

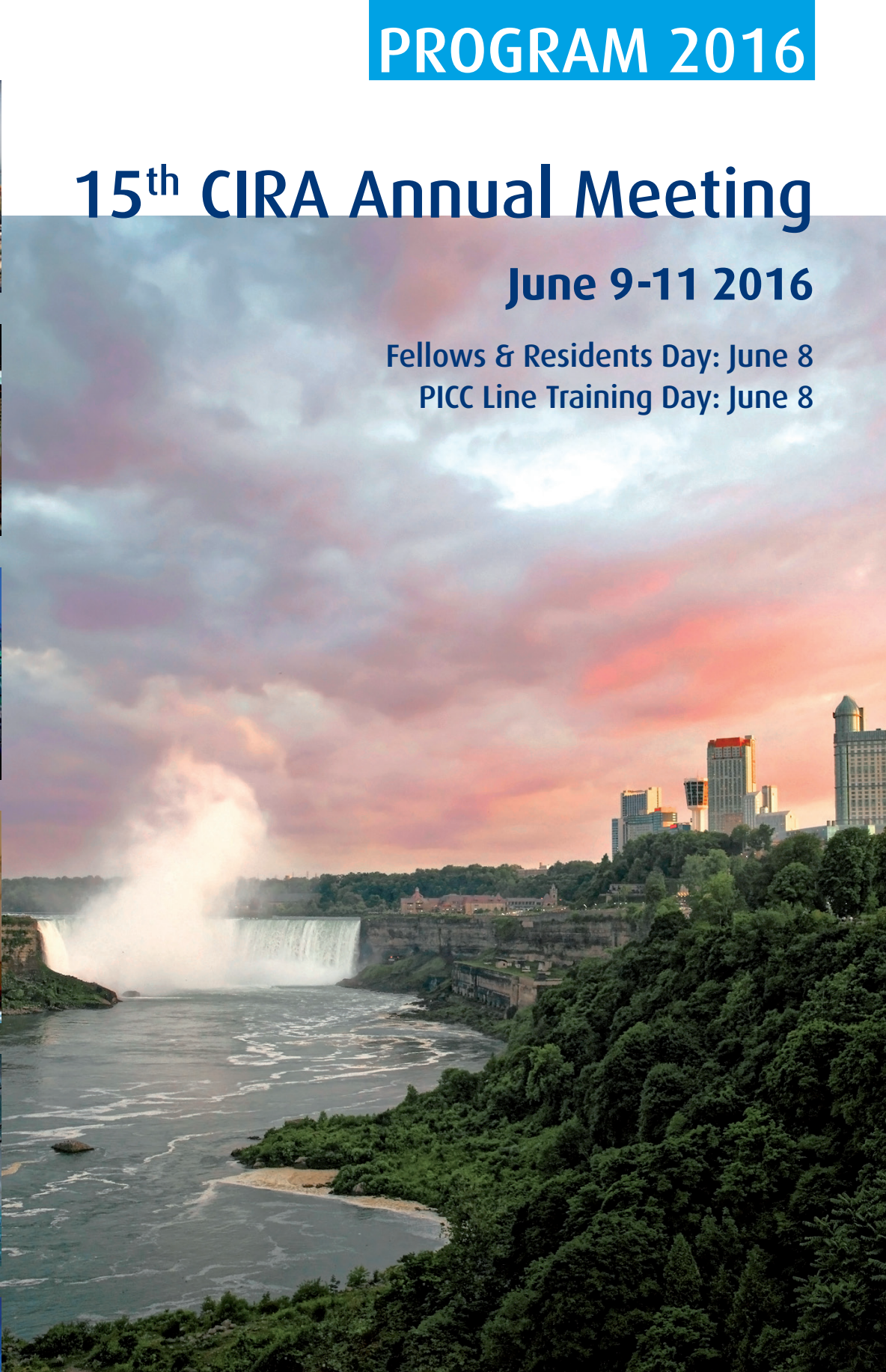
PROGRAM 2016

15th CIRA Annual Meeting

June 9-11 2016

Fellows & Residents Day: June 8

PICC Line Training Day: June 8



www.ciraweb.org



Canadian Interventional Radiology Association

Association canadienne de radiologie d'intervention

Objectives of the seminar

Through the years, CIRA has strived to deliver world-class IR education through an academic program that addresses the various facets of IR. On behalf of the scientific committee, we welcome you to Niagara Falls, for the most comprehensive IR educational experience in Canada. As in previous years, the program incorporates many facets of Interventional radiology practice with vascular, non-vascular and oncology themes relevant to both academic and community practices. To enhance the breadth of knowledge and techniques in IR, we have recruited respected members from across our Canadian IR community, as well as illustrious international guest speakers whom we are honoured to welcome. We are always looking for ways to bring more interactivity into our sessions. In addition to our interactive workshops, we have introduced the use of a social media platform (Twitter: @CIRA2000) to encourage discussion amongst attendees and our speakers.

Due to the resounding positive feedback from our previous meeting, we have brought back the “Difficult Case Panel Presentation” and a “Multidisciplinary Panel Case Presentation” which we hope will simulate real-life situations and help our members enhance complex decision making in their own practice. In accordance to our newly achieved sub-specialty recognition and the growing clinical role of IR, we are incorporating more clinical content, including inpatient and outpatient patient management and have emphasized multidisciplinary collaboration.

Additionally, timely new plenary sessions will address IR controversies, IR innovation, as well as the hospital administrator perspective for growing the IR footprint on the departmental and hospital levels. We will also look into the future of our specialty and explore the vision for IR practice as imagined by a leader in our field. The MRT and RN portion of the program will be exploring various procedures, interventions and improvement of work flow efficiencies, from an IR technologist and nurse prospective. We hope our attendees will enjoy the program we have planned and enjoy the exciting city of Niagara Falls.

Program Chairs

Drs Tara Graham, Amol Mujoomdar & Jason Wong

Technologists & Nurses Program Chairs

Ms. Jane Bonk & Mr. Mark St. Denis

Learning Objectives

At the end of the meeting, the participant should be able to:

1. Describe the role of catheter directed thrombolysis for treatment of submassive pulmonary embolism
2. Discuss the advantages and disadvantages of the radial access technique
3. Classify the role of the body interventionalist in stroke management
4. Review the management of DVT in the wake of the newly published InterEPID clinical practice guidelines (CMAJ 2015; 187: 1288-96)
5. Review the state of Renal Artery stenting following the CORAL study
6. Discuss the new TASC II guidelines and its implications in the management of PVD
7. Review the interpretation and application of scientific data and outcome parameters as it applies to oncology trials
8. Assess the field of regenerative medicine in the treatment of PVD
9. Describe the outpatient management for UFE
10. Review appropriate patient selection in IR oncology treatments
11. Review thermal and non-thermal IR management of painful skeletal metastases
12. Discuss the role of Stereotactic Body Radiation Therapy (SBRT) in the management of liver malignancies
13. Explain the fiscal challenges in managing an IR department from an administrative perspective and how to advocate for resources in your department
14. Discuss the future direction of IR

CME Credits

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).

CAMRT Credits

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).

Target Audience

This CME event will be of great interest to Interventional Radiologists, Radiology residents, Interventional Radiology fellows as well as technologists and nurses working in Interventional Radiology. This event could be of interest for any healthcare provider with an interest in Interventional Radiology.

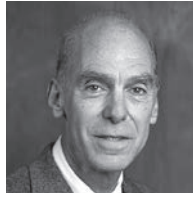
Needs Assessment

This program was developed based on feedback received from the evaluation forms collected during the SIR, CIRSE and CIRA Annual Meetings.

INVITED GUEST SPEAKERS

**Ziv J. Haskal**

Dr. Haskal is a tenured professor of Radiology and Medical Imaging in the Interventional Radiology Division at the University of Virginia School of Medicine. Dr. Haskal received his M.D. at Boston University School of Medicine, and completed residency and fellowship at the University of California – San Francisco. Dr. Haskal has given more than 500 invited lectures worldwide. In 2014 he was the awardee of the prestigious «Leaders in Innovation» award of the SIR Research Foundation. He has designed, participated, or led over 40 research trials, and published over 400 scientific manuscripts, chapters, review, abstracts, and editorials in journals. He cofounded the world's largest scientific congress on Embolization («GEST»). Dr. Haskal is the Editor in Chief of two peer reviewed Journals, Journal of Vascular and Interventional Radiology (JVIR) and Gastrointestinal Intervention. Dr. Haskal has served as the President of two Societies, the International Society of Neurovascular Disease (2014-5) and the Society of Gastrointestinal Intervention (2014-6). He has been near-continuously named to national Top Doctors lists since 1996.

**Louis Martin**

Dr. Louis Martin is a Professor and former Director of the Vascular and Interventional Radiology section of the Emory University school of Medicine Department where he continues to practice. He received his undergraduate and medical degrees at the Ohio State University in Columbus, Ohio. He entered the United States Air Force following one year of internal medicine at Marquette University in Milwaukee, Wisconsin. Following an honorable discharge from the USAF, he completed a residency in Diagnostic Radiology and a 2 year fellowship in Neuroradiology at Emory University in Atlanta, Georgia. Dr. Martin's research has primarily been in the field of Interventional Radiology with special emphasis on renal artery angioplasty, transjugular intrahepatic portosystemic shunts, maintenance of renal dialysis grafts and aortic and arterial endografts. He has published over 90 manuscripts and 15 book chapters. Dr. Martin was elected to fellowships in the American College of Radiology and the Society of Interventional Radiology. He has been very active in the Society of Interventional Radiology serving as Chairman of the FDA-SIR committee and as a member of the Technology Assessment Committee and the Standards of Practice Committee.

**Charles Ray**

Dr. Charles 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, at the University of Colorado where he served for eight years as the Chief of Interventional Radiology. He currently serves as Professor and Chair of Radiology at the University of Illinois Hospital in Chicago. 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 more than 120 papers, over 105 abstracts, and delivered over 200 invited lectures. He currently serves as Editor-in-Chief of Seminars in Interventional Radiology.

**Marc Sapoval**

Dr. Marc Sapoval received his medical degree from Paris Bicetre University, and his PhD from Paris Bicetre University. He completed his diagnostic residency at various Radiological department in Paris and an interventional radiology fellowship at Institut Gustave Roussy for 1 year and Broussais Hospital for 4 years. He was appointed Professor of radiology in 1997 and head of the Vascular and oncological Interventional Radiology of Hopital Européen Georges Pompidou in 2004. Dr. Sapoval is Fellow of the CIRSE, was responsible for the scientific program of the CIRSE congress for 2 years and co-founded the GEST meeting in 2007. He has authored 160 papers, over 200 abstracts, and delivered over 100 invited lectures. He currently serves as a reviewer for Eur Radiology, CVIR, Diagnostic and Interventional imaging, JACC, JVIR.

**Elizabeth Brooke Spencer**

Dr. Spencer is a Board certified, fellowship trained Interventional Radiologist with RIA Endovascular and practices at several metro Denver hospitals. Dr. Spencer is a pioneer in the treatment of deep vein thrombosis and chronic venous occlusions. She has extensive experience in treating varicose veins and known nationwide for her work with chronic venous reconstruction. She has been active in providing minimally invasive women's interventions, including the treatment of uterine fibroids and pelvic venous disease. Active in many professional organizations and initiatives, Dr. Spencer co-founded the Association of Women in Interventional Radiology. She is also the 2016 President of the Western Angiographic & Interventional Society and Vice Chair of the Board of Directors for the Interventional Initiative. She is a feature physician in Episode 1 of the documentary, Without a Scalpel. Dr. Elizabeth Brooke Spencer earned her undergraduate degree from Dartmouth College and she completed medical school at the University of Vermont. She completed her Diagnostic Radiology residency program at Duke University Medical Center in Durham, NC and a fellowship in Interventional Radiology at Mallinckrodt Institute of Radiology, Washington University in St. Louis, MO.

Onsite Information

Registration Desk Hours

The registration desk will be open during the following hours:

Wednesday	June 8	16:00 – 19:00
Thursday	June 9	7:00 – 17:00
Friday	June 10	7:00 – 17:00
Saturday	June 11	7:30 – 13:00

Exhibit Hall Hours

Thursday	June 9	7:15 – 17:00
Friday	June 10	7:15 – 17:00
Saturday	June 11	8:00 – 11:30

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.

The Sheraton on the Falls, Niagara Falls

All plenary sessions take place in
Great Room C, 3rd Floor

Exhibits and all Breakfasts & Coffee
Breaks take place in
Great Room B, 3rd Floor

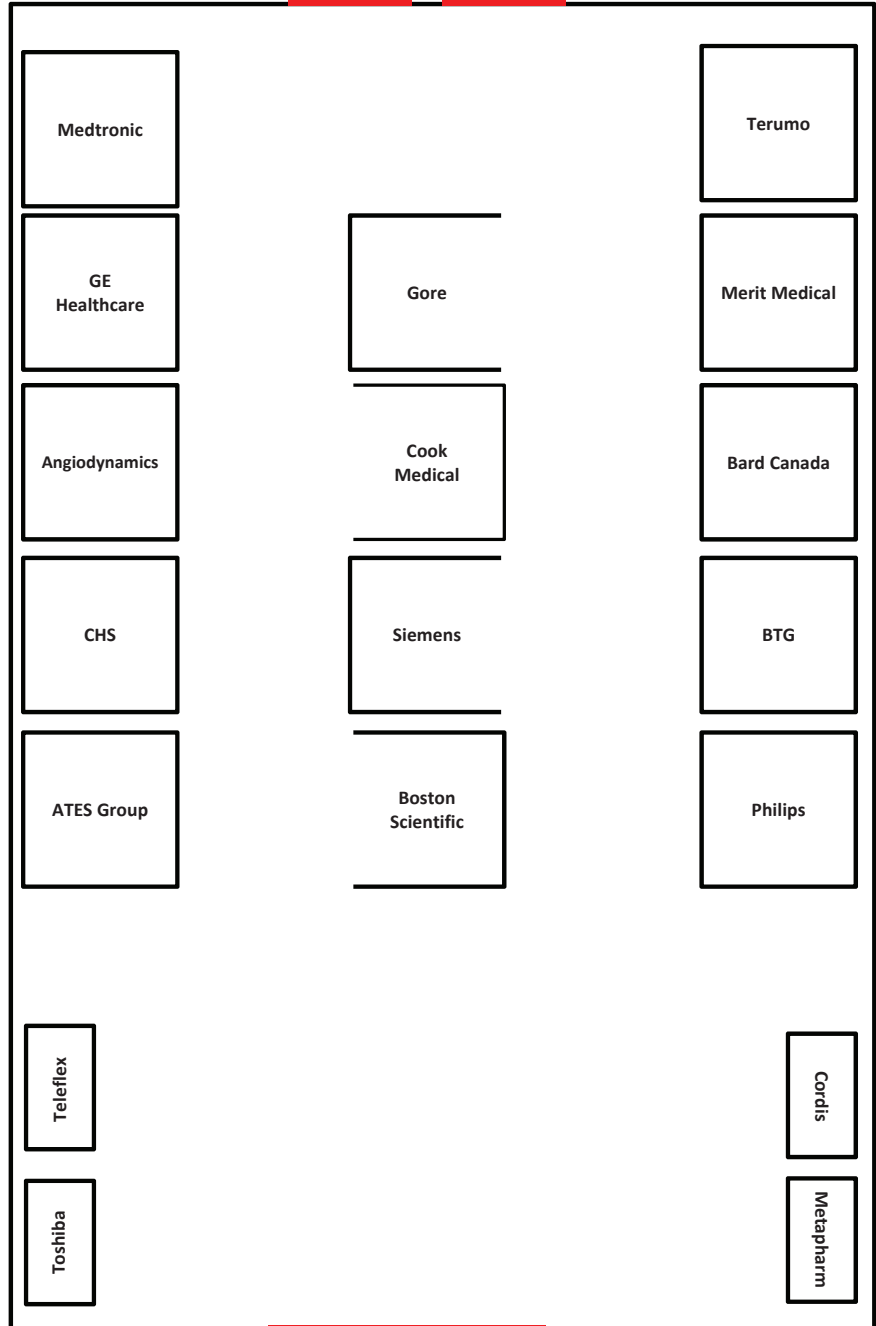
The Welcome Reception will
take place in
Fallsview Studio ABC, 3rd Floor

The workshops will take place in
Strategy Room 1, 5th Floor
Strategy Room 2, 5th Floor
Strategy Room 3, 5th Floor

We would like to thank all the exhibitors

ENTRANCE

- AngioDynamics***
- Ates Medical***
- Bard Canada***
- Boston Scientific***
- BTG International Canada***
- CHS Ltd***
- Cook Medical***
- Cordis
- GE Healthcare***
- Gore & Associates***
- Medtronic***
- Merit Medical***
- Methapharm
- Philips***
- Siemens***
- Teleflex
- Terumo***
- Toshiba



* CIRA Corporate Partners

Speakers and Moderators

Bob ABRAHAM, MD, FSIR, FRCPC – Associate Professor, Diagnostic Imaging and Interventional Radiology, Dalhousie University, Halifax

Colette BARNSTABLE, B.A.R. CF, MRT2 – IR, Foothills Medical Center, Calgary

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

Errol CAMLIOGLU, MD, MSc, BSc, FRPCP – Chief, Division of Interventional Radiology, Jewish General Hospital; Assistant Professor, Dept. of Radiology, McGill University, Montreal

Véronique CATY, MD, FRCPC – Professeur Adjoint de clinique, Université de Montréal

Cori CAUGHLIN, MD, FRCPC – Clinical Assistant Professor, Foothills Medical Centre, U of Calgary

Peter COLLINGWOOD, MD, FRCPC – Clinical Professor, Radiology, Memorial University, St John's

Julie COUDÉ, MRT – Coordonnatrice technique de l'Angioradiologie, St-Jérôme

Josée DUBOIS, MD, FRCPC – Professor of Radiology, Université de Montréal - Head, Medical Imaging Department, CHU Ste-Justine, Montréal

Jackie GARNHUM, MRT – Medical Radiation Technologist, Foothills Medical Center, Calgary

Tara GRAHAM, MD, FRCPC – Vascular & Interventional Radiologist, Trillium Health Partners, Mississauga; Lecturer, University of Toronto Faculty of Medicine, Toronto

Adnan HADZIOMEROVIC, MD – Head, Angio and Interventional section, Department of Medical Imaging, The Ottawa Hospital; Associate Professor, University of Ottawa

Ziv J. HASKAL, MD, FSIR FAHA FACR FCIRSE – Professor of Radiology, Dept. of Radiology and Medical Imaging; Editor in Chief, Journal of Vascular and Interventional Radiology, University of Virginia, Charlottesville, VA

Manraj HERAN, MD, FRCPC – Associate Professor, Division of Neuroradiology, Vancouver General Hospital; Head, Section of Pediatric Interventional Radiology, BC Children's Hospital, Vancouver

Jeffrey JASKOLKA, MD, FRCPC – Interventional Radiologist, William Osler Health Centre; Adjunct Professor, U of Toronto

Darren KLASS, MBChB, MD, MRCS, FRCR, FRCPC – Clinical Assistant Professor, University of British Columbia, Division of Interventional Radiology; Medical Head - MRI, VCHA, Vancouver

Gerald LEGIEHN, MD, FRCPC – Clinical Associate Professor, Interventional Radiology, Vancouver General Hospital, University of British Columbia, Vancouver

Michael LOCK, MD, FRCPC, CCFP, FCFP – Chief of Division of Radiation Oncology, Associate Professor Department of Oncology, Associate Professor Department of Biophysics; Research Scientist Lawson Health Research Institute, Staff Radiation Oncologist, London Regional Cancer Program, London

Louis G. MARTIN, MD, FSIR, FACR – Professor, Department of Radiology, Emory University School of Medicine, Atlanta, GA

Amol MUJOMDAR, MD, FRCPC – Interventional Radiologist, Victoria Hospital-LHSC, IR Fellowship Director, Western U.; Associate Professor of Medical Imaging, Oncology, London

Peter MUNK, MD, FRCR, FSIR – Professor of Radiology and Orthopedics, UBC; Section Head, Musculoskeletal Radiology, Vancouver General Hospital, Vancouver

Maxime NOËL-LAMY, MD, FRCPC – Clinical Fellow, Vascular and Interventional Radiology, U. of Toronto

George OREOPOULOS, MD, MSc, FRCS(C) – Program Director, Vascular Surgery Residency Program Postgraduate Surgery Education Director, UHN Vascular Surgery Business Unit Manager, UHN Divisions of Vascular Surgery and Vascular Interventional Radiology, UHN, Toronto

Tony ORFANIDES – Integrated Director, Medical Imaging, London Health Sciences Centre & St Joseph's Health Care, London

Umberto PALA, MRT(T) – Resource Leader, Vascular & Interventional Radiology, Trillium Health Partners, Mississauga

Sachin PANDEY, MD, FRCPC – Assistant Professor of Radiology, University of Western Ontario, London

Charles RAY, Jr., MD, FSIR, PhD – Professor and Chair, Department of Radiology, University of Illinois Hospital and College of Medicine, Chicago, IL

Glenroy ROBERTS, RN, BScN, MMI – Nurse, Medical Imaging department, UHN, Toronto

Marc SAPOVAL, MD, PhD – Head department Vascular and oncological Interventional Radiology, U. Paris Descartes, Hôpital Européen G. Pompidou, Paris, France

Carolyn SIBBICK, RN, MHS – Clinical Manager, Interventional radiology, University Health Network, Toronto

Harneil SIDHU, MMD, FRCPC – Clinical Assistant Professor, University of Alberta, Edmonton

Martin SIMONS, MMD, FRCPC, FSIR – Assistant Professor of Medical Imaging, JDMI UHN/MSH/WCH, U. of Toronto

E. Brooke SPENCER, MD, FSIR – Chairman Radiology and IR, Littleton Adventist Hospital; RIA Endovascular immediate past medical director, affiliations Porter Adventist Hospital, Swedish, Sky Ridge and Aurora Medical centers; Greenwood Village, CO

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

David VALENTI, MD, CM, FRCP – Division Head, Interventional Radiology, McGill University Health Centre; Director IR Fellowship Program, McGill University, Montreal

Jason WONG, MD, FRCPC – 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.

Murad BANDALI
 Colette BARNSTABLE
 Marie BERTRAND
 Annie BILODEAU
 Jane BONK
 Véronique CATY
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Robert ABRAHAM – CEO, CMO, Director, Owner: **ABK Biomedical Inc.** ; Local PI Phase 3 clinical Trial: **BTG Intl**; Royalties: **Cook Inc.**

Robert BEECROFT – Speaker: **Medtronic, BTG**

Errol CAMLIOGLU – Consultant: **Cook Medical**

Ziv HASKAL – Consultant: **Medtronic, Bard Peripheral Vascular, WL Gore, Penumbra**

Manraj HERAN – Moderator, Honorarium: **Penumbra** PEER meetings

Darren KLASS – Consultant, Procter Think Radial: **Merit Medical**

Michael LOCK – Consultant: **Abbvie, Accuray**

Amol MUJOMDAR – Speaker, Honorarium: **Covidien, Medtronic Inc.**

George OREOPOULOS – Consultant: **Cordis**

Charles RAY – Consultant: **Gore Medical, BTG**

Marc SAPOVAL – Consultant: **Merit, Medtronic**

Brooke SPENCER – Scientific speaker, Honorarium: **Boston Scientific**; Consultant: **Volcano Medical**

KT TAN – Proctor: **Cook Medical, Medtronic**; Research studies: **Cook Medical, Medtronic, Biotronic, Bard, Boston Scientific, Hemortemix**; Research grants: **Cook Medical, Covidien**

David VALENTI – Consultant: **Guerbet**

Jason WONG – Consultant, Speaker: **Cook Medical**; Consultant: **Pfizer, Gore**

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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Brooke SPENCER
KT TAN
Jason WONG

Agenda

All 15-40 minutes plenary talks include a 5-minutes period for questions and answers (Question period).

All Workshops are fully interactive (Panel discussion with audience participation).

The Multi-Disciplinary Board consist of a 30-minute didactic segment, followed by 10 minutes of discussion activity with the participants (Expert Encounter & Panel Discussion with Audience Interaction).

Wednesday June 8 2016

7:15 – 8:00 **Breakfast** **Strategy Room 2, 5th Floor**

8:00 – 17:00

Fellows & Residents' Day

Moderator: Peter Collingwood

Strategy Room 3, 5th Floor

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

- Demonstrate complications of common and unusual interventional radiology cases
- Describe new techniques used in common and unusual interventional radiology cases
- Integrate innovative approaches to common and unusual interventional radiology cases

12:00 – 13:00

PICC Lines Course Lunch **Strategy Room 2, 5th Floor**

13:00 – 17:30

PICC Line Introduction Course for Technologists & Nurses

Moderators: Jane Bonk & Mark St. Denis

Strategy Room 1, 5th Floor

16:00 – 19:00

General Registration Open
Foyer Great Room B, 3rd Floor

Thursday June 9 2016

7:00 – 17:00 **Registration Open**

7:00 – 8:00 **Breakfast** **Great Room B, 3rd Floor**

7:15 – 17:00 **Exhibitors** **Great Room B, 3rd Floor**

8:00 – 9:15

Opening Session

Moderator: Jason Wong

Great Room C, 3rd Floor

8:00 – 8:10

Welcome Presentation

Jason Wong

8:10 – 8:50

Embolic Trends for the future

Marc Sapoval

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

- Explain the rationale for resorbable particles
- Identify the potential application of embolization to MSK disorders
- Review the technique and results of embolization in chronic hemorrhoidal bleeding

8:50 – 9:15

CIRA AGM

Darren Klass

9:15 – 9:30

Break in Exhibit Area **Great Room B, 3rd Floor**

9:30 – 10:30

Workshops

Tips & Tricks of IO

Robert Beecroft, David Valenti

Strategy Room 3, 5th Floor

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

- Review pearls & pitfalls useful in clinical practice
- Discuss useful devices in IO
- Discuss patient selection in IO
- Identify suitable interventional oncology therapies for appropriate patients with HCC
- Integrate interventional oncology therapies into clinical practice safely and effectively for patients with hepatic malignancies
- Determine which locoregional therapy (ablation, TACE, Y90) and possible adjunctive techniques best suits certain patients with hepatic malignancies

The Viagra session: Tips and Tricks from the old folks!*Martin Simons, Louis Martin***Strategy Room 2, 5th Floor**

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

- Identify lessons learned from our misadventures
- Integrate new techniques for dealing with complex interventional issues
- Explain some of the pitfalls of IR

Technologists & Nurses: New techniques: Radial access & Pre-nephrectomy embolization*Julie Coudé***Strategy Room 1, 5th Floor**

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

- Describe the basics of these techniques through cases scenarios
- Identify the obstacles of implanting new techniques in a suite
- Construct collaborative discussions revolving around patient care and management of an angio suite

10:30 – 10:45

Break in Exhibit Area**Great Room B, 3rd Floor**

10:45 – 12:00

Debates: I'm right, you're wrong ... or maybe the opposite!*Moderator: Errol Camlioglu***Great Room C, 3rd Floor**

10:45 – 11:05

Catheter directed thrombolysis for submassive PE*Gerald Legiehn, Harneil Sidhu*

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

- Discuss the relationship between clinical presentation, imaging and laboratory studies in arriving at risk stratification in the setting of pulmonary embolus
- Discuss the evidence and current understanding regarding use of catheter directed thrombolysis or intervention for submassive pulmonary embolus
- Discuss evolving indications, contraindications and outcomes and complications in catheter directed intervention for pulmonary embolism
- Stratify different categories of PE

11:05 – 11:25

Radial vs Femoral for IR*Darren Klass, David Valenti*

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

- Describe safety of the transradial access
- Review the benefits of transradial access
- Build a platform for common IR procedures
- Review risks and benefits of each access
- Discuss relevant prior examples
- Discuss when to adopt new technologies, methods

11:25 – 11:45

Can body IR do endovascular stroke therapy?*Manraj Heran, Sachin Pandey*

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

- Identify the key issues involved in delivering endovascular stroke therapy
- Integrate the importance of understanding relevant clinical and diagnostic imaging information in helping determine which patients are best candidates for this therapy
- Recognize the limitations of specific training pathways
- Identify the impact of recent trials of endovascular stroke therapy
- Discuss the technical challenges in performing mechanical thrombectomy
- Integrate the typical complications encountered during thrombectomy

11:45 – 12:00 **Discussions**

12:00 – 13:00

Luncheons**Strategy Room 1, 5th Floor****Strategy Room 2, 5th Floor****Strategy Room 3, 5th Floor****Strategy Room 7, 5th Floor**

13:45 – 15:30

Film Panel & Best cases – That day I should have stayed in bed!*Moderators: Tara Graham, Jason Wong***Great Room C, 3rd Floor**

13:45 – 14:10

Fellows & Residents Day Best Cases*Peter Collingwood*

14:10 – 15:30

IR Difficult Case Panel: Things I wish I did differently (or not at all...)*Marc Sapoval, Brooke Spencer, Ziv Haskal*

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

- Explain how to deal with balloon rupture and embolization of balloon fragment
- Integrate techniques in retrieval of nearly invisible intravascular object
- Discuss the importance of standardization of procedures to minimize complications
- Identify risk factors for vascular rupture and respond clinically

15:30 – 16:00

Break in Exhibit Area**Great Room B, 3rd Floor**

16:00 – 17:00

Workshops**M & M Non Vascular***Peter Collingwood, Manraj Heran***Strategy Room 3, 5th Floor**

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

- Gain familiarity with difficult genitourinary cases
- Gain familiarity with difficult gastrointestinal cases
- Gain familiarity with difficult biliary cases
- Critically review cases and understand where errors in decision-making can be made
- Recognize the benefits/drawbacks of current technology and equipment
- Integrate the value of collaboration and teamwork in minimizing minor and serious adverse events when it comes to non-vascular IR

Tips and Tricks for CLI*KT Tan, Jeffrey Jaskolka***Strategy Room 2, 5th Floor**

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

- Discuss the health economics impact of CLI
- Demonstrate current endovascular techniques for CLI
- Discuss treatment outcomes-expectation in CLI

Technologists & Nurses:**Strategies to improve efficiency and work flow in IR***Glenroy Roberts***Strategy Room 1, 5th Floor**

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

- Identify some obstacles to workflow and efficiency in an interventional radiology unit
- Describe the process for identifying appropriate staffing for IR units
- Distinguish and appraise strategies that could be adopted into their units to improve workflow

18:00 – 19:30

Welcome Reception**Fallsview Studio ABC, 3rd Floor**

Friday June 10 20167:00 – 17:00 **Registration Open**7:00 – 8:00 **Breakfast** **Great Room B, 3rd Floor**7:15 – 17:00 **Exhibitors** **Great Room B, 3rd Floor**8:00 – 9:00 **Workshops****M & M Vascular***KT Tan, Cori Caughlin***Strategy Room 3, 5th Floor**

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

- Demonstrate how «NOT» to do a case
- Demonstrate how to salvage a bad situation
- Demonstrate when to call for help

Pediatric IR for the Adult interventionalists: Tips and Tricks*Josée Dubois, Manraj Heran***Strategy Room 2, 5th Floor**

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

- Identify the procedures performed by the pediatric IR
- Identify the differences between pediatric IR and adult IR
- Recognize the issues in pediatric IR / Improve their practice via tricks

Technologists & Nurses: Interesting IR Cases: Selection, Treatment & Outcomes*Colette Barnstable, Jackie Garnhum, Jason Wong***Strategy Room 1, 5th Floor**

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

- Describe end to end process in term of brief patient history, decision to treat patient in IR, results, patients follow up
- Discuss anatomy complexities and treatment, patient care during case (RN component)
- Review cases, discussing imaging techniques, supply selection
- Facilitate patients questions at the end

9:00 – 9:15

Break in Exhibit Area**Great Room B, 3rd Floor**

9:15 – 10:30

Vascular Multi-Disciplinary Board **Great Room C, 3rd Floor***Moderator: KT Tan*

9:15 – 9:55

Vascular Multi-Disciplinary Board*Jeffrey Jaskolka, Brooke Spencer, Darren Klass, George Oreopoulos, Ziv Haskal*

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

- Demonstrate clinical benefits of vascular MDT meeting
- Discuss open and surgical options for vascular diseases
- Discuss difficult and complex vascular scenarios and approach to treatment

9:55 – 10:15

All about TIPS*Ziv Haskal*

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

- Describe the results of varying endovascular approaches to gastric varices
- Discuss the results of large scale trials for shunt creation and outcome
- Define current trend in image guidance for shunt creation

10:15 – 10:30

A Vascular Surgeon's perspective on the updated TASC II guidelines*George Oreopoulos*

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

- Discuss the selection of patients for PVD intervention
- Describe the impact of updated TASC II guidelines on a vascular surgeon's treatment recommendations

10:30 – 10:45

Break in Exhibit Area**Great Room B, 3rd Floor**

10:45 – 12:00

Embolization Session**Great Room C, 3rd Floor***Moderator: Tara Graham*

10:45 – 11:05

Onyx outside the brain*Marc Sapoval*

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

- Describe the use of liquid embolics
- Describe the role of Onyx in the treatment of endoleaks
- Master the basics tips and tricks of using Onyx

11:05 – 11:25

Update and future directions in treatment of benign prostatic hyperplasia by embolization*Marc Sapoval*

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

- Better assess the need for PAE in patients with both some LUTS related to BPH
- Discuss with urologists on the current indications for PAE
- Master the anatomy of the prostatic arteries

11:25 – 11:45

Outpatient UFE*Martin Simons*

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

- Establish program requirements for an effective outpatient UFE program
- Identify mechanisms to ensure facile admission when necessary
- Recommend medication protocols to provide adequate analgesia in the outpatient setting

11:45 – 12:00

“Show the panel” case(s)*Tara Graham*

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

- Discuss various cases of embolization cases

12:00 – 13:00 **Luncheons****Strategy Room 1, 5th Floor****Strategy Room 2, 5th Floor****Strategy Room 3, 5th Floor****Strategy Room 7, 5th Floor**

13:45 – 15:30

Clinical Session: what's that all about?*Moderator: Amol Mujoomdar***Great Room C, 3rd Floor**

13:45 – 14:00

How to advocate for resources in IR*Carolyn Sibbick*

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

- Explain the role of an Operational Manager in IR and the fiscal challenges faced
- Detect current and future challenges in IR
- Describe possible strategies in advocating for resources in IR

14:00 – 14:15

How to advocate for resources in IR*Tony Orfanides*

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

- Interpret data to understand where growth pressures are arising from in interventional radiology today
- Delineate better models between interventional radiology and other departments to manage future growth
- Advocate at senior levels more resources to fund future growth in interventional radiology

14:15 – 14:45

Roundtable discussions*Amol Mujoomdar*

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

- Discuss how to manage administration issues

14:45 – 15:05

Admitting patients in IR – lessons learned and tips for success*Amol Mujoomdar*

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

- State the benefits of an inpatient IR service
- Manage common post-procedural symptoms
- Identify the barriers to admitting patients and demonstrate solutions

15:05 – 15:30

Hurdles overcome: setting up an outpatient IR clinic*Harneil Sidhu*

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

- Summarize established rationale and methods for clinical practice building in IR literature
- Describe some of the necessary groundwork required prior to establishing a clinical practice
- Describe the 4 essentials requirements for a successful IR practice

15:30 – 16:00

Break in Exhibit Area**Great Room B, 3rd Floor**

16:00 – 17:00 **Workshops****Exploring the Dark side of dialysis:
IR force awakens to take on Darth Cath***Adnan Hadziomerovic, Véronique Cathy***Strategy Room 3, 5th Floor**

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

- Discuss options for placement of dialysis catheters in patients with central venous occlusions
- Learn how to perform sharp recanalization of central venous occlusion
- Become familiar with common IR tools that can be used for complex dialysis cases

**Lymph, Vein, Artery or all:
Case-based treatment of vascular malformations***Gerald Legiehn, Josée Dubois***Strategy Room 2, 5th Floor**

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

- Determine how to approach venous malformations, lymphatic malformations and complex AVM/AVF
- Select the appropriate sclerosing agents depending on the type of malformations
- Recommend how and when to proceed
- Implement the appropriate follow-up plan

**Technologists & Nurses:
Renal Dialysis Access & Intervention***Umberto Pala***Strategy Room 1, 5th Floor**

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

- Define and understand renal dialysis and its complications
- Identify and compare different types of renal dialysis access and procedures
- Explain the different interventions involved in managing renal access

Saturday June 11 20167:30 – 13:00 **Registration Open**7:30 – 9:00 **Breakfast****Great Room B, 3rd Floor**8:00 – 11:00 **Exhibitors****Great Room B, 3rd Floor**

09:00 – 10:40

"Our Future!" Session*Moderator: Harneil Sidhu***Great Room C, 3rd Floor**

09:00 – 09:20

Regenerative Medicine in PVD*Maxime Noël-Lamy*

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

- State the main physiologic concepts in regenerative medicine for PVD and how research evolved in the past
- Identify the potential role of cell-based therapies in critical limb ischemia with no revascularization option
- Describe the current state of research in cell-based therapies for critical limb ischemia

09:20 – 10:00

What the future holds for IR*Charles Ray*

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

- Discuss the role of interventional radiology to medicine in general
- Recognize the future growth areas for interventional radiology
- Explain the importance of the value proposition for interventional radiology in the changing health care system

10:00 – 10:20

What have you been up to, CIRA?*Bob Abraham*

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

- Summarize how she/he can be involved in the membership
- Identify the recent activities of CIRA
- Describe future CIRA initiatives

10:20 – 10:40

The future in DVT treatment*Brooke Spencer*

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

- Discuss the importance of ankle access and how to perform this well
- Explain techniques for treating chronic obstructions
- Assess the need for intravascular ultrasound in the treatment of DVT

10:40 – 11:10

Break in Exhibit Area**Great Room B, 3rd Floor**

11:10 – 13:00

Oncology Session*Moderator: David Valenti***Great Room C, 3rd Floor**

11:10 – 11:30

Back to University, Oncology 101: understanding the jargon and data*Michael Lock*

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

- Review the fundamentals of oncology-just the facts
- Discuss clinical trial design-just the jargon
- Review new treatments-just the big picture

11:30 – 12:00

Interventional Oncology – Personalized Medicine*Errol Camlioglu*

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

- Describe personalized medicine and biomarkers
- Realize Interventional Radiology's role in biopsy-driven studies
- Identify current and future goals

12:00 – 12:20

Imaging guided Management of painful skeletal metastatic disease*Peter Munk*

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

- Review the clinical indications for imaging guided treatment of metastases
- Describe the technical considerations in performing thermal ablation and cementation procedures
- Analyze potential complications of percutaneous procedures and how these modify the treatment plan

12:20 – 12:40

SBRT for HCC: a primer for IRs*Michael Lock*

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

- Identify indications for radiation treatment and describe the radiation treatment process
- Describe the data regarding sequencing of radiation and other radiological treatments such as TACE
- Describe the normal and abnormal imaging changes post stereotactic body radiation (SBRT) of liver

12:40 – 13:00

“Show the panel” case(s)*David Valenti*

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

- Discuss various cases of oncology cases

Closing Remarks*Tara Graham, Amol Mujoomdar & Jason Wong*

**Don't forget to fill out
your evaluation form.**



Canadian Interventional Radiology Association
Association canadienne de radiologie d'intervention

Join us for CIRA 16th Annual Meeting

Montréal June 1-3 2017

Le Westin Montréal

Looking forward to having you back!



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