



**Canadian Society for Vascular Surgery
Soci t  canadienne de chirurgie vasculaire**

**41st Annual Meeting
September 13-14, 2019
Delta Grand Okanagan Resort, Kelowna BC**



PROGRAM AT A GLANCE

VISIT OUR 2019 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 (South Ballroom) to meet our sponsors. Exhibiting companies are our benefactors and major resource for our annual meetings and we encourage all our members and guest delegates to visit and support our corporate partners.

Exhibit dates and times: Friday, September 13th

7:00-7:45am, 9:30-10:00am, 12:00- 1:30pm, 2:45-3:15pm

Saturday, September 14th

7:00-8:00am, 10:15-10:45am, 12:15pm – 1:30pm, 3:15-3:45pm

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 Foyer on Friday, September 13th from 5:00 to 6:00pm in the Grand Foyer.
- CSVS Annual Dinner on Saturday September 14th which will be held at the Mission Hill Winery. Tickets are limited and must be purchased in advance (\$150 each).



Follow us on Twitter! Use **#CSVS2019** to tweet & share what you're learning in Kelowna.

MOBILE APP - The CSVS 2019 annual meeting mobile app allows you to access the full schedule, presenters, podium and poster presentations and be alerted of any changes to the program electronically. **Installing The App:** enter <https://eventmobi.com/csvs2019/> into your browser.



Educational Objectives of the CSVS 41st Annual Meeting

1. Participants will be able to review and discuss non-operative and surgical approaches to thoracic aortic pathologies.
2. Participants will understand new alternatives of treatment that will help to manage peripheral vascular disease.
3. Participants will explore the state of Vascular Surgery as a specialty across Canada.
4. Participants will learn understand the role of perioperative medicine in the outcomes of vascular surgery patients.
5. Participants will review the history and current status of Carotid trials.
6. Participants will be able identify and discuss novel treatment option that are available for venous insufficiency management.
7. Participants will review and assess the durability of vascular access procedures.
8. Participants will explore and learn on novel current endovascular aneurysm repair techniques.
9. Participants will have a better understanding of aneurysm surveillance and also be able to identify factors that impact post-operative outcome following open aortic aneurysm repair.
10. Participants will be able to identify their own knowledge gaps by participating in VESP Jeopardy.

The program will provide scientific or clinical presentations by the general membership and will provide the opportunity for the participant to discuss and contribute opinions and evaluations. Authors of accepted abstracts are encouraged to submit manuscripts for peer-reviewed publication.

This event is 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, approved by the Canadian Society for Vascular Surgery. The maximal CME credit is 13 hours.

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



Canadian Society for Vascular Surgery

41st Annual Meeting

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THURSDAY, SEPTEMBER 12, 2019

- 8:00am
11:30am **Quality & Outcomes Committee Meeting** - *Selkirk*
- 12:00pm
6:00pm **Exhibitor move in & Poster board set up** - *South Ballroom*
- 12:00pm
1:00pm **CSVS Executive Committee Luncheon** (*closed*)- *Selkirk*
- 1:00pm
4:00pm **CSVS Executive Committee Meeting** (*closed*) - *Selkirk*
- 4:30pm
9:00pm **RCPSC Vascular Surgery Specialty Committee Meeting** (*closed*) *Cassiar/Cascade*
- 6:00pm
8:00pm **CSVS Registration Desk Opens** - *Coat Check*

FRIDAY, SEPTEMBER 13, 2019

- 7:00am **CSVS Registration Desk Opens** - *Coat Check*
- 7:00am
7:45am **Exhibits & Continental Breakfast** - *South Ballroom*
- 7:45am
8:00am **Welcome and Opening Remarks** - *Okanagan*
President: Dr. April Boyd
Program Chair: Dr. Heather Gill
Secretary: Dr. John Harlock
- 8:00am
9:30am **Paper Session I - THE THORACIC AORTA** - *Okanagan*
Moderator: Dr. Jason Bayne
Learning Objectives - *At the end of this session, participants will be able to:*

1. Gain a further understanding of differences between open and endovascular treatment of thoracoabdominal aortic aneurysms.
2. Gain a further understanding into the treatment of acute type B dissections.

8:00-8:15 -A Systematic Review and Meta-Analysis of Endovascular Juxtarenal Aortic Aneurysm Repair Demonstrates Lower Perioperative Mortality Compared to Open Repair - R. Doonan

8:15-8:30 Early and Late Population-based Thoracoabdominal Aortic Aneurysm Outcomes Following Endovascular and Open Repair - R. Rocha

8:30-8:45 Health Care Costs of Endovascular Compared to Open Thoracoabdominal Aortic Aneurysm Repair - R. Rocha

8:45-9:00 Evaluation of aortic zone 2 landing accuracy during TEVAR following carotid-subclavian revascularization - S. Choi

9:00-9:15 Local and Regional Management Variation after Acute Type B Aortic Dissection Accompanies Regional Disparities in Post Dissection Mortality in Ontario - M. Witheford

9:15-9:30 Impact of Thoracic Endovascular Aortic Repair Timing on Aortic Remodeling in Type B Aortic Intramural Hematoma - F. Alie-Cusson

9:30am
10:00am

Refreshment Break and Exhibits – South Ballroom

Paper Session II PAD - Okanagan

Moderator: Dr. Matt Robinson

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

1. Gather further knowledge into novel endovascular treatment options of PAD.
2. Explore different anesthetic approaches to arterial revascularization.

10:00am
11:00am

10:00-10:15 Performance Assessment of a Novel Steering Catheter for Crossing Peripheral Arterial Occlusions - T. Roy

10:15-10:30 Association Between Hemodynamic Response and Reintervention following Endovascular Revascularization for Atherosclerotic Peripheral Vascular Disease - M. Rockley

10:30-10:45 Concomitant iliac endovascular procedure does not adversely affect outcomes during lower extremity infrainguinal bypass - D. Dion

10:45-11:00 Type of Anesthesia For Lower Extremity Arterial Revascularization Surgery: A Population-Based Comparative Effectiveness Study - D. Roberts

CSVS Invited Guest Lecture I - Okanagan

40 years of Carotid Surgery trials - how do they influence practice?

Professor Alison Halliday, Oxford University

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

1. Understand that symptomatic carotid trials from the 1980-90s still inform current practice, despite advances in surgery and medicine
2. Learn that surgery (and maybe Stenting) for asymptomatic stenosis reduce both non-disabling and disabling/fatal stroke risk within 5 years of treatment, and this benefit is present for at least 15 years

11:00am
11:30am

11:30am **Best CLI Update - Okanagan**

11:45am Dr. Ahmed Kayssi

12:00pm
1:30pm

CSVS Annual General Meeting (members only) - Vasseaux/Kootenay

12:00pm Exhibits and Lunch (for those not attending AGM) - South Ballroom
1:30pm

12:00pm Invited Guest Speaker and Residents/Fellows/Students informal meet and greet
1:30pm over lunch period - South Ballroom/Grand Foyer

Paper Session III - PRACTICE MANAGEMENT - Okanagan

Moderator: Dr. Greg Browne

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

- 1. Gain knowledge into the status of Vascular Surgery as a specialty across Canada.*
- 2. Gain knowledge into family physicians understanding of vascular disease.*

1:30pm

2:45pm

1:30-1:45 Future demands for vascular care: a census-based analysis - E Wooster

1:45-2:00 Medicolegal Claims in Vascular Surgery in Canada from 2009-2018 - S. Mostowy

2:00-2:15 Discrepancies in Research Productivity Among Canadian Surgical Specialties - L. Dubois

2:15-2:30 The physical toll of working in operating rooms: A survey of the Canadian Society of Vascular Surgery - G. Sarwal

2:30-2:45 Incidence of diagnostic error in peripheral vascular disease among primary care physicians - M. Metias

2:45pm

3:15pm

Refreshment Break and Exhibits - South Ballroom

VSEP Jeopardy - Okanagan

Moderator: Dr. George Oreopoulos

Learning objective: Upon completion of this session, participants will be able to elucidate their strengths and weaknesses in knowledge of a variety of vascular topics.

3:15pm

4:15pm

Rapid 3 minute Poster Presentations: A brief introduction - Okanagan

Moderator: TBC

Learning objectives: Upon completion of this session, attendees will be able to:

- 1. Describe issues related to and affecting Vascular Surgery*
- 2. Understand advances in various topics in Vascular Surgery*

4:15pm

5:00pm

1. Population-based long-term outcomes of open versus endovascular aortic repair of ruptured abdominal aortic aneurysms - K. Salata

2. A systematic review and meta-analysis of the long-term outcomes of endovascular versus open repair of abdominal aortic aneurysm - B. Li

3. Association Between Prosthetic Graft Infections and Postoperative Procedures After Aortic Repair: A Retrospective Cohort Study - M. Rockley

4. The Correlation of Regional Health Care Utilization and Rates of Amputation Due to Diabetes and Peripheral Arterial Disease - C. de Mestral

5. Platelet Function Analyzer - An Effective Tool in Predicting Aspirin Sensitivity in Patients with Peripheral Artery Disease - H. Khan

6. The Development and Validation of a Simulated Competency Assessment in Diabetic Wound Management - O. Selim

7. Do initial radiographic results of atherectomy predict requirement for reintervention? R. Parekh

8. Pharmacologic Leg Pain: An Unrecognized Cause of Claudication - Y. Hsiang

9. Autologous Stem Cell Treatment for CLI Patients with no Revascularization Options: An Update of the Hemostemix ACP-01 Trial with 4.5 Year Follow Up - J. Misskey

10. Risk Factors for Surgical Site Infection After Lower Extremity Arterial Revascularization Surgery: A Systematic Review and Meta-Analysis -D. Roberts

11. Pulsed and Heated Perfusion in a Human Cadaveric Model: A Reliable and Reproducible

- Devide for Improving Endovascular Skills - R. Chastant
12. Remote video-based assessment of open vascular skills - L. Gordon
 13. The burden of Academic Spam -A. Behdinan
 14. Malnutrition and Mortality in Frail and Non-Frail Older Adults Undergoing Interventions for Peripheral Arterial Disease - L. Drudi
 15. Development and endovascular optical imaging of a porcine model of advanced atherosclerosis - P. McVeigh

5:00pm **CSVS POSTER SESSION** - *Grand Foyer*

6:00pm *Wine & Cheese amongst the posters*

5:30pm

6:30pm

CSVS Education Committee Meeting - *Chilcotin*

SATURDAY, SEPTEMBER 14, 2019

7:00am **CSVS Registration Desk Opens** -*Ouverture du bureau d'inscription de la SCCV*

7:00am

8:00am

CSVS Research Committee Meeting - *Selkirk*

7:00am

8:00am

Exhibits & Continental Breakfast - *South Ballroom*

Paper Session IV - PRE-OPERATIVE MEDICINE: *Okanagan*

Moderator: Dr. Ted Rapanos

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

- 1. Explore other perioperative medicine in vascular surgery procedures.*
- 2. Gain a better understanding of the role of medical management in the treatment of vascular disease.*

8:00am

9:00am

8:00-8:15 Exploring the Utility of Brain Natriuretic Peptide Measurement in Vascular Surgery - B. Huang

8:15-8:30 Optimizing Preoperative Cardiac Risk Stratification for Aortic Surgery - C. Zavitz

8:30-8:45 Evaluating the Role of Preoperative Medicine Consults on Clinical Outcomes in Vascular Surgery Patients - A. Butt

8:45-9:00 A Shared Decision Making Approach to Prescribing ASA + Anticoagulant Management in Peripheral Artery Disease: The Role of a Vascular Profile - D. Wooster

Paper Session V - VENOUS DISEASE AND AV ACCESS - *Okanagan*

Moderator: Dr. Pat Casey

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

- 1. Learn about novel techniques for the treatment of deep venous insufficiency.*
- 2. Review the factors affecting AV access outcomes and durability.*

9:00am

10:15am

9:00-9:15 Endovenous deep vein valve creation for the treatment of chronic venous insufficiency - G. Yang

9:15-9:30 Comparison of Endovenous Interventions versus Stripping and Ligation for Varicose Veins Arising from the Popliteal Fossa - A. Fung

9:30-9:45 Radiographic and functional outcomes of vascular thoracic outlet decompressive surgery: Is there a benefit? - R. Parekh

9:45-10:00 Functional Durability of Hemodialysis Access - M. Rockley

10:00-10:15 Risk Factors and Outcomes of Revisions on Arteriovenous Hemodialysis Access - M. Rockley

10:15am
10:45am

Refreshment Break & Exhibits *South Ballroom*

RESEARCH SESSION - Okanagan

Moderator: Dr. L. Dubois

10:45am
11:00am

EVAR Graft Explant Should not be Delayed until Symptoms or Rupture Occurs: A Canadian Multicenter Experience - *L. Dubois*

Presentation of 2019 Award Winners

- CSVS Young Investigator Research Award (presented by Dr. Luc Dubois)
- Gore Research Award (presented by Dr. Luc Dubois)
- John L. Provan Education Award (presented by Dr. George Oreopoulos)

11:00am
11:15am

2018 Cook, Gore, Provan, Bayer Resident Research Award winners project updates

CSVS 2019 BAYER RESIDENT RESEARCH AWARD - Rapid Fire Presentations
- 3 Finalists to present to judging panel

11:15am
11:45am

Active Limb Warming during Endovascular Therapy for Peripheral Vascular Disease
- M. Rockley

Development of an infrared imaging catheter for guidance of complex endovascular interventions - P. McVeigh

Cost Effectiveness Analysis of Endovascular Aortic Aneurysm Repair as an Outpatient Surgical Procedure - A. Naiem

11:45am 12:15pm	<p>CSVS Invited Guest Lecture II - Okanagan</p> <p>Does carotid surgery prevent dementia? Professor Alison Halliday, Oxford University</p> <p><i>Learning Objectives - At the end of this session, participants will be able to:</i></p> <ol style="list-style-type: none"> 1. Understand that although long term stroke risk is reduced by carotid surgery, dementia risk is unchanged 15-25 years later 2. Learn that dementia risk (and stroke risk) is higher in carotid stenosis patients with prior symptoms/brain infarction and diabetes - stroke risk can be reduced by CEA in these groups
12:15pm 1:30pm	<p>Lunch</p>
1:30pm 2:15pm	<p>Presidential Address – Dr. April Boyd</p> <p>Introduction by: Dr. Keith Baxter</p>
2:15pm 3:15pm	<p>Paper Session VI - PAD II - Okanagan</p> <p><i>Moderator: Dr. Paul Cantle</i></p> <p><i>Learning objectives - At the end of this session, participants will be able to:</i></p> <ol style="list-style-type: none"> 1. Gain further understanding about the outpatient treatment of patients with critical limb ischemia 2. Gain knowledge into the steps required to create a limb preservation clinic in Canada. <p>2:15-2:30 The Coagulation Cascade Profile of Peripheral Arterial Disease Patients: Initial Steps to Personalized Medicine - M. Syed</p> <p>2:30-2:45 Characteristics of High Cost Inpatients with Peripheral Arterial Disease - M. Rockley</p> <p>2:45-3:00 Home Care Nursing After Elective Vascular Surgery: An Opportunity to Reduce Emergency Department Visits and Hospital Readmission - C. de Mestral</p> <p>3:00-3:15 Development and Initial Evaluation of a Canadian, University-Affiliated, Multidisciplinary Limb-Preservation Clinic - D. Roberts</p>
3:15pm 3:45pm	<p>Refreshment Break & Exhibits - South Ballroom</p>
3:45pm 5:15pm	<p>Paper Session VII - THE ABDOMINAL AORTA - Okanagan</p> <p><i>Moderator: Dr. Kirk Lawlor</i></p> <p><i>Learning objectives - At the end of this session, participants will be able to:</i></p> <ol style="list-style-type: none"> 1. Review and assess the access options for endovascular treatment of abdominal aortic aneurysms. 2. Gather further knowledge into the basic science underlying abdominal aortic aneurysms. 3. Discover novel treatment options for endoleaks after endovascular aortic aneurysm repair. <p>3:45-4:00 Combined neuraxial and general anaesthesia significantly improves peri-operative outcomes following elective open abdominal aortic aneurysm repair - K. Salata</p> <p>4:00-4:15 Safety and Effectiveness of Single Proglide Vascular Access in Patients Undergoing</p>

Endovascular Aneurysm Repair (EVAR) - S. Jessula

4:15-4:30 ONYX is More Effective than Coil Embolization for the Treatment of Type II Endoleaks - O. Scallan

4:30-4:45 The relationship between macrophages, MMP-12, IL-6, and intraluminal thrombus in human abdominal aortic aneurysms - L. Bath

4:45-5:00 Systematic review and meta-analysis of preventative strategies for acute kidney injury in patients undergoing elective abdominal aortic aneurysm repair - M. Fernandes

5:00-5:15 Effective post-EVAR surveillance and management of graft complications amongst rural inhabitants in Manitoba - M. Cwinn

5:15pm **Meeting Adjournment**

***CSVS 2019 Annual Dinner - Mission Hill Winery**

6:30pm **Advance registration and dinner ticket required. Coach transportation provided to and from venue.*

SEE YOU NEXT YEAR IN ST. JOHN'S NL!

***CSVS Annual Meeting
September 10-12, 2020
Delta St. John's Hotel
St. John's NL***



NOTES

The CSVS gratefully acknowledges the support of our 2019 scientific program by educational grants from:

