management: a delphi study**

*Abstract Author:* Pamela Farthing (Saskatoon, Canada)

- P-229                  **Islet autoantibody positive general population individuals have smaller pancreas volume compared to control individuals**

*Abstract Author:* Taylor Triolo (Aurora, United States)

- P-230                  **Mastering Ramadan: empowering children, teens and parents with advanced hybrid closed-loop (ACHL) system for safe fasting: Qatar's experience**

- P-231                  **Glycemic balance in a cohort of older adolescents and young adults with T1D followed long-term in a pediatric setting. Effect of the COVID years**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

- P-232                  **Early sulphonylurea treatment improves non-verbal IQ in KCNJ11-related iDEND (developmental delay, epilepsy and neonatal diabetes)**

*Abstract Author:* Pamela Bowman (Exeter, United Kingdom)

- P-233                  **School-aged children and the management of type 1 diabetes in the primary school environment: an investigation of how to support children**

*Abstract Author:* Tracey O'Neill (Dublin, Ireland)

- P-234                  **Parental satisfaction and challenges in managing type 1 diabetes in school-aged children: insights from the primary school environment**

*Abstract Author:* Eleanor Hollywood (Dublin, Ireland)

- P-235                  **Novel use of vildagliptin in a closed-loop system to prevent glycemic excursions of iftar meal during intermittent fasting of ramadan in type 1 diabetes mellitus**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

- P-236                  **Diabetes self-management smartphone application: could it be an alternative for continuous glucose monitoring in low resource**

**settings?**

*Abstract Author:* Nancy Elbarbary (Cairo, Egypt)

P-237                    **Multiple diabetes cases and kidney Anomalies in one family**

*Abstract Author:* Ingrida Stankute (Kaunas, Lithuania)

P-238                    **Type 1 diabetes and schooling: a challenge for continuity of care at yaounde CDiC centers, Cameroon**

*Abstract Author:* Armelle Nkamga (Yaoundé, Cameroon)

P-249                    **Assessment of self-monitoring blood glucose(SMBG) in type 1 diabetes children & adolescents using diaries at vihiga county referral hospital(VCRH), Kenya, 2023**

*Abstract Author:* Mike Endovo (MBALE, Kenya)

P-250                    **Motivational interviewing: a patient centered approach to improve glucose control among children and adolescents with type 1 diabetes(T1D) at vihiga county referral hospital(VCRH), Kenya (2022-2024)**

*Abstract Author:* Jerusa Oluhano (Mbale, Kenya)

P-251                    **Determinants of glycemic control and nutritional status amongst children and adolescents with type 1 diabetes in a rural hospital in Kenya**

*Abstract Author:* Phoebe Wamalwa (Nairobi, Kenya)

P-252                    **Diabetic retinopathy screening in Laos: an inaugural collaborative effort by the Singapore national eye centre and action4diabetes**

*Abstract Author:* Amphayvanh Manivong (Chanthabuli, Laos)

P-253                    **Autoimmune dysthyroiditis and type 1 diabetes : exploratory study on 419 Moroccans children and adolescents**

*Abstract Author:* Asmae Touzani (Rabat, Morocco)

P-254                    **Economic implications of diabetes care for young adults in Kenya**

*Abstract Author:* Sheila Wanjuki (Nairobi, Kenya)

P-255                    **Comparison of different insulin regimens and their efficiency on glycated hemoglobin in monitored type 1 diabetic children as part of the CDiC côte d'ivoire project**

*Abstract Author:* Louise Odile MOKE BEDJI (ABIDJAN, Cote D'Ivoire)

P-256                    **Ethnic disparity in HbA1c and hypoglycaemia among youth with type 1 diabetes: beyond mean blood glucose, social deprivation and access to technology**

*Abstract Author:* John Pemberton (Birmingham, United Kingdom)

P-257                    **The co-existence of type 1 diabetes and myasthenia gravis in a 6-year-old female patient**

*Abstract Author:* Anna Woloszyn-Durkiewicz (Gdansk, Poland)

P-258                    **Comparing the efficacy of newer analogue insulins over conventional insulins in treating children with type 1 diabetes mellitus**

*Abstract Author:* Lakshmi Deepika Relangi (Banglore, India)

P-259                    **Severe hypertriglyceridemia with new-onset diabetes type 1 without ketoacidosis**

*Abstract Author:* Marta Bandura (Gdansk, Poland)

P-260                    **COVID-19 infection and diabetes,type 1 diabetes or another type?**

*Abstract Author:* Sonia Benferhat (Oran, Algeria)

P-261                    **Quality of life in type 1 diabetes: a comparative analysis of treatment modalities in a predominantly hispanic population**

*Abstract Author:* Adriana Carrillo Iregui (Miami, United States)

- P-262                    **Glucometabolic control before and after a low-glycemic index diet intervention in adults newly diagnosed with ABCC8 gene mutation**  
*Abstract Author:* Francesco Maria Rosanio (Naples, Italy)
- P-263                    **Understanding needs and increasing T1D engagement (UNITE): participant perspectives from the 4t and 4t exercise study**  
*Abstract Author:* Lauren E. Figg (Palo Alto, United States)
- P-264                    **Type 1 diabetes mellitus and COVID-19: glycemic control before, during and after the pandemic**  
*Abstract Author:* Raquel Oliveira (Leiria, Portugal)
- P-265                    **Genetic risk scores, ancestry, and autoantibodies in children and adolescents with newly diagnosed diabetes**  
*Abstract Author:* Hector Ortega (Palo Alto, United States)
- P-266                    **Carbohydrates intake in children and adolescents with type 1 diabetes mellitus and its relation with physical activity**  
*Abstract Author:* Gianluca Tornese (Trieste, Italy)
- P-268                    **Mobile apps and challenges for type 1 diabetes control in children**  
*Abstract Author:* Rositsa Stoycheva (Varna, Bulgaria)
- P-269                    **Effect of nutrition education intervention on glycemic control and nutritional status in children with type 1 diabetes: a randomized controlled trial**  
*Abstract Author:* PRASANNA Kumar (Bengaluru, India)
- P-270                    **Examining the impact of maternal insulin therapy on proinflammatory cytokines, chemokines, and regulatory T cells in infants born to mothers with gestational diabetes**
- P-271                    **A rare case of digenic MODY responsive to sulfonylurea treatment: coexistence of pathogenic variants in GCK and HNF1A**  
*Abstract Author:* Nilüfer Uyar (izmir, Turkey)
- P-272                    **Comparative study of type 1 diabetes in children and adolescents of spanish origin and caucasian ethnicity and moroccan origin and maghrebi ethnicity**  
*Abstract Author:* M. Pilar Pérez-Segura (Madrid, Spain)
- P-273                    **Neonatal diabetes about 9 cases**  
*Abstract Author:* Salma Tihamy (casablanca, Morocco)
- P-274                    **Factors associated with the presence and severity and outcome of diabetic ketoacidosis at diagnosis of type 1 diabetes in children and adolescents**
- P-275                    **The comparative study focused on HbA1c level and the numbers of consultation in type 1 diabetes children and young adult at kantha bopha children's hospital between 2019 and 2020**  
*Abstract Author:* Manet Ban (Phnom Penh, Cambodia)
- P-276                    **Effect of socioeconomic factors on glycaemic control, access to technology, BMI status and interactions with healthcare in paediatric diabetes patients**  
*Abstract Author:* Maria Ionescu (Peterborough, United Kingdom)
- P-277                    **Exploring the impact of laughter yoga and clapping exercises on cardiac function in obese adolescents with type 1 diabetes in rural areas of the delhi metro population**  
*Abstract Author:* Sumit Rajput (New Delhi, India)
- P-278                    **Transient neonatal diabetes mellitus with an unknown cause in 1-month infant: a case report**  
*Abstract Author:* Mateusz Tarasiewicz (Katowice, Poland)

- P-279                    **It's like looking for a needle in a haystack: a case report of a retained steel insulin pump infusion set needle**  
*Abstract Author:* Francesca Di Candia (Naples, Italy)
- P-280                    **Health care utilisation and follow-up data of youth with type 1 diabetes after transition to adult care**  
*Abstract Author:* Uğur Cem YILMAZ (IZMIR, Turkey)
- P-281                    **Lifestyle modification knowledge among parents of children with diabetes in Lagos University Teaching Hospital Lagos**  
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*Abstract Author:* Vania Vargas (Londrina, Brazil)

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*Abstract Author:* Babacar Niang (Dakar, Senegal)
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*Abstract Author:* Tiago Jeronimo dos Santos (Almeria, Spain)

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*Abstract Author:* Salwa Musa (Khartoum, Sudan)
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*Abstract Author:* sy kadidia Savané (Abidjan, Cote D'Ivoire)
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*Abstract Author:* Meher Saini (Geelong, Australia)
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*Abstract Author:* Ramya Obbai Manohar (bangalore, India)

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*Abstract Author:* Jenny Dixon (Antrim, United Kingdom)

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*Abstract Author:* Chiara Beccia (Melbourne, Australia)

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*Abstract Author:* Emma Lucila Picasso Rivera (Mexico City, Mexico)

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