

Welcome

Dear Colleagues,

It gives me immense pleasure in welcoming all of you to the 8th Annual Meeting of the Canadian Heart Rhythm Society (CHRS). The CHRS Annual Meeting has strived to showcase young Canadian clinicians and investigators, while utilizing the expertise of established leaders in the field. We have been fortunate that international experts in the field of cardiac arrhythmias, allied health professionals, and a diverse group of speakers have agreed to present their research and unique perspectives at the meeting. This year we are introducing an interactive jeopardy session on clinical electrophysiology for fellows in training and I hope that this session will be enjoyed by all. I would like to thank the entire faculty for sharing their incredible expertise and knowledge with us.

This is the first instance that CHRS is hosting the meeting on a virtual platform because of the global pandemic. We request your patience and understanding during the virtual meeting as we have yet to perfect this format. The scientific program had to be abbreviated due to the virtual meeting format and we were unable to include as many speakers and sessions as we had intended to. The Planning Committee will strive to include many more speakers and sessions during the following years.

This edition of the meeting was to be hosted in Winnipeg, and the entire CHRS community was looking forward to meeting each other in an entirely new city. I sincerely hope that at some point in the future we will be able to congregate in the beautiful city of Winnipeg.

We would like to thank all our generous sponsors for their support and commitment to education, research, and professional development. I would like to thank my fellow Planning Committee members for their support and the CHRS Board of Directors for the opportunity to chair this meeting. I would like to thank the Canadian Cardiovascular Society, Sara Faubert and Mylene Jacques for the countless hours spent in organizing this meeting. Lastly, I would like to thank Shubhayan Sanatani and Benedict Glover, previous meeting chairs, for sharing their insights with us.

I would urge all of you to actively participate in the scientific sessions and provide us valuable feedback to help us improve future meetings.

Sincerely,



Girish M. Nair

Girish M. Nair. MBBS, MSc., FRCPC, FHRS
Chair, CHRS Annual Meeting Planning Committee



Planning Committee

Girish Nair
Chair

David Birnie

Matthew Bennett

John Sapp

Douglas Wan
Trainee Representative

Belinda Furlan
Allied Health Professional Representative



Faculty

Wael Alqarari
Paul Dorian
Vidal Essebag
Martin Green
Peter Guerra
Jeff Healey
Andrew Krahn
Vikas Kuriachan
Zackary Laksman
Krystina Lewis
John Mandrola
Blandine Mondésert
Ratika Parkash
Calum Redpath
Jennifer Reed
Jason Roberts
Mouhannad Sadek
Jean-Francois Sarrazin
Christian Steinberg
Laurence Sterns
Roderick Tung
Pugazhendhi Vijayaraman

Overall Learning Objectives

At the end of this meeting, participants will be able to:

- Interact with, exchange ideas, facilitate collaboration and satisfy personal education goals in the field of cardiac arrhythmias from leading Canadian and International experts.
- Learn the latest advances in the field of cardiac arrhythmias, including- prevention of arrhythmias, inherited arrhythmic disorders, cardiac implantable electronic devices, and catheter ablation.
- Obtain a balanced perspective on prevention and management of cardiac arrhythmias from a field of experts including clinician experts, clinician researchers, basic scientists, and allied health professionals.
- Participate in a trainee (arrhythmia fellowship) educational session in the form of an interactive Jeopardy game addressing basic and advanced concepts in the field of cardiac arrhythmias.



Friday September 11, 2020

6:00 PM EST **Welcome and Introduction**
Dr. John Sapp & Dr. Girish Nair

**Presentation of the CHRS Annual Achievement Award and
Magdy Basta Award**

SESSION 1: Inherited Arrhythmia Topics

Chairs: Dr. Zachary Laksman & Dr. Jason Roberts

6:10 PM EST **Big data analysis and artificial intelligence in unravelling
inherited arrhythmia syndromes** – Dr. Andrew Krahn

6:30 PM EST **Mitral Valve Prolapse and Sudden Cardiac Death – More than a
mere association?** – Dr. Wael Alqarawi

6:50 PM EST **Brugada Syndrome- Ion channelopathy or Cardiomyopathy:
Role of Catheter Ablation** – Dr. Christian Steinberg

Following this session, participants will be able to:

- Review the key unanswered questions in the inherited arrhythmia syndromes.
- Understand the potential value of big data and artificial intelligence to improve recognition and treatment of IA syndromes.
- Become familiar with the data and database strategy of the Canadian Hearts in Rhythm Organization (HiRO).
- Explore the implications of data and AI on quality of care and patient safety.
- Review the association between mitral valve prolapse and sudden cardiac death.
- Identify Brugada syndrome as a hybrid inherited arrhythmia syndrome combining features of a channelopathy and a microstructural cardiomyopathy.
- Recognize catheter ablation of the epicardial arrhythmic substrate is a promising treatment option for Brugada patients with frequent recurrent ventricular arrhythmia.

SESSION 2: AF Prevention Topics

Chairs: Dr. Paul Dorian & Dr. Jeff Healey

7:10 PM EST **Risk factor modification for treatment of AF- How do I
approach the difficult to manage AF patient?**
– Dr. Ratika Parkash

7:30 PM EST **The role of exercise training in the management of AF**
– Dr. Jennifer Reed

Following this session, participants will be able to:

- Gain an understanding of the literature regarding exercise training in managing atrial fibrillation.



7:50 PM EST **FELLOWS SESSION: Semi Finals EP Jeopardy**
Chairs: Dr. Martin Green, Dr. Mouhannad Sadek & Dr. Matthew Bennett

Following this session, participants will be able to:

- Explore the role of devices, antiarrhythmic drug use, intracardiac electrograms, and clinical decision-making.
- Address basic and advanced concepts in the field of cardiac arrhythmias.

8:20 PM EST **Closing Remarks & Adjournment**
Dr. John Sapp & Dr. Girish Nair



Saturday September 12, 2020

9:00 AM EST **Welcome and Introduction**
Dr. John Sapp & Dr. Girish Nair

**Presentation of the CHRS Highest Rated EP Abstract Award
and George Mines Travelling Fellowship Award**

SESSION 3: Controversies in Electrophysiology

Chairs: Dr. Larry Sterns & Dr. Vikas Kuriachan

9:10 AM EST **LAA appendage closure devices: Can they be used as ‘stand-alone’ therapy for stroke prevention in AF?**
– Dr. John Mandrola, Louisville, KY, USA

9:35 AM EST **Expert’s corner: Sensible decision making in clinical electrophysiology** –Dr. John Mandrola, Louisville, KY, USA

10:00 AM EST **His Bundle/LBBB Pacing: Can it replace conventional CRT?**
– Dr. Pugazhendhi Vijayaraman, Wilkes-Barre, PA, USA

10:25 AM EST **Allied Health Speaker: Shared Decision-Making Throughout the Trajectory of ICD Therapy** – Dr. Krystina Lewis

Following this session, participants will be able to:

- Understand the mechanism of conduction system pacing in cardiac resynchronization therapy
- Discuss the role and place of conduction system pacing for CRT
- Identify the principles of shared decision-making and strategies to facilitate its implementation throughout the spectrum of ICD treatment decisions including insertion, replacement, and deactivation.

10:50 AM EST **Refreshment Break**



SESSION 4: New Frontiers in Electrophysiology

Chairs: Dr. Peter Guerra & Dr. Jean-François Sarrazin

- 11:10 AM EST **Identifying and characterizing the substrate in Atrial and Ventricular Arrhythmia: Novel High-Resolution Mapping Systems** – Dr. Roderick Tung, Chicago, IL, USA
- 11:30 AM EST **Creating durable and safe lesions for AF ablation- Radiofrequency, Cryo energy or Electroporation?**
– Dr. Vidal Essebag
- 11:50 AM EST **Stereotactic Brachy Radiotherapy for VT: Are we ready for ‘virtual’ ablations?** – Dr. Calum Redpath
- 12:10 PM EST **Managing the adult patient with complex palliated/repai red congenital heart and advanced heart failure**
– Dr. Blandine Mondésert

Following this session, participants will be able to:

- Understand the nature of the arrhythmia substrate in atrial and ventricular arrhythmias.
- Learn about novel mapping systems to characterize arrhythmia substrate in atrial and ventricular arrhythmias.
- Understand the biophysical aspects of myocardial lesion formation during ablation of arrhythmias.
- Identify factors affecting creation of durable lesions during catheter ablation and the relative merits/demerits of radiofrequency, cryo and electroporation for ablation of the arrhythmia substrate.
- Discover brachy-radiotherapy as a novel ablation strategy for ventricular tachycardia.
- Learn about novel treatment strategies to manage advanced heart failure in patients with adult congenital heart disease.
- Manage heart failure patients with CHD disease, the EP point of view.

12:30 PM EST **FELLOWS SESSION: Semi Finals EP Jeopardy**

Chairs: Dr. Martin Green, Dr. Mouhannad Sadek & Dr. Matthew Bennett

Following this session, participants will be able to:

- Explore the role of devices, antiarrhythmic drug use, intracardiac electrograms, and clinical decision-making.
- Address basic and advanced concepts in the field of cardiac arrhythmias.

1:00 PM EST **Closing Remarks**

Dr. John Sapp & Dr. Girish Nair

CHRS is an Affiliate Society of the



Canadian Cardiovascular Society

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Evaluation & Certificate of Attendance

Please [click here](#) to complete the evaluation. Completing the evaluation will assist the Planning Committee with the development of future programs and provide you with your certificate of attendance.

This event is an accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians & Surgeons of Canada and approved by the Canadian Cardiovascular Society. You may claim a maximum of 6 hours.

Save the Date



**JOIN US AGAIN NEXT YEAR!
September 10-11, 2021**

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