

14th/14^{ième} International(e)



Séminaire Winter Arrhythmia School

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

February 10-12th, 2017
Blue Mountain, Ontario, Canada

www.winterarrhythmia.com



Dear Colleagues,

Welcome to our 14th Annual International Winter Arrhythmia School.

This year our program will be extending its scope to address increasing interest from various medical professionals.

In addition to our traditional streams, this year's sessions will include exciting topics such as EP in structural heart disease, sensible management of arrhythmia, and cardio-pharmacology for cardiologists, electrophysiologists, EP fellows and allied professionals; there will also be an intense and (as usual) cross platform training in device management.

We plan to introduce multiple small group workshops including 3 levels of ECG telemetry, ECG/Holter monitoring reads, ECG workshops on arrhythmia recognition and medical treatment monitoring using ECG.

Last year we introduced three excellent sessions for family doctors with a focus on arrhythmia patient management, ECG interpretation, and approaches to patients with fainting spells.

We plan to continue hosting a stream for family doctors and other family practitioners, with this year's sessions including topics such as acute management of atrial fibrillation in the ER and walk in clinics, and sleep apnea.

We will continue our new successful addition of workshops designed especially for nurses, EP technicians, and allied professionals, as well as an instructional workshop designed for EP fellows. We deploy a world-class faculty to engage in discussions and expect, as always, fierce educational argument.

In addition, this year's rich and versatile program has been extended to accommodate the robotics workshop, which will be a great opportunity to meet the world's leaders in cardiac robotics and learn about various aspects of its clinical applications.

Sincerely,

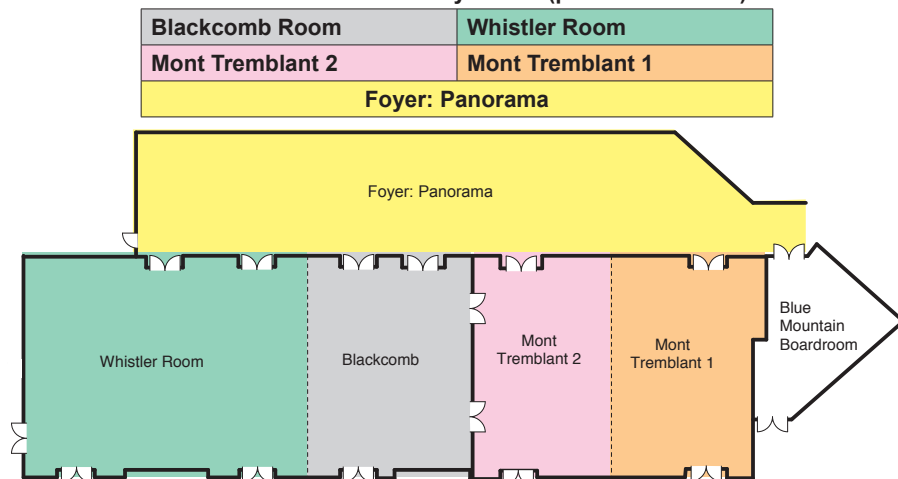
Eugene Crystal MD FRCPC

Founder & Chair, International Winter Arrhythmia School

Director, Arrhythmia Services, Sunnybrook Health Sciences Centre

REGISTRATION (Foyer): Friday (08:00 – 20:00), Saturday (08:00 – 16:00)
Sunday (08:00 – 10:00)

Session rooms indicated by colour (please see below)



Friday February 10th, 2017
NEW! ROBOTICS CATHETER
NAVIGATION WORKSHOP



Time	Topic	Chairs & Speakers
#1: Experimental and clinical remote manipulation applications		Dr. E. Crystal Dr. T. Szili-Torok
3:00 PM - 3:20 PM	By an engineer's eye: Challenges and opportunities for robotics in electrophysiology	Dr. A. Tavallaei
3:20 PM - 3:40 PM	Stability of magnetic navigation catheter - Experiments in a myocardial phantom model	Dr. A. Bhaskaran
3:40 PM - 4:00 PM	Lesion formation dynamics: Magnetic vs. manual catheter steering	Dr. P. Kazemian
4:00 PM - 4:20 PM	How to effectively use contact monitoring tools	Dr. T. Szili-Torok
4:20 PM	BREAK	
#2: Complex Remote Navigation Procedures		Dr. T. Szili-Torok Dr. F. Phlippon
4:35 PM - 4:55 PM	Usage of robotics in ventricular tachycardia cases in ischemic cardiomyopathies	Dr. P. Weiss
4:55 PM - 5:15 PM	Usage of robotics in ventricular arrhythmia in structurally normal heart	Dr. T. Szili-Torok
5:15 PM - 5:35 PM	Usage of robotics in cases involving atrial arrhythmia ablation	Dr. P. Weiss
5:35 PM - 5:45 PM	Robotic best practices in left atrial ablations: Power titration and lesion formation	Dr. P. Kazemian
5:45 PM - 5:55 PM	Best practice discussion by all participants: Managing the flow of atrial-based procedures	Moderated by Dr. E. Crystal
5:55 PM	BREAK	
#3: Current State Overview		Dr. M. Shurrab Dr. A. Tavallaei
6:05 PM - 6:25 PM	Publications review on medical robotics: Year 2016	Dr. M. Shurrab
6:25 PM - 6:45 PM	Review of current clinical research projects involving magnetic navigation systems	Dr. P. Brathwaite
6:45 PM	BREAK	
#4: EP practical aspects of remote navigation		J. Kirkland G. Jissam Dr. P. Weiss
6:55 PM - 7:15 PM	Mapping systems integration in robotics procedures	J. Kirkland G. Jissam Dr. P. Weiss
7:15 PM - 7:35 PM	Equipment setup and its verification in procedures involving Stereotaxis systems	


Friday February 10th, 2017

Time	Topic	Chairs & Speakers
10:00 AM - 10:15 AM	OPENING REMARKS (all streams)	
EP and General Cardiology Stream		
10:15 AM - 12:00 PM	ECG and telemetry workshop	Dr. D. Newman Dr. A. Baranchuk Dr. D. Kagal Dr. D. Ng
12:00 PM	BREAK	
12:10 PM - 1:30 PM	Subcutaneous ICD update (lunch session)	
12:30 PM - 12:50 PM	Progress in S-ICD	Dr. B. Mondesert
12:50 PM - 1:10 PM	ATLAS	Dr. G. Amit
1:10 PM - 1:30 PM	Esthetical aspects of S-ICD	Dr. A. Janmohammed
1:30 PM	BREAK	
Reading Holter With Masters		Dr. D. Newman
1:40 PM - 2:05 PM	Holter readings with Dr. Kagal	Dr. D. Kagal
2:05 PM - 2:30 PM	Holter readings with Dr. Baranchuk	Dr. A. Baranchuk
2:30 PM - 2:55 PM	Holter readings with Dr. Newman	Dr. D. Newman

Saturday February 11th, 2017

Devices Stream		Dr. M. Mohareb
8:30 AM - 9:10 AM	Intracardiac tracing from devices/complicated intracardiac tracings	Dr. M. Mohareb Dr. A. Pinter
9:10 AM - 9:30 AM	Leadless pacemakers	Dr. F. Philippon
9:30 AM	BREAK	
Challenges of CRT		Dr. K. Ahmad Dr. F. Philippon
9:45 AM - 10:05 AM	Optimization of non-responding CRT	Dr. A. Pinter
10:05 AM - 10:25 AM	Left ventricular endocardial pacing	Dr. J. Manlucu
10:25 AM - 10:45 AM	Multi-site pacing	Dr. M. Shurrab
10:45 AM	BREAK	

Friday February 10th, 2017

Time	Topic	Chairs & Speakers
10:00 AM - 10:15 AM	OPENING REMARKS (all streams)	
10:15 AM - 12:00 PM	ARCA BioPharma Research Meeting GENETIC-AF update (by invitation only)	Dr. D. Marshall Dr. C. Duffton
12:00 PM	BREAK	
12:10 PM - 1:30 PM	Lunch session for residents (Sponsored by the University of Toronto) 	Dr. I. Lashevsky Dr. K. Ahmad
12:30 PM - 12:50 PM	Career contrasts between community and academic physicians	Dr. K. Ahmad
12:50 PM - 1:10 PM	How to benefit most from EP rotations	Dr. I. Lashevsky Dr. K. Ahmad
1:10 PM - 1:30 PM	Opportunities for locum and strategies to get employed	Dr. M. Mohareb
1:30 PM	BREAK	
Family Physicians and General Internists Stream		Dr. M. Shurrab
1:40 PM - 2:00 PM	Psychopharmacology and arrhythmia	Dr. M. Shurrab
2:00 PM - 2:20 PM	Acute management of atrial fibrillation in emergency and walk-in clinics	Dr. T. O'Brien
2:20 PM - 2:40 PM	Holter: How to interpret my interpretation	Dr. A. Janmohammad

Saturday February 11th, 2017

EP and General Cardiology Stream		
Afib Session 1		Dr. P. Nery Dr. E. Crystal
8:30 AM - 8:50 AM	Ablation of persistent atrial fibrillation: What is next?	Dr. P. Nery
8:50 AM - 9:10 AM	Ablation of persistent atrial fibrillation in CHF patients	Dr. E. Crystal
9:10 AM - 9:30 AM	Fire versus Ice	Dr. A. Skanes
9:30 AM - 9:50 AM	Atrial fibrillation and atrial flutter strategy of treatment	Dr. P. Nery
9:50 AM	BREAK	
Afib Session 2		Dr. I. Lashevsky Dr. V. Chauhan
10:05 AM - 10:25 AM	Non PVI targets in AF	Dr. T. Szili-Torok
10:25 AM - 10:45 AM	Costs of ablating atrial fibrillation by different means	Dr. G. Golovchiner
10:45 AM - 11:05 AM	AVJ ablation returns	Dr. V. Chauhan

Saturday February 11th, 2017

Time	Topic	Chairs & Speakers
Challenges of CRT (continued)		Dr. F. Philippon
11:00 AM - 11:20 AM	Sonar technology for CRT optimization	Dr. F. Philippon
11:20 AM - 11:40 AM	Surgical approach to CRT	Dr. F. Moussa
11:40 PM	BREAK	
12:00 PM - 1:30 PM	Anticoagulation lunch session Oral anticoagulation update	Dr. P. Angaran Dr. D. Raco
1:30 PM	BREAK	
Special Issues in Device Management		Dr. M. Mohareb
1:45 PM - 2:05 PM	ERI + EOL process/protocol	Dr. M. Mohareb
2:05 PM - 2:25 PM	Periprocedural Management of CIEDs in unusual situations: Endoscopy and Radiation	S. Turner
2:25 PM - 2:45 PM	Driving with arrhythmia issues	S. Turner
2:45 PM - 3:05 PM	Driving with arrhythmia issues: How to deliver the message?	Dr. M. Rapoport
07:20 AM - 08:20 AM	Business meeting of Robotic Navigation Society Breakfast will be served (by invitation only)	

Family Physicians and General Internists Stream		Dr. I. Lashevsky
8:30 AM - 8:50 AM	Driving with arrhythmia issues	S. Turner
8:50 AM - 9:10 AM	Sleep apnea and CV disease	Dr. A. Baranchuk
9:10 AM - 9:30 AM	Clinical presentation with palpitations: ECG and non ECG hints for the type of arrhythmia	Dr. I. Lashevsky
9:30 AM	BREAK	

Family Physicians and General Internists Stream		Dr. A. Janmohammad
9:45 AM - 10:05 AM	Unique risk factors for women: Pregnancy and future cardiovascular disease	Dr. K. Fleming
10:05 AM - 10:25 AM	Driving with cognitive impairment, and how to deliver to message?	Dr. M. Rapoport
10:25 AM - 10:45 AM	Update on hypertension	Dr. S. Tobe

10:45 AM	BREAK	
Family Physicians and General Internists Stream		Dr. E. Crystal
11:00 AM - 11:20 AM	Indication for ILR	Dr. A. Skanes
11:20 AM - 11:40 AM	Rhythm control in atrial fibrillation	Dr. E. Crystal
11:40 AM - 12:00 PM	Amaurosis fugax and retinal vascular occlusive disorders	Dr. A. Sundaram

Saturday February 11th, 2017

Time	Topic	Chairs & Speakers
11:05 AM - 11:25 AM	Periprocedural AF management	Dr. K. Ahmad
11:25 AM - 11:50 PM	Homework Q's & A's: ECG and telemetry workshop	Dr. D. Newman Dr. A. Baranchuk Dr. D. Kagal Dr. D. Ng
11:50 AM	BREAK	
12:00 PM - 1:30 PM	Anticoagulation Lunch Session Oral anticoagulation update	Dr. P. Angaran Dr. D. Raco
1:30 PM	BREAK	
Cardio-Pharmacology		Dr. M. Farkouh
1:45 PM - 2:05 PM	Sensible management of arrhythmia	Dr. D. Newman
2:05 PM - 2:25 PM	Newest anti-coagulation product in Canada	Dr. P. Angaran
2:25 PM - 2:45 PM	Hypertension and atrial fibrillation	Dr. S. Tobe
2:45 PM - 3:05 PM	Case-based approach when AF ablation is appropriate	Dr. P. Kazemian
3:05 PM - 3:25 PM	Omega 3 and nutrition	Dr. M. Strauss
3:25 PM	BREAK	
EP in SHD		Dr. F. Philippon
3:40 PM - 4:00 PM	ICD and CRT indication before and after AV/MV procedures	Dr. J. Manlucu
4:00 PM - 4:20 PM	VT in SHD	Dr. K. Nair
4:20 PM - 4:40 PM	Role of ablation for AF in SHD	Dr. I. Lashevsky

Sunday February 12th, 2017

7:15 AM - 8:25 AM	Dx-AF Investigator Meeting Breakfast will be served (by invitation only)	A. Leung
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EP and General Cardiology Stream		
Ontario Association of Cardiology Updates		Dr. J. Swan
8:30 AM - 9:00 AM	Update status of TPSA – What a cardiologist must know	
9:00 AM - 9:30 AM	The ideal cardiology EMR	
9:30 AM	BREAK	
Dueling		Dr. A. Baranchuk Dr. E. Crystal
9:40 AM - 10:10 AM	ICD in non-ischemic cardio-myopathy	Dr. F. Philippon vs. Dr. A. Pinter
10:10 AM - 10:40 AM	Secondary prevention: Should it be accompanied by VT ablation or not?	Dr. I. Lashevsky vs. Dr. A. Skanes

14th Annual Hosting Faculty

Dr. Eugene Crystal, Chair, Toronto, Ontario
Dr. Daren Kagal, Toronto, Ontario
Jen Kirkland, Toronto, Ontario
Dr. Ilan Lashevsky, Toronto, Ontario
Suzette Turner, NP, Toronto, Ontario
Dr. David Newman, Toronto,
Dr. Mahmoud Bokhari, Toronto, Ontario

14th Annual International Faculty

Dr. Michael Porter, Denver, CO, USA
Dr. Tamas Szili-Torok, Rotterdam, The Netherlands
Dr. Peter Weiss, Utah, USA
Dr. Pedram Kazemian, New Jersey, USA
Dr. Mohammed Shurrab, Nablus, Palestine
Dr. Paul Brathwaite, St Louis, Missouri, USA
Dr. Gregory Golovchiner, Petah Tikva, Israel

14th Annual National Faculty

Dr. Adrian Baranchuk, Kingston Ontario
Dr. Douglas Ng, Toronto, Ontario
Dr. Abhishek Bhaskaran, Toronto, Ontario
Dr. Blandine Mondesert, Montreal, Quebec
Dr. Guy Amit, Hamilton, Ontario
Dr. Amir Janmohamed, Toronto, Ontario
Dr. Mohammad Ali Tavallaei, Toronto, Ontario
Dr. François Philippon, Quebec City, Quebec
Ghassan Jissam, Toronto, Ontario
Dr. Kamran, Ahmad, Toronto Ontario
Dr. Michael Mohareb, Toronto, Ontario
Dr. Arnold Pinter, Toronto, Ontario
Dr. Fuad Moussa, Toronto, Ontario
Dr. Paul Angaran, Toronto, Ontario

Dr. Mark Rapoport, Toronto, Ontario
Dr. Pablo Nery, Ottawa, Ontario
Dr. Allan Skanes, London, Ontario
Dr. Vijay Chauhan, Toronto, Ontario
Dr. Krishnakumar Nair, Toronto, Ontario
Dr. Karen Fleming, Toronto, Ontario
Dr. Sheldon Tobe, Toronto, Ontario
Dr. Arun Sundaram, Toronto, Ontario
Dr. Michael Farkouh, Toronto, Ontario
Dr. Jaimie Manlucu, London, Ontario
Dominic Raco, Toronto, Ontario
Dr. Tara O'Brien, Toronto, Ontario
Dr. Martin Strauss, Toronto, Ontario
Dr. James Swan, Toronto, Ontario



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School's Founder and Chair

Dr. Eugene Crystal

Educational Program Chair

Dr. Ilan Lashevsky

CME Accreditation: University of Toronto

14th International Winter Arrhythmia School has been approved for the following credits by Continuing Professional Development, Faculty of Medicine, University of Toronto:

The College of Family Physicians of Canada

4.0 Mainpro+ credits for Family Physician and General Internists Stream workshops
(1.0 Mainpro+ credits (Feb. 10) & 3.0 Mainpro+ (Feb. 11))

Royal College of Physicians & Surgeons of Canada

14.0 Section 1 credits; (This includes all streams/workshops on Feb. 10, Feb. 11, & Feb. 12, including both the "Family Physicians and General Internists Stream Workshops as above")

The American Medical Association

14.0 Category 1 credits; (This includes all streams/workshops on Feb. 10, Feb. 11, & Feb. 12, including both the "Family Physicians and General Internists Stream Workshops as above")

The Winter Arrhythmia School has been made possible by generous support of:



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