

# PROGRAM



Canadian Interventional Radiology Association  
Association canadienne de radiologie d'intervention

## CIRA 12<sup>th</sup> Annual Meeting

Thursday May 30 to Saturday June 1, 2013

(Fellows & Residents Day: May 29, by invitation only)



Photos: Courtesy Destination Halifax



The Westin Nova Scotian Hotel  
1181 Hollis Street  
Halifax, NS





CIRA Annual Meeting 2013 Halifax, NS

Thank you to our partners





CIRA Annual Meeting 2013

Halifax, NS

Make sure to fill out your Exhibitors Passport to win a very cool prize

**2013 CIRA**  
12<sup>th</sup> Annual Meeting  
The Westin Nova Scotian Hotel | May 30 – June 1, 2013

**2013 Exhibitors  
Passport**

**Good luck!**



## Objectives of the seminar

This year's meeting takes place in Halifax, the quaint seaside capital of Nova Scotia. Following on from the success of last year's meeting the organizers have again assembled an expert panel of Interventional Radiologists and clinical specialists from across Canada and are delighted to welcome highly respected guest speakers from Europe and the United States.

The sessions will be practically oriented and the intimate venue will allow for great discussion amongst all. The program has been designed to meet the needs of Canadian IR's and allied professionals and will cover a broad spectrum of established IR procedures and will explore new frontiers in IR.

We trust you will enjoy the sessions we have in store and we hope you will spend some extra time enjoying the delights of the Atlantic coastland.

**Dr. Bob Abraham**  
Scientific Program co-chair

**Dr. Brad Halkier**  
Scientific Program co-chair

## Learning Objectives

At the end of the meeting, the participant should expect to:

1. Be familiar with current interventional oncologic treatment of hepatocellular carcinoma and hepatic colorectal metastases.
2. Learn state of the art techniques and indications for the endovascular treatment of infrainguinal and infrapopliteal disease.
3. Be familiar with new interventional procedures for the treatment of hypertension and valve replacement.
4. Be familiar with principles of IR Room setup and management.
5. Understand current devices and therapeutic techniques used in embolization procedures.
6. Be familiar with tools and techniques from Neuro Interventional Radiology that can be "imported" into peripheral interventional practice.
7. Learn from the participant presentations and interaction during the Morbidity- Mortality and "case challenges" sessions.
8. Be familiar with strategies for the development and commercialization of new devices.
9. Understand techniques and tools used for bone augmentation procedures.
10. Review and understand the obstacles facing the Interventional Radiology field.
11. Be familiar with strategies to optimize MRA protocols.
12. Learn state of the art techniques and indications for the endovascular treatment of venous thrombotic disease.
13. Understand current techniques and tools used for the treatment of Varicoceles and Pelvic Vein Congestion.
14. Understand the concepts, principals and strategies involved in developing an IR Clinical practice.
15. Be familiar with legal issues related to the IR team.

## CME Credits

### Physicians

This group learning activity has been accredited for Section 1 Credits within the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada (RCPSC).

### MRT

This group learning activity has been accredited for Category A Credits within the continuing Education Credit Approval Program (CECAP) of the Canadian Association of Medical Radiation Technologists (CAMRT).



## Dr. Sebastian Flacke

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Dr. Sebastian Flacke received his MD and PhD from the University of Bonn, Germany and his post-graduate fellowship training in Germany and the US. He is a trained interventional radiologist and neuroradiologist. Dr. Flacke joined the Lahey Clinic in Boston in 2007 as Chief of Interventional Radiology, non-invasive Cardiovascular Imaging and Professor of Radiology at Tufts University Medical School.

Dr. Flacke's main clinical focus is liver directed cancer treatment. He is member of various professional societies, has contributed to 7 textbooks and authored more than 80 papers.

## Dr. Robert Lookstein

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Robert A Lookstein, MD FSIR FAHA, is Associate Professor of Radiology and Surgery in the Division of Vascular and Interventional Radiology at The Mount Sinai Medical Center. After completing medical school at the State University of NY (SUNY) Health Science Center at Brooklyn in 1995, he did his residency and fellowship in Vascular and Interventional Radiology at The Mount Sinai Medical School, New York. He subsequently joined the division of Vascular and Interventional Radiology. Dr. Lookstein lectures around the world on various subjects in the field of Vascular and Interventional Radiology including peripheral arterial imaging and intervention, endovascular interventions, aortic stent-grafts, and deep vein thrombosis.

Dr. Lookstein currently is Clinical Director and Chief of the Division of Interventional Radiology at Mount Sinai Medical Center. He is a Member of the Steering Committee of the American Heart Association's Council on Peripheral Arterial Disease. Dr. Lookstein serves as the Chair of the Society of Interventional Radiology (SIR) service line for peripheral arterial disease. In addition he serves as the site principal investigator for the ORION trial which will examine the role of endovascular stent placement in the iliac arteries for the treatment of symptomatic peripheral arterial disease. Dr. Lookstein is also the current president of the New York City Interventional Radiology Society.

## Dr. José J Muñoz

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Dr. José J Muñoz received his medical degree from Málaga University School of Medicine in Málaga, Spain, and completed his radiologist residency at Carlos Haya University Hospital. He became Chief of Vascular and Interventional Radiology Department in Carlos Haya University Hospital. He was Vice-president (2005-2007) and President (2007-2009) of the Spanish Society of Vascular and Interventional Radiology.

His PhD Thesis was "Endovascular treatment of thoracic aortic diseases" in 2003. Dr. Muñoz has been a major contributor to the development of some of the newest forms of treatment for vascular and non-vascular diseases in his country.

His group started newest treatments in is state (Andalusia, about 8,5 million people) i.e. stents grafts in aortic diseases, renal denervation, etc. He is a member of CIRSE (Cardiovascular and Interventional Radiology European Society) and 4 more societies. Dr. Muñoz has written one book, "Learning Vascular and Interventional Radiology", Springer 2010 and has been co-author in some chapters of 5 textbooks and authored more than 30 publications, two of which in Cardiovascular and Interventional Radiology (CVIR) Journal.

## Dr. Charles Ray

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Dr. Chuck Ray received his medical and master's degrees from Rush University in Chicago, IL, and his PhD from the University of Colorado. He completed his diagnostic residency at University of Illinois Hospital, followed by an interventional radiology fellowship at Massachusetts General Hospital, Boston, MA. After fellowship he accepted a position at Roswell Park Cancer Institute where he remained as Chief, Angio/IR for four years. He subsequently worked for eight years at Denver Health Medical Center as Chief of Interventional Radiology, before accepting his current position at University of Colorado, where he currently serves as Professor and Vice Chair of Research for the Department of Radiology, and Chief of Interventional Radiology.

Dr. Ray has received fellowship honors from the American College of Radiology, the Society of Interventional Radiology, and the Cardiovascular and Interventional Society of Europe. He has authored 95 papers, over 75 abstracts, and delivered over 100 invited lectures. He currently serves as Editor-in-Chief of Seminars in Interventional Radiology, and co-editor of Updates in Interventional Radiology.



## Onsite Information

### Registration Hours

The registration desk will be open the following hours:

Thursday	May 30	8:00 – 17:00
Friday	May 31	7:00 – 17:00
Saturday	June 1	7:00 – 13:00

### Exhibit Hall Hours

Thursday	May 30	12:30 – 17:00
Friday	May 31	7:15 – 17:00
Saturday	June 1	7:15 – 12:00

### Evaluation Form

In order to produce a successful meeting each year, the organizing committee needs your help. You have received an evaluation form with your participant kit. Please make sure to fill it out and give it back to the registration desk. You can also visit the registration desk if you lost your copy and would like a new one.

### Photo Disclaimer Policy

Registration and attendance at, or participation in, the Canadian Interventional Radiology Association (CIRA) meetings and other activities constitute an agreement by the registrant/attendee to CIRA’s use and distribution (both now and in the future) of the registrant’s or attendee’s image or voice in photograph, videotapes, electronic reproductions and audio tapes (“images/recordings”) of such events and activities. Registrant/attendee acknowledges and agrees that CIRA’s use or distribution of such images/recordings may be worldwide and in any medium; that CIRA may identify registrants or attendees in such images or recordings; and that registrants/attendees have no right to any compensation for such uses.

## Westin Nova Scotian Hotel

All plenary sessions take place in **Atlantic Ballroom**, 1<sup>st</sup> Floor

Exhibits and all Breakfasts & Coffee Breaks take place in **Commonwealth A**, 1<sup>st</sup> Floor

The Welcome Reception will take place in **Commonwealth A**, 1<sup>st</sup> Floor

The workshops take place in **Harbour A**, Lobby level (behind hotel front desk)

**Harbour B**, Lobby level (behind hotel front desk)

**Maritime**, 1<sup>st</sup> Floor

**Atlantic Ballroom**, 1<sup>st</sup> Floor

The Satellite Symposiums take place in **Harbour A**, Lobby level (behind hotel front desk)

**Harbour B**, Lobby level (behind hotel front desk)

**Maritime**, 1<sup>st</sup> Floor

**Lunenburg**, 1<sup>st</sup> Floor



# We would like to thank all the exhibitors

Abbott

AMT Electrosurgery Inc.

Angiodynamics\*

Ates Medical

Bard\*

Boston Scientific\*

CHS Ltd

Cook Medical\*

Cordis\*

Covidien\*

GE Healthcare\*

Inter V Medical\*

Medtronic\*

Philips\*

Siemens

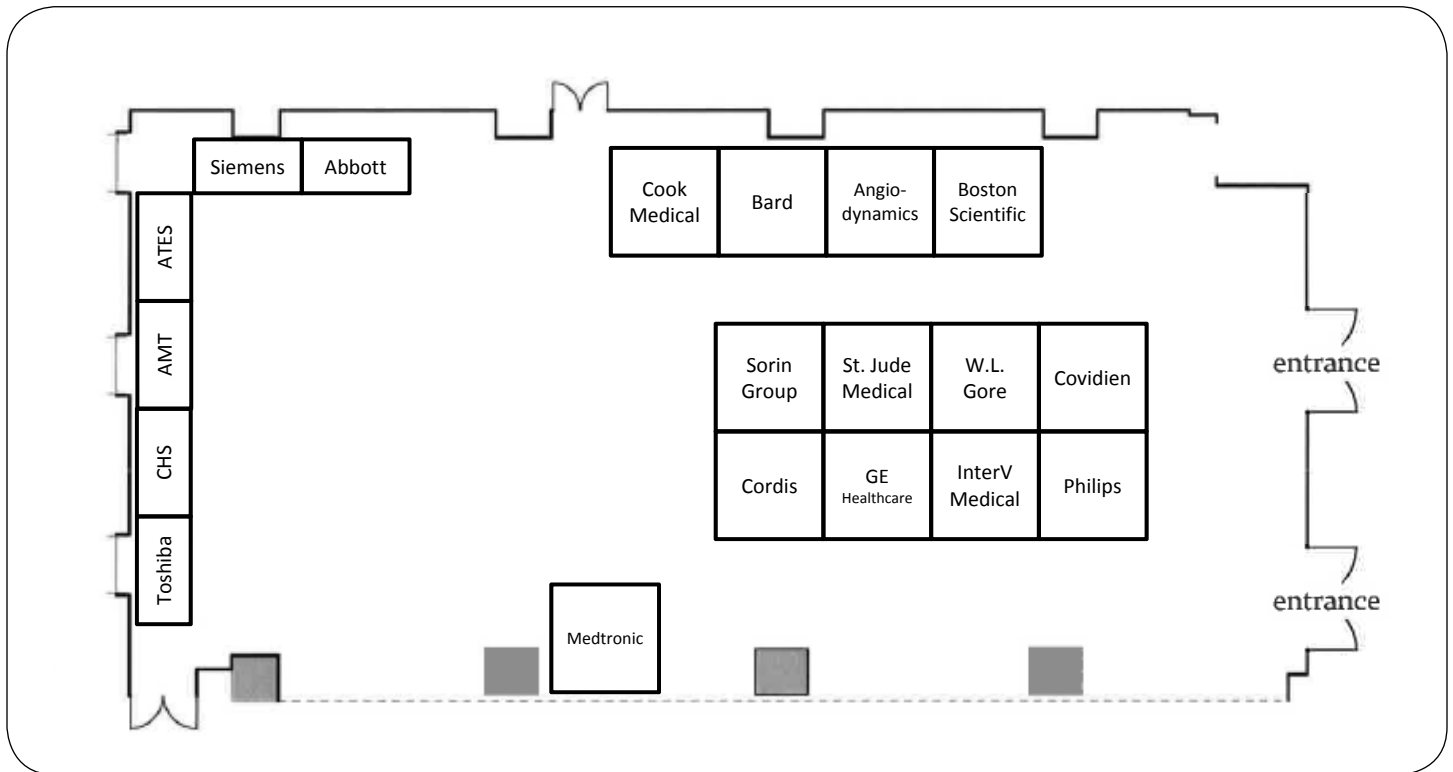
Sorin Group\*

St. Jude Medical\*

Toshiba

W. L. Gore & Associates\*

\* CIRA Corporate Partners



**Commonwealth A**



## Speakers and Moderators

**Robert ABRAHAM**, MD, FRCPC  
Associate Professor, Diagnostic and Interventional Radiology, Dalhousie University, Halifax

**Ian ALWYN**, MD  
Associate Professor of Surgery, Pathology, Microbiology and Immunology, Dalhousie; Surgical Head Multi Organ Transplant Program, Halifax

**Robert BEECROFT**, MD, FRCPC  
Staff, Division of Vascular and Interventional Radiology, Department of Medical Imaging, University Health Network, Mount Sinai Hospital; Lecturer, University of Toronto

**Andrew BENKO**, MD, FRCPC, CSPQ  
Chief of Angiography & Interventional Radiology, CHUS; Associate Professor, University of Sherbrooke

**Rob BERRY**, MD, FRCPC  
Section Head Vascular and Interventional Radiology, QE II HSC, Dalhousie University, Halifax

**Jane BONK**, MRT  
Medical Radiation Technologist, Lakeridge Health, Oshawa

**Daniel BOYD**, BSc(Hons), PhD  
Assistant Professor (Biomaterials), Faculty of Dentistry, Cross Appointments: School of Biomedical Engineering, Dept. of Radiology, Dalhousie University, Halifax

**Barbara CAMPBELL**, M.Sc  
Facilitator, Consultant, Halifax

**Patrick CASEY**, MD, FRCSC  
Assistant Professor, Dalhousie University; Staff Surgeon, Halifax Infirmary, Halifax

**Peter COLLINGWOOD**, MD, FRCPC  
Clinical Associate Professor, Memorial University, St John's

**Josée DUBOIS**, MD, FRCPC  
Professor of Radiology, Université de Montréal, CHU Ste-Justine, Montréal

**Darren FERGUSON**, MD, FRCPC, RVT  
Divisional Head, Vascular and Interventional Radiology, St John Regional Hospital; Section representative, NBMS

**Sebastian FLACKE**, MD, PhD  
Chief Interventional Radiology, Professor of Radiology, Tufts University Medical School, Department of Radiology, Lahey Clinic, Boston, MA

**Marie-France GIROUX**, MD, FRCPC, CSPQ, A.B.R.  
Interventional Radiologist, University of Montréal Hospital (CHUM); Chair of the Continuing Professional Development Committee in Radiology, Nuclear Medicine and Radio-Oncology at the U of Montréal; Assistant Professor, U de Montréal

**Mark GIVEN**, MRT (MR), RT (R)  
Director of Professional Practice, Canadian Association of Medical Radiation Technologists (CAMRT)

**Manraj K.S.HERAN**, MD, FRCPC  
Clinical Associate Professor, Head, Division of Neuroradiology, Vancouver General Hospital, Vancouver

**John KACHURA**, MD, FRCPC  
Associate Professor, Department of Medical Imaging, University of Toronto; Staff Interventional Radiologist, University Health Network & Mount Sinai Hospital, Toronto

**Darren KLASS**, MD, PhD  
Clinical Instructor, Dept. of Radiology, Division of Interventional Radiology, University of British Columbia; Interventional Radiologist, Vancouver Coastal Health, Vancouver

**Sanjoy KUNDU**, MD, FRCPC, RVT, RPVI, FCIIRSE, FSIR, FACPh  
Active Staff, Scarborough Hospital; Medical Director, Scarborough Vascular Ultrasound, Scarborough

**Christopher LIGHTFOOT**, MD, FRCPC, NS-ACP  
Assistant Professor, QEII HSC, Halifax

**Robert LOOKSTEIN**, MD, FSIR, FAHA  
Associate Professor of Radiology and Surgery Chief, Division of Interventional Radiology, Mount Sinai Center, New York, NY

**José Joaquin MUÑOZ RUIZ-CANELA**, MD  
Chief of Vascular and Interventional Radiology Department, Carlos Haya Hospital, Malaga, Spain

**Richard OWEN**, MD, FRCR, MRCP  
Associate Professor, University of Alberta, Edmonton

**Charles RAY**, MD, PhD  
Professor and Vice Chair of Research; Chief, IR, Denver, CO

**Mark ST. DENIS**, MRT  
Technologist in Vascular Interventional Radiology, UHN, Toronto

**KT TAN**, MD, FRCS, FRCPC, FRCR  
Assistant Professor, Department of Medical Imaging, University of Toronto; Head of Interventional Radiology, University Health network & Mount Sinai Hospital, Toronto

**David VALENTI**, MD, FRCPC  
Director, Division of Vascular and Interventional Radiology, McGill University Health Centre; Assistant Professor, McGill University, Montréal

**Jason K. WONG**, MD, FRCPC  
Fellowship Director, Clinical Associate Professor, Cardiovascular and Interventional Radiology, Department of Radiology, Foothills Medical Centre, University of Calgary



## Disclosure

The following speakers stated that they **do not have or have not had** a relationship with a healthcare company or organization (pharmaceutical, equipment, research, etc.) in the past 24 months.

Robert BERRY

Jane BONK

Peter COLLINGWOOD

Josée DUBOIS

Darren FERGUSON

Marie-France GIROUX

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Manraj K.S.HERAN

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Christopher LIGHTFOOT

Mark ST. DENIS

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**Robert ABRAHAM**

Founder and Stockholder of ABK Biomedical Inc.; Royalty: Cook Incorporated

**Ian ALWAYS**

Advisory board – Astellas Pharma

**Robert BEECROFT**

Consultant – Covidien

**Andrew BENKO**

Consultant/Proctor/Presenter or Research Support from: Boston Scientific, Abbott, Cordis, Cook, GE, Biotronik, Gore, Medtronic

**Daniel BOYD**

Founder of ABK Biomedical Inc.; Founder of Bearna Medical

**Barbara CAMPBELL**

Founder, Consultant – Hammock Facilitation Inc

**Patrick CASEY**

Consultant – Cook

**Sebastian FLACKE**

Consultant – Sanofi, Pluromed

**John KACHURA**

Research support – Celsion Corporation; Bayer Healthcare

**Robert LOOKSTEIN**

Consultant – Bayer Interventional, Cordis, Boston Scientific

**Jose J MUÑOZ**

Consultant – Medtronic, St Jude

**Richard OWEN**

Sponsor lectures and Research – Cook Inc, Covidien, Gore, Boston Scientific

**Charles RAY**

Therasphere Advisory board – Nordion

**KT TAN**

Consultant – Cook Medical; Research – Gore, Boston Scientific, Cordis, Biotronik

**David VALENTI**

Research – Activviews Inc.

**Jason K.WONG**

Consultant, Speaker – Gore, Cook



## Disclosure

The following speakers stated that they **will not** discuss or describe the investigational or unlabeled (“off-label”) use of a medical device, product or pharmaceutical that is classified by Health Canada as investigational for the intended use.

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David VALENTI

Jason K.WONG



# Agenda

## Wednesday May 29 2013

7:15 – 8:00 **Breakfast**

8:00 – 17:00  
**Fellows & Residents' Day**  
*Moderator: Peter Collingwood*

**Harbour B, Lobby Level**



- At the end of this session, the participant should be able to:
- Discuss complications of common and unusual interventional radiology cases.
  - Discuss new techniques used in common and unusual interventional radiology cases.
  - Discuss innovative approaches to common and unusual interventional radiology cases.

## Thursday May 30 2013

8:00 – 17:00 **Registration open**

12:30 – 17:00 **Exhibitors** **Commonwealth A, 1<sup>st</sup> Floor**

12:00 – 13:15 **Lunch – Satellite Symposiums**

<p><b>Abbott</b> presents:</p> <p><b>Update on Bravissimo Study and Clinical Outcomes</b> <i>With Dr. Maria Antonella Ruffino</i></p> <p><b>Now &amp; Future Abbott Endovascular Portfolio</b> <i>With Björn Svensson</i></p>	<p><b>Harbour B, Lobby Level</b></p> 
<p><b>Bard</b> presents:</p> <p><b>Drug coated balloons – New technology update</b> <i>With Dr. Marianne Brodmann</i></p>	<p><b>Harbour A, Lobby Level</b></p> 

13:30 – 15:45  
**Arterial Interventions – Let It Flow!**  
*Moderator: Andrew Benko*

**Atlantic Ballroom, 1<sup>st</sup> Floor**

13:30 – 13:35  
**Welcome Presentation**  
*Robert Abraham and John Kachura*

13:30 – 14:15  
**Infrainguinal Intervention**  
*Robert Lookstein*

- At the end of this session, the participant should be able to:
- Review indications for Endovascular treatment of critical limb ischemia (C.L.I.)
  - Review below the knee Angioplasty / Stent data from recent clinical trials
  - Review multidisciplinary team approach to treat C.L.I.

14:15 – 14:25  
**CIRA Annual Meeting**  
*Daniel Bourgeois*

14:25 – 14:45  
**Drug Eluting Stents and Drug Coated Balloons**  
*KT Tan*

- At the end of this session, the participant should be able to:
- Understand current data on these technologies
  - Know when to use these devices
  - Discuss cost effectiveness of these devices

14:45 – 15:05  
**Thrombolysis – Practical Tips**  
*Robert Berry*

- At the end of this session, the participant should be able to:
- Review indications and contraindications
  - Discuss different thrombolysis agents
  - Show advantages / disadvantages of various catheters / devices

15:05 – 15:30  
**IR/VS Collaboration**  
*Robert Abraham, Patrick Casey and KT Tan*

- At the end of this session, the participant should be able to:
- Describe current practice of IR and Vascular Surgery at QEII
  - Present a vision for future collaboration in PVD therapy
  - Discuss methods of collaboration



15:30 – 15:45

**Panel Discussion on PVD and IR/VS Collaboration**

*Andrew Benko, Robert Lookstein, KT Tan, Robert Berry, Bob Abraham, Patrick Casey*

15:45 – 16:15

**Break in Exhibit Area Commonwealth A, 1<sup>st</sup> Floor**

16:15 – 17:15 **Workshops**

**PVD**

*Robert Lookstein, Robert Berry*

**Atlantic Ballroom, 1<sup>st</sup> Floor**

At the end of this session, the participant should be able to:

- Review tibiopedal access to treat C.L.I.
- Review clinical management of C.L.I. patients
- Review complications from BTK Angioplasty

**Techs & Nurses: Room Management (Radioprotection, Infection Control, Room Management)**

*Darren Ferguson with Diane McSorley and Mary Ferris*

**Harbour B, Lobby Level**

At the end of this session, the participant should be able to:

- Discuss current standards of radioprotection
- Discuss of current standards of infection Control
- Discuss optimized room management to enhance patient care delivery

18:00 – 19:30

**Welcome Reception Commonwealth A, 1<sup>st</sup> Floor**

**Friday May 31 2013**

7:00 – 17:00 **Registration**

7:15 – 8:00 **Breakfast Commonwealth A, 1<sup>st</sup> Floor**

7:15 – 17:00 **Exhibitors Commonwealth A, 1<sup>st</sup> Floor**

8:00 – 9:00 **Workshops**

**Paediatrics**

*Josée Dubois, Manraj Heran* **Harbour A, Lobby Level**

At the end of this session, the participant should be able to:

- Identify the various imaging modalities used in pediatric vascular anomalies

- Recognize the pitfalls
- Discuss the outcome of vascular anomalies
- Provide the participants with a broader understanding of pediatric IR
- Introduce pediatric-specific issues in the IR suite
- Highlight, through case examples, the range and complexity of IR in pediatrics

**M & M Non-Vascular: The Collingwood – Owen Hour**

*Peter Collingwood, Richard Owen*

**Harbour B, Lobby Level**

At the end of this session, the participant should be able to:

- Recognize complications in non-vascular IR
- Learn how to overcome complications
- Learn ways to prevent complications
- Develop an appreciation for the Swiss cheese model of medical errors
- See how the experienced deal with unexpected complications and events
- Develop a local strategy for M&M rounds in their centers

**Techs & Nurses: Addressing Professional Practice and Professional Liability for Medical Radiation Technologists**

*Mark Given*

**Maritime, 1<sup>st</sup> Floor**

At the end of this session, the participant should be able to:

- Provide an overview of CAMRTs Professional Practice Initiatives
- Provide a summary of the CAMRTs Professional Liability Insurance Policy
- Discuss areas where IR technologists may be at risk

9:00 – 9:30

**Break in Exhibit Area Commonwealth A, 1<sup>st</sup> Floor**

9:30 – 12:00

**Interventional Oncology – Shake, Bake or TACE?**

*Moderator: David Valenti*

**Atlantic Ballroom, 1<sup>st</sup> Floor**

9:30 – 9:50

**Best Fellows Day Cases**

*Peter Collingwood*



9:50 – 10:10

**HCC & Hepatic Metastasis: IR vs Surgery**

*Ian Alwayn*

At the end of this session, the participant should be able to:

- Be aware of the different surgical and non-surgical treatment options for focal liver lesions
- Understand the management of HCC

10:10 – 10:45

**Y-90 Radioembolization**

*Charles Ray*

At the end of this session, the participant should be able to:

- Discuss the current role of radioembolization in the treatment of hepatocellular carcinoma and metastatic disease to the liver
- Recognize the potential complications of radioembolization
- Understand comparative outcome data, including cost, of radioembolization versus chemoembolization

10:45 – 11:20

**DC Bead M1 TACE**

*Sebastian Flacke*

At the end of this session, the participant should be able to:

- List and contraindications for DEB
- Describe physical properties of M1 beads
- Understand differences in treatment response between M1 beads and larger beads

11:20 – 11:45

**Hepatic Tumour Ablation**

*Robert Beecroft*

At the end of this session, the participant should be able to:

- Understand techniques for RFA of tumors in the liver
- Be aware of indications and contraindications for RFA of liver tumors
- Know potential complications of RFA in the liver, and means for their prevention

11:45 – 12:00

**Oncology Panel discussion**

*David Valenti, Ian Alwayn, Charles Ray, Sebastian Flacke, Robert Beecroft*

12:00 – 13:15 **Lunch – Satellite Symposiums**

**Cook Medical** presents:

**Harbour B, Lobby Level**

**Join the SAFARI: Learn an advanced treatment option for CLI patients**

*With Dr. KT Tan*



**Cordis** presents:

**Harbour A, Lobby Level**

**Novel Advancements in SFA Treatment**

*With Dr. Robert Lookstein*



**Covidien** presents:

**Maritime, 1<sup>st</sup> Floor**

**Interventional Oncology: The ABC's of RFA, MWA and TACE**

*With Drs. Rob Beecroft, Nirmal Kumar Kakani & Amol Mujoomdar*



**COVIDIEN**

**Medtronic** presents:

**Lunenburg, 1<sup>st</sup> Floor**

**Renal Denervation: Procedural Review and Technical Considerations**

*With Dr. José Joaquín Muñoz Ruiz-Canela*



**Medtronic**

13:30 – 15:30

**IR Pot Pourri – Cool Stuff to Impress Mom**

*Moderator: Darren Ferguson*

**Atlantic Ballroom, 1<sup>st</sup> Floor**

13:30 – 13:50

**Neuro IR for Non Neuro IR's**

*Manraj Heran*

At the end of this session, the participant should be able to:

- Introduce techniques for rapid recanalization in acute ischemic stroke
- Highlight the utility of neurointerventional tools in peripheral IR
- Discuss, through case examples, various INR procedures which a non-Neuro IR may face



13:50 – 14:20

**Osteoid Osteoma Ablation**

*John Kachura*

At the end of this session, the participant should be able to:

- Provide an overview of the principles and techniques of radiofrequency ablation (RFA) in the treatment of osteoid osteoma (OO)
- Discuss patient selection and efficacy of RFA for OO
- Briefly review other bone IR applications including ablation of skeletal metastases and bone augmentation

14:20 – 14:50

**Embolization Materials – When and Where**

*Charles Ray*

At the end of this session, the participant should be able to:

- Understand the role of different embolic aspects in clinical practice
- Understand specific patient population in which embolization may be contraindicated

14:50 – 15:10

**AVM Management**

*Josée Dubois*

At the end of this session, the participant should be able to:

- Understand the AVM classification
- Discuss when to treat AVM
- Discuss how to treat AVM

15:10 – 15:30

**Optimizing MR Angiography**

*Darren Klass*

At the end of this session, the participant should be able to:

- Describe techniques for contrast medium injection and images acquisition
- Describe the use of blood pool contrast agents for angiography and venography

15:30 – 16:00

**Break in Exhibit Area**

**Commonwealth A, 1<sup>st</sup> Floor**

16:00 – 17:00

**Workshops**

**Chemo and Radio Embolization**

*Sebastian Flacke, Charles Ray, David Valenti*

**Harbour B, Lobby Level**

At the end of this session, the participant should be able to:

- Review patient selection and pre-procedure work-up
- Understand basic and advanced technical points
- Discuss Post-procedure care and recognition and management of complications
- Compare techniques and technical differences between chemoembolization and radioembolization in the treatment of liver tumors
- Discuss the relative advantages and disadvantages of interventional techniques used in the treatment of liver tumors
- Discuss which patients may best benefit from one form of therapy or another in the treatment of liver tumors

**M & M Vascular: The Tan – Benko Hour**

*KT Tan, Andrew Benko*

**Harbour A, Lobby Level**

At the end of this session, the participant should be able to:

- Discuss particle size selection in difficult cases
- See the potential of cone beam CT to confirm targeted drug delivery
- Understand the integration of chemoembolization in a combination therapy
- Understand the common vascular complications
- Discuss how to avoid common vascular complications
- Discuss how to manage common vascular complications

**Techs & Nurses: What are the obstacles in IR**

*Jane Bonk, Mark St. Denis*

**Maritime, 1<sup>st</sup> Floor**

At the end of this session, the participant should be able to:

- Define obstacles we all face in IR, such as room flow, bookings, staffing, preparation and prioritizing emergency cases
- Compare different experiences in a large and small IR room
- Discuss solutions to our common obstacles, have an open forum to discuss other experiences



**Saturday June 1 2013**

7:00 – 13:00 **Registration**

7:15 – 8:00 **Breakfast** **Commonwealth A, 1<sup>st</sup> Floor**

7:15 – 12:00 **Exhibitors** **Commonwealth A, 1<sup>st</sup> Floor**

08:15 – 10:00

**New Frontiers & Innovation – Boldly Explore New Worlds**

*Moderator: Robert Berry*

**Atlantic Ballroom, 1<sup>st</sup> Floor**

08:15 – 08:45

**Renal Artery Denervation**

*José J Muñoz*

At the end of this session, the participant should be able to:

- Learn about right indications and contraindications of this technique
- Learn about best imaging diagnostic techniques pre and post procedure
- Learn about technical aspect of how to do renal denervation

08:45 – 09:10

**Percutaneous Valves**

*Darren Ferguson*

At the end of this session, the participant should be able to:

- Gain understanding of TAVI procedure
- Gain understanding of Radiologist's role on TAVI Team
- Gain insight into future applications of Percutaneous Valve

09:10 – 09:30

**Innovation: What to do with your great idea**

*Daniel Boyd*

At the end of this session, the participant should be able to:

- Understand the product development process of new IR devices
- Become aware of the funding mechanisms to develop new IR medical devices
- Be aware of Commercialization Hurdles

09:30 – 09:50

**Innovation: Protecting and commercializing that idea**

*Barbara Campbell*

At the end of this session, the participant should be able to:

- Understand core patentability and strategies for early innovations

- Be aware of resource availability for commercialization
- Understand diversity of outcomes, how to realize value of innovations

09:50 – 10:00

**New Frontiers & Innovation: Discussion Panel**

*Robert Berry, José J Muñoz, Darren Ferguson, Daniel Boyd, Barbara Campbell*

10:00 – 10:30

**Break in Exhibit Area**

**Commonwealth A, 1<sup>st</sup> Floor**

10:30 – 13:00

**Venous IR – Fast Fixes for Slow Flow**

*Moderator: Marie-France Giroux*

**Atlantic Ballroom, 1<sup>st</sup> Floor**

10:30 – 10:50

**Endovascular treatment of Varicoceles**

*Christopher Lightfoot*

At the end of this session, the participant should be able to:

- Understand common indications and expected outcomes following endovascular treatment of varicoceles
- Be able to classify varicoceles based on imaging appearance and know the impact this has on treatment
- Gain an appreciation of the varied approaches to treating varicoceles

10:50 – 11:10

**Pelvic Congestion Syndrome**

*Marie-France Giroux*

At the end of this session, the participant should be able to:

- Recognize the clinical presentation of pelvic congestion syndrome
- Learn how to use imaging to confirm radiologically the pelvic congestion syndrome
- Review the technical aspects of pelvic congestion syndrome embolization

11:10 – 11:30

**Iliofemoral DVT**

*Jason Wong*

At the end of this session, the participant should be able to:

- Review post thrombotic syndrome and acute complications of DVT
- Discuss strategies and options for teaching iliofemoral DVT
- Review current evidence for treatment of DVT







**Notes**

A series of horizontal lines for taking notes, arranged in two columns. Each column contains 20 lines, for a total of 40 lines across the page.



Canadian Interventional Radiology Association  
Association canadienne de radiologie d'intervention

# Join us for CIRA in Montréal!

## 13<sup>th</sup> Annual Meeting

May 29 to 31, 2014  
(Fellows & Resident Day : May 28)

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*Looking forward to seeing you there!*



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