



**October
12-14, 2017**

Hilton Toronto
Airport Hotel & Suites,
Toronto, Ontario



Join us



**October
11-13, 2018**

Calgary, Alberta
#CHC18



Who we are

Hypertension Canada is the country's only national non-profit organization dedicated solely to the prevention and control of hypertension and its complications. Powered by a professional volunteer network of the nation's leading multidisciplinary experts, Hypertension Canada pursues its mission through research, professional and public education, and advocacy for healthy environments. Learn more at www.hypertension.ca.

What drives us

At Hypertension Canada, our mission and vision are at the core of everything we do. We foster the health care professional's network for excellence in hypertension research, education and care.

Mission: Advancing health through the prevention and control of high blood pressure and its complications.

Vision: Canadians will have the healthiest and best managed blood pressure in the world.

How we'll get there

► Inspire innovation

Hypertension Canada is proud to invest in promising and talented hypertension investigators. We support the important work of current and future investigators through strategic partnerships; we foster career mentoring and succession planning; and collaboratively work with clinicians and patients to set hypertension research priorities.

► Invest in education

Hypertension Canada creates and publishes the world-renown clinical practice guidelines for hypertension diagnosis, treatment, and control, and supports health care professionals in their application. The Hypertension Canada Guidelines are developed by a multi-disciplinary task force and are rigorously reviewed and annually updated. We provide a suite of accredited educational programs for health care professionals based on the guidelines, and create educational resources for professionals to use with their patients.

► Initiate conversations

Hypertension Canada works with stakeholders, partners, and government to improve awareness, prevention, and treatment of hypertension and its complications. We make it our business to keep abreast of issues affecting people with hypertension and the professionals who treat them, and seek opportunities to make positive changes that bring us closer to achieving our mission.

► Intentionally engage

Our work is most effective when we collaborate. Hypertension Canada proudly leads the conversation on emerging hypertension issues, and engages our community in innovative new ways. We strive to connect with diverse professionals and partners to chart the most effective and collaborative approaches to our work. And together, we advance health through the prevention and control of hypertension and its complications.

Thursday, October 12, 2017

18:00 - 19:00	<p>Opening Remarks (MISSISSAUGA B&C) <i>Dr. Ross Feldman, Canadian Hypertension Congress Chair</i></p> <p>Vancouver 2010 Lecture Integrating Management of Blood Pressure and Multiple Chronic Conditions in Hypertensive Adults <i>Dr. Brent M. Egan</i></p> <p><i>Dr. Janusz Kaczorowski, Chair in Hypertension Prevention and Control</i></p> <p>Closing Remarks <i>Dr. Nadia Khan, President and Chair of the Board, Hypertension Canada</i></p>
19:00 - 20:30	<p>Poster Session # 1 - This session is not certified (YORK BALLROOM)</p> <p>Biomedical Research Track</p> <p>BM1 Distinct Molecular Compositions of Circulating Microparticles in Hypertension and Diabetes - <i>Dylan Burger</i></p> <p>BM2 Determining Cellular Signaling Patterns Before and After Stroke in the Middle Cerebral Arteries of Stroke Prone Spontaneously Hypertensive Rats (SHRsp) - <i>Killol Chokshi</i></p> <p>BM3 $\gamma\delta$T Cells Drive CD4⁺ and CD8⁺ T Cell Activation in Hypertension - <i>Antoine Caillon</i></p> <p>BM5 Cardio Protective Benefits of Combination Treatment with Glucagon-Like Peptide-1 Receptor Agonist and Sodium Glucose Co-Transporter-2 Inhibitor in Mice - <i>Dorriin Zarrin Khat</i></p> <p>BM6 Mapping of Chromosome 2 Differentially Expressed Aortic Genes Linked to Vascular Inflammation Using Congenic Rats Fed a High-Salt Diet - <i>Olga Berillo</i></p> <p>BM7 The Role of Endoplasmic Reticulum Stress in the Development of Hypertension in the SHR - <i>Safaa Naiel</i></p> <p>BM8 Three Months of Induction of Endothelial Human Endothelin-1 Over-Expression Causes Blood Pressure Rise and Renal Injury - <i>Pierre Paradis</i></p>
19:00 - 20:30	<p>Poster Session # 1 - This session is not certified (YORK BALLROOM)</p> <p>Clinical Research Track</p> <p>C1 Screening for Hypertension During Consultation in a Walk-in Service: The Predictive Value of Adding AOBP Following Elevated Values During Routine Measurement. Preliminary Results - <i>André Michaud</i></p> <p>C2 Development and Validation of a Survey to Assess Barriers and Facilitators to Implementation of Nutrition Guidelines for Patients with Hypertension Managed by Primary Care Physicians - <i>Sadeem Alsaeed</i></p> <p>C3 High Prevalence of Masked Uncontrolled Hypertension Among Treated Patients Followed Under Routine Canadian Clinical Care - <i>Lyne Cloutier</i></p> <p>C4 Prevalence and Predictors of Orthostatic Hypotension at a Tertiary Care Hypertension Clinic with New Diagnostic Thresholds - <i>Mohammad Ali Faraz</i></p> <p>C5 Interrogation of the Autoregulatory Reflex of the Inner Retinal Circulation of the Eye in Pregnancy Using Optical Coherence Tomography - <i>Robert J. Herman</i></p> <p>C6 microRNA profiling in Small Resistance Arteries of Hypertensive Patients with or without Chronic Kidney Disease - <i>Kugeng Huo</i></p> <p>C7 Are BP Level Achieved and BP Variability Related to Maternal and Perinatal Outcomes? A Secondary Analysis from the CHIPS (Control of Hypertension In Pregnancy Study) Randomized Controlled Trial - <i>Alexander Logan</i></p> <p>C8 Effect of Brief Motivational Lifestyle Advice Provided by Pharmacists on Blood Pressure: The COMmunity Pharmacists ASSist Blood Pressure (COMPASS-BP) Project Cluster Randomized Trial - <i>Hiroshi Okada</i></p> <p>C9 Association between Obstructive Sleep Apnea and Arterial Stiffness in a High-Risk Pregnancy Population - <i>Kim Phan</i></p> <p>C10 The Economic Impact of Dietary Sodium Reduction in Canada - <i>Hena Qureshi</i></p> <p>C11 Successful Surgical Management of Hypertension in a Female with Multiple Adverse Drug Reactions and Bilateral Renal Artery Stenosis - <i>Gavin Sun</i></p> <p>C12 Validation of an Automated Office Blood Pressure Measurement Device for use in Pregnancy - <i>Karen Tran</i></p>
19:00 - 20:30	<p>President's Reception Room: York Ballroom</p>

Friday, October 13, 2017

Saturday, October 14, 2017

	Biomedical Research Track ROOM: MISSISSAUGA B	Clinical/Outcomes/ Population Research Track ROOM: DUNDAS	Primary Care Track ROOM: VISTA SALON
	Each 15 min session includes a 5 min Q&A Each 30 min session includes a 10 min Q&A	Each 15 min session includes a 5 min Q&A Each 30 min session includes a 10 min Q&A	Three 20 min sessions + 30 min Panel Discussion
07:30 - 08:45	BREAKFAST (MISSISSAUGA A&D)		
09:00 - 10:30	Biomedical Session # 1 Co-chairs: Drs. Jeffrey Dickhout & Dylan Burger 09:00 Activation of Nitric Oxide and Endothelial Function, Rather than Lowering of Blood Pressure, is Essential to Losartan's Anti-Aortic Root Remodeling Activities - Pascal Bernatchez 09:15 Improved Cardiometabolic Profile Linked to Kcc3 Ablation in Mouse - Alexandre P. Garneau 09:30 Effect of Hypertension and Exercise Training on Fertility - Shahin Shabanipour Dehboneh 09:45 Impact of Endothelial Colony Forming Cells Injection on Heart Remodeling in an Experimental Rodent Model of Bronchopulmonary Dysplasia - Camille Girard-Bock 10:00 - 10:30 STATE OF THE ART: Vascular Proteostasis in Hypertension - Dr. Jeffrey Dickhout	Clinical Session # 1 Co-chairs: Drs. Valérie Santschi & Ross Tsuyuki 09:00 - STATE OF THE ART: Pharmacist Care in the Management of Hypertension - Dr. Valérie Santschi 09:30 Cardiovascular Risk Factors in a Population of Subsidized Housing Residents - Gina Agarwal 09:45 Implementing the Hypertension Management Program: A Journey to Success - Johanna Fontaine 10:00 Estimating the Benefits of Treating Pre-Hypertension - Steven Grover 10:15 Re-Analysis of the Systolic Blood Pressure Intervention Trial (SPRINT): The Renal Consequences of Intensive versus Standard Blood Pressure Lowering - Leora Branfield Day	Primary Care Session # 1 Co-chairs: Drs. Stella Daskalopoulou & Doreen Rabi Core Curriculum in Hypertension 09:00 New Thresholds and Targets in BP Management in a Post-SPRINT World - Dr. Doreen Rabi 09:20 Which Blood Pressure Method and Why? - Dr. Mark Gelfer 09:40 What is the Workup for Someone with Hypertension? What Do You Do Next? - Dr. Ally Prebtani 10:00 Panel Discussion
10:30 - 11:00	HEALTH BREAK (MISSISSAUGA FOYER)		
11:00 - 12:30	Biomedical Session # 2 Co-chairs: Drs. Pierre Paradis & Pascal Bernatchez 11:00 B-cell Deficiency in Mice with Hypomorphic c-myb Affects Blood Pressure and Renal Homeostasis - Luke Dingwell 11:15 Sedentary Activity is Associated with High Risk of Preeclampsia - Nazha Raguema 11:30 Vessels are an Important Depot for Phosphate in Response to an Oral Load in an Experimental Model of CKD - Mandy Turner 11:45 In Vivo miR-431 Inhibition Protects Against Vascular Damage and Hypertension - Kugeng Huo 12:00 - 12:30 STATE OF THE ART: The Role of the Non-neuronal Cholinergic System in Regulating Cardiac Function - Dr. Robert Gros	Clinical Session # 2 Co-chairs: Drs. Swapnil Hiremath & Raj Padwal 11:00 - STATE OF THE ART: Tweets and Likes: The Role of Social Media in Medicine - Dr. Swapnil Hiremath 11:30 Impact on Blood Pressure of Mobile-Based Application (eKidneyCare) in Patients with Chronic Kidney Disease: A Randomized Controlled Trial - Stephanie Ong 11:45 Job Strain and the Prevalence of Uncontrolled Hypertension among White-collar Workers - Mathilde Lavigne-Robichaud 12:00 Marked Differences in Oscillometric-Derived Systolic BP Occur With Use of Different Algorithms - Raj Padwal 12:15 The Relationship Between Alcohol Consumption and Sex-Specific Incidence of Hypertension: A Systematic Review and Dose-Response Meta-Analysis of Cohort Studies - Michael Roerecke	Primary Care Session # 2 Co-chairs: Drs. Tavis Campbell & Alexander Leung Core Curriculum in Hypertension 11:00 Uncomplicated Hypertension: Which Drug, Which Drug Combination? - Dr. George Dresser 11:20 Which Hypertension Drug for Co-Morbidity? - Dr. Ross Feldman 11:40 How to Structure a Health Behavior Prescription for CV Risk Reduction as Part of Routine Care - Dr. Tavis Campbell 12:00 Panel Discussion
12:30 - 14:00	LUNCH SYMPOSIUM (MISSISSAUGA A&D) Guidelines 2018 - A View from Both Sides of the 49th Parallel		
14:00 - 15:30	Hypertension Canada Award Lectures (MISSISSAUGA B) Chair: Dr. Nadia Khan 14:00 JACQUES DE CHAMPLAIN NEW INVESTIGATOR AWARD LECTURE: Low-Renin Hypertension: A Rose by Any Other Name - Dr. Alexander Leung 14:30 SENIOR INVESTIGATOR AWARD LECTURE: Current and Future Hypertension Surveillance System - Dr. Hude Quan 15:00 GEORGE FODOR AWARD LECTURE: 40 Years of Electronic Blood Pressure Measurement: A Personal Perspective - Dr. Martin Myers		Primary Care Session # 3 Co-chairs: Drs. Ally Prebtani & Peter Bolli Managing the Other Risk Factors and Hypertension Complications 14:00 Diabetes Management: Beyond Metformin - Dr. Christine Orr 14:20 A Fib: What's the Score? What's the Drug for Rate? Rhythm? Thrombosis Prevention? - Dr. Paul Dorian 14:40 CCS 2016 Dyslipidemia Guidelines Update: What is New? - Dr. Todd Anderson 15:00 Panel Discussion
15:30 - 17:30	Poster Session # 2 (York Ballroom) - This session is not certified Biomedical Research Track BM1 JAK2/STAT3 Pathway Mediates Resveratrol-Evoked Attenuation of Angiotensin II-Induced Hyper Proliferation of Vascular Smooth Muscle Cells: Role of Nitroxidative Stress and Gi Proteins - Ekhtear Hossain BM2 High Dietary Salt Impairs Renal Arterial Myogenic Response in WKY and SHR Independent of Blood Pressure: An Endothelium-Dependent Dysfunction? - Samera Nademi BM3 Therapeutic Impact of Novel Phosphate Binder, Fermaglate, on Vascular Calcification in a Rat Model of Chronic Kidney Disease - Emilie Ward BM4 Role of Beta-Adrenergic Receptors in Arterial Stiffness in a State of High Intravascular Pressure - Reza Tabrizchi BM5 Increased Cholinergic Signaling Protects Against Cardiac Injury - Rachel Reingold BM6 TLR4 Antagonism Prevents Early Left Ventricular Hypertrophy and Dysfunction Caused by Neonatal Hyperoxia Exposure - Thuy-An Mai-Vo BM7 Circulating Microparticles Levels in Acute Hemodialysis - Dylan Burger BM8 Atherosclerosis in Type 1 Diabetes in Mice is Exaggerated by Human Endothelin-1 Through NADPH Oxidase 1 - Pierre Paradis		Primary Care Day (VISTA SALON FOYER) 15:30 - Health Break 16:00 Primary Care Session # 4 Co-chairs: Dr. Alan Bell & Ms. Dorothy Morris Independence and Collaboration Within the Hypertension Community 16:00 Pharmacists, Hypertension and the Evidence - Dr. Ross Tsuyuki 16:20 Nurses Working in Collaboration - Dr. Lyne Cloutier 16:40 Hypertension Management in Primary Care: Best Practices - Dr. Alan Bell 17:00 Panel Discussion
15:30 - 17:30	Poster Session # 2 (York Ballroom) - This session is not certified Clinical Research Track C2 Renovascular Hypertension due to a Bcr-Abl Tyrosine Kinase Inhibitor and Response to Revascularization - Syed Obaid Amin C3 Atorvastatin in the Treatment of Lithium-Induced Nephrogenic Diabetes Insipidus: Methodology of a Pilot Randomized Controlled Trial - Jocelyne Fotso Sah C4 Accuracy Analysis of Blood Pressure Prediction from ECG and PPG signals Using Pulse Transit Time - Shrimanti Ghosh C5 MicroRNA profiling in Peripheral Blood Mononuclear Cells from Hypertensive Patients with or without Chronic Kidney Disease - Kugeng Huo C6 Contemporary and Prospective Hypertension Mortality in Sri Lanka: What Develop in the Eve of 2025? - Pinithi Jayasundara C7 Alterations in Cardiac Structure and Function in Young Adults Born Extremely Preterm: Impact of Neonatal Bronchopulmonary Dysplasia - Muhammad Oneeb Rehman Mian C8 Using an Electronic Medical Record (EMR) Dashboard and Automated Recall System to Improve Diabetes Care and Hypertension Control - Alex Lee C9 Blood Pressure Derivation Using Two Different Oscillometric Algorithms in Very Elderly Hypertensive Subjects and Healthy Controls - Raj Padwal C10 Nifedipine Extended-Release Formulations Do Not Show Any Clinically Detectable Effect on Heart Rate - Paul Timothy Pollak C11 ABPM-HI Trial: Automated Blood Pressure Monitoring in Hypertensive Inpatients Trial - Gavin Sun C12 Scoping Review of Knowledge, Perception and Practices of Health Professionals in Regard to Home Blood Pressure Measurement - Shweta Tockar C13 Complications Associated with Increasing Anti-hypertensive Agent Use: A Real World Population Based Analysis - Karen Tran		



	Biomedical Research Track ROOM: MISSISSAUGA B	Clinical/Outcomes/ Population Research Track ROOM: VISTA SALON
	Each 15 min session includes a 5 min Q&A Each 30 min session includes a 10 min Q&A	Each 15 min session includes a 5 min Q&A Each 30 min session includes a 10 min Q&A
07:45 - 08:45	Hypertension Canada's Annual General Meeting & Award Presentations with Continental Breakfast (MISSISSAUGA A&D)	
09:00 - 10:30	Biomedical Session # 3 Co-chairs: Drs. Anne Monique Nuyt & Noriko Daneshmand 09:00 - STATE OF THE ART: Cardiovascular Disease Risk Factors in Adults Born Preterm: A new Population to Care For - Dr. Anne Monique Nuyt 09:30 Implication of Adipose Tissue and the Beneficial Effects of Exercise Training on Preeclampsia in a Mouse Model - Kevin Coutu 09:45 Sex Differences in the Adipokine, Lipid, and Immune Profiles of Men and Women with Severe Carotid Atherosclerosis - Karina Gasbarrino 10:00 Angiotensin II Type 2 Receptors Contribute to Neurovascular Coupling and Nitric Oxide Bioavailability Rescue in a Mouse Model of Alzheimer's Disease - Jessika Royea 10:15 Wrist versus Waist: The Impact of Accelerometer Wear Location on the Relationship Between Step Counts and Arterial Health in Adults with Hypertension and Type 2 Diabetes - Alexandra Cooke	Clinical Session # 3 Co-chairs: Drs. Janusz Kaczorowski & Donna McLean 09:00 Use of Hypertension Canada Guidelines for Teaching in Canadian Medical Schools - Ross Tsuyuki 09:15 The 22-year PROspective Quebec (PROQ) Study on Work and Health Conducted among 9000 White-Collar Workers - Xavier Trudel 09:30 Non-recommended Blood Pressure Measurement Methods Used in Routine Family Practice for Hypertension Screening and Diagnosis in Canada: Results from a National Survey - Claudio Del Grande 09:45 A Possible Alternative to Automated Office Blood Pressure Readings Used in SPRINT - Tracy Colella 10:00 - 10:30 STATE OF THE ART: Improving Cardiovascular Health at the Population Level: Systematic Review of Recent Evidence - Dr. Janusz Kaczorowski
10:30 - 11:00	HEALTH BREAK (MISSISSAUGA FOYER)	
11:00 - 12:30	Biomedical Session # 4 Co-chairs: Drs. Julie Lavoie & Michael Adams 11:00 NO Metabolism Following Preterm Birth: Are Serum Nitrite and Nitrate Levels Impaired in Young Adults Born ≤ 29 Weeks? - Rafael Fernandes 11:15 A Novel Approach to Improve and Standardize Assessment of Arterial Remodeling in Hypertension - Alex Gulsol 11:30 Plasma Circulating MicroRNAs as Potential Biomarkers in Chronic Kidney Disease - Olga Berillo 11:45 MMP Inhibition Prevents the Development of Vascular Calcification and Reduces Vessel Stiffening in Experimental CKD - Bruno Svajger 12:00 - 12:30 STATE OF THE ART: Implication of Local Renin-Angiotensin System in the Development of Preeclampsia and its Prevention by Exercise Training - Dr. Julie Lavoie	Clinical Session # 4 Co-chairs: Drs. Paul Timothy Pollak & David Spence 11:00 - STATE OF THE ART: Management of Resistant Hypertension - Dr. David Spence 11:30 Hyperreninemia Secondary to Left Atrophic Kidney and/or Right Renal Artery Stenosis in a 70-Year-Old Woman with Resistant Hypertension - Marc Chrétiën 11:45 Adverse Effect of Long Work Hours on Incident Diabetes in 7,065 Ontario Workers Followed 12 Years - Mahée Gilbert-Quimet 12:00 Blood Pressure Control Among Hypertension Patients on Lifestyle Management in Urban Informal Settlements in Kenya - Tecla Namusonge 12:15 Differences in 24-H Ambulatory Blood Pressure (ABPM) in Patients Switched between Differing Extended-Release Formulations of Nifedipine are Consistent with Differences in Drug Release Technology - Paul Timothy Pollak
Young Investigator Forum for Trainees Only (MISSISSAUGA A) Each 30 min session includes a 10 min Q&A		
12:30 - 13:30	TRIVIA LUNCH	
13:20 - 13:30	Introduction Drs. Robert Gros & Dylan Burger	
13:30 - 14:00	Career Paths: Federal Government Careers in the Public Service: Science and Beyond Tanya Burger, MES, BSc	
14:00 - 14:30	Career Paths: Pharmaceutical Industry From Academia to Industry - The Role of the Medical Science Liaison Tina Maio-Twofoot, PhD Medical Science Liaison, Medical Advisor New Products Respiratory, Novartis Pharmaceuticals Canada Inc.	
14:30 - 15:00	Career Paths: Intellectual Property And...you're a Geneticist? Justin Moores, PhD Chief Executive Officer, Synapse Inc.	
15:00 - 15:30	HEALTH BREAK	
15:30 - 16:00	Career Paths: Non-Profit The "Other" Career Path Ryan Gillespie, PhD Strategist Level 2, CorHealth Ontario (Formerly Cardiac Care Network CCN) Garth Oakes, PhD Staff Scientist, CorHealth Ontario (Formerly Cardiac Care Network CCN)	
16:00 - 16:45	Academia: Three Perspectives New Investigator: Dr. Dylan Burger Clinician Scientist: Dr. Swapnil Hiremath Mid-Career Investigator: Dr. Robert Gros	
16:45 - 17:15	Ask Me Anything Session All Presenters of the Day	
17:20 - 18:30	2017 Canadian Hypertension Congress Trainee Presentation Awards & Reception	

PROGRAM LEARNING OBJECTIVES

- Present and examine new findings on the physiology, pathophysiology, epidemiology, diagnosis & management of hypertension, atherosclerosis and related diseases.
- Review current state-of-the-art advances in managing particular groups of patients.
- Evaluate specific treatment modalities and pharmacologic agents.

ACCREDITATION

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University (10 hours).

This Group Learning program meets the certification criteria of The College of Family Physicians of Canada and has been accredited by Continuing Professional Development, Schulich School of Medicine & Dentistry for up to 10 Mainpro+ credits.

Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.

ACCREDITATION

The Canadian Council on Continuing Education in Pharmacy has accredited this program for 12.50 CEUs.



This program was supported in part by an educational grant from Servier Canada Inc. and the CIHR, Institute of Circulatory and Respiratory Health.