



# ARRHYTHMIA UPDATE 2023

24<sup>th</sup>  
EDITION

## GENERAL LEARNING OBJECTIVES

At the end of the conference, participants will be able to:

- Discuss the results and practical implications of the latest clinical trials for the management of heart rhythm disorders
- Evaluate the latest scientific advances, innovations, and technology in the field of heart rhythm disorders
- Describe the role of evidence-based therapies and their applications to clinical practice

## SPECIFIC LEARNING OBJECTIVES

PRESENTATION TITLE	NAME	At the end of the presentation, participants will be able to:
Sports Cardiology: A Primer	Dr. Paul Dorian	<ul style="list-style-type: none"> <li>• Describe the normal adaptations of the heart and circulation to exercise and sport</li> <li>• Identify the health consequences of exercise and sport on cardiovascular risk and longevity</li> <li>• Develop an approach for the screening and management of heart disease in athletes</li> </ul>
Left Atrial Appendage Closure: New Technologies, New Evidence	Dr. Jeff Healey	<ul style="list-style-type: none"> <li>• Describe the approaches to left atrial appendage closure</li> <li>• Explain the effect of left atrial appendage closure on clinical endpoints</li> <li>• Discuss populations who might benefit from left atrial appendage closure</li> </ul>
Left Bundle Branch Pacing: Where Are We Now?	Dr. Jacqueline Joza	<ul style="list-style-type: none"> <li>• Describe the ECG characteristics of left bundle branch pacing (LBBP)</li> <li>• Identify which patients may most benefit from LBBP</li> <li>• Discuss the most up to date literature on LBBP</li> </ul>
Devices to Monitor and Treat Heart Failure	Dr. Anique Ducharme	<ul style="list-style-type: none"> <li>• Illustrate the importance of congestion in the development of decompensated heart failure</li> <li>• Differentiate strategies currently available in Canada for remote assessment of HF patients</li> <li>• Explain the clinical benefits of remote haemodynamics assessment of heart failure</li> </ul>
ECG Quizzes: What's the Diagnosis? (Interactive Session)	Dr. Charles Dussault; Dr. Jeff Healey; Dr. Jaimie Manlucu; Dr. Jean-François Roux	<ul style="list-style-type: none"> <li>• Interpret complex electrocardiographic tracings</li> <li>• Discuss rare ECG findings in clinical care</li> <li>• List evidence-based assessment of electrocardiographic findings</li> </ul>
Modifiable Risk Factors in Atrial Fibrillation	Dr. Jason Andrade	<ul style="list-style-type: none"> <li>• Discuss the implications of modifiable risk factors in the context of atrial fibrillation</li> <li>• Evaluate the latest evidence regarding risk factor modification for patients with established atrial fibrillation</li> </ul>
Atrial Fibrillation and Heart Failure	Dr. Jean-François Roux	<ul style="list-style-type: none"> <li>• Describe the clinical impact of atrial fibrillation in patients with heart failure</li> <li>• Discuss the various approaches to pharmacological therapy</li> <li>• Summarize the role of atrial fibrillation ablation in patients with heart failure</li> </ul>
ICD and CRT Implantation in HF: Who to Refer in 2023	Dr. Jaimie Manlucu	<ul style="list-style-type: none"> <li>• Describe the current guideline recommendations for ICD candidacy</li> <li>• Summarize the current evidence and indications for cardiac resynchronization therapy</li> <li>• Discuss the evidence for conduction system pacing in heart failure</li> </ul>
Residents' Case Challenge (Interactive Session)	Dr. Charles Dussault	<ul style="list-style-type: none"> <li>• Summarize enlightening clinical cases involving cardiac arrhythmia and their challenges</li> <li>• Apply expert feedback received during case presentation to solve complex cases</li> <li>• Discuss the management of challenging clinical arrhythmia cases</li> </ul>

This activity 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 McMaster University Continuing Professional Development Program. You may claim a maximum of 9.75 MOC Section 1 hours (credits are automatically calculated).

PRESENTED BY:



**Population Health  
Research Institute**  
HEALTH THROUGH KNOWLEDGE



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PRESENTATION TITLE	NAME	At the end of the presentation, participants will be able to:
Treatment of Heart Failure: Beyond Foundational Therapies	Dr. Anique Ducharme	<ul style="list-style-type: none"> <li>• Discuss the evidence surrounding rhythm control and clinical outcomes</li> <li>• Evaluate the latest evidence regarding AAD therapy and catheter ablation on arrhythmia recurrence and progression</li> </ul>
Leadless Pacemakers / Non-Transvenous ICDs	Dr. Blandine Mondésert	<ul style="list-style-type: none"> <li>• Evaluate the latest technologies in pacing and defibrillation</li> <li>• Describe the results of the latest clinical trials on new technologies in pacing and defibrillation field</li> <li>• Discuss the indication and practical implications of new technologies in pacing and defibrillation</li> </ul>
Arrhythmias in Adults with Congenital Heart Disease: What a Cardiologist Should Know	Dr. Blandine Mondésert	<ul style="list-style-type: none"> <li>• Describe the most important specific arrhythmias that the cardiologist could face to in congenital patients</li> <li>• Evaluate the indications for arrhythmias treatment in congenital patients</li> <li>• Discuss the specificities for management of adult congenital patients with arrhythmias</li> </ul>
Contemporary Management of the Patient with Frequent Premature Ventricular Contractions	Dr. Charles Dussault	<ul style="list-style-type: none"> <li>• Identify the site of origin of frequently encountered PVCs</li> <li>• Determine which patients should be referred for catheter ablation</li> <li>• Discuss the adequate long-term follow-up for patients with frequent PVC</li> </ul>
Early Ablation of AF vs Pharmacological Therapy	Dr. Jason Andrade	<ul style="list-style-type: none"> <li>• Illustrate the importance of residual risk in patients with Heart failure and reduced ejection fraction (HFrEF)</li> <li>• Explain worsening heart failure and its impact on prognosis</li> <li>• Describe the role of second line strategies for patients with HFrEF and where they fit in the current treatment</li> </ul>
Technologies in AF and HF: Leadless, Remote Monitoring, etc.	Panel	<ul style="list-style-type: none"> <li>• Describe recommendations for remote monitoring in patients with CIED</li> <li>• Discuss challenges in the implementation of a remote monitoring program</li> </ul>
Leadless Devices – Pacemakers and ICDs	Dr. Jeff Healey	<ul style="list-style-type: none"> <li>• Discuss patient selection for leadless pacemakers</li> <li>• Determine which patient would benefit from an extravascular ICD</li> <li>• Highlight technical elements of leadless pacemakers and extravascular ICD implants</li> </ul>
LBB Pacing	Dr. Jean-François Roux	<ul style="list-style-type: none"> <li>• Explain current indications for LBB pacing</li> <li>• Identify EP characteristics of a successful LBB pacing</li> <li>• Summarize technical elements of LBB pacing</li> </ul>
Implantable Loop Recorders	Dr. Jaimie Manlucu	<ul style="list-style-type: none"> <li>• Discuss patient selection for implantable loop recorder</li> <li>• Distinguish technical elements of implantable loop recorder implant</li> </ul>

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