

13th/13^{ième} International(e)



Séminaire Winter Arrhythmia School

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

February 5-7th, 2016
Blue Mountain, Ontario, Canada

www.winterarrhythmia.com



UNIVERSITY OF TORONTO
FACULTY OF MEDICINE



Sunnybrook
SCHULICH HEART CENTRE



Women's College Hospital

Dear Colleagues,

I would like to welcome you to our 13th Annual International Winter Arrhythmia School.

This year's sessions will be focused on new trends in arrhythmia invasive and non-invasive management for cardiologists, electrophysiologists, EP fellows and allied professionals; there will also be an intense and (as usual) cross platform training in device management. This year clinical focus will be on syncope, inherited arrhythmias, ventricular tachycardias, issues of anticoagulation managements.

We are planning to introduce multiple small group workshops including ECG telemetry, ECG/Holter monitoring reads, ECG workshops on arrhythmia recognition and medical treatment monitoring using ECG.

We will be holding three excellent sessions for family doctors with focus on arrhythmia patient management, ECG interpretation, and approaches to the patient with fainting spells.

We deploy world-class faculty to engage in discussions and expect, as always, fierce educational argument.

We welcome you to learn and enjoy at one of the most prestigious ski resorts in the country.

Sincerely,

Eugene Crystal MD, FRCP(C)

Founder and Chair, International Winter Arrhythmia School

Director, Arrhythmia Services, Sunnybrook Health Sciences Centre

Associate Professor, University of Toronto



School's Founder and Chair

Dr. Eugene Crystal

Educational Program Chair

Dr. Ilan Lashevsky

CME Accreditation: University of Toronto

Royal College of Physicians and Surgeons of Canada – Section 1

This event 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, approved by Continuing Professional Development, Faculty of Medicine, University of Toronto up to a maximum of (23 hours)

The College of Family Physicians of Canada – Mainpro M1

This program meets the accreditation criteria of The College of Family Physicians of Canada and has been accredited by Continuing Professional Development, Faculty of Medicine, University of Toronto, for up to 8.5 Mainpro-M1 credits.

The American Medical Association - AMA PRA Category 1

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 CreditsTM. Information on the process to convert Royal College MOC credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

13th Annual Hosting Faculty

Dr. Eugene Crystal, Chair, Toronto, Ontario
Dr. Claudia Bucci, PharmD, Toronto, Ontario
Dr. Sharon Domb, Toronto, Ontario
Dr. Brian Gilbert, Toronto, Ontario
Dr. Mark Hansen, Toronto, Ontario
Dr. Balir Henry, Toronto, Ontario
Dr. Darren Kagal, Toronto, Ontario
Dr. Ilan Lashevsky, Toronto, Ontario
Dr. Michael Mohareb, Toronto, Ontario
Dr. David Newman, Toronto, Ontario
Dr. Idan Roifman, Toronto, Ontario
Dr. Sheldon M. Singh, Toronto, Ontario
Dr. Irving Tiong, Toronto, Ontario
Suzette Turner, NP, Toronto, Ontario
Dr. Aminhussein Zagzoog, Toronto, Ontario

13th Annual International Faculty

Dr. Jonathan C. Makielski, Madison, USA
Dr. Mohammed Shurrab, West Bank, Palestine
Dr. Roderick Tung, Chicago, USA
Dr. Wojciech Zareba, Rochester, USA

13th Annual National Faculty

Dr. Kamran Ahmad, Toronto, Ontario
Dr. Félix Ayala-Paredes, Sherbrooke, Quebec
Dr. Sean Balmain, Toronto, Ontario
Dr. Adrian Baranchuk, Kingston, Ontario
Dr. Sacha Bhatia, Toronto, Ontario
Melanie Care, M.Sc, Toronto, Ontario
Dr. Mark Crowther, Hamilton, Ontario
Dr. David Gladstone, Toronto, Ontario
Dr. Michael Gollob, Toronto, Ontario
Dr. Andrew Ha, Toronto, Ontario
Dr. Paula Harvey, Toronto, Ontario
Dr. Jeff Healey, Hamilton, Ontario
Dr. Amir Janmohamed, Toronto, Ontario
Dr. Vikas Kuriachan, Calgary, Alberta
Dr. Kevin Levitt, Toronto, Ontario
Dr. Iqwal Mangat, Toronto, Ontario
Dr. Carlos Morillo, Hamilton, Ontario
Dr. Krishnakumar Nair, Toronto, Ontario
Dr. Douglas Ng, Toronto, Ontario
Dr. Jennifer Price, RN, PhD, Toronto, Ontario
Dr. Damian Redfearn, Kingston, Ontario
Dr. Dr. Robert S. Sheldon, Calgary, Alberta
Dr. Mouhannad Sadek, Ottawa, Ontario
Dr. James Swan, Toronto, Ontario
Dr. Venkatesh Thiruganasambandamoorthy, Ottawa, Ontario
Dr. Sheldon Tobe, Toronto, Ontario
Dr. Alexander Turpie, Toronto, Ontario
Dr. Marillea Yu, Brampton, Ontario



Coffee served during break



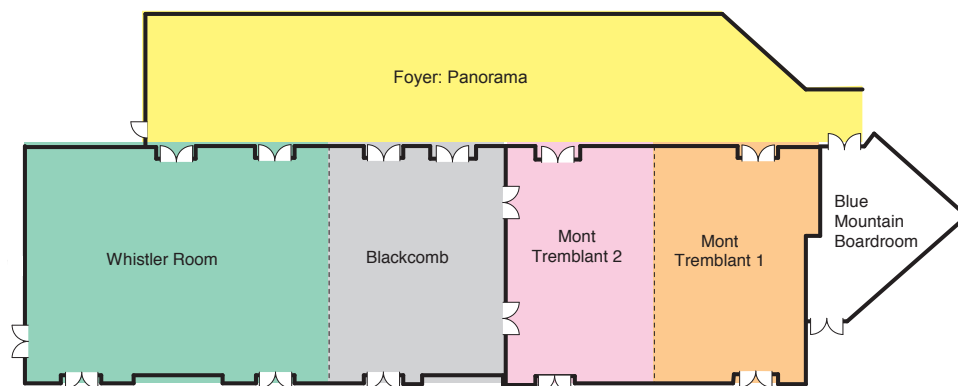
Food served during break

Contact Information:




Seddigheh Baktash 416.826.0524
Banafsheh Arouny 647.969.5034

Session rooms indicated by colour (please see below)


Blackcomb Room	Whistler Room
Mont Tremblant 2	Mont Tremblant 1
Foyer: Panorama	



Friday February 5th, 2016

9:00 AM	Registration (open all day)		
Time	Topic	Speaker	Chair
10:00 AM	Opening Remarks 		
General Cardiology Stream			
10:15 AM - 12:00 PM	Telemetry workshop	Dr. D. Kagal & Dr. D. Ng	
12:00 PM	Break		
<div> CAREER DEVELOPMENT SESSION </div> <p>Restricted to cardiology residents and fellows (<i>lunch will be served during this session</i>)</p>			
12:15 PM - 12:35 PM	Important things to consider aiming for an academic research pathway	Dr. J. Healey	Dr. B. Gilbert
12:35 PM - 12:55 PM	What it takes to be hired at university centers and challenges of early career	Dr. S. Bhatia	
12:55 PM - 1:15 PM	Practice challenges in various provinces	Dr. I. Tiong	
1:15 PM - 1:35 PM	Discussion	Dr. B. Gilbert	
1:35 PM	Break		
HOLTER WORKSHOPS			
1:50 PM - 2:20 PM	Holter readings with Dr. Newman	Dr. D. Newman	
2:20 PM - 2:50 PM	Unusual Holter readings with Dr. Baranchuk	Dr. A. Baranchuk	
2:50 PM - 3:20 PM	Holter reading with Dr. Hansen	Dr. M. Hansen	
3:20 PM	Break		
SYNCOPE			
3:35 PM - 4:00 PM	Syncope assessment in the emergency department	Dr. V. Thiruganasambandamoorthy	Dr. D. Newman
4:00 PM - 4:25 PM	The role of pacemaker in vasovagal syncope	Dr. C. Morillo	
4:25 PM - 4:50 PM	Myths and evidence of follow-up in patients with syncope	Dr. R. Sheldon	
4:50 PM	Break		
ECHOCARDIOGRAPHY IN CARDIAC ARRHYTHMIAS			
5:05 PM - 5:35 PM	The role of cardiac MR imaging in the patient with arrhythmia	Dr. I. Roifman	Dr. E. Crystal & Dr. I. Roifman
5:35 PM - 6:05 PM	Echocardiographic features of arrhythmogenic cardiomyopathies	Dr. K. levitt	
6:05 PM - 6:35 PM	Arrhythmia in valvular heart disease: What every clinician needs to know	Dr. M. Hansen	
6:35 PM	Break		
6:50 PM - 7:50 PM	Sleep apnea diagnostics and detection with Reply 200	M. Jordan-Watt	




Friday February 5th, 2016

9:00 AM	Registration (open all day)		
Time	Topic	Speaker	Chair
		Dr. E. Crystal	
Research Meetings Stream			
10:15 AM - 10:45 AM	ARTESIA meeting: A brief update	Dr. J. Healey	
10:45 AM	Break		
 LUNCH SESSION			
12:15 PM - 1:15 PM	Reversing anticoagulants: New and old	Dr. M. Crowther	Dr. I. Lashevsky
1:15 PM - 1:35 PM	Gadgets for ECG tracings	Dr. D. Newman	
1:35 PM	Break		
1:50 PM - 2:50 PM	GENETIC-AF meeting 1 (by Invitation only)		
2:50 PM	Break		
3:05 PM - 4:05 PM	GENETIC-AF meeting 2 (by Invitation only)		
4:05 PM	Break		
5:00 PM - 7:00 PM	S-ICD case report: From start to finish	Dr. A. Janmohamed	




Family Physicians Stream

Time	Topic	Speaker	Chair
ECG WORKSHOP			
3:35 PM - 4:00 PM	What to look for on the ECG of a patient with episodic palpitations?	Dr. E. Crystal	Dr. S. Domb & Dr. E. Crystal
4:00 PM - 4:25 PM	How cardiac and non-cardiac medications affect ECG?	Dr. I. Lashevsky	
4:25 PM - 4:50 PM	What ECG abnormality needs urgent workup?	Dr. I. Lashevsky	
4:50 PM	Break		
5:05 PM - 5:30 PM	Caring for patients with arrhythmia/implantable cardiac devices: Driving, flying, and sport issues	S. Turner	Dr. S. Domb & Dr. E. Crystal
5:30 PM - 5:55 PM	Naturopathic interventions in cardiac care	Dr. M. Yu	


Saturday February 6th, 2016

7:00 AM - 8:00 AM	Ontario association of cardiologists workshop (it is limited to cardiologists only) <i>(breakfast will be served during this session)</i>		
7:00 AM - 8:00 AM	Device interrogation workshop 1 <i>(breakfast will be served during this session)</i>		Dr. M. Shurrah
8:00 AM - 8:25 AM	Holter reading exam		
General and Electrophysiology Stream			
Time	Topic	Speaker	Chair
CHANNELOPATHIES IN INHERITED ARRHYTHMIAS			
8:25 AM - 8:50 AM	How do we prove the significance of genetic mutation in the lab?	Dr. J. Makielski	Dr. M. Gollob
8:50 AM - 9:15 AM	Role of beta blockers in congenital channelopathy	Dr. W. Zareba	
9:15 AM - 9:40 AM	Indications and approaches to sympathetic ganglionectomy	Dr. R. Tung	
9:40 AM	Break		
CHANNELOPATHIES IN INHERITED ARRHYTHMIAS			
9:55 AM - 10:20 AM	Is there specific treatment for individual mutation?	Dr. W. Zareba	Dr. W. Zareba
10:20 AM - 10:45 AM	Role of multiple mutations	Dr. M. Gollob	
10:45 AM	Break 		
GENETICS OF INHERITED ARRHYTHMIAS			
11:00 AM - 11:25 AM	Genetic testing: State of the art and the future	Dr. M. Gollob	Dr. K. Ahmad
11:25 AM - 11:50 AM	Genetic counseling for patients and families	M. Care	
11:50 AM - 12:15 PM	How do we prove the significance of genetic mutations in the lab (molecular, cellular and animal phenotypes)?	Dr. J. Makielski	
12:15 PM	Break		
 ANTICOAGULATION ISSUES <i>(lunch will be served during this session)</i>			
12:30 PM- 12:55 PM	Real world data of oral anticoagulation for AFib stroke prevention (Canadian and International experience)	Dr. A. Ha	Dr. E. Crystal
12:55 PM- 1:20 PM	From clinical trials to efficacy and safety in real life: What to expect from NOACs in clinical practice	Dr. A. Turpie	
1:20 PM - 1:45 PM	How to manage patients receiving NOACs: A practical checklist approach for clinicians	Dr. D. Gladstone	
1:45 PM	Break		

Saturday February 6th, 2016

			Dr. J. Swan
7:00 AM - 8:00 AM	Device interrogation workshop 2 <i>(breakfast will be served during this session)</i>		Dr. K. Ahmad
			Dr. I. Tiong & Dr. D. Kagal
Device Stream			
Time	Topic	Speaker	Chair
ICD PROGRAMMING			
8:25 AM - 8:50 AM	The art of ICD choice and programming for primary prevention	Dr. A. Baranchuk	Dr. M. Shurrab & Dr. F. Ayala-Paredes
8:50 AM - 9:15 AM	Supraventricular arrhythmias in patients with ICDs: Diagnosis & troubleshooting	Dr. A. Janmohamed	
9:15 AM - 9:40 AM	Practical, ethical and legal considerations of terminal patients with cardiac devices	B. Henry	
9:40 AM	Break		
ISSUES IN DEVICE THERAPIES			
9:55 AM - 10:20 AM	MR imaging of patients with cardiac pacing devices (MR-conditional and non-MR-conditional)	Dr. A. Ha	Dr. A. Baranchuk
10:20 AM - 10:45 AM	Cardiac Resynchronization Therapy in adults with congenital heart disease	Dr. K. Nair	
10:45 AM	Break 		
ICD NIGHTMARES AND MALFUNCTIONS/PSEUDO MALFUNCTIONS			
11:00 AM - 11:25 AM	ICD nightmare: How to understand difficult cases?	Dr. M. Sadek & Dr. M. Mohareb	Dr. A. Ha
11:25 AM - 11:50 AM	Pacemaker malfunction and pseudo-malfunction: Does this unusual ECG indicate pacemaker malfunction?	Dr. S. Balmain	
10:05 AM - 11:45 AM	Intracardiac Echo imaging, and CartoSound technology		


Saturday February 6th, 2016

General and Electrophysiology Stream			
Time	Topic	Speaker	Chair
SYNCOPE			
2:00 PM - 2:25 PM	Vasovagal syncope and the autonomic dysfunction – similarities and dissimilarities	Dr. C. Morillo	Dr. R. Sheldon & Dr. C. Morillo
2:25 PM - 2:50 PM	Approaches to vasovagal syncope investigation	Dr. R. Sheldon	
2:50 PM - 3:15 PM	Risk assessment in cardiac syncope	Dr. V. Kuriachan	
3:15 PM	Break 		

Original Contributions	
Time	Topic
ORAL PRESENTATION	
4:15 PM - 4:35 PM	The impact of fever on corrected QT interval
4:35 PM - 4:55 PM	Ablation of pulmonary veins by retrograde approach using magnetic navigation system
4:55 PM - 5:15 PM	High-voltage ICD lead impedances are not increased by routine defibrillation testing: Results from the simple trial
5:15 PM - 5:35 PM	Remote magnetic navigation versus manually controlled catheter ablation of right ventricular outflow tract ventricular arrhythmias: A retrospective two centers experience

GUIDED POSTER PRESENTATION		Chaired by: Dr. M. Gollob & S. Turner
Time	Title of Presentation	Presenter
5:50 PM - 6:05 PM	Safety and efficacy of percutaneous left atrial appendage closure. Initial experience	Aldo Carrizo
6:05 PM - 6:20 PM	Comparison of uninterrupted warfarin vs. interrupted DOAC therapy in patients undergoing elective PVI	Zardasht Jaff
6:20 PM - 6:35 PM	Lessons learned from single centre S-ICD follow-up	Tamara Homward-Pascal
6:35 PM - 6:50 PM	Analysis of inappropriate therapies in implantable cardioverter defibrillators and rationalized programming to reduce the burden	Usama Boles
6:50 PM - 7:05 PM	Atrial reverse electrical remodeling induced by cardiac resynchronization therapy. Pilot study	Fariha Sadiq Ali
7:05 PM - 7:20 PM	Relative timing of near-field and far-field electrograms can determine tachyarrhythmia site of origin	Fariha Sadiq Ali
7:20 PM - 7:35 PM	Incidence of cardiac rhythm device malfunction post radiation therapy	Aminhussein Zagzoog



Saturday February 6th, 2016

Device stream			
Time	Topic	Speaker	Chair
2:00 PM - 3:15 PM	ICD and device management in radiation therapy	Dr. I. Tiong S. Turner Dr. A. Zagzoog	
3:15 PM	Break 		
3:30 PM - 4:00 PM	Single chamber ICD with atrial diagnostics: Experience and studies	Dr. F. Ayala-Paredes	Dr. E. Crystal
4:00 PM	Break		
Speaker		Chair	
Doran Drew	Dr. M. Shurrab & Dr. E. Crystal		
Michael Rahkovich			
William McIntyre			
Ayelet Shauer			

GUIDED POSTER PRESENTATION		Chaired by: Dr. M. Sadek & Dr. D. Redfearn
Time	Title of Presentation	Presenter
5:50 PM - 6:05 PM	Cardiac device trouble shooting: Is this PMT?	Savitri Persaud
6:05 PM - 6:20 PM	The gap between indicated and prescribed stroke prevention therapies in a high-risk geriatric population in Ontario	Mohammad Shurrab
6:20 PM - 6:35 PM	The value of electrocardiography for the prognostication of acute pulmonary embolism: A systematic review and meta-analysis	Amro Qaddoura
6:35 PM - 6:50 PM	New methodologies for measuring Brugada ECG patterns cannot differentiate the ECG pattern of Brugada syndrome from Brugada phenocopy	Byron H. Gottschalk
6:50 PM - 7:05 PM	Procainamide challenge for diagnosing Brugada syndrome: Development of checklist and standardized protocol	Jennifer Kim
7:05 PM - 7:20 PM	Implantable loop recorders: Indications, complications and outcomes	Omar Ibrahim



Saturday February 6th, 2016

Family Physicians Stream

Time	Topic	Speaker	Chair
RECOGNITION AND MANAGEMENT OF COMMON ISSUES IN PRACTICE (PART 1)			
8:25 AM - 8:50 AM	Role of blood pressure monitoring in management of hypertension	Dr. S. Tobe	Dr. S. Domb & Dr. E. Crystal
8:50 AM - 9:15 AM	What's new in cardiovascular drugs	Dr. C. Bucci	
9:15 AM - 9:40 AM	Which syncope patients should you send to the emergency department	Dr. V. Thiruganasambandamoorthy	
9:40 AM - 10:05 AM	Direct oral anticoagulants – what you need to know	Dr. C. Bucci	
10:05 AM	Break 		
12:30 PM - 1:45 PM	Please join Anticoagulation Issues Session (lunch will be served during this session) under EP Stream		
RECOGNITION AND MANAGEMENT OF COMMON ISSUES IN PRACTICE (PART2)			
2:00 PM - 2:25 PM	When to order different cardiac investigations?	Dr. I. Roifman	Dr. M. Shurrab & Dr. E. Crystal
2:25 PM - 2:50 PM	Portable devices and applications to detect arrhythmias: Which one to download?	Dr. D. Newman	
2:50 PM - 3:15 PM	Psychotropic medications, ECG changes and cardiac arrhythmias: Are they related?	Dr. M. Shurrab	
3:15 PM	Closing Remarks	Dr. S. Domb & Dr. E. Crystal	

Sunday February 7th, 2016

Electrophysiology Stream

Time	Topic	Speaker	Chair
6:45 AM - 8:00 AM	Exercise rehabilitation and arrhythmias (breakfast will be served)		Dr. P. Harvey & Dr. J. Price
VT ABLATION SESSION			
8:00 AM - 8:25 AM	Indications for epicardial ablation	Dr. R. Tung	Dr. D. Redfearn
8:25 AM - 8:50 AM	Is routine MRI necessary for scar VT ablation	Dr. S. Singh	
8:50 AM - 9:15 AM	Step-by-step approach to multiple VT ablation in a single patient	Dr. V. Kuriachan	
9:15 AM	Break 		
9:30 AM - 10:00 AM	Duelling "Do we need stepwise vasovagal syncope or should we implant ILR?"	Dr. R. Sheldon vs. Dr. C. Morillo	Dr. D. Newman
10:00 AM - 10:30 AM	Duelling "Left atrial closure vs. anticoagulation treatment for AFib stroke prevention"	Dr. S. Singh vs. Dr. A. Ha	Dr. I. Lashevsky
10:30 AM - 11:00 AM	Duelling "CRT in right bundle branch block"	Dr. W. Zareba vs. Dr. A. Baranchuk	Dr. C. Morillo
11:00 AM	Closing Remarks and Award Announcements	Dr. E. Crystal	

Notes: _____



Séminaire
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***Thank you for attending the
13th International
Winter Arrhythmia School
See you next year***

***The Winter Arrhythmia School
has been made possible by
unrestricted educational grants from:***



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Combining experience to expand possibilities



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