

# Canadian Society of Clinical Perfusion Western Region Meeting 2018

**Edmonton, Alberta  
June 8<sup>th</sup> to June 10<sup>th</sup>**



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The Canadian Society of Clinical Perfusion | La Société Canadienne  
de Perfusion Clinique

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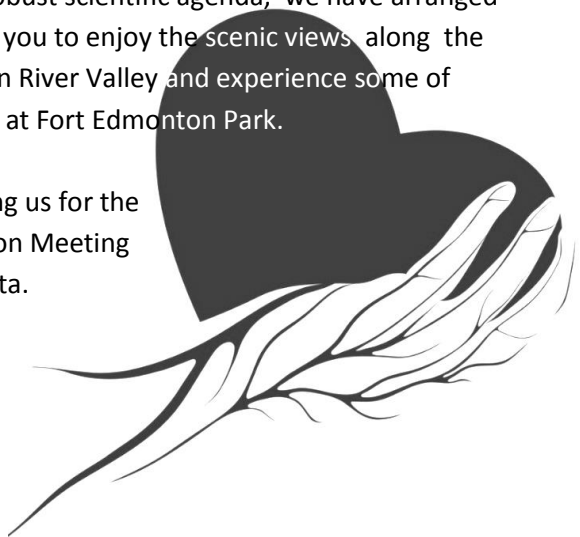
# Welcome

We are proud to host the 2018 Western Region Meeting in Alberta's capital city, Edmonton. Nicknamed Festival City, Edmonton, is a vibrant urban centre in the heart of the wilderness, the largest northernmost metropolis.

This year the meeting will be held at the world renowned Mazankowski Alberta Heart Institute. The scientific agenda has been meticulously planned by the organizing committee; highlights include the pre-conference VAD workshop, interdisciplinary presentations and unique case presentations. Panel discussions have been designed to present attendees with the opportunity to engage in candid discussion with our panelists.

In addition to the robust scientific agenda, we have arranged the opportunity for you to enjoy the scenic views along the North Saskatchewan River Valley and experience some of Edmonton's history at Fort Edmonton Park.

Thank you for joining us for the 2018 Western Region Meeting in Edmonton, Alberta.



**Friday June 8, 2018**  
**Edmonton Clinic North Health Academy Room 2-420**

**Pre-conference VAD Workshop (0830-1130)**

Moderators: Olga Malikov & David Darlington

**0830-0915**      **Thoratec – Centrimag, Heartmate II LVAD,  
Heartmate III LVAD**  
Stephen Harwood  
Senior Consultant

**0915-1000**      **SynCardia TAH**  
Matt Dufner  
Senior Clinical Specialist

**1000-1045**      **Abiomed – Impella**  
Mandy Ford RN, BScN

**1045-1130**      **Hands-on with VAD Equipment**

# Friday June 8, 2018

Shaw Auditorium, Mazankowski Alberta Heart Institute

**1130-1215**      **Registration**

**1215-1230**      **Opening Remarks**  
Scott McTeer

## **Scientific Session 1 (1230-1500)**

Moderator:      Frank van Staalduinen

**1230-1300**      **Organization of a Successful VAD Program**  
Osiris Zelaya BScN, RN  
Mechanical Circulatory Support Senior Consultant  
Mazankowski Alberta Heart Institute, Edmonton AB

**1300-1330**      **Management of VAD Patients**  
Dr. Holger Buchholz  
Director of Pediatric & Adult Artificial Heart Program  
Mazankowski Alberta Heart Institute, Edmonton AB

**1330-1430**      **What is it like to be on a Ventricular Assist Device?**  
Kailee Brownbridge, RN  
Out-Patient VAD Coordinator  
Mazankowski Alberta Heart Institute, Edmonton AB

### ***Special Guests:***

Amanda Rouselle  
Bassit Nawaz

**1430-1500**      **The Bridge to Nowhere**  
Gurmeet Singh MD MSc FRCSC  
Associate Clinical Professor of Critical Care  
Medicine & Cardiac Surgery  
Mazankowski Alberta Heart Institute, Edmonton AB

**1500-1515**      **Refreshments/Coffee Break**

**Friday June 8, 2018**

**Shaw Auditorium, Mazankowski Alberta Heart Institute**

**Scientific Session 2 (1515-1800)**

Moderator: Claudia Augustine

**1515-1545      The Importance of Hand Hygiene in Infection Control**

Angela Rogers LPN, ORT

Cardiac OR Nurse

Mazankowski Alberta Heart Institute, Edmonton AB

**1545-1615      Hematological Management of the Cardiac Surgery Patient**

Dr. Susan Nahirniak MD, FRCPC

Hematopathologist, Divisional Director/Section Chief

Transfusion Medicine AHS – Edmonton AB

**1615-1645      Case Study – Lung Transplantation in a Sickle Cell Disease Patient**

Frank van Staalduinen CPC

Chief of Clinical Perfusion

Mazankowski Alberta Heart Institute, Edmonton AB

**1645-1800**

**Approaches to Lung Transplantation – Panel Discussion**

Topics of discussion: patient considerations, ventilation strategies, surgical techniques, use of CPB/ECLS

***Panelists:***

Dr. Bryce Laing MD, MSc

Thoracic Surgeon

Royal Alexandra Hospital, Edmonton AB

Dr. Steven Meyer MD, PhD, FRCSC

Cardiac Surgeon

Mazankowski Alberta Heart Institute, Edmonton AB

Dr. John Mullen MD, MSc, FRCSC

Cardiac Surgeon

Mazankowski Alberta Heart Institute, Edmonton AB

Dr. Andrew Shaw MD, FRCA, ACCM, FICM, MMHC

Chair of the Department of Anesthesiology & Pain Medicine

Zone Clinical Department Head

Mazankowski Alberta Heart Institute, Edmonton AB

**Friday June 8, 2018**  
**University of Alberta Faculty Club**

**Poster Presentations & Corporate Exhibitions 1900**

**Evaluation of the iSTAT Kaolin Activated Clotting Time (ACT)k with the Hemochron Signature Elite (HSE) and Medtronic ACT Plus (MAP) – A Study at Two Centers**

Linda Stang MLT  
Lab Scientist – Hematology/Coagulation  
University of Alberta Hospital, Edmonton AB

**Insensible Water Loss From the Maquet Quadrox iD Adult Oxygenator**

Robert Kelly  
ECLS Specialist  
Stollery Children's Hospital, Edmonton AB

**The Functional Decline of the Ex Vivo Perfused Heart is not due to Cell Death**

Sanaz Hatami  
University of Alberta, Edmonton AB

**Comparison of Normothermic and Hypothermic Ex-Vivo Extremity Perfusion (EVEP)**

Catherine Stewart  
University of Alberta, Edmonton AB

**Adiponectin Gene Therapy on Ex Vivo Lung Perfusion to Improve Lung Transplantation Outcome**

Sayed Himmat  
University of Alberta, Edmonton AB



**Friday June 8, 2018**  
**University of Alberta Faculty Club**

**Poster Presentations & Corporate Exhibitions 1900**

**Common hospital ingredient perfusate equivalent to standard Krebs-Henseleit Buffer with serum albumin derived perfusate in negative pressure ventilation Ex-Vivo lung perfusion**

Max Buchko

Cardiac Surgery Resident

Mazankowski Alberta Heart Institute, Edmonton AB

**Normothermic Ex Vivo Kidney Perfusion**

Allan Wu

University of Alberta, Edmonton AB

**Inflammation and Innate Immune Activation during Ex Vivo Heart Perfusion**

Xiao Qi

University of Alberta, Edmonton AB

**The effect of temperature during initial reperfusion on cellular energy levels in livers donated after circulatory death**

Jordan Nostedt

University of Alberta, Edmonton AB

**Play, Learn, Teach! – Teaching Cardiac Anatomy through Paper-Based Heart Models**

Michiko Maruyama MD

Cardiac Surgery Resident

Mazankowski Alberta Heart Institute, Edmonton AB





**Saturday June 9, 2018**  
**Shaw Auditorium, Mazankowski Alberta Heart Institute**

**Scientific Session 3 (0800-1015)**

Moderator: Keegan Rowe

**0730-0830**

**Breakfast**

*Sponsored by:*



**0800-0830**

**Single Dose Components with an All-Blood  
Method for Adults: The KBC Protocol**

Candice Kalin CCP, LP

Chief Perfusionist

Wellstar Kennestone Regional Medical Center,  
Atlanta Georgia

**0830-0900**

**Review of Cardioplegia Alternatives at London  
Health Sciences Centre**

Chris McKay BSc., CPC, CCP

Coordinator Clinical Perfusion Services

London Health Sciences Centre, London ON

**0900-0915**

**Review of Cardioplegia Solutions**

Keegan Rowe

Clinical Perfusionist

London Health Sciences Centre, London ON

**0915-1015**

**Optimizing Myocardial Protection during  
Cardiopulmonary Bypass – Panel Discussion**

Topics of discussion: selection of cardioplegia solutions, modes of delivery and dosing techniques and strategies

***Panelists:***

Dr. Roderick MacArthur MD, MSc, FRCSC  
Program Director Cardiac Surgery  
Mazankowski Alberta Heart Institute, Edmonton AB

Dr. John Mullen MD, MSc, FRCSC  
Cardiac Surgeon  
Mazankowski Alberta Heart Institute, Edmonton AB

Dr. Jeevan Nagendran MD, PhD, FRCSC  
Cardiac Surgeon  
Mazankowski Alberta Heart Institute, Edmonton AB

**1015-1030**

**Refreshments/Coffee Break**

**Saturday June 9, 2018**  
**Shaw Auditorium, Mazankowski Alberta Heart Institute**

**Scientific Session 4 (1030-1200)**

Moderator: Andre Plamondon

**1030-1100      Neurologic and depth of anesthesia monitoring during cardiopulmonary bypass**  
Dr. Joel Berube MD, FRCPC  
Cardiac Anesthesiologist  
Mazankowski Alberta Heart Institute, Edmonton AB

**1100-1130      Implications of Pulmonary Hypertension in the Surgical Patient**  
Dr. Surita Sidhu MD, FRCP(C), FASE  
Clinical Professor, Anesthesiology & Pain Medicine  
Director, Perioperative Echocardiography  
Mazankowski Alberta Heart Institute, Edmonton AB

**1130-1200      Approaches to Dosing and Administration of Protamine**  
Dr. Nicole Webb BSc, MD, FRCPC  
Cardiac Anesthesiologist  
Libin Cardiovascular Institute of Alberta, Calgary AB

**1200-1300      Lunch Session**  
**Heparin Dosing – An ACT of Faith...**  
Brian McCloskey BSc, CCP, CPC  
Clinical Specialist, CVG  
Medtronic Canada  
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**Saturday June 9, 2018**  
**Shaw Auditorium, Mazankowski Alberta Heart Institute**

**Scientific Session 5 (1300-1445)**

Moderator: Krystal Mah

**1300-1330**      **Minimally Invasive Aortic Valve Replacement**  
Dr. Jeevan Nagendran MD, PhD, FRCSC  
Cardiac Surgeon  
Mazankowski Alberta Heart Institute, Edmonton AB

**1330-1445**      **Tackling the Distal/Thoracic Aorta – Panel Discussion**  
Topics of discussion: surgical techniques, cannulation strategies, perfusion considerations and use of hypothermia.

***Panelists:***

Dr. John Bozinovski MD, MSc, FRCSC  
Attending Cardiac Surgeon  
Royal Jubilee Hospital, Victoria BC

Dr. Michael W. A Chu MD, FRCSC  
Cardiac Surgeon  
London Health Sciences Centre, London ON

Dr. Roderick MacArthur MD, MSc, FRCSC  
Program Director Cardiac Surgery  
Mazankowski Alberta Heart Institute, Edmonton AB

**1445-1500**      **Refreshments/Coffee Break**

*Sponsored by:*

**Dr. Michael Moon**

**Saturday June 9, 2018**  
**Shaw Auditorium, Mazankowski Alberta Heart Institute**

**Scientific Session 6 (1500-1730)**

Moderator: Francois Perron

**1500-1530 Evolution of the ECMO Program at London Health Sciences Centre**

Chris McKay BSc., CPC, CCP  
Coordinator Clinical Perfusion Services  
London Health Sciences Centre, London ON

**1530-1600 Fixed Wing Transport of Pediatric Patients on ECLS**

Dr. Laurance Lequier MD, FRCPC  
Director, ECLS Program  
Stollery Children's Hospital, Edmonton AB

**1600-1630 Use of Simulation Training in ECLS and VAD programs**

Christa Huberdeau RN  
Clinical Nurse Educator  
Stollery Children's Hospital, Edmonton AB

**1630-1700 Total Plasma Exchange on ECMO**

Dr. Laurance Lequier MD, FRCPC  
Director, ECLS Program  
Stollery Children's Hospital, Edmonton AB

**1700-1730 Direct Thrombin Inhibitors: What is their role in the cardiac OR and ICU?**

Dr. Lindsay Ryerson  
Pediatric Cardiac Intensivist  
Stollery Children's Hospital, Edmonton AB



**Banquet Dinner & Dance  
Clerk's Quarters  
Fort Edmonton Park  
Shuttle Departs Telus Center at 1830  
(111 St & 87 Ave)**



**Sunday June 10, 2018**  
**Shaw Auditorium, Mazankowski Alberta Heart Institute**

**Scientific Session 7 (0830-1000)**

Moderator: Christine Yao

**0800-0900**

**Breakfast**

*Sponsored by:*



**0830-0900**

**What goes in the patient?**

Dr. Richard Bergstrom

Cardiac Anesthesiologist

Mazankowski Alberta Heart Institute, Edmonton AB

**0900-0930**

**Extending Cardiac Care – Mission to Africa**

Dr. Mohammed Al Aklabi MD, FRCS

Pediatric and Adult Congenital Cardiac Surgeon,

Clinical Associate Professor

Mazankowski Alberta Heart Institute, Edmonton AB

**0930-1000**

**What are we striving for (or do we just show up)?**

Dr. Richard Bergstrom

Cardiac Anesthesiologist

Mazankowski Alberta Heart Institute, Edmonton AB

**1000-1015**

**Refreshments/Coffee Break**

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**Sunday June 10, 2018**

**Shaw Auditorium, Mazankowski Alberta Heart Institute**

**Scientific Session 8 (1015-1200)**

Moderator: Jackie Archibald

- 1015-1045 Ischemic Myocardial Contracture otherwise known as 'Stone Heart'**  
Abigail White MD  
Cardiac Surgery Resident  
Mazankowski Alberta Heart Institute, Edmonton AB
- 1045-1115 Cerebral Oximetry, Past, Present & Future**  
Owen Giesbrecht, RRT  
Carestream Medical
- 1115-1200 Doctors Against Tragedies: Addressing the Fentanyl Crisis Through Card Games**  
Meyyappan Arunachalam  
Clinical Perfusionist  
Mazankowski Alberta Heart Institute, Edmonton AB
- Michiko Maruyama MD  
Cardiac Surgery Resident  
Mazankowski Alberta Heart Institute, Edmonton AB
- 1200-1215 Closing Remarks**  
Bill Gibb  
CSCP President



**Shaw Auditorium**  
**Mazankowski Heart Institute – Level 0**  
11220 - 83 Avenue  
Edmonton AB

From the main foyer, take the elevator  
or open staircase down to Level 0



**CSCP Corporate Exhibit Night &  
Poster Presentations**  
**Friday June 8<sup>th</sup> 7pm**

University of Alberta Faculty Club  
Saskatchewan Room  
11435 Saskatchewan Dr NW  
Edmonton AB

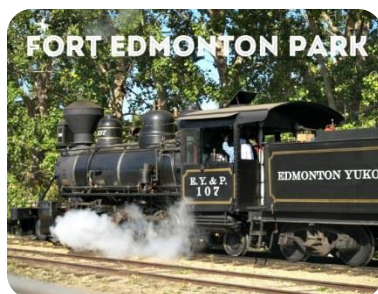
Meet in the Lobby of Campus  
Towers Hotels at 630pm to walk over



**Banquet Dinner**  
**Saturday June 9<sup>th</sup> 7pm**

Fort Edmonton Park  
Clerk's Quarters  
7000 143 Street  
Edmonton AB

Shuttle departs Telus Center  
at 630 pm (111 St & 87 Ave)



## THANK YOU TO OUR SPONSORS

The CSCP gratefully acknowledges the following sponsors for their education & financial contributions towards the success of The 2018 Western Region Meeting

Dr. Michael Moon



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