

CHRS

ANNUAL
MEETING

2017



SEPTEMBER 15-17, 2017

WESTIN NOVA SCOTIAN

Canadian Heart Rhythm Society
Société canadienne de rythmologie

Introduction

It gives me great pleasure to welcome you to the *Canadian Heart Rhythm Society's 5th Annual Meeting* in Halifax. This meeting is growing every year in both numbers of individuals and the disciplines involved. As well as making sessions more interactive, we have now introduced pre-recorded cases with an opportunity to discuss procedural details with each operator, and I think that we will all find this to be novel. We are proud to align this meeting with the *Canadian Arrhythmia Network of Canada (CANet) Annual Scientific Conference*, to promote collaborative research discussions and explore our shared interests. This entire meeting is made possible through the many hours of work by our administrative staff, planning committee, members and partners in industry, who all need to be congratulated for their help in an impartial manner for our professional development. As ever we are always open to suggestions, feedback and novel ideas. We are proud to promote the strong collaborative culture which exists in the Canadian heart rhythm community. I hope that you enjoy this meeting and the beautiful city of Halifax.

J'ai le grand plaisir de vous accueillir à la 5e Assemblée annuelle de la Société canadienne de rythmologie à Halifax. Cette rencontre prend de l'importance chaque année en termes de nombre de participants et de disciplines couvertes. En plus de rendre les séances plus interactives, nous présentons maintenant des cas préenregistrés offrant l'occasion d'examiner de façon détaillée des interventions avec chaque exécutant, ce qui sera pour tous une nouveauté. Nous sommes fiers d'harmoniser cette rencontre avec la conférence scientifique annuelle du Réseau canadien sur l'arythmie cardiaque, afin de promouvoir des discussions collaboratives sur la recherche et d'explorer nos intérêts communs. Cette rencontre a été rendue possible grâce aux nombreuses heures de travail par notre personnel administratif, le comité de planification, les membres et les partenaires dans l'industrie, qui doivent tous être félicités pour leur aide impartiale aux fins de notre perfectionnement professionnel. Comme toujours, les suggestions, les idées nouvelles et les commentaires sont les bienvenus. Nous sommes fiers de promouvoir la solide culture collaborative qui existe dans la communauté canadienne de rythmologie. J'espère que vous profiterez de cette rencontre et de votre séjour dans la très belle ville d'Halifax.



Benedict Glover, MD
Chair, CHRS Annual Meeting Planning Committee



The Canadian Heart Rhythm Society
5th Annual Meeting
September 15-17, 2017
The Westin Nova Scotian
Halifax, Nova Scotia

Faculty

Peter Backx
Brian Courtney
Paul Dorian
Derek Exner
Benedict Glover
Rob Gow
Martin Green
Shoshana Grossman
Juan C. Guzman
Reda Ibrahim
Andrew Krahn
Don Maurice
Kumar Nanthakumar
Ratika Parkash
Satish R. Raj
Calum Redpath
Lena Rivard
Mouhannad Sadek
Shubhayan Sanatani
Roopinder Sandhu
John Sapp
Mike Seidman
Bernard Thibault
Venkatesh Thiruganasambandamoorthy

Planning Committee

Benedict Glover
Chair

Joseph Atallah
Pediatric Community Representative

Matthew Bennett
Education Committee Chair

Thomas Claydon
Basic Science Research Representative

Benoit Plourde
Fellow's Representative

Shubhayan Sanatani
Pediatric Community Representative

Lindsey Ward
Allied Health Representative

Learning Objectives

Participants will be able to:

- Bring together heart rhythm professionals from Canada for an opportunity to exchange ideas, foster collaboration and deliver education.
- Discuss new developments in the management of heart rhythm disorders.
- Provide an overview of the main research studies which are occurring in Canada and how they relate to the management of patients.
- Discuss new technologies in the management of heart rhythm disorders.
- Discuss the management of heart rhythm disorders in the electrophysiology laboratory.
- Be able to list the three most common causes and have a clear management plan for a patient who presents with syncope.

See the program for a full listing of learning objectives by session

Friday, September 15, 2017 

11:00 **REGISTRATION OPENS**

11:00 **Program Directors Meeting ... *Maritime***

11:00 **HIRO Investigator Meeting ... *Harbour Suite A***

11:00 **CHRS Executive Committee Meeting ... *Lunenburg***

12:00 **CANet/CHRS JOINT LUNCH ... *Commonwealth Ballroom B***

13:00 **WELCOME AND INTRODUCTION ... *Commonwealth Ballroom A***
— Benedict Glover

13:05 **EVIDENCE-BASED PRACTICE: UPDATE ON CURRENT
CANADIAN TRIALS ... *Commonwealth Ballroom A***

Brain-AF Trial — Lena Rivard

Vanish II — John Sapp

PADIT — Andrew Krahn

14:15 **Discussion**

LEARNING OBJECTIVES: At the end of this session, participants will be able to:

- Review clinical trials for prevention of device infection.
- Recognize the evidence that supports catheter ablation and pharmacological treatment for VT.
- Explore novel clinical trial designs to address barriers in answering questions in the realm of comparative effectiveness.

14:35 **NUTRITION BREAK ... *Commonwealth Ballroom B***

15:00 **LESSONS FROM THE EXPERTS ... *Commonwealth Ballroom A***

What do We Mean by “Successful Ablation”? Is it in the Heart or the Brain?
— Paul Dorian

How to Make a Diagnosis from a Device Strip — Martin Green

How to Make Difficult Decisions in Oral Anticoagulation — Ratika Parkash

How Not to Interpret Pediatric EKGs — Rob Gow

How to Understand Anatomy in Electrophysiology — Mike Seidman

16:40 **Discussion**

LEARNING OBJECTIVES: At the end of this session, participants will be able to:

- Clearly describe the role of treatment expectation in patient reported outcomes after cardiac procedures.
- Approach a complex device tracing using a simple stepwise approach.
- List the three common differences in interpretation of the electrocardiogram taken on pediatric and adult patients.
- Name the major anatomical landmarks and their relationship to common electrophysiologic procedures.

17:00 **WELCOME RECEPTION and POSTERS ... *Atlantic Ballroom***

P R O G R A M

Saturday, September 16, 2017 

07:00 **REGISTRATION AND BREAKFAST**

07:00 **CHRS Device Committee Meeting ... Lunenburg**

07:00 **CHRS Member Communication Committee Meeting ... Bedford**

08:00 **PRE-RECORDED CASES ... Commonwealth Ballroom A**

High Resolution Cardiac Mapping — Benedict Glover

Ischemic VT Ablation — Lena Rivard

Zero Fluoroscopy Atrial Fibrillation Ablation — Mouhannad Sadek

Endocardial IV Pacing — Calum Redpath

10:00 **Discussion**

LEARNING OBJECTIVES: At the end of this session, participants will be able to:

- Demonstrate how to perform Flouro-less atrial procedures.
- Describe and/or recommend IV Endocardial Pacing to eligible patients in your clinic.

10:30 **NUTRITION BREAK ... Commonwealth Ballroom B**

11:00 **INNOVATION IN CARDIAC ELECTROPHYSIOLOGY**

... Commonwealth Ballroom A

Update on LAA Closure — Reda Ibrahim

Development of 3D Radial Intracardiac Echocardiography for Intraprocedural Anatomic Visualization — Brian Courtney

Omni Polar Mapping of Cardiac Arrhythmias — Kumar Nanthakumar

Needle Catheter for VT Ablation — John Sapp

Cellular Left Atrial Thrombogenicity — Don Maurice

12:40 **Discussion**

LEARNING OBJECTIVES: At the end of this session, participants will be able to:

- Identify the basis of an Omnipole and discover the practical utility of an Omnipole.
- Distinguish emerging therapeutics for treatment-resistant ventricular tachycardia.
- Clarify the endocardial endothelium as a potential contributor to AF.

13:00 **LUNCH ... Commonwealth Ballroom B**



P R O G R A M

Saturday, September 16, 2017

(continued)



13:00 **CHRS Ablation Committee Meeting** ... *Harbour Suite A*

13:00 **CHRS Education Committee Meeting** ... *Maritime*

13:00 **Allied Health Professional Meeting** ... *Lunenburg*

13:00 **Basic Science Meeting** ... *Bedford*

14:00 **UPDATE ON DEVICE MANAGEMENT**... *Commonwealth Ballroom A*

New Tools and Techniques for CRT — Bernard Thibault

Leadless Pacing, What's New? — Derek Exner

Generating and Characterizing Different Types of Cardiomyocytes from Human Pluripotent Stem Cells: Towards Biological Pacemakers — Peter Backx

Bridging the Distance: Utilization of Technology to Expand Patient Outreach in a Device Clinic — Shoshana Grossman

15:20 **Discussion**

LEARNING OBJECTIVES: At the end of this session, participants will be able to:

- Recognize the new technologies available in the field of resynchronization therapy, with focus on the implant procedure.
- Identify the prevalence of bradycardiac and other electrical conditions for which biological pacemakers might be useful and distinguish current challenges of using biological pacemakers for treating cardiac arrhythmias.
- Summarize recent advances in the generation and the characterization of pacemaker cells derived from pluripotent stem cells.
- Comprehend the key components of a Kiosk model of remote pacemaker monitoring for communities and how it works.

15:40 **NUTRITION BREAK** ... *Commonwealth Ballroom B*

16:10 **SYNCOPE** ... *Commonwealth Ballroom A*

Canadian Syncope Healthcare Utilization— Roopinder Sandhu

Syncope Risk Stratification in the Emergency Department
— Venkatesh Thiruganasambandamoorthy

Sinus Tachycardia Syndromes: POTS & IST: HRS and Beyond — Juan C. Guzman

Orthostatic Hypotension: The Other Cause of Syncope — Satish R. Raj

Pediatric Syncope: Can we Learn from Teenagers? — Shubhayan Sanatani

17:55 **Panel/Q & A Session**

LEARNING OBJECTIVES: At the end of this session, participants will be able to:

- Demonstrate knowledge regarding the burden of syncope hospitalizations and outcomes in Canada, and costs related to syncope care.
- Review the current evidence in diagnosis and management of Sinus Tachycardia Syndromes: Postural Orthostatic Tachycardia and Inappropriate Sinus Tachycardia.
- Define the diagnostic criteria for orthostatic hypotension.

18:15 **ADJOURNMENT**

P R O G R A M

Evaluation & Certificate of Attendance

Please take the time to complete the evaluation at:
www.research.net/r/CHRS2017evaluation

Completing the evaluation will assist the planning committee with the development of future programs and provide you with your certificate of attendance.



About Us

The Canadian Heart Rhythm Society (CHRS) is a professional organization of Canada's heart rhythm specialists and allied health professionals. It carries out its work through research, advocacy, education and development of best practices in the field of heart rhythm disorders.

This event is an accredited group learning activity under Section 1 as defined by the Royal College of Physicians & Surgeons of Canada for the Maintenance of Certification program. This program is approved by the Canadian Cardiovascular Society for a maximum of 12.5 credits.

CHRS wishes to thank the following sponsors for their contribution to our 2017 Annual Meeting

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Thank You for Attending!



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