

17th CIRA Annual Meeting in collaboration with the CAMRT

May 31 - June 2, 2018

MRT's & RN's Sessions start on May 30th PM

*** new this year ***

Fellows & Residents Day: May 30st
(by invitation only)

MRT's & RN's Half Day Activity: May 30st AM
(separate registration is required)

CIRA

CANADIAN INTERVENTIONAL
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www.ciraweb.org

OBJECTIVES OF THE SEMINAR

Welcome to Calgary!

The CIRA 2018 Annual meeting brings us to Western Canada and the beautiful city of Calgary, Alberta. As in previous years, the scientific committee has strived to deliver a comprehensive, evidence-based and engaging program that appeals to the range of IR practices across Canada. The meeting will offer a diversity of topics, range of learning environments and access to expert faculty and national/international leaders in the specialty.

The program reflects the breadth of Interventional Radiology practice in Canada, with topics pertinent to both academic and community-based practices. As in previous years, we are honored to welcome international guest speakers whose expertise are an invaluable contribution to our program content as well as the relationship-building opportunities that make the CIRA meeting a unique experience.

New plenary sessions will focus on the development of clinical IR programs, including building an Interventional Oncology practice as well as Pulmonary Embolism Response Teams (PERT). We are also excited to introduce our "Rapid Fire" sessions which will focus on succinct reviews of new technologies and practice changes in select disease states with this year highlighting aortic intervention. Our speakers will also explore the latest evidence in venous, peripheral vascular disease and techniques in Interventional Oncology.

Back by popular demand is our session featuring our guest speakers' best and most difficult cases. We also have constructed a duo of "Multidisciplinary Panel Case Presentations" which will focus on dialysis interventions and management of hepatocellular carcinoma. These sessions simulate real-life situations and help our members enhance complex decision-making in their own practice. We have also prepared an exciting debate session where our members can vote for the IR who best argues for-or-against a 'hot topic' in Interventional radiology.

This year CIRA has partnered with the Canadian Association of Medical and Radiation Technologists (CAMRT) which expands the MRT portion of our program in an exciting new joint venture. Along with our RN members, this portion of the program will explore procedures, interventions and patient care from the perspective of these vital members of the Interventional Radiology practice.

Finally, the CIRA board is also excited to present the 'CIRA award' at this meeting. This award recognizes a member of our association that has advanced the practice of IR on both a national and international stage. We hope you will join us in celebrating the accomplishments of a true IR visionary.

On behalf of the CIRA board, we hope our attendees will enjoy the program, the CIRA experience and the beautiful city of Calgary.

*Dr. Tara Graham, Dr. Jason Wong & Dr. Amol Mujoomdar
Program Chairs*

LEARNING OBJECTIVES

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

1. Review approaches and techniques in venous interventions from worldwide experts
2. Discuss the advantages and disadvantages of increasing the clinical side of an interventional practice
3. Review strategies in starting and growing a successful community Interventional Oncology Practice
4. Discuss the benefits, barriers and steps necessary to starting a Pulmonary Embolism Response Team
5. Review new techniques in dialysis intervention
6. Discuss the evolving role of IO in metastatic disease including transarterial, ablation and immune therapy
7. Discuss and review the multidisciplinary management of hepatocellular HCC
8. Review the business-side of health care and why it is important to the practice of interventional radiology
9. Review the current state of the Royal college IR residency program
10. Review the important clinical trials and papers in endovascular management of venous thrombosis
11. Discuss the indications, techniques and results of prostate artery embolization
12. Review new devices and approaches to TEVAR and treatment of type B aortic dissection
13. Review best evidence for drug elution technology and atherectomy devices in the treatment of peripheral vascular disease
14. Discuss the management of chronic and critical limb ischemia through a case-based workshop
15. Exchange opinions and experience in challenging cases through workshops, debates and panel cases



GUEST SPEAKERS



Alda Tam

Alda Tam is an Associate Professor and Clinical Medical Director in the Department of Interventional Radiology at the University of Texas M.D. Anderson Cancer Center. She received a BSCh from Brown University and her MD from the University of British Columbia. She completed a

diagnostic radiology residency and MBA at the University of Southern California, and a fellowship in Vascular and Interventional Radiology at the University of Texas M.D. Anderson Cancer Center. She is an active interventional oncologist with involvement in both translational research and clinical trials. Her clinical interests include the treatment of bone metastases, minimally invasive palliative therapies, and optimizing biopsy yield for clinical trials. Her research interests include exploring novel ablative technologies in combination with nanotechnology for the treatment of bone metastases. She is an inducted fellow of the Society of Interventional Radiology (SIR) and the current Division Councilor who directs the development of standards and guidelines.



James F. Benenati

James F. Benenati is a practicing Interventional Radiologist, Medical Director, Noninvasive Vascular Laboratory and Fellowship Program Director at the Miami Cardiac & Vascular Institute at Baptist Hospital in Miami, Florida.

He is a Clinical Professor of Radiology at Florida International University College of Medicine and Associate Professor of Radiology at the University of South Florida College of Medicine. He is past President of SIR. He served as President of the Vascular Division for the Intersocietal Accreditation Committee (IAC) and served for over a decade on their board. He served as the annual meeting chairman for SIR in 2005. He was the recipient of the SIR Charles T. Dotter Award in 2014.

He has participated in numerous clinical research projects and national trials. His interest include peripheral arterial disease, abdominal aortic aneurysm and management of pulmonary embolism. He has authored and co-authored more than 100 scientific publications. He has been a Program Director of ISET for over 20 years.

He attended the University of Notre Dame as an undergraduate, received his medical degree from the University of South Florida College of Medicine, completed a residency in Diagnostic Radiology at Indiana University and a fellowship at Johns Hopkins.



Scott O. Trerotola

Scott O. Trerotola is the Stanley Baum professor of radiology and professor of radiology in surgery at the University of Pennsylvania School of Medicine in Philadelphia, where he is also Associate Chair and Chief of Interventional Radiology as well as Vice Chair for Quality and Safety.

Dr. Trerotola pursues research in hemodialysis and venous access, IVC filters and PAVM embolotherapy, among other topics. He holds eight patents on devices for interventional procedures. He has developed multiple techniques in widespread use in IR including balloon-assisted placement of large bore gastrostomy, ultra-high pressure angioplasty,

forceps removal of inferior vena caval filters, and backbleeding treatment for arterial emboli during dialysis declotting to name but a few.

Dr. Trerotola is a strong advocate of research in IR and evidence-based practice, an increasingly important focus as health care reform develops: among his more than 250 research and educational publications are multiple prospective randomized trials. He has mentored over 40 medical students and 25 residents in research publications.

Dr. Trerotola has received tremendous recognition for his achievements, including awards for teaching, distinction in reviewing and for patient advocacy. He has given invited lectures worldwide, including the inaugural Man-Chung Han lecture to the Korean Society of Cardiovascular and Interventional Radiology, and in 2015 he gave the Society of Interventional Radiology's Dotter lecture.



Suresh Vedantham

Suresh Vedantham is a Professor of Radiology & Surgery and Assistant Dean for Clinical Research at the Washington University School of Medicine in St. Louis, is an experienced Interventional Radiologist who specializes in the delivery and clinical investigation of image-guided therapies for venous

thromboembolism (VTE). Dr. Vedantham serves as National Principal Investigator of the NHLBI-sponsored ATTRACT and C-TRACT Trials, which are rigorously evaluating the role of endovascular interventions in patients with DVT. Dr. Vedantham is also currently the President of the Society of Interventional Radiology. He is recognized as a highly collaborative leader of multidisciplinary endeavors aimed at improving the care of venous thrombosis, and has served on the executive boards of the American College of Phlebology, American Board of Phlebology, American Venous Forum, Vascular Disease Foundation, and Venous Disease Coalition. In 2008, Dr. Vedantham was publicly thanked by the U.S. Surgeon General for his leadership in bringing together the broader community of providers and patients around DVT.

2018 CIRA AWARD WINNER



David M. Liu

CIRA is proud to announce Dr. David Liu as the recipient for the CIRA award for 2018.

This award is given to an individual for distinguished and extraordinary service and accomplishments to Canadian Interventional Radiology. Dr. David M. Liu MD is an Interventional Radiologist and Clinical Professor of Radiology at the University of British Columbia. He is board certified in both Canada and the US, and holds appointments at the Vancouver General Hospital, University of British Columbia Hospital and the BC Cancer Agency with a cross appointment in the Department of Surgery. Dr. Liu received his medical degree from University of Toronto, completed his radiology residency at University of British Columbia, and Interventional Radiology fellowship at Northwestern Memorial Hospital, and has practiced on both sides of the border. In addition to bedside and clinical research in the fields of novel embolic platforms, ablative technologies and cancer related thromboembolic disease, Dr. Liu maintains an active clinical practice incorporating aspects of embolization, ablation, venous access, and palliative therapy in all organ systems. He is the co-founder and co-chair of SHOW (multidisciplinary meeting on hepatic oncology), and has been credited with 6 book chapters, over 60 publications, and 100 invited lectures. Internationally recognized as a leader in interventional oncology, he is an active member and inducted fellow of the Society of Interventional Radiology. He holds specific interest in the treatment of hepatocellular carcinoma, and metastatic colorectal carcinoma and is actively involved in both translational research and clinical trials.

Congratulations to Dr. Liu on this award.

MRT & RN ACTIVITY

Wednesday May 30th from 9:00 to 12:30

Hands on Guide to Interventional Radiology

**** Separate registration is required ****

FELLOWS & RESIDENTS DAY

Wednesday May 30th from 8:00 to 17:30

**** By invitation only ****

ANNUAL MEETING PROGRAM

All 15-40 minutes plenary talks include a 5-minute period for Questions and Answers (Question period). All workshops consist of a 45-minute didactic segment, followed by 15 minutes of discussion activity with the participants (Panel discussion with audience participation). The Multi-Disciplinary Board is fully interactive (Expert Encounter & Panel Discussion with Audience Interaction).

WEDNESDAY MAY 30

**** For Technologists and Nurses only ****

13:30 – 14:30

Morbidity & Mortality

Jason Wong

15:00 – 17:00

Table Topic Discussions

Moderators: Jane Bonk, Mark St Denis

MRT's and RN's from across Canada

THURSDAY MAY 31

**** For all attendees ****

07:50 - 09:00

Opening talk

Roseline Carter

IR in 2025

Suresh Vedantham

9:30 – 10:30

Workshops

1. Viagra Session: tips & tricks from the old folks

Darren Ferguson, Peter Collingwood

2. Venous Interventions from the experts

Suresh Vedantham, James Benenati

3. Techs & Nurses: Dialysis

Jenn Watson

10:45 – 12:00

Clinical Session

Moderator: Amol Mujoomdar

- How I started a community IO practice

Chris Wall

- Royal College update

Stephen Ho

- How to start a PERT program

James Benenati

- The business of healthcare, why it's important to be involved

Darren Ferguson

- CIRA Annual General Meeting

Darren Klass

- Discussions

12:00 – 13:15

Lunch

13:30 – 15:30

"My best and worst day in the angio suite – Lessons learned in the trenches"

Moderator: Tara Graham

- CIRA Award – Dave Liu

Jason Wong

- Fellows & Residents Best Cases

Peter Collingwood

- CIRA Update

Jason Wong

- Case discussions from the 4 guest speakers

James Benenati, Alda Tam, Scott Trerotola,

Suresh Vedantham

- Discussions

16:00 – 17:00

Workshops

1. M&M vascular and non-vascular

Cori Caughlin, Peter Collingwood

2. Interventional Oncology

Alda Tam, David Liu

3. Techs & Nurses: Patient Care and sedation

Stephen Ho

18:00 – 19:30

Opening cocktail

FRIDAY JUNE 1

8:00 – 9:00

Workshops

1. Chronic Limb Ischemia: case-based approach

Jim Benenati, Jeff Jaskolka

2. Embolization pot-pourri

Scott Trerotola, KT Tan

3. Techs & Nurses: MAID and The Interventional Radiologist: Issues and Perspectives

James Silvius

9:15 – 10:25

IO Session

Moderator: Amol Mujoomdar

- Evolving role of IO in metastatic CRC

Alda Tam

- Transarterial therapy or metastatic NET

David Liu

- Ablation and immune therapy: current status & future implications

Alda Tam

- Discussions

10:40 – 12:00

Dialysis Multidisciplinary Board

Moderator: Adnan Hadziomerovic

- What's new in dialysis intervention

Scott Trerotola

- Multidisciplinary Panel: Vascular access and AV fistula/graft intervention

Scott Trerotola, Dheeraj Rajan, Jennifer

MacRae, Keith Baxter

- Discussions

12:00 – 13:15

Lunch

13:30 – 15:00

HCC Multidisciplinary Board

Moderator: David Valenti

- Multi-Disciplinary Panel: HCC

David Liu, Alda Tam, Kelly Burak, Oliver

Bathe, Shaun Loewen

- Discussions

15:30 – 17:00

Workshop

Moderators: John Kachura, Stefan Przybojewski

- Jeopardy film panel

SATURDAY JUNE 2

9:00 – 10:10

Venous and Arterial Session

Moderator: Jeff Jaskolka

- Randomized trials for venous thrombosis

Suresh Vedantham

- Rapid fire – What's new in TEVAR

Vamshi Kotha

- Rapid fire – Treatment of Type B AD

Darren Klass

- Lots of tools out there: what is the best evidence for drug elution, atherectomy, etc for SFA disease

TBC

- Prostate artery embo : A primer for IR and how I do it

Oliver Halliwell

10:35 – 12:00

Debate Session

Moderator: TBC

- Treatment of small HCC: resection versus ablation

John Kachura, Oliver Bathe

- PAE vs Turp for treatment of BPH

Oliver Halliwell, Brian Donnelly

- Should IR docs continue to evolve into "clinicians" or stay the role of "hired gun"

Marty Simons, Brian Hardy

- Discussions

LIST OF SPEAKERS

Oliver **BATHE**, MD, FRCSC, FACS
Professor, Surgery and Oncology,
University of Calgary; Leader, Provincial
Gastrointestinal Tumour Team, Calgary

Keith **BAXTER**, MD MSc FRCSC
Clinical Instructor and Head, University
of British Columbia Vascular Surgery
Head, General Hospital Vascular Surgery,
Vancouver

James **BENENATI**, MD
Medical Director of the Non Invasive
Vascular Laboratory Miami Cardiac and
Vascular Institute Clinical Professor of
Radiology Florida International University
School of Medicine, Miami

Kelly W. **BURAK**, MD, FRCPC, MSc (Epid)
Professor, Departments of Medicine and
Oncology Director, Southern Alberta
Liver Transplant Clinic Cumming School of
Medicine University of Calgary

Roseline **CARTER**
Director of Programs, Calgary Sexual
Health Centre, Calgary

Cori E. **CAUGHLIN**, MD, FRCPC
Interventional Radiologist University of
Calgary

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

Darren B. **FERGUSON**, MD, FRCPC, RVT
Associate Professor, Dalhousie University.
Divisional Head, Vascular & Interventional
Radiology, Saint John Regional Hospital
(SJRH), Section Representative, New
Brunswick Medical Society (NBMS),
President, New Brunswick Association of
Radiologists, Saint John's

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

Adnan **HADZIOMEROVIC**, MD, FRCPC
Head, Vascular and Interventional
Radiology Dept. of Medical Imaging,
The Ottawa Hospital Assistant Professor,
University of Ottawa

Oliver **HALLIWELI**, MBBS, MRCS, FRCR
Vascular and International Radiologist,
Peter Loughheed Center, Rockyview General
Hospital, South Health Campus, Calgary

Brian **HARDY**, MD
Head, Sections of Adult and Interventional
Radiology Health Sciences Centre, Winnipeg

Stephen G.F. **HO**, MD, FRCPC
Clinical Professor University of British
Columbia Medical Head, Division of
Interventional Radiology Department of
Radiology, VCHA – Vancouver Acute Dept
of Radiology, VGH, Vancouver

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

John **KACHURA**, MD, FRCPC, FSIR
Vascular and Interventional Radiologist,
University Health Network and Mount
Sinai Hospital; Associate Professor,
Department of Medical Imaging, U. of
Toronto; VIR Fellowship Supervisor, UHN/
MSH and U. of Toronto

Darren **KLASS**, MBChB, MD, MRCS, FRCR,
FRCPC
Clinical Associate Professor Interventional
Radiology Medical Head – MRI, Vancouver

Tan **KT**, MD, FRCS, FRCR, FRCPC Associate
Professor Head Vascular and Interventional
Radiology, University Health Network and
Mount Sinai Hospital, Toronto

Vamshi **KOTHA**, MD
Clinical Assistant Professor, Cardiovascular
and Interventional Radiology, Foothills
Medical Centre; Cumming School of
Medicine; University of Calgary

David M. **LIU**, MD, FRCPC, FSIR Vancouver
Imaging and EVA Vein Care Clinical
Professor University of British Columbia,
Vancouver

Shaun **LOEWEN**, BSc(Hons) MD PhD
FRCPC DABR
Radiation Oncologist, Tom Baker Cancer
Centre Director, Radiation Oncology
Residency Training Program - University of
Calgary Clinical Assistant Professor,
Department of Oncology, University of
Calgary

Jennifer **MACRAE**, MSc MD FRCPC
Associate Professor Medicine, Division of
Nephrology, Cumming School of Medicine,
University of Calgary; Medical Director of
Hemodialysis, Renal Program Southern
Alberta, Calgary

Amol **MUJOOMDAR**, MD, FRCPC
Interventional Oncologist and Radiologist
LHSC-Western University, London

Stefan **PRZYBOJEWSKI**, MBChB
Interventional Radiologist, Foothill's
Medical Center Clinical Assistant Professor,
University of Calgary

Dheeraj **RAJAN**, MD, FRCPC, FSIR
Professor of Radiology, U of Toronto;
Division Head, VIR, U of Toronto

Marty **SIMONS**, MD, FRCPC, FSIR,
Assistant Professor Of Medical Imaging,
JDMI UHN, MSH, WCH,
University of Toronto

Alda **TAM**, MD, MBA, FRCPC, FSIR
Associate Professor & Clinical Medical
Director, Department of Interventional
Radiology, University of Texas MD
Anderson Cancer Center, Texas U.S

Scott **TREOTOLA**, MD, FACR, FSIR
Associate Chair and Chief of Interventional
Radiology, Vice Chair for Quality and
Safety, Professor of radiology, Professor
of radiology in surgery, University
of Pennsylvania School of Medicine,
Philadelphia

David **VALENTI**, MDCM, FRCPC
Division Head, Interventional Radiology,
McGill University Health Centre; Director
IR Fellowship Program, McGill University,
Montreal

Suresh **VEDANTHAM**, M.D.
Professor of Radiology & Surgery
Mallinckrodt Institute of Radiology
Assistant Dean for Clinical Research
Medical Director, Center for Clinical Studies
Washington University School of Medicine,
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Chris **WALL**, MD FRCPC
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Jennifer **WATSON**, BSc, BN, RN, Cneph
Clinical Nurse Educator FMC Unit
37 – Nephrology/Transplant Southern
Alberta Renal Program/Southern Alberta
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Jason **WONG**, MD, FRCPC, FSIR
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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.

This group learning activity has been accredited for Category A credits for Technologists with the Canadian Association of Medical Radiation Technologists.

HOTEL RESERVATION

A special rate has been negotiated with The Westin Calgary at \$225/night (plus taxes).

To make your hotel reservation, please follow the link posted on www.ciraweb.org (you have to be registered for the meeting to make a reservation).

REGISTRATION

Please visit our website (www.ciraweb.org) to register for the meeting.

Before or on April 6th, 2018

Full Meeting Registration Fees (+ applicable taxes)

Physician Member \$575

Fellow/Nurse/Tech Member \$395

Resident Member \$275

Physician Non Member \$900

Fellow/Nurse/Tech Non Member \$475

Resident Non Member \$350

After April 6th, 2018

Full Meeting Registration Fees (+ applicable taxes)

Physician Member \$680

Fellow/Nurse/Tech Member \$445

Resident Member \$305

Physician Non Member \$1000

Fellow/Nurse/Tech Non Member \$500

Resident Non Member \$425

RN & MRT Course

(for Technologists & Nurses only)

Wednesday May 30th 2018: 9:00 - 12:30

Member \$65 (+ applicable taxes)

Non members \$95

Medical students!! You can attend the CIRA Meeting free of charge, as long as you are a CIRA Member (also free!!) Visit Us online!

One-day registration is also available on the website.

Cancellation Fees Policy

30 days or more before the event: Administration fees of \$25 + txs

7 days or more before the event: 50% of registration fees + txs

Less than 7 days before event: No refund