Canadian Society of Clinical Perfusion
Western Region Meeting 2018

Edmonton, Alberta
June 8th to June 10th

914 Adirondack Road
London ON Canada
Phone 1-888-496-2727
Fax 1-866-648-2763
Email info@cscp.ca
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.
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
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)\textsuperscript{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
Sponsored by:
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, FRCSC  
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  
Sponsored by:
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
Meeyappan 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 8th 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 9th 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

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