



*Canadian Society for Vascular Surgery
Société canadienne de chirurgie vasculaire*

2017 Annual Meeting on Vascular Surgery



**BANFF, ALBERTA
September 15-16, 2017
Fairmont Banff Springs Hotel**

Preliminary program – programme préliminaire

Welcome to Banff!

It is my pleasure to welcome you to the Canadian Society for Vascular Surgery's 39th Annual Meeting. Our theme this year is "Expanding Frontiers, Increasing Responsibility" and it promises to be an exceptional event, featuring timely, insightful, and relevant scientific sessions. Our invited guest speaker, Professor Alan Dardik hailing from Yale University School of Medicine, will be giving two talks during the meeting and many are looking forward to his presentations.

This meeting will provide a forum for continuing medical education for vascular surgeons and others interested in the investigation and treatment of patients with vascular disease. It also provides an opportunity for the exchange of ideas, promotion of education and research and discussion of matters of interest to its members and others. There are also some social activities on tap including the CSVS Annual Dinner at the Stanley Smokehouse located on the Fairmont Banff Springs Golf Course.

An exciting two days awaits giving you an opportunity to stay abreast of vascular developments, network with your peers, and increase your CPD hours.

A special thanks to the members of the Program Committee for putting together an excellent program.

Have a great meeting!

Dr. Rafik Ghali
CSVs President

CSVS EXECUTIVE COMMITTEE

Dr. Rafik Ghali, President,
Dr. Kent MacKenzie, President Elect
Dr. Greg Browne, Past President
Dr. Thomas Forbes, Past Past President
Dr. April Boyd, Secretary
Dr. Keith Baxter, Treasurer
Dr. John Harlock, 2017 Program Chair
Dr. Joel Gagnon, 2017 Assistant Program Chair
Dr. Marie-France Guimond, LOC 2017 Chair
Dr. Guiseppe Papia, Education Committee Chair
Dr. Luc Dubois, Research Committee Chair
Dr. Thomas Lindsay, RCPSC Representative
Dr. Dion Davidson, Member at Large East
Dr. Ricardo Ruz, Member at Large, Central
Dr. David Kopriva, Member at Large, West
Dr. Karim Alibhai, Member at Large (Web)

INTERACTIVE MEETING

Delegates will be actively participating in the meeting by using touchpads to provide feedback via the Audience Response System that will be used during the plenary sessions and VSEP Jeopardy.

INVITED GUEST SPEAKER



The CSVS is pleased to present Dr. Alan Dardik, Yale University School of Medicine, as the 2017 invited guest speaker. Dr. Dardik will present 2 talks in Banff, AB.

WHY YOU SHOULD ATTEND!

As the premier meeting of the Canadian Society for Vascular Surgery, this conference provides several unique and engaging educational opportunities for the participants:

- Network with colleagues from across Canada
- Translate scientific discoveries into your practice
- Raise questions, debate the issues, plan follow-up studies, and discuss results;
- Discuss your own research and observation
- Meet with poster presenters to learn about their research objectives; and
- Visit a number of exhibit booths featuring products specifically designed for the treatment of vascular diseases.

TARGET AUDIENCE

The CSVS Annual Scientific meeting is intended for clinicians, researchers, trainees/students, and allied health professionals involved in research, treatment and management of vascular diseases.

CSVS VISION

To Lead Vascular Care in Canada

CSVS MISSION

The Canadian Society for Vascular Surgery is dedicated to excellence in the promotion of vascular health for Canadians through education, research, collaboration and advocacy

ANNUAL GENERAL MEETING

For CSVS members only

Friday, September 15th - 12:00-13:00

Alberta Room

ACCREDITATION - (Section 1)

This event is seeking approval for an accredited group learning activity (**Section 1**) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

AMA PRA Category 1 Credit™

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 Credits™. Information on the process to convert Royal College MOC credit to AMA credit can be found at:

www.ama-assn.org/go/internationalcme.

CERTIFICATE OF ATTENDANCE

All participating delegates will receive an email containing their “Certificate of Attendance” following the meeting.

PROGRAM CHANGES AND CANCELLATIONS

CSVs reserves the right to substitute faculty or to cancel or reschedule sessions because of unforeseen circumstances.

MOBILE APP

Download the CSVS2017 annual meeting mobile app to access the full schedule, presenters, podium and poster presentations and be alerted of any changes to the program electronically.

DISCLOSURE

Faculty and Moderator Disclosure: Current CME guidelines state that participants should be aware of any affiliation or financial interest that could affect the speaker’s presentation(s). Faculty and moderators have completed conflict of interest declarations and those potential conflicts will be announced at the beginning of each session.

The intent of this disclosure requirement is for a speaker to declare the conflict/relationship, in advance, to the audience. It is intended that any conflict be openly identified so that with full disclosure of the facts, attendees may form their own judgments about the presentation.

In addition, all members of the annual scientific program committee have also completed their declaration and have announced at each teleconference or meeting any financial interest in commercial organizations that may have a direct or indirect interest in the subject matter of his/her presentation. A “financial interest” may include, but is not limited to, being a direct shareholder in the organization; being on retainer with the organization; or having research or honoraria paid by the organization. An “affiliation” may be holding a position on an advisory committee or some other role of benefit to a sponsoring organization.

DISCLAIMER

The material presented at this meeting represents the opinion of the speakers and not the views of the CSVs. Attendees participating in this medical education program do so with full knowledge that they waive any claim they may have against the CSVs for reliance on any information presented during these educational activities. The CSVs does not guarantee, warrant or endorse any commercial products or services.

VISIT OUR 2017 SPONSORS AND EXHIBITORS

The CSVS meeting has proven to be a great opportunity for a collegial interchange of ideas and product information between physicians and our corporate partners. The exhibit area is the exclusive room for meals and breaks. The exhibiting companies will provide you with the latest information on products in the field of vascular surgery. Information on our corporate partners is included in the CSVS mobile app. Please visit the exhibit hall (New Brunswick Room) to meet our sponsors. Exhibiting companies are our benefactors and major resource for our annual meetings. We encourage all our members and guest delegates to visit and support our sponsors.

Exhibit dates and times: Friday, September 15th

7:00-7:45am, 10:00-10:30am, 12:00– 1:00pm, 3:00-3:30pm

Saturday, September 16th

7:00-8:00am, 9:45-10:15am, 11:45am – 1:00pm, 3:00-3:15pm

SOCIAL EVENTS

The CSVS will be holding two social events that will provide you with an opportunity to connect with fellow delegates in a more relaxed environment.

- Wine & Cheese and Poster viewing in the Riverview Lounge on Friday, September 15th from 17:00 to 18:00
- CSVS Annual Dinner on Saturday September 16th which will be held at the Stanley Smokehouse located on the Fairmont Banff Springs Hotel Golf Course. Tickets are \$150 each.



Follow us on Twitter!

Use **#CSVS2017** to tweet & share what you're learning in Banff!



Educational Objectives of the CSVS 39th Annual Meeting

- 1) Participants will be able to identify new treatment modalities for diagnosing and treating aortic aneurysms
- 2) Participants will understand the new imaging modalities that will help to manage peripheral vascular disease
- 3) Participants will be able identify and discuss the various new treatment options that are available for venous insufficiency management
- 4) Participants will be able to describe issues relating to wound care and basic vascular biology that will ideally aid in the care of clinical patients.
- 5) Participants will have an understanding of the organizational and population based issues related to vascular surgery
- 6) Participants will be able to identify their own knowledge gaps by participating in VESP Jeopardy

THURSDAY, SEPTEMBER 14, 2017

1200-1800	EXHIBITS MOVE IN AND SET UP	<i>New Brunswick Room</i>
1200-1630	CSVS EXECUTIVE MEETING (<i>closed</i>)	<i>Norquay Room</i>
1630-2100	RCPSC SPECIALTY COMMITTEE ON VASCULAR SURGERY MEETING (<i>closed</i>)	<i>DC Coleman Room</i>
1800-2000	REGISTRATION OPENS	<i>Curio Foyer</i>

FRIDAY, SEPTEMBER 15, 2017

0700-0500	REGISTRATION OPENS	<i>Curio Foyer</i>
0700-0745	BREAKFAST & EXHIBITS	<i>New Brunswick Room</i>
0700-0745	BEST-CLI Update Presenter: Dr. Alik Farber	<i>Alberta Room</i>
0745-0800	WELCOME & OPENING REMARKS President: Dr. Rafik Ghali Program Chair: Dr. John Harlock Secretary: Dr. April Boyd	<i>Alberta Room</i>
0800-0930	PAPER SESSION I – TREATMENT OF PERIPHERAL OCCLUSAL DISEASE Moderators: TBC <i>Learning Objectives - At the end of this session, participants will be able to:</i> 1. Gain an understanding and approach to wound classification 2. Help appreciate the impact of depression on patients with PVD 3. Gather further knowledge on techniques for treatment of PVD	
0800-0815	The SVS WiFi Classification Independently Predicts Wound healing in Neuroischemic DFU - Presenter: C. Hicks	
0815-0830	Quantitative measurements of real time foot perfusion in patients with CLI - Presenter: O. Mironov	
0830-0845	Similar patency and limb salvage rates when comparing primary bypass with bypass following failed endovascular intervention for lower limb arterial occlusive disease - Presenter: S. Hossain	
0845-0900	Depression in Older adults undergoing interventions for PAD Presenter: L. Drudi	
0900-0915	The treatment of complex aortoiliac and femoral disease using an inguinal approach and Viabahn stents - Presenter: P. Brown	

0915-0930 Technique of extended iliofemoral eversion endarterectomy for severe iliofemoral arterial disease - Presenter: G. Sarwal

0930-1000 **REFRESHMENT BREAK & EXHIBITS** *New Brunswick Room*

1000-1100 **PAPER SESSION II – TREATMENT OF VENOUS DISEASE** *Alberta Room*

Moderators: TBC

Learning Objectives - At the end of this session, participants will be able to:

1. Further ones' knowledge on techniques to treat venous ulcers

2. Increase the understanding of the role of biomarkers in venous ulcers

1000-1015 The impact of endovenous thermal ablation on venous leg ulcer healing
Presenter: A. Kayssi

1015-1030 Evaluation of biomarkers for predicting wound healing in venous leg ulcer - Presenter: M. Stacey

1030-1045 Influence of arterial and venous diameters on autogenous arteriovenous access patency - Presenter: R. Hamidzadeh

1045-1100 Comparison of cyanoacrylate and RFA for treatment of varicose veins in a Canadian population - Presenter: M. Parapini

1100-1130 **Invited Guest Lecture I - Improving the Outcome of Vein Grafts and Fistulae: Should Surgeons Turn Veins Into Arteries? Alan Dardik, MD, PhD, Yale University School of Medicine**

Learning Objectives - At the end of this session, participants will be able to:

1. Describe the embryology of the vascular system and how Ephrin-Eph interactions contribute to arterial and venous identity.

2. Understand why the PREVENT-III and -IV trials failed and the role of smooth muscle cells in the pathogenesis of neointimal hyperplasia in vein grafts.

3. Gain an understanding of the importance of basic science research to the future of vascular surgery.

1200-1300 **CSVs ANNUAL GENERAL MEETING (Members Only)** *Alberta Room*

1200-1300 **LUNCH & EXHIBITS (for those not attending AGM)** *New Brunswick Room*

1200-1300 **Residents/Trainees meet & greet with Invited Guest Speaker** *Riverview lounge*

1300-1415 **PAPER SESSION III -ANEURYSMAL DISEASE**

Moderator: TBC

Learning Objectives- At the end of this session participants will be able to:

1. Review factors that affect wall vulnerability in AAA

2. Review different treatment techniques for the care of AAA

3. Review the evidence of statin treatments in AAA

1300-1315 Reserve Aortic Ratio as an index of wall vulnerability for AAAs -
Presenter: R. Moore

1315-1330 Percutaneous TEVAR under local anesthesia without CSF drainage
Presenter: D. Jiang

1330-1345 EndoAnchors in Thoracic, TAAA, and Complex EVARs: Safe and Effective
Presenter: J. Panneton

- 1345-1400** The impact of statins on AAA growth, rupture, and perioperative outcomes - Presenter: K. Salata
- 1400-1415** A Canadian Post-Market Study of Zenith Alpha Abdominal EVAR graft - Presenter: T. Forbes

1415-1430 **Update on National AAA Screening Guidelines from the Canadian Task Force for Preventative Health Care - Presenter: Prasad Jetty**

1430-1500 **REFRESHMENT BREAK & EXHIBITS** *New Brunswick Room*

1500-1600 **VSEP JEOPARDY** *Alberta Room*
Objective: At the end of this session, participants will be able to elucidate their strengths and weaknesses in knowledge of a variety of vascular topics.

1600-1645 **RAPID 3 MINUTE POSTER PRESENTATIONS** (Brief introduction prior to poster viewing)

Moderator: TBC

Learning Objectives - At the end of this session participants will be able to:

- 1. Describe issues related to and affecting Vascular Surgery*
 - 2. Understand advances in various topics in Vascular Surgery*
- IFU violation and anatomic factors are strongest predictors of clinically significant type II endoleaks - Presenter: K. Lee
 - Surgically Positioned Paravertebral Catheter for analgesia post Retroperitoneal Aortic Aneurysm Repair - Presenter: S. Jessula"
 - Point of Care Ultrasound (POCUS) use as adjunct to physical exam and its impact on arteriovenous fistula maturation - Presenter: S. Hossain
 - Outcomes of Minor Amputations in Patients with Peripheral Vascular Disease at a Tertiary Care Institution - Presenter: A. Chan
 - The Effect of Renin-Angiotensin System Blockade on Abdominal Aortic Aneurysm Growth, Rupture and Perioperative Outcomes: A Systematic Review and Meta-Analysis - Presenter: R. Eikelboom
 - Hospital Readmission and Emergency Department Visits After Vascular Surgery: A Prospective Cohort Study - Presenter: M. Hussain
 - Assessing Patient Preferences for and Ranking of Outcomes Presented in Randomized Trials of Endovascular Aortic Surgery (APPROPRIATE) Presenter: D. Dion
 - Establishing the Publication Rate of Abstracts Submitted Between 2012 to 2016 to the Canadian Society for Vascular Surgery Annual Meeting - Presenter: F. Naji
 - Computational Simulations to Predict Fenestrated Stent Graft Rotation upon Deployment - Presenter: M. Doyle
 - Current practices in venous disease – a survey of Canadian vascular surgeons Presenter: G. Yang
 - Temporal Trends of Aortic Custom Medical Device Usage in Canada - Presenter: S. Crawford
 - Development of a Semi-Automated FEVAR Planning Technique Presenter: H. Genis
 - A novel iliac morphology score predicts procedural mortality and major vascular complication in Transfemoral Aortic Valve Replacement - Presenter: C. Ou

- Posterior Approach to Popliteal Artery Aneurysm Repair; An Underutilized Technique? - Presenter: J. Patapas
- Evaluation of biomarkers for predicting wound healing in venous leg ulcer
Presenter: M. Stacey
- Physicians' Peripheral Arterial Disease Knowledge Gap Starts in Medical School
Presenter: M. AlHamzah
- Endovascular Repair of Abdominal Aortic Aneurysm (EVAR) in Octogenarians: A Report on Clinical Outcomes - Presenter: S. Raju.

1700-1800

CSVS POSTER SESSION - WINE & CHEESE AMONGST THE POSTERS

Riverview Lounge

SATURDAY, SEPTEMBER 16, 2017

0700	REGISTRATION OPENS	<i>Curio Foyer</i>
0700-0800	BREAKFAST & EXHIBITS	<i>New Brunswick Room</i>
0700-0800	RESEARCH COMMITTEE MEETING	<i>Angus Room-Mezzanine level</i>
0700-0800	EDUCATION COMMITTEE MEETING	<i>Room 1968, 3rd Fl., Conference Centre</i>
0800-0900	PLENARY SESSION IV – EMERGING TREATMENTS <i>Alberta Room</i> Moderator: TBC <i>Objectives- At the end of this session participants will be able to:</i> 1. <i>Gain a further understanding of potential new treatments for aortic disease</i> 2. <i>Understand the physiology and outcomes of venous arterialization</i>	
	0800-0815	Early results of Arch pathology treated with Nexus Arch endograft Presenter: T. Lindsay
	0815-0830	Thoraflex Hybrid Endovascular Frozen Elephant Trunk Device for treatment of complex aortic arch disease - Presenter: J. Landau
	0830-0845	Venous arterialization for non-reconstructible lower extremity arterial disease Presenter: K. Arsenault
	0845-0900	Topical oxygen therapy closes chronic DFUs Presenter: P. Hayes
0900-1015	PAPER SESSION V –COMPUTATIONAL AND BENCH WORK - <i>Alberta Room</i> Moderators: TBC <i>Learning Objectives - At the end of this session participants will be able to:</i> 1. <i>Gain an understanding of the concerns with current TEVAR grafts devices and the potential for air embolism</i> 2. <i>Appreciate the potential uses of computational imaging in endovascular planning</i>	
	0900-0915	Performance Assessment of RF powered guidewire for crossing peripheral arterial occlusions based on lesion morphology - Presenter: M. Tavallaei

- 0915-0930** Air Bubbles released from Thoracic aortic endograft deployment: analysis and quantification - Presenter: J. Misskey
- 0930-0945** Correlation between MMP-9 activity, intraluminal thrombus deposition, and computational pulsatile hemodynamics in human AAAs - Presenter: A. Ducas
- 0945-1000** Iliac artery torsion and calcification predict endovascular device rotation and severe perioperative complications in advanced EVAR - Presenter: S. Crawford
- 1000-1015** MRI characteristics of peripheral arterial lesions relate to the difficulty of endovascular procedures - Presenter: T. Roy

1015-1045 **REFRESHMENT BREAK & EXHIBITS** *New Brunswick Room*

1045-1100 **RESEARCH - Canadian Vascular Research Group Update** *Alberta Room*
Dr. Luc Dubois, Chair, CSVS Research Committee

1100-1130 **PRESENTATION OF 2017 AWARD WINNERS**
Cook & Gore Research Awards (Presented by Dr. Luc Dubois)
John L. Provan Education Award (Presented by Dr. Guiseppe Papia)

1130-1200 **CSVs Invited Guest Lecture II - Systemic inflammatory disease prevents sac regression after endovascular aneurysm repair**
Alan Dardik, MD, PhD, Yale University School of Medicine
Learning Objectives - At the end of this session participants will be able to:
1. Describe systemic inflammatory disease
2. Describe the modern understanding and treatments of endoleak after endovascular aneurysm repair
3. Appreciate the importance of systemic inflammatory disease in patients undergoing endovascular aneurysm repair and potential treatment options in these patients

1200-1230 **PRESIDENTIAL ADDRESS -Dr. Rafik Ghali** *Alberta Room*
Introduction by Dr. Kent MacKenzie

1230-1345 **LUNCH & EXHIBITS** *New Brunswick Room*

1345-1500 **PAPER SESSION VI- QUALITY AND POPULATION CARE**
Moderator TBC
Objectives - At the end of this session participants will be able to:
1. Further understand the relationship between surgery volumes and outcomes
2. Explore the costs associated with vascular surgery care in Ontario

- 1345-1400** Higher surgeon annual volume, but not years of experience, leads to reduced rates of perioperative complications and reoperations following open AAA repair - Presenter: L. Dubois
- 1400-1415** Evaluating quality metrics and cost after discharge: A population-based study of value in health care following major vascular surgery in Ontario - Presenter: C. de Mestral
- 1415-1430** Increasing mortality trends for open infrarenal and TAAA repairs in the endovascular era - Presenter: B. Levac
- 1430-1445** Device-specific variability in Aneurysm Sac regression following EVAR based on a comprehensive registry of patients in Eastern Ontario -

Presenter: P.Jetty

1445-1500 Do vascular surgery patients investigated with an angiogram first approach receive faster treatment in Saskatchewan vs. those investigated with CTA? - Presenter: J Herback

1500-1530

REFRESHMENT BREAK & EXHIBITS

New Brunswick Room

1530-1700

PAPER SESSION VII - CAROTID AND GENERAL TOPICS

Moderator TBC

Objectives - At the end of this session participants will be able to:

1. Determine and understand the relationship between specialty and outcomes in carotid disease
2. Gain insight into the quality of evidence presented at our annual meeting,
3. Further appreciate patient satisfaction with preoperative planning and care

1530-1545 Carotid artery revascularization: Does surgeon or interventionalists specialty matter? - Presenter: M. Hussain

1545-1600 Knowledge, impressions, and use of government-funded physical disability support programs in vascular surgery: a survey of Canadian physicians - Presenter: M. Ingves

1600-1615 Level of Clinical Evidence presented at the CSVS Annual meeting over a 5 year period - Presenter: F. Naji

1615-1630 Break out of the classroom: The use of escape rooms as an alternative learning strategy for surgical education - Presenter: A. Kinio

1630-1645 Risk of intracranial hemorrhage following carotid endarterectomy versus stenting - Presenter: M. Hussain

1645-1700 Is patient satisfaction improved by showing patients their CT and angiographic images prior to undergoing vascular surgery? - Presenter: D. Leblanc

1700

MEETING ADJOURNMENT - CLOSING REMARKS

1700-1800

EXHIBITS DISMANTLING

1830

CSVS ANNUAL DINNER

The Stanley Smokehouse - Fairmont Banff Springs Golf Course- Coach Transportation provided

Cocktail Reception followed by Dinner

Advance registration and dinner ticket required (\$150) - (business attire)

Presentation of 2017 Sigvaris President's Award and Josephus C. Luke Awards will be made at the CSVS Dinner

SAVE THE DATE
2018 is the "40th Anniversary" of the CSVS
CSVS Annual Meeting
September 28-29, 2018 Westin Montréal
Montréal, Québec



Thank you to our 2017 sponsors



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