

THE 12TH INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES & TREATMENTS FOR DIABETES

6-9 MARCH 2024 FLORENCE & ONLINE

SCIENTIFIC PROGRAM*

(*Subject to change)

Wednesday, 6 March, 2024

13:00-14:15	PLENARY INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)									
14:30–14:40	Break to Change Halls									
14:40-16:10	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	#dedoc° Symposium WHAT WE WISH YOU KNEW – AND WHY (14:40 – 16:00)	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)				
16:10-16:20			Break to Cl	nange Halls						
16:20-17:50	PLENARY INDUSTRY S	YMPOSIUM (not included i	n the main event CME/CPD cre	dit)						
18:00-18:40	OPENING SESSION									
	<u>Moshe Phillips</u> - Openi <u>Melanie Davies</u> – A nev	-	of T2DM and obesity – S	canning what's on the hc	prizon					
18:40-19:00	OPENING EVENT									
19:00-20:00	NETWORKING RECEPT	ION (in the Exhibition A	Area)							

08:00-09:00	HOT FROM THE OVEN											
	Jennifer Sherr - A more comprehensive metabolic picture: Pairing continuous glucose and ketone sensors to detect early DKA Julio Rosenstock - Update on the SURPASS-6 trial testing Tirzepatide vs. Insulin Lispro to advance Basal Insulin Therapy: Emerging horizons beyond Basal-Bolus Insulin Therapy in T2DM Michael Bergman - ONLINE FIRST RELEASE on: IDF position statement on the 1-hour post-load plasma glucose for the diagnosis of intermediate hyperglycemia and type 2 diabetes Katrien Benhalima - Randomized controlled trial of the MiniMed 780G system compared to standard insulin therapy in pregnant women with type 1 diabetes: the CRISTAL study											
09:00-10:00	PLENARY 1 - TOW	ARD THE FUTURE										
	Moshe Phillip - From dream to reality - The Automated Insulin Delivery (AID) system Boris Kovatchev - Neural-Net artificial pancreas Camillo Ricordi - From the first-in-human success in stem cell derived Islet Transplantation to a cure for all patients with diabetes: Challenges, requirements, and possible solutions											
10:00-10:30	COFFEE BREAK, EX	HIBITION & E-POSTE	RS									
10:30-12:00	PLENARY INDUSTR	RY SYMPOSIUM (not ind	cluded in the main event CM	E/CPD credit)								
12:00-13:00	-	HIBITION & E-POSTEI	RS									
13:00-14:30	PARALLEL SESSION 1 AUTOMATED INSULIN DELIVERY IN TYPE 1 AND TYPE 2 DIABETES	PARALLEL SESSION 2 CGM DIABETES QUALITY MEASURES	PARALLEL SESSION 3 HYPOGLYCEMIA - ANY PROGRESS?	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	JDRF - PARALLEL SESSION 4 INTERNATIONAL CONSENSUS MONITORING GUIDANCE FOR PRESYMPTOMATIC (EARLY STAGE) TYPE 1 DIABETES	PARALLEL SESSION 5 INTERVENTION AND PREVENTION OF TYPE 1 DIABETES	PARALLEL SESSION 6 COPING WITH OBESITY	ORALS 1				
	Anders Carlson –	<u>Irl Hirsch</u> - What has	Stephanie Amiel –		Moshe Phillip - The	Rohit Kulkarni -	<u>Emma Wilmot</u> –					
	Use of AID in patients with type 2 diabetes Roman Hovorka - Fully closed-loop in type 1 and type 2 diabetes Bruce Bode - Management of glucose in the hospital with AID systems May Ng - Bringing technology to diabetes care - From evidence to policy	the GMI taught us about A1C? Elisabeth Selvin - Should A1C still be a diagnostic criterion for diabetes in 2024? Gregg Simonson – CGM (GMI/TIR) as diabetes quality metrics Guido Freckmann – International standard for evaluation of CGM systems: Approach of the IFCC	CGM detection of hypoglycemia in diabetes management <u>Simon Heller</u> - Should the classification of hypoglycemia be updated? <u>Pratik Choudhary</u> - Implication of HypoMETRICS for reporting hypoglycemia in clinical trials <u>Bastiaan de Galan</u> - Impaired awareness of hypoglycemia		rationale for consensus monitoring guidance for presymptomatic type 1 diabetes Linda DiMeglio - Summary of the consensus monitoring guidance for presymptomatic type 1 diabetes Kirstine Bell - Implications for research and clinical care Emanuele Bosi - Population screening for type 1 diabetes is now a reality: An update from Italy	Targeting mRNA modifications to counter type 1 diabetes Roberto Mallone - Benign autoimmunity & progression to type 1 diabetes Desmond Schatz – Enhancing our understanding of why type 1 diabetes develops. Lessons learned from organ donors	Technology-supported behavior intervention in type 2 diabetes <u>Max Nieuwdorp</u> - A balanced view on microbiome in obesity <u>Luca Busetto</u> – Will new pharmacological treatment for obesity and early diabetes replace bariatric surgery? <u>Primož Kotnik</u> Managing severe obesity in pediatric population					

Thursday, 7 March, 2024

14:30-14:40	Break to Change Halls									
14:40-16:10	PLENARY INDUST	RY SYMPOSIUM (not	included in	the main event CME/CPD credi	t)					
16:10–16:40	COFFEE BREAK, EX	HIBITION & E-POST	ERS							
16:40-18:10	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	PARALLEL SESSION 7 STANDARDIZATION OF PROS	ORALS 2	PARALLEL SESSION 8 ROLE OF TECHNOLOGY IN NORMAL HEALTHY AND IN GDM PREGNANCY	PARALLEL SESSION 9 THE EFFECT OF DIABETES ON BRAIN HEALTH	PARALLEL SESSION 10 HYBRID CLOSED- LOOP FOR TYPE 2 DIABETES - HURDLES AND BENEFITS	PARALLEL SESSION 11 ACCESSIBILITY AND DISPARITIES OF DIABETES THERAPY	ORALS 3		
		Oliver Schnell - What PROs mean in routine clinical care Katharine Barnard- Kelly - Consensus statement summary, navigating the maze of PROs Mary Murphy - What inclusion of quality PRO assessment in clinical trials means to people with diabetes Alon Liberman – Real world data from type 1 diabetes clinics		Celeste Durnwald – Can CGM replace the oral glucose tolerance test for diagnosis of gestational diabetes? Eleanor Scott - CGM glucose trajectories associated with large and small for gestational age birthweight Helen Murphy – Should everyone with type 1 diabetes be offered closed-loop during pregnancy? Yariv Yogev - Should all women with diabetes in pregnancy undergo induction of labor at 38 weeks of gestation?	Mark Strachan - Update on diabetes- associated cognitive dysfunction Tali Cukierman- Yaffe - Diagnosis & monitoring of brain health in people with diabetes Hertzel Gerstein - Brain aging in people with diabetes - Possible intervention David Tanne - Novel approaches and the role of technology in treating brain aging in people with diabetes	Yves Reznik - Closed-loop as home care for type 2 diabetes: The Close study Charlotte Boughton - Cumulated experience with CamAPS in type 2 diabetes Gregory Forlenza - Real-world data on hybrid closed- loop (HCL) in type 2 diabetes Anne Peters - Pod use for closed- loop in type 2 diabetes	Lori Laffel - Interventions to reduce health disparities in diabetes device use V Mohan – Innovating to use existing technologies under resourced settings Partha Kar - Widening clinical use of diabetes tech in the UK Stuart Weinzimer - Strategies to facilitate technology use in disadvantaged youth with diabetes Ananta Addala - Solutions for equity: A call to action			

Friday, 8 March, 2024

08:30-09:20	PLENARY INDUSTRY SY	/MPOSIUM (not include	d in the main event CM	E/CPD credit)				
09:20-09:30	Break to change halls							
09:30-10:30	EUDF - PARALLEL SESSION 12 AI DRIVEN CLINICAL DECISION SUPPORT SYSTEMS - POTENTIAL, CONCERNS AND WHAT TO EXPECT?	PARALLEL SESSION 13 DUAL AND TRIPLE AGONISTS IN DIABETES AND OBESITY	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	PARALLEL SESSION 14 SKIN PROBLEMS IN DIABETES	PARALLEL SESSION 15 WEEKLY INSULINS	PARALLEL SESSION 16 PRACTICAL USE OF CGM	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	ORALS 4
	Stefano Del Prato – Welcome and introduction	<u>Viral Shah</u> – GLP- 1RA and SGLT in type 1 diabetes		Anna Korsgaard Berg - Skin problems caused by diabetes devices	<mark>Julio</mark> <u>Rosenstock</u> – Update on	<u>Cari Berget</u> - Technology pearls for		
	Lutz Heinemann - Al for diabetes management and state-of-the art today Mia Barjamagic - Potential & concerns linked to the use of Al from the PwD perspective	Michael Camilleri - Pharmacological intervention with dual and triple agonists in obesity: Clinical efficacy and effects on stomach emptying <u>Andrej Janež</u> – Incretins and taste		Julia MaderLipohypertrophy and itseffect on glucosecontrol/insulinuptake/causes/detection/training and awareness of HCPand PwDDeirdre Fitzgerald HugesShining a light on diabeticfoot infections, development	weekly insulin Icodec: The way of the future Juan Frias – Update on weekly insulin Efsitora Chantal Mathieu –	professionals <u>Steven</u> <u>Edelman</u> – Top 10 tips to help people with diabetes (PwD) stay in range <u>Steven</u> <u>Edelman and</u> Jeremy Pettus		
	Tadej Battelino - Implementing Al: Roadmap and guidelines Q&A and Discussion			of novel photodynamic materials	CGM derived data on weekly insulins	– Rapid fire interpretations of CGM downloads		
10:30-11:00	COFFEE BREAK, EXHIBIT	FION & E-POSTERS						
11:00-12:30	PLENARY INDUSTRY SY		d in the main event CM	E/CPD credit)				

PLENARY INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)

12:30-13:30	LUNCH BREAK, EXHIBITION & E-POSTERS
13:30-15:00	PLENARY 2 ATTD YEARBOOK SESSION
	Klemen Dovc - Continuous and intermittent glucose monitoring
	Rayhan A. Lal - Insulin delivery hardware: pumps and pens
	Lutz Heinemann - New insulins, biosimilars and insulin therapy
	Mark Clements - Closed-loop, artificial intelligence-based decision support systems and data science
	Mark Clements - Using digital health technology to prevent and treat diabetes
	Jennifer M. Yamamoto - Technology and pregnancy
	David M. Maahs - Diabetes technology and therapy in the pediatric age group
	Dessi P. Zaharieva - Advances in exercise and nutrition as therapy in diabetes
	Thomas W. Martens - Primary care and diabetes technologies and treatments
	Medha Munshi - Use of technologies at the advanced age
	Ananta Addala - Diabetes technology in the "real world": Expanding access and addressing disparities
	Alon Liberman - Diabetes technology and the human factor
	Desmond Schatz - Immune interventions and restorative therapies in type 1 diabetes
	Viral N. Shah - Obesity, NAFLD/NASH and diabetes
	Satish K. Garg - Virtual clinics for diabetes care
	Satish K. Garg - New medications for the treatment of diabetes
15:00-15:15	Break
15:15-16:45	PLENARY INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)
16:45-17:15	COFFEE BREAK, EXHIBITION & E-POSTERS

17:15-18:45	PARALLEL SESSION 17 OBESITY IN TYPE 1 DIABETES	PARALLEL SESSION 18 AUTOMATED INSULIN DELIVERY IN CHILDREN	PARALLEL INDUSTRY SYMPOSIUM (not included in the main event CME/CPD credit)	PARALLEL SESSION 19 SELF MANAGEMENT OF I (17:15-18:05)	DIABETES	PARALLEL SESSION 20 CGM GUIDED PRECISION DIABETES MANAGEMENT	PARALLEL SESSION 21 INTEROPERABILITY OF DIABETES TECHNOLOGY	PARALLEL INDUSTRY SYMPOSIU M (not included in the main event CME/CPD credit)	ORALS 5
	Satish Garg - Management options for treating obesity in type 1 diabetes patients Jeremy Pettus - Insulin resistance in type 1 diabetes: An underapprecia ted problem Kirsten Nørgaard - Effects of GLP1 in type 1 diabetes Victor Gerdes - Bariatric surgery in diabetes	Revital Nimri - Maximizing glycemic control with automated insulin delivery in young children Thomas Danne – Worldwide progress achieving treatment targets in children with type 1 diabetes Ivana Rabbone - Technology in the changing management of diabetes in children Mataša Bratina - Data on diabetes treatment in children below the age of six		Mark Clements – Just in adaptive interventions: T technology to "hack" dia self-management behav John Leth - The potentia open-source software in research Heiko Peuscher - A surve existing open-source pro- diabetes simulation Short Break PARALLEL SESSION 22 TECH IT OUT OF THE BOX PAPERS, POLICY, PATIENT (18:15-18:45) Partha Kar Introduction Partha Kar - Challenges getting technology into Eleanor Scott - CGM in Pregnancy Jazz Sethi - D-Coding ter research into reality	he new betes ior al of diabetes rey on ojects in c: TS of policy	Tara Ettestad - CGM Guided Nutrition <u>Michael Riddell</u> - CGM guided exercise <u>Thomas Martens</u> – CGM guided insulin management <u>Darja Šmigoc</u> <u>Schweiger</u> - Guided management of diabetes in female	David Klonoff – Interoperability of diabetes technology - Academic view Alexander Olbrechts - Interoperability of diabetes technology - A company's view Johan Jendle - Interoperability of diabetes technology - Regulatory hurdle <u>Tim Street</u> – Interoperability of diabetes technology - Patient's view		
18:45-18:55									
18:55- 20:25	IGNITE START-UF credit)	P NETWORKING EVEN	IT (not included in t	the main event CME/CPD	ATTD PARTI	NER EVENT (not included in t	the main event CME/CPD cre	edit) (19:15 – 2	1:30)

Saturday, 9 March, 2024

08:30-09:20	PLENARY INDUSTRY SYM	POSIUM (not included in the	main event CM	E/CPD credit)			
09:20-09:30	Break to Change Halls						
09:30-11:00	PARALLEL SESSION 23 DECISION SUPPORT AND AUTOMATED INSULIN DELIVERY FOR THE MANAGEMENT OF TYPE 2 DIABETES	PARALLEL SESSION 24 CHALLENGES IN METABOLIC CONTROL	ORALS 6	PARALLEL SESSION 25 CGM CLINICAL WORKFLOW	PARALLEL SESSION 26 SCREENING, INTERVENTION AND PREVENTION OF TYPE 1 DIABETES	PARALLEL SESSION 27 NUTRITION AND FOOD TECHNOLOGIES	ORALS 7
	<u>Chiara Fabris</u> - Simulation-enhanced closed-loop adaptation of long-acting insulin dosing in T2D <u>Lia Bally</u> - Virtual clinic for insulin therapy in type 2 diabetes <u>Morten Hasselstrøm</u> <u>Jensen</u> - Adherence through cloud-based personalized treatment for Type 2 diabetes: The ADAPT-T2D project	Richard Bergenstal - We need to clear the FOG (Feet on the Ground) hyperglycemia in order to minimize hyperglycemia Elisabeth Selvin - Diabetes and cognitive decline and dementia Francesco Giorgino - Addressing glucose patterns in type 2 diabetes: Opportunities and challenges Nebojsa Lalic - Achievement of optimal time in range and glucose variability in pump treated type 1 diabetes patients with diabetic kidney disease		David Maahs - Early CGM initiation in pediatric type 1 diabetes: Equity and logistical considerations from the 4T Study Amy Criego – CGM Success: Device start and ongoing data management to improve patient care Nana Jones - Integration of CGM data into the EMR – Challenges and successes Xavier Cos - Use of CGM by the primary care providers	Emanuele Bosi – Universal screening for risk of type 1 diabetes: Can it be an effective prevention tool? Laura Jacobsen – Immune therapy – Predicting responders/non-responders Jennifer Sherr – Teplizumab therapy in the real world Raffaella Buzzetti – Antibody positivity in adult population	Michal Gillon- Keren - Facilitate carb counting for people with diabetes Laya Ekhlaspour - Beyond carbohydrate counting: Optimizing mealtime insulin dosing Peter Jacobs - Unannounced meal detection algorithms: Can we eliminate manual meal boluses? Daria Igudesman - Diet, microbiome, obesity and type 1 diabetes	

11:30-13:00	PARALLEL SESSION 28 TO CGM OR NOT TO CGM?	PARALLEL SESSION 29 SPORT IN DIABETES	ORALS 8	PARALLEL SESSION 30 GENDER DIFFERENCES IN DIABETES MANAGEMENT AND GLUCOSE CONTROL	JDRF - PARALLEL SESSION 31 CELL REPLACEMENT THERAPY	PARALLEL SESSION 32 ADVANCES IN TREATING DIABETES	TECHFAIR WINNERS' PRESENTATIONS (not included in the main event CME/CPD credit)	ORALS 9
	Tadej Battelino - CGM derived criteria for stage 2 type 1 diabetes Leon Farhy – Diagnostic CGM Anders Carlson - The use of CGM in prediabetes and obesity Dario Rahelic - Use of CGM in nutrition management in type 2 diabetes	Klemen Dovc - Automated insulin delivery around exercise in type 1 diabetes: Individualization versus generalizability <u>Michael Riddell</u> - Lessons learned from the ongoing type 1 diabetes exercise research initiative <u>Kirsten Nørgaard</u> - Low-dose glucagon to prevent hypoglycemia during exercise <u>Dessi Zaharieva</u> - Translation of exercise guidelines into practical applications for		Eda Cengiz - Update on diabetes Female Technology (femtech) Chiara Fabris - What do women want (and need)? Results from the large-scale IMAGINE survey Jane Yardley - Challenges of exercise in women with type 1 diabetes Brynn Marks - Insulin delivery is automated, but the education is not: Mothering diabetes technology users	Ester Latres - Introduction Peter Senior - 20- year outcomes of islet cell transplantation - The benchmark for stem cells? José Oberholzer - Islet cell replacement therapy for type 1 diabetes Qizhi Tang - Engineering beta cells to enable immunosuppression- free replacement therapy for type 1 diabetes Round Table	Peter Adolfsson - Current use of connected pens Fernando Gómez Peralta - Connected insulin pens and caps: An expert's recommendation from the area of diabetes of the Spanish Endocrinology and Nutrition Society (SEEN) Christophe de Block – Ketone continuous measurement – Is it needed? Andrea Facchinetti - Digital twin technologies for treating diabetes Neal Kaufman - The importance and impact of family caregivers on a variety of outcomes for people with diabetes		
13:00-13:45	LUNCH BREAK	type 1 diabetes	STERS					

13:45-15:15	PARALLEL SESSION 33 OBESITY AND TYPE 2 DIABETES	PARALLEL SESSION 34 DIABETES IN ITALY	ORALS 10	ISPAD/ATTD - PARALLEL SESSION 35 DIABETES TECHNOLOGY IN LOWER INCOME COUNTRIES	PARALLEL SESSION 36 DTECH SYMPOSIUM - DIABETES IN INDIA	PARALLEL SESSION 37 SARCOPENIA, FRAILTY AND DIABETES	ORALS 11
	Antonio Ceriello - Weight and glycemic variability: Bad companions for CVD development in diabetes Kamlesh Khunti - Early intervention for type 2 diabetes in primary care Barbara <u>McGowan</u> - Medical therapies for treatment of obesity Jernej Kovac - Genetic background of obesity	Marco Marigliano - Relationships between insulin delivery system, CGM satisfaction and glucometrics Andrea Scaramuzza - Real-world data in very young AHCL users - Comparison among different systems <u>Nicola Minuto</u> - Sick days management using AHCL systems in pediatrics: What to do when the algorithm is not enough <u>Sergio di Molfetta</u> - CGM in type 2 diabetes patients: From professional use to experiences in patients not insulin treated		Renza Scibilia – Type 1 diabetes global index and overview of diabetes technology present and future in lower income countries Thereza Piloya- Were - Impact of CGM in East Africa, research and translation Hamidah Nabakka - Diabetes advocate perspective on diabetes technology in low- income countries	 <u>Banshi Saboo</u> - Welcome and introduction to Dtech symposium <u>Shashank Joshi</u> - Artificial intelligence in diabetes care <u>Jothydev Kesavadev</u> - 25 years of telemedicine vs. conventional care in diabetes: Assessing vascular complications and quality of life <u>Manoj Chawla</u> - Optimizing real time CGM in self-pay markets <u>Amit Gupta</u> - Challenges and opportunities in digital diabetes care in India <u>Rakesh Parikh</u>: Artificial Intelligence in the management of diabetes 	Alan Sinclair - Diabetes, sarcopenia and frailty: Interrelationships and clinical importance Leocadio Rodríguez Mañas - Current treatment options for sarcopenia in the context of frail older people with diabetes Tali Cukierman-Yaffe - How to measure and monitor sarcopenia and frailty	

15:15-15:25	Break to Change Halls
15:25-16:25	PLENARY 3
	CURE OF DIABETES
	Michael Haller - Cost effectiveness of immune therapies in preserving beta cell function – Real world applications
	Jay Skyler - Stem cell approaches to type 1 diabetes
	Michael Rickels - Islet cell therapy vs. closed loop insulin delivery for type 1 diabetes
16:25-17:00	CLOSING REMARKS
17:00	FAREWELL REFRESHMENTS