

2020 Diabetes Canada/CSEM Professional Conference Program At-A-Glance

For more information about the 2020 Diabetes Canada/CSEM Professional Conference, please visit dcanconference.ca

*Note: all times in ET. Schedule is tentative and may change as program is confirmed.

Tuesday, October 27, 2020

11:00 – 16:00 **Diabetes Canada & Diabetes Action Canada Trainee Day**
Theme: Shifting the Paradigm in Patient-Oriented Research: Are We There Yet?

11:00 – 16:45 **CSEM 15th Annual Endocrine Residents' Day Review Course**
Faculty Representative: Dr. Brea Paty
Resident Representative: Dr. Nadia Moledina

Wednesday, October 28, 2020: Allied Health Stream

10:45 – 11:45 **Plenary Lecture 1: Diabetes and Mental Health: Never a Better Time to Expand Scope of Practice**
Speaker: Dr. Michael Vallis

12:00 – 12:45 **Session 1: Exercise in a COVID Era**
Speaker: Dr. Jane Yardley; Dr. Ronald Sigal
Session 2: Telehealth and Virtual care
Speaker: Dr. Jeff Winterstein
Session 3: Traditional/Originals Food Guide
Speaker: Rachel Dickens

13:00 – 13:45 **Lunch/Networking/Exhibits**
Co-Developed Accredited Lunch – Topic TBC

14:00 – 14:50 **Session 4: DIY Looping**
Speaker: Kate Farnsworth
Allied Health Oral Abstract Session 1

1. The effect of diabetes health coaching on glycemic control and quality of life in adults living with type 2 diabetes: a community-based randomized controlled trial.
2. Outcomes with Intermittently Scanned Continuous Glucose Monitoring (isCGM) Used Prior to First Appointment with an Endocrinologist, Compared to Fingerstick Monitoring (FSBGM): SPOT-FIRST study
3. Patient and Paramedic Experiences with a Direct Electronic Referral Program for Hypoglycemia Education Following Paramedic Service Assist-Requiring Hypoglycemia: A Qualitative Study
4. Benefits of Flash Glucose Sensors on Type 2 Diabetes Management and Exercise Behaviour in Insulin and Non-Insulin treated Patients

Allied Health Oral Abstract Session 2

5. The Association of Exercise Blood Glucose on Post-Exercise Hypoglycemia in Type 1 Diabetes
6. Variation in Patient-described Barriers and Facilitators to Diabetes Self-Management by Glycemic Control and Individual-Level Characteristics
7. Evaluation of a novel approach to health care delivery: The inclusion of an Indigenous Knowledge Keeper and Art therapy in a youth onset type 2 diabetes clinic
8. Barriers and facilitators to providing psychosocial care in pediatric diabetes in our province

15:00 – 15:45 Session 5: Drugs in pregnancy (metformin use / MiTY Trial)

Speaker: Dr. Denice Feig

Session 6: Update on Diabetes Canada Clinical Practice Guidelines

Speakers: Dr. Peter Senior; Dr. Lorraine Lipscombe

Session 7: Chemotherapy and corticosteroid use. Can we do better to manage our diabetic patients?

Speakers: Dr. H  l  ne Long; Steve Chalifoux

16:00 – 16:45 Isabel Lockerbie Address: Understanding siwinikan aspinewin ("Diabetes") and the whole human

Speaker: Dr. James Makokis

**17:00 – 17:45 Networking/Exhibits
Co-Developed Accredited Symposium– Topic TBC**

Thursday, October 29, 2020: Scientific Stream

10:45 – 11:45 Plenary Lecture 2: COVID-19 and Diabetes

Speaker: Dr. Alice Cheng

12:00 – 12:45 Session 8: Clinical Stream: T2D prevention & Lifestyle

Speaker: Dr. Harpreet Bajaj; Dr. Jon McGavock

Session 9: Pre-clinical Stream: Islet Dysfunction

Speaker: Dr. Patrick MacDonald; Dr. Barbara Corkey

Session 10: Translational Stream: Renal Complications

Speaker: TBC

**13:00 – 13:45 Lunch/Networking/Exhibits
Co-Developed Accredited Lunch – Topic TBC**

14:00 – 14:50 Clinical Stream Oral Abstract Session 1

1. A Meal Detection Algorithm for the Artificial Pancreas: A Randomized Controlled Clinical Trial in Adolescents with Type 1 Diabetes
2. Hypertension and Albuminuria in Pediatric Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis
3. Novel Fully-Automated Fiasp-plus-Pramlintide Artificial Pancreas for Type 1 Diabetes: Randomized Controlled Trial
4. Urine cytokine levels and albuminuria progression over 2 years in youth with Type 2 Diabetes

Pre-clinical Oral Abstract Session 2

5. Investigating the molecular and metabolic regulators of rhythmic insulin secretion over 24 hours

6. Lysosomal dysfunction and impaired autophagy exacerbate hypoxia-induced β -cell death and islet graft failure
7. RGS9 is Required for Glucose-induced Beta-cell Proliferation in Ex Vivo Pancreatic Islets
8. CRISPR-Cas9 optogenetic system for insulin expression in human embryonic stem cell-derived beta-like cells

Translational Oral Abstract Session 3

9. Empagliflozin is Associated with Increased Plasma Lipid Metabolites in Type 1 Diabetes
10. Regulation of Glucose Metabolism via the Intra-Islet DPP4/Incretin Axis
11. Effects of Carbamazepine and other Nav 1.7 inhibition on Human Pancreatic β -cell survival and type 1 diabetes initiation
12. Investigating the Contribution of the HNF-1 α G319S Gene Variant to Early-Onset Type 2 Diabetes (T2D) using MIN6 β -cells and Mice

15:00 – 15:45 **Session 11: Clinical Stream: T2D Pharmacotherapy: SGLT2 inhibitors and GLP-1 receptor agonists in combination**

Speaker: Dr. Jeremy Gilbert, Dr. Ron Goldenberg

Session 12: Pre-clinical Stream: T1D Biomarkers and Disease Prediction

Speakers: Dr. Emily Sims; Dr. Megan Levings

Session 13: Translational Stream: Early Life Determinants of Diabetes Risk and Pathogenesis

Speaker: Dr. Brandy Wicklow, Dr. Jenny Bruin

16:00 – 16:45 **Session 14: Clinical Stream: Pediatric to Adult Diabetes Care Transition**

Speaker: Dr. Sonia Butalia

Session 15: Pre-clinical Stream: Adipose Tissue Dysfunction, Obesity and Diabetes

Speakers: Dr. Gareth Lim; Dr. Mathieu Laplante

Session 16: Translational Stream: Using Nutrition to Achieve T2D Remission and Metabolic Health

Speakers: Dr. Jon Little; Dr. Satchin Panda

17:00 – 17:45 **Networking/Exhibits Co-Developed Accredited Symposium – Topic TBC**

Friday, October 30, 2020: CSEM Stream

10:45 – 11:45 **Dr. Jacques Genest Lecture: New Developments in Imaging for Endocrinologists**

Speaker: Prof. Dr. James Nagarajah

12:00 – 12:45 **Dr. Henry Friesen Lecture: Genetic testing in daily clinical endocrinology practice with a focus on diabetes**

Speaker: Dr. Andrew Hattersley

13:00 – 13:45 **Lunch/Networking/Exhibits Co-Developed Accredited Lunch – Topic TBC**

14:00 – 15:45 **Resident Clinical Vignettes/Research Projects Session**

14:00 – 14:45 **Session 17: Obesity Update – New Guidelines**

Speaker: Dr. Sue Pedersen

17:00 – 17:45 **Networking/Exhibits Co-Developed Accredited Symposium – Topic TBC**