17th CAIR Annual Meeting
in collaboration with the CAMRT
May 31 – June 2, 2018

Wednesday, May 30:
MRT&RN TRAINING ACTIVITY: am
MRT&RN SPECIAL SESSION: pm
FELLOWS AND RESIDENTS DAY: all day

The Westin Calgary
www.cairweb.ca
CAIR formerly CIRA
Welcome to Calgary!

The CAIR 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 CAIR 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 CAIR has partnered with the Canadian Association of Medical 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 CAIR Board is also excited to present the CAIR 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 CAIR Board, we hope our attendees will enjoy the program, the CAIR experience and the beautiful city of Calgary.

Dr. Jason Wong, Dr. Amol Mujoomdar & Dr. Tara Graham
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

CME Credits
This group learning activity has been accredited for Section 1 Credits and Section 3 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 CAIR (formerly CIRA) Annual Meetings.
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 Councillor 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 CAIR AWARD WINNER

David M. Liu
CAIR is proud to announce Dr. David Liu as the recipient for the CAIR 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 benchside 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.
ONSITE INFORMATION

Registration Desk Hours

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<tr>
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<td>May 31</td>
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<td>Friday</td>
<td>June 1</td>
<td>7:00 – 17:00</td>
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<td>Saturday</td>
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<td>7:30 – 12:00</td>
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Exhibit Hall Hours

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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

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WE WOULD LIKE TO THANK ALL THE EXHIBITORS

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LIST OF SPEAKERS

Karen ARKLE, MRT(R), Vascular and Interventional Radiologists of Northern Alberta, Edmonton

Arlene AVENADO, VA Nurse, Foothills Medical Center, Calgary

Oliver BATHÉ, MD, FRSCC, FACS
Professor, Surgery and Oncology, University of Calgary; Leader, Provincial Gastrointestinal Tumour Team, Calgary

Keith BAXTER, MD MSc FRCS
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

Jane BONK, MRT
Lakeridge Health, Oshawa

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

Cheryl CARLETON, VA Nurse, Foothills Medical Center, Calgary

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

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

Shannon COLEMAN, Clinical Educator, Interventional Radiology, General Hospital, Vancouver

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

Julie COUDÉ, MRT
Angiography technologist Coordinator, CISSS des Laurentides, Mirabel

Bryan DONNELLY, M.Ch., M.Sc., F.R.C.S.C
Urologist, Southern Alberta Institute of Urology, Calgary

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

Andrew FIGUEIRA, MRT (II)
Interventional Radiology, Foothills Medical Center, Calgary

Jonathan GALLOWAY, MRT
Regional Hospital, 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 HALLIWELL, MBBS, MRCS, FRCP
Vascular and Interventional Radiologist, Peter Lougheed Centre, 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

Sarah HOFFMAN, Alberta Health Minister

Jeffrey JASKOLKA, MD, FRCPC
FRCP 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 KЛАSS, MBChB, MD, MRCS, FRCP, 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

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 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 MUJOMDAR, MD, FRCPC
Interventional Oncologist and Radiologist LHSC-Western University, London

Gregory POWELL, MD, OC
University of Calgary

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

Mark SAINT DENIS, MRT
University Health Network, Toronto

James SILVIUS, BA(Oxon), MD, FRCPC
Provincial Medical Director, Seniors Health, Community Seniors Addictions & Mental Health Senior Medical Director, Seniors Health Strategic Clinical Network, Calgary

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

Beverly SLATER, RN
Foothills Medical Center, Calgary

Marlene SULLIVAN, VA Nurse, Foothills Medical Center, Calgary

Jessie SZAREK, MRT, CIR, Credit Valley Hospital, Toronto

Aida TAM, MD, MBA, FRCPC, FSIR
Associate Professor & Clinical Medical Director, Department of Interventional Radiology, University of Texas MD Anderson Cancer Center, Houston

Scott TREROTOLA, 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, MD, 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, Washington

Chris WALL, MD FRCPC
Dept. head, Interventional Radiology St. Paul’s Hospital, Saskatoon

Jason WONG, MD, FRCPC, FSIR
Clinical Associate Professor Cardiovascular and Interventional Radiology Foothills Medical Centre Cumming School of Medicine University of Calgary

Responsible: Libby Hornby

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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.

Karen ARKLIE  
Arleen AVENADO  
Jane BONK  
Cheryl CARLETON  
Corie CAUGHLIN  
Shannon COLEMAN  
Peter COLLINGWOOD  
Julie COUDÉ  
Bryan DONNELLY  
Darren FERGUSON  
Andrew FIGUEIRA  
Jonathan GALLOWAY  
Brian HARDY  
Stephen HO  
Vamshi KOTHA  
Saun LOEWEN  
Jennifer MACRAE  
Stefan PRZYBOJEWSKI  
James SILVIUS  
Marty SIMONS  
Beverly SLATER  
Marlene SULLIVAN  
Jessie SZAREK  
Chris WALL

The following speakers stated that they do have or have had a relationship with a healthcare company or organization (pharmaceutical, equipment, research, etc.) in the past 24 months.

Oliver BARTHE – Amgen, Celgen, Gemonic Health, Teva Pharmaceutical, Johnsen&Johnson  
Keith BAXTER – Cook Medical, Bard  
James BENENATI – Abbott Vascular, Penumbra, Scientia, XableCath  
Andrew BENKO – Medtronic, Cordis, Soundbite Medical, Boston Scientific  
Kelly BURAK – Bayer, Lupin  
Adnan HADZIMEROVIC – Boston Scientific, Cook Medical, J&J  
Oliver HALLIWELL – Boston Scientific, Medtronic  
John KACHURA – Celsion  
Darren KLASS – Merit Medical, Liva Nova, Philips, Surefire Medical, Cook Medical, Biolife  
Tan KT – Cook Medical, Gore, Bard, Boston, Medtronic  
Dave LIU – Medtronic, Sevier Pharma, BTG Plc, Sirtex Medical, Surefire  
Amol MUJOOMDAR – BTG, LivaNova, Medtronic  
Deeraj RAJAN – Gore, Bard, TVA Medical  
Alda TAM – AngioDynamics Inc, Guerbet, LLC, Galil Medical, Merit Medical, AbbVie, Siemens,  
Scott TREROTOLA – Bard, MedComp, B Braun, Cook, Teleflex, WL Gore, Lutonix  
David VALENTI – XACT Robotics, BTG  
Suresh VEDANTHAM – Cook Medical  
Jason WONG – Cook Medical, Boston Scientific
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.

Karen ARKLIE  
Arleen AVENADO  
Jane BONK  
Cheryl CARLETON  
Corie CAUGHLIN  
Shannon COLEMAN  
Peter COLLINGWOOD  
Julie COUDÉ  
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Adnan HADZIMEROVIC  
Jeff JASKOLKA  
Dave LIU  
David VALENTI  
Suresh VEDANTHAM
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**

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:00 – 17:00</td>
<td>Fellows &amp; Residents Day &lt;br&gt; Moderators: Peter Collingwood, Bob Cook</td>
<td>Bow Valley (Lower Level)</td>
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<tr>
<td>9:00 – 12:30</td>
<td>MRT &amp; RN Activity &lt;br&gt; Opening Welcome &lt;br&gt; Moderators: Mark StDenis, Jane Bonk</td>
<td>Nakiska (Lower Level)</td>
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<tr>
<td>9:00 – 09:05</td>
<td>Opening Welcome &lt;br&gt; Moderators: Mark StDenis, Jane Bonk</td>
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<tr>
<td>09:05 – 09:25</td>
<td>Lecture on Aseptic Technics &lt;br&gt; Josee Roy</td>
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<tr>
<td>09:25 – 09:45</td>
<td>Lecture on Ultrasound &lt;br&gt; Sarah Smees</td>
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<tr>
<td>09:50 – 10:30</td>
<td>Hands-on: Ultrasound &lt;br&gt; Sarah Smees</td>
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<td>10:30 – 10:45</td>
<td>Break</td>
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<tr>
<td>10:45 – 11:25</td>
<td>Hands-on: Virtual Simulator and IR devices &lt;br&gt; Mandy Moores, Jeff Cochran</td>
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<tr>
<td>11:30 – 12:10</td>
<td>Hands-on: Aseptic Technics &lt;br&gt; Josee Roy</td>
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<tr>
<td>12:15 – 12:30</td>
<td>Q&amp;A Morning Wrap-up</td>
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<tr>
<td>12:30 – 13:30</td>
<td>Lunch</td>
<td>Eau Claire</td>
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<tr>
<td>13:30 – 14:30</td>
<td>The thrill of victory, the agony of defeat. A focus on M&amp;M cases. &lt;br&gt; Jason Wong</td>
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<td>14:30 – 15:00</td>
<td>Break</td>
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<td>15:00 – 17:00</td>
<td>Table Topic Discussion: MRTs and RNs from across Canada &lt;br&gt; Karen Arklie, Julie Coudé, Jessie Szarek, Jonathan Gallaway, Shanon Coleman, Andrew Figueira, Beverly Slater</td>
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### THURSDAY MAY 31

**For all attendees**

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<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>07:50 – 08:40</td>
<td>Opening Talk &lt;br&gt; Sarah Hoffman, Roseline Carter, Greg Powell</td>
<td>Belair-Britania (Conference Level)</td>
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<tr>
<td>08:40 – 09:00</td>
<td>IR in 2025 &lt;br&gt; Suresh Vedantham</td>
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<tr>
<td>09:30 – 10:30</td>
<td>Workshops &lt;br&gt; Lower Level</td>
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<tr>
<td>1. Viagra Session: tips &amp; tricks from the old folks! &lt;br&gt; Darren Ferguson, Peter Collingwood</td>
<td>Eau Claire</td>
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<tr>
<td>2. Venous Interventions from the experts &lt;br&gt; Suresh Vedantham, James Benenati</td>
<td>Bow Valley</td>
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At the end of this session, the participant should be able to:
- Describe innovative techniques for Non-Vascular Intervention
- List alternate applications for percutaneous Closure Devices
- Identify novel techniques and ‘tricks’ learned from TAVI’s and Strokes
- Describe specific techniques to optimize patient care
- Describe approach to managing unexpected complications
- Understand importance and clinical benefits of treating patients, not images
3. Techs & Nurses: Hemodialysis Vascular Access Complications and Interventions
Arlene Avenado, Cheryl Carleton, Marlene Sullivan
Nakiska
At the end of this session, the participant should be able to:
• Identify vascular access complications
• Describe the tools used to identify vascular access complications
• Understand the clinical assessment tools used in the evaluation of hemodialysis intervention

10:45 – 12:00
CLINICAL SESSION
Moderator: Amol Mujoomdar
Belair-Britania (Conference Level)

10:45 – 10:55
Starting and Growing an Ablation Program: Saskatoon’s Experience
Chris Wall
At the end of this session, the participant should be able to:
• Describe criteria needed to start an ablation program
• Name the key factors in Stakeholder engagement
• Describe the challenges associated with a community ablation practice

10:55 – 11:00
Royal College update on the IR residency
Stephen Ho
At the end of this session, the participant should be able to:
• Recognize the current state of IR Residency programs in Canada
• Understand the requirements for Fellowship in Canada
• Be familiar with the different routes for certification in IR

11:05 – 11:20
How to start a PERT program
James Benenati
At the end of this session, the participant should be able to:
• Define the subtypes of PE and understand the clinical significance of each group
• List therapeutic options for treatment of PE
• List mechanical techniques for treatment of PE

11:20 – 11:40
The business of healthcare, why it’s important to be involved
Darren Ferguson
At the end of this session, the participant should be able to:
• Describe the organizational template for Health Care administration
• Identify the drivers affecting patient centered care Delivery Models
• Identify the best advocacy practices within the bureaucracy of Health Care

11:40 – 11:50
CAIR Annual General Meeting
Darren Klass

11:50 – 12:00
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
Belair-Britania (Conference Level)

13:30 – 13:40
CAIR Award – Dave Liu
Jason Wong

13:40 – 14:05
Fellows & Residents Best Cases
Peter Collingwood

14:05 – 14:15
CAIR Update
Jason Wong
At the end of this session, the participant should be able to:
• Interpret the goals of the CAIR organization
• Update on current and future projects
• Discuss how members can become more involved

14:15 – 15:15
Case discussions from the 4 guest speakers
James Benenati, Alda Tam, Suresh Vedantham, Scott Trerotola
At the end of this session, the participant should be able to:
• Identify judgement errors that lead to complications
• Describe how to manage difficult situations in the endovascular suites
• Understand the importance of case planning and preparation in achieving technical and clinical success

15:15 – 15:30
Discussion
16:00 – 17:00  WORKSHOPS  Lower Level

1. M&M vascular and non-vascular  
   Cori Caughlin, Peter Collingwood  
   Eau Claire

At the end of this session, the participant should be able to:
• Review lessons learned from previous experiences and complications
• Generate potential solutions to clinical/procedural problems
• Implement preventive strategies to avoid future errors
• Anticipate and avoid potential complications
• Gain new techniques in non-vascular cases
• Identify more cost-effective techniques for everyday practice

2. Interventional Oncology (ablation, TACE and everything in between)  
   Alda Tam, David Liu, Stefan Przybojewski  
   Bow Valley

At the end of this session, the participant should be able to:
• Describe nerve block techniques for palliation of visceral pain
• Discuss the uses of embolization and ablation in the management of musculoskeletal metastases
• Describe non-traditional access routes for management of challenging gastrointestinal obstruction cases
• Recommend various pain management strategies for different abdominal and pelvic cancers
• Illustrate how to perform various nerve blocks
• Identify potential complications of oncology interventions

3. Techs & Nurses: Patient Care and sedation  
   Stephen Ho, Vamshi Kotha  
   Nakiska

At the end of this session, the participant should be able to:
• Describe the process of patient preparation in IR
• Identify anticoagulation medication currently available
• List typical scenario encountered in IR
• Identify the role of different medication used in IR
• Analyze and critique various case scenarios depicting medication in IR
• Apply knowledge obtained in routine clinical practice

18:00 – 19:00  ANNUAL MEETING COCKTAIL  
   Bonavista (Conference Level)
9:15 – 10:25
INTERVENTIONAL ONCOLOGY SESSION
Moderator: Amol Mujoomdar
Belair-Britania (Conference Level)

09:15 – 09:35
Evolving role of IO in metastatic CRC
Alda Tam

At the end of this session, the participant should be able to:
• Discuss the role of ablation for liver metastases in colorectal cancer
• Discuss the role of Y90 therapy for liver metastases in colorectal cancer
• Discuss the role of systemic immune therapy for metastatic colorectal cancer

09:35 – 09:55
The context of transarterial therapy in treatment of metastatic NET
David Liu

At the end of this session, the participant should be able to:
• Describe the prognosticators for NET
• Review the systemic therapy option for NET
• Discuss the role of liver directed therapies for NET

09:55 – 10:15
Ablation and immune therapy: current status & future implications
Alda Tam

At the end of this session, the participant should be able to:
• Define the danger theory of the immune system
• Define abscopal effect
• Discuss the mechanism of cell death from cryoablation and how it relates back to the immune system

10:15 – 10:25
Discussion

10:40 – 12:00
DIALYSIS MULTIDISCIPLINARY BOARD
Moderator: Adnan Hadziberovic
Belair-Britania (Conference Level)

10:40 – 11:00
What's new in dialysis intervention
Scott Trerotola

At the end of this session, the participant should be able to:
• Differentiate the two devices currently available for percutaneous AVF creation
• Describe published results with drug coated balloon in AVF
• Identify the main drug used in drug coated balloon in AVF at present

11:00 – 11:50
Multidisciplinary Panel: Vascular access and AV fistula/graft intervention
Scott Trerotola, Dheeraj Rajan, Jennifer MacRae, Keith Baxter

At the end of this session, the participant should be able to:
• Determine where drug coated balloons are of value in the native AV fistula circuit
• List choices available for placements of central venous dialysis line once the upper central veins are occluded
• Determine whether or not, catheter adherent thrombus is an important incidental finding

11:50 – 12:00
Discussion

12:00 – 13:15  LUNCH

13:30 – 15:00
HCC MULTIDISCIPLINARY BOARD
Moderator: David Valenti
Belair-Britania (Conference Level)

Multi-Disciplinary Panel: HCC
David Liu, Alda Tam, Kelly Burak, Oliver Bathe, Shaun Loewen

At the end of this session, the participant should be able to:
• Describe what a purchasing organization does
• Discuss the advantages of a purchasing organization for a medical system
• Discuss potential disadvantages of the procurement process

15:30 – 17:00  WORKSHOP  Plenary Room
Moderators: John Kachura, Stefan Przybojewski, Richard Owen

Jeopardy film panel (Western Canada versus Eastern Canada)

At the end of this session, the participant should be able to:
• Evaluate the efficiency of thermal ablation of liver and lung metastases using case examples
• Compare different ablation technologies using a hands on approach
• Judge newer ablation technologies, including microwave ablation

18:00 – 19:30  WOMEN IN IR COCKTAIL  Bar
SATURDAY JUNE 2

8:00 – 9:20
VENOUS AND ARTERIAL SESSION
Moderator: Jeff Jaskolka
Belair-Britania (Conference Level)

08:00 – 08:20
Randomized trials for venous thrombosis
Suresh Vedantham

At the end of this session, the participant should be able to:
• Name 3 pivotal RCTS of venous disease
• State limitation of RCTS
• State 3 secondary benefits of participating in randomized trials

08:20 – 08:30
Rapid fire – What’s new in TEVAR
Vamshi Kotha

At the end of this session, the participant should be able to:
• Describe current practice guidelines in treatment of thoracic aortic pathology
• Identify recent advances in TEVAR and future directions of development
• Recognise the role of IR in thoracic aortic intervention

08:30 – 08:40
Rapid fire – Treatment of Type B AD
Darren Klass

At the end of this session, the participant should be able to:
• Discuss the latest literature regarding the treatment of Type B dissection
• Select appropriate patient with subacute dissection for treatment
• Develop a robust protocol for workup and management

08:40 – 09:00
CFA Puncture Inversion
Andrew Benko

At the end of this session, the participant should be able to:
• Describe the rational for retrograde to antegrade CFA puncture inversion
• Describe the techniques and tools required for puncture inversion
• Describe the advantages and difficulties in performing the technique

09:00 – 09:20
Prostate artery embo: A primer for IR and how I do it
Oliver Halliwell

At the end of this session, the participant should be able to:
• Select and consent patients for prostate artery embolization (PAE)
• Describe peri-procedural management of patients undergoing PAE
• Employ technique refinements to achieve safe and effective PAE

9:35 – 11:20
DEBATE SESSION
Moderator: Vamshi Kotha
Belair-Britania (Conference Level)

09:35 – 10:00
Treatment of small HCC: resection versus ablation
John Kachura, Oliver Bathe

At the end of this session, the participant should be able to:
• Describe the principles and techniques of focal tumor ablation
• Discuss the indications, efficacy and limitations of HCC ablation
• Compare the results of ablation and resection in the treatment of HCC

10:00 – 10:25
PAE vs Turp for treatment of BPH
Oliver Halliwell, Bryan Donnelly

At the end of this session, the participant should be able to:
• Evaluate the current evidences of the efficacy of PAE and TURP in the treatment of BPH
• Compare the relative side effects profiles of PAE and TURP
• Define the current status of PAE in treatment of BPH

10:25 – 10:50
Should IR docs continue to evolve into “clinicians” or stay the role of “hired gun”
Marty Simons, Brian Hardy

At the end of this session, the participant should be able to:
• Reasonably assess the evidence presented by both debaters regarding the roles of IR in clinical medicine
• Apply the presented reasoning to their own practices and make decisions accordingly
• Recognize the evolving role of IR’s as clinicians
• Understand the difference between a consultant physician and a technician
• Describe techniques to increase clinical relevance of IR

10:50 – 11:10
Discussions

11:10 – 11:20
Closing talk, Jason Wong
Don’t forget to fill out your evaluation form.
Join us for CAIR 18th Annual Meeting
in collaboration with the CAMRT

Toronto, Ontario
May 30 – June 1, 2019

Hilton Toronto
145 Richmond Street
West Toronto
Ontario M5H 2L2

See you next year!
Thank you to our corporate partners