

17<sup>th</sup>/17<sup>ième</sup> International(e)



# Séminaire Winter Arrhythmia School

*Annual Cardiac Arrhythmia Meeting  
Division of Cardiology, University of Toronto*

February 6-9<sup>th</sup>, 2020  
Collingwood, Ontario, Canada

[winterarrhythmia.com](http://winterarrhythmia.com)

**DRAFT**

LAID OUT BY: REENA MANOHAR

REVISED: 2020/01/28



UNIVERSITY OF TORONTO  
FACULTY OF MEDICINE



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**REGISTRATION OPENING: Friday, February 7, 2020 at 8:00am**





**@IWASchool**

**WinterArrhythmia@sunnybrook.ca**


Notes: \_\_\_\_\_




## Friday, February 7<sup>th</sup>, 2020


Time	Room	Description	Presenter(s)	Moderator(s)
8:00 AM	Georgian Bay Ball Room	Breakfast		
<b>Session 1: Holters and Telemetry Reading: Basic Concepts of External ECG Monitoring</b> <ul style="list-style-type: none"><li>Review of the ecg-patterns of sinoatrial, atrioventricular and infrahisian conduction abnormalities</li><li>Review of the ECG appearances of the ventricular tachycardia</li></ul>				
10:40 AM	Petun	Bradyarrhythmias	D. Kagal	D. Kagal
10:55 AM		Tachyarrhythmias	A. Baranchuk	
11:10 AM		Indications for ECG Monitoring: Determining right device and right duration	J. Steinberg	
11:25 AM		Preventing Artifacts on ECG and Monitors	J. Gray	
11:40 AM		Q+A Period		
<b>Session 2: Holters and Telemetry Reading: Advanced Tracing Seminar</b> <ul style="list-style-type: none"><li>Demonstrate and familiarize attendees with differential diagnosis of wide and narrow com-plex tachycardias using ecg tracing</li><li>Interpret holter and telemetry finding in atrial fibrillation</li></ul>				
12:00 PM	Petun	Arrhythmia Recognition - Narrow QRS	A. Baranchuk	A. Vitali
12:15 PM		Arrhythmia Recognition - Wide QRS	G. Amit	
12:30 PM		Atrial Fibrillation vs not	S. Kumar	
12:45 PM		ECG and CRT	A. Vitali	
1:00 PM		Q+A Period		
<b>Lunch session: Programmer Workshop 1</b>  <ul style="list-style-type: none"><li>Improving familiarity with novel programmers from various manufacturers</li></ul>				
1:30 PM	Petun	New Programmers Session - Medtronic		
2:15 PM		New Programmers Session - Biotronik		
<b>Session 3: Holters and Telemetry Reading: Advanced Tracing Seminar 2</b> <ul style="list-style-type: none"><li>Review of the complex ECG tracing</li><li>Review of the principals of analysis in the patients with devices, chanellopathies and other complex cardiac conditions</li></ul>				
3:00 PM	Petun	Nightmare Tracings from Seasoned Readers	D. Newman	J. Steinberg
3:15 PM		Holters on Patients with Pacemakers	J. Steinberg	
3:30 PM		Channelopathy Tracing	D. Crinion	
3:45 PM		Q+A Period		
4:00 PM	<b>Coffee Break</b> 			
4:15 PM		Opening Winterschool Remarks	E. Crystal	

Time	Room	Description	Presenter(s)	Moderator(s)
Session 4: Gender Issues in Arrhythmia World				
• Review gender related differences in pathophysiology, epidemiology, clinical picture and treatment effects in women vs men				
4:30 PM	Petun	Gender Issues with Anticoagulants	J. Eikelboom	P. Harvey and E. Crystal
4:45 PM		Arrhythmia In Oncocardiology	H. Abdel-Qadir	
5:00 PM		Long QT Waves and Women, is there a link?	W. Alqawari	
5:15 PM		Invasive Arrhythmia Procedures in Women	M. Sturmer	
5:30 PM		What men should learn from Women in Medicine	P. Harvey	
5:45 PM		Q+A Period		
End of Friday Program				

## Saturday, February 8<sup>th</sup>, 2020

Time	Room	Description	Presenter(s)	Moderator(s)
7:00 AM	Georgian Bay Ball Room	Breakfast		
Session 5a: The Art of Device Therapies Part 1				
<ul style="list-style-type: none"><li>Understanding and prevention of the pacing related cardiomyopathy; alternative pacing strategies</li><li>Review of the surgical techniques of the device implantation</li></ul>				
7:40 AM	Petun	The Determinants of Cardiomyopathy in RV Pacing, RV Pacing Management	M. Shurrab	M. Shurrab
7:55 AM		His Pacing	J Steinberg	
8:10 AM		Surgical techniques in implants	F. Moussa	
8:25 AM		Q+A Period		
Session 6a: Device Workshop				
<ul style="list-style-type: none"><li>Identify serious illness communication with device interrogation.</li><li>SubQ ICD management</li><li>CRT device management</li></ul>				
9:00 AM	Petun	Quality Dying - End of Life Care in Patients with CIED	S. Turner	G. Amit
9:15 AM		CRT Management	G. Amit	
9:30 AM		Genetics in the Cardiac Device Patient	W. Alqawari	
9:45 AM		Q+A Period		
10:20 AM	Coffee Break 			

Time	Room	Description	Presenter(s)	Moderator(s)
Session 7a: The Art of Device Therapies 2				
<ul style="list-style-type: none"><li>Recognize the effect of imaging technique in device patients</li><li>Review updates device management in the patients receiving radiation therapy</li></ul>				
10:40 AM	Petun	MRI in Device Update	K. Ahmad	K. Ahmad
10:55 AM		Radiation in Device Update	W. McIntyre	
11:10 AM		PMT Refresher	S. Kumar	
11:25 AM		Q+A Period		
Lunch session 				
<ul style="list-style-type: none"><li>Review the management of anticoagulation and antiarrhythmic therapy in device and pericardial ablation patients</li></ul>				
12:15 PM	Petun	Management of anticoagulation in devices	W. McIntyre	W. McIntyre
12:30 PM		Management of anticoagulation in pericardial ablation	M. Shurrah	
12:45 PM		Q+A Period		
Session 8a: The Art of Device Therapies Part 3				
<ul style="list-style-type: none"><li>Review of the pacemaker related infection complications: Risk management</li><li>Recognise how channelopathies are recognized and managed in device patients.</li></ul>				
2:00 PM	Petun	PADIT Score and What To Do With It	G. Amit	G. Amit
2:15 PM		Is this pacemaker pocket infected	F. Moussa	
2:30 PM		Radiography in Device Patients	K. Ahmad	
2:45 PM		Q+A Period		
Session 9a: The Art of Device Therapies Part 4				
<ul style="list-style-type: none"><li>Review the advancement in remote monitoring</li><li>Receive updates regarding pacemaker mediated tachycardia.</li></ul>				
3:20 PM	Petun	Remote monitoring by Health Sciences North	C. Bona	J. Healey
3:35 PM		SubQ ICD Updates	J. Healey	
3:50 PM		Q+A Period		
4:00 PM	Coffee Break 			
4:15 PM	Petun	1. Arrhythmia Case Presentations 2. Robotics and Electrophysiology Case Presentations 	10 minutes each case	A. Baranchuk I. Lashevsky D. Burkhardt M. Vloka
6:15 PM		Ontario Cardiologist Update	J. Swan	
8:00 PM	Georgian Bay Ball Room	Gala Night Dinner - Winners announced at Gala Night		

Time	Room	Description	Presenter(s)	Moderator(s)
Session 5b: The Art of Ablation Part 1				
• Review the robotics and automation in mapping of atrial arrhythmia.				
• Receive updates in ablation using electrographic flow mapping.				
7:40 AM	Algonquin	What to do in re-dos of redos?	P. Weiss	P. Weiss
7:55 AM		Ablation of PersAF using Electrographic Flow Mapping	T. Szili-Torok	
8:10 AM		Robotics in Atrial Arrhythmia Review	M. Vloka	
8:25 AM		AF ablation and related healthcare resource utilization	A. Ha	
8:40 AM		Q+A Period		
Session 6b: The Art of Ablation Part 2				
• Updates about complex ventricular structures and ventricular tachycardia ablation.				
9:00 AM	Algonquin	Ablation on Specific Ventricular Structures; summit, crux, papillary muscles	P. Weiss	D. Burkhardt
9:15 AM		Ventricular Tachycardia Ablation	D. Cooper	
9:30 AM		VT Ablation in absence of structural heart disease	G. Singh	
9:45 AM		Myotonic Dystrophy and other muscular dystrophies: Tips for Arrhythmia Specialist.	A. Klein	
10:00 AM		Q+A Period		
Session 7b: The Art of Ablation Part 3				
• Identify specific methods of ablation and ablation for vasovagal syncope.				
10:40 AM	Algonquin	Electrophysiology Labs in Canada	M. Shurrab	M. Shurrab
10:55 AM		Cardioneuroablation	Y. Yao	
11:10 AM		Physics of catheter manipulation	A. Tavallaei	
11:25 AM		Epicardial VT Ablation	D. Burkhardt	
11:40 AM		Q+A Period		
Alternative Lunch session: How To Elevate Practice 				
• Develop skills to avoid and manage conflicts and for team building.				
12:15 PM	Algonquin	Conflict Management	S. Bar-David	
12:30 PM		Team Building	S. Ganzburg	
12:45 PM		Q+A Period		
Session 8b: Session for ECG Lovers				
• How to interpret the complex ECG finding related to channelopathy.				
2:00 PM	Algonquin	ECG in dysautonomia	S. Raj	A. Baranchuk & C. Hourtovenko
2:15 PM		Artifacts on Surface ECG	A. Baranchuk	
2:30 PM		Borderline ECG, How to suspect Channelopathy	D. Crinion	
2:45 PM		Q+A Period		
Programmer Workshop 2				
• Improving familiarity with novel programmers from various manufacturers				
3:20 PM	Algonquin	New Programmers Session - Microport		
3:50 PM		New Programmers Session - Biotronik		
4:20 PM		New Programmers Session - Medtronic		

Time	Room	Description	Presenter(s)	Moderator(s)
Session 5c: Family Medicine Stream Part 1				
<ul style="list-style-type: none"><li>Identify the abnormalities and the effects of cardiac medications on ECG</li><li>Develop strategies to manage the patients with identified ECG changes</li></ul>				
7:40 AM	Nippising	What to look for on an ECG in the fainter?	W. McIntyre	P. Lin & E. Crystal
7:55 AM		Cardiac and non-cardiac meds effect on ECG	I. Lashevsky	
8:10 AM		Rate control of Atrial Fibrillation	S. Kumar	
8:25 AM		Q+A Period		
Session 6c: Family Medicine Stream Part 2				
<ul style="list-style-type: none"><li>Recognize pharmacological interactions in patients with atrial fibrillation.</li><li>Infer lifestyle modifications to cope with atrial fibrillation.</li></ul>				
9:00 AM	Nippising	Medical Interactions of Anti-coagulants in Atrial Fibrillation	M. Shurrab	M. Shurrab & I. Latman
9:15 AM		Non-Prescriptional measures and alternative medicines in Atrial Fibrillation	M. St Martin	
9:30 AM		Rapid Stroke Update and Secondary Prevention	H. Khosravani	
9:45 AM		Lifestyle and Afib	M. Sturmer	
10:00 AM		Q+A Period		
Session 7c: Family Medicine Stream Part 3				
<ul style="list-style-type: none"><li>Understand current trends in the management of CHF and oncocardiology.</li><li>Understand health effects of recreational cannabis and nicotine use.</li><li>Demonstrate use of wearables in patients with arrhythmia.</li></ul>				
10:40 AM	Nippising	Vaping and Cannabis: What do we know and what do we expect?	R. Schwartz	P. Lin & E. Crystal
10:55 AM		CHF and the role of the family doctor	A. Vitali	
11:10 AM		Oncocardiology Overview for Family Doctors	R. Pal	
11:25 AM		Wearables and Arrhythmia	A. Baranchuk	
11:40 AM		Q+A Period		
Session 8c: Family Stream Part 4				
<ul style="list-style-type: none"><li>Discuss different issues of living with arrhythmia.</li><li>Update on Management of Vasovagal Syncope.</li></ul>				
2:00 PM	Nippising	Coronary Artery Disease update for Family docs	A Crystal	I. Lashevsky & M. St Martin
2:15 PM		Taking History	D. Newman	
2:30 PM		Patients with Symptomatic Sinus Tachycardia	S. Raj	
2:45 PM		Update on Management of Vasovagal Syncope	S. Raj	
3:00 PM		Q+A Period		

Time	Room	Description	Presenter(s)	Moderator(s)
<b>Session 9c: Family Stream Part 5</b>				
<ul style="list-style-type: none"> <li>Optimization of the anticoagulant care.</li> <li>Lifestyle issues and limitations in patients with arrhythmia.</li> </ul>				
3:30 PM	Nippising	Vascular protection and NOACs	D. Newman	D. Newman
3:45 PM		Safety in Arrhythmia, Driving Issues, Travelling with Arrhythmia	S. Turner	
4:00 PM		Q+A Period		
5:00 PM	Nippising	Research Meeting (DxAF and ATLAS - SICD)		

## Sunday, February 9<sup>th</sup>, 2020

Time	Room	Description	Presenter(s)	Moderator(s)
7:00 AM	Whistler Blackcomb (Westin)	Breakfast		
<b>Session 10: Controversies in Cardiac Care</b>				
<ul style="list-style-type: none"> <li>Discussion of the future of remote monitoring and CHF therapies</li> <li>Compare the source of medication, generics vs branded</li> </ul>				
8:00 AM	Whistler Blackcomb (Westin)	Why Single Lead ECG Monitoring Will Have a Future	D. Newman	
8:20 AM		Pharmacare: Generics are as good as branded	D. Ko & P. Lin	
8:40 AM		Ischemia, Orbita - View by Invasive Cardiologist	D. Ko	
9:00 AM		Q+A Period		
9:20 AM		Closing Remarks	E. Crystal	

### Learning Objectives:

At the conclusion of this activity, learners will be able to:

#### Cardiologist stream:

- Outline current evidence regarding the advance mechanisms of arrhythmia and emerging therapies for device programming.
- Utilize key clinical criteria to identify, screen and treat patients who may benefit from catheter ablation.
- Develop strategies to manage patients prior to catheter ablation based on current guidelines.

#### Family Doctor stream:

- Manage patients with atrial fibrillation according to current clinical evidence and guideline recommendations.
- Integrate effective strategies about monitoring patients with the atrial fibrillation.
- Identify the abnormalities on ECG.



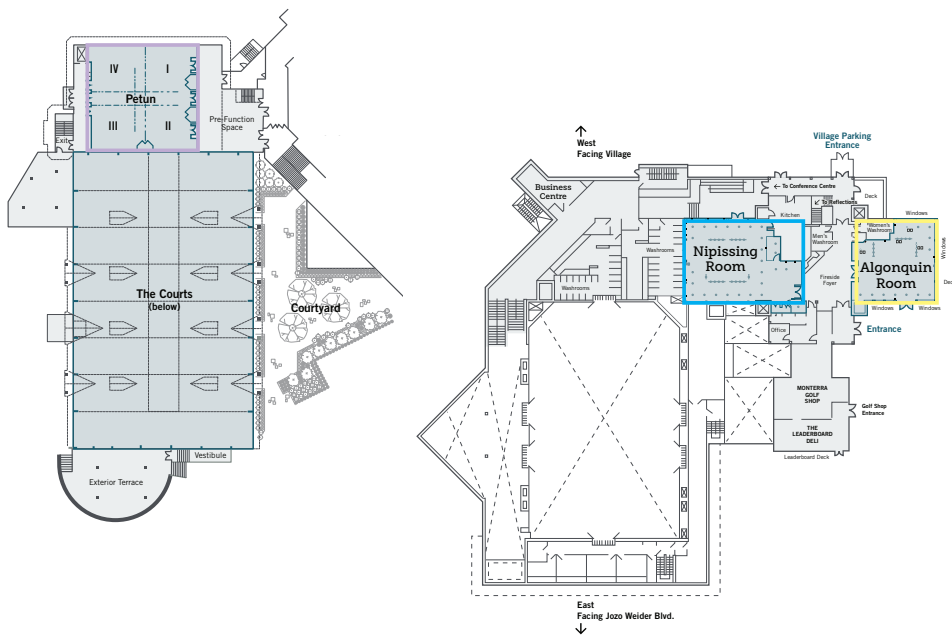
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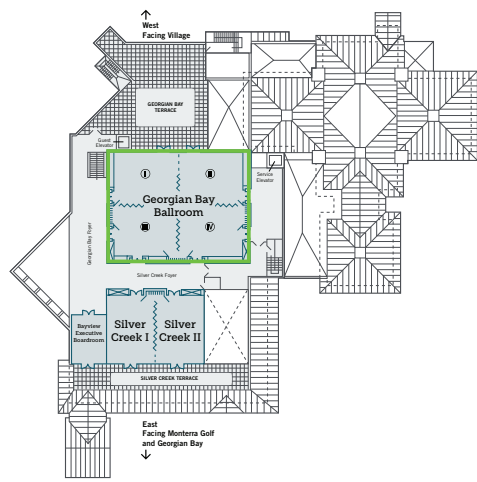
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Division of Cardiology, University of Toronto



Mezzanine Level



Third Floor



Notes: \_\_\_\_\_

Notes: \_\_\_\_\_

## Founder and Chairman

Dr. Eugene Crystal

## International Faculty

Dr. Daniel Cooper, Missouri, USA  
Dr. Gurjit Singh, Michigan, USA  
Dr. Jon Steinberg, New York, USA  
Dr. Tamas Szili-Torok, Rotterdam, Netherlands  
Dr. Margot Vloka, Connecticut, USA  
Dr. Pete Weiss, Arizona, USA  
Dr. Yan Yao, Beijing, China

## Planning Committee

Dr. Mohammed Shurrab  
Dr. Adrian Baranchuk  
Dr. Alex Crystal  
Dr. Jeff Healey  
Dr. Peter Lin  
Dr. Ilan Lashevsky  
Suzette Turner

## Planning and Management

John Kapageridis, Event Manager  
Benci Galapin, Logistics and Event Planning  
Rinat Sultanovich, Logistics and Event Planning  
Dr. Ambreen Syeda, Accreditation Coordinator  
Anna Kaooutskaia, Logistics and Event Planning  
Cecille Lopez, Logistics and Event Planning

## National Faculty

Dr. Kamran Ahmad, Ontario, Canada  
Dr. Wael Alqarawi, Ontario, Canada  
Dr. Guy Amit, Ontario, Canada  
Dr. Adrian Baranchuk, Ontario, Canada  
Dr. Atilio Costa-Vitali, Ontario, Canada  
Dr. Alex Crystal, Ontario, Canada  
Dr. Paula Harvey, Ontario, Canada  
Dr. Jeff Healey, Ontario, Canada  
Dr. Andres Klein, Ontario, Canada  
Dr. Dennis Ko, Ontario, Canada  
Dr. Sharath Kumar, Ontario, Canada  
Dr. Ilan Lashevsky, Ontario, Canada  
Dr. Irina Latman, Ontario, Canada  
Dr. Peter Lin, Ontario, Canada  
Dr. William McIntyre, Ontario, Canada  
Dr. Fuad Moussa, Ontario, Canada  
Dr. David Newman, Ontario, Canada  
Dr. Raveen Pal, Ontario, Canada  
Dr. Satish Raj, Ontario, Canada  
Dr. Robert Schwartz, Ontario, Canada  
Dr. Mohammed Shurrab, Ontario, Canada  
Dr. Monique St Martin, Ontario, Canada  
Dr. Marcio Sturmer, Quebec, Canada  
Dr. Jim Swan, Ontario, Canada  
Christine Bona, Ontario, Canada  
Serge Ganzburg, Ontario, Canada  
Suzette Turner, Ontario, Canada

## CME Accreditation:

17<sup>th</sup> International Winter Arrhythmia School has been approved for the following credits by the Canadian Cardiovascular Society:



*"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 22.25 hours."*

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 credits.

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