



We hosted our final edition of the [2020-2021 National Thrombosis Seminar series](#) in May! All seminar webinars are now available for viewing on the [website](#).

Thank you to all presenters, organizers, our series host - Dr. Agnes Lee, and to all who tuned in! We look forward to launching a fantastic new program in September 2021!



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CANVECTOR AT ISTH 2021

CanVECTOR is a pan-Canadian, patient-oriented network centered on venous thromboembolism-related research, training, and knowledge translation.

MESSAGE FROM THE DIRECTORS

Dear CanVECTOR members,

We hope all members and colleagues are well and can enjoy some time off during these summer months.

In this second newsletter of the year, we are proud to report on so many network activities and ongoing efforts while also highlighting some exciting changes to the network, key dates to remember, and opportunities just around the corner for our members.

We recently wrapped up the first year of our new [CanVECTOR National Thrombosis Seminar series](#), which was a big success! The organizing committee developed an outstanding lineup of clinical and basic science speakers - both Canadian and international, covering an impactful curriculum of topics in thrombosis research. All 2020-2021 seminars are available for viewing on our [website](#). We want to thank the organizing program committee and, notably, **Dr. Agnes Lee**, the committee Chair, for making this inaugural series such an outstanding success.

The network also recently held separate Research Training Award competitions for the first time: Studentships, administered by the Translational and Basic Science Platform, and Fellowships, administered by the Training, Mentoring, and Early Career Development Platform.

We're happy to announce that the network has awarded two fellowship & eight studentship awards in these two competitions. We are thrilled to support such promising thrombosis research trainees and their projects.

Lastly, we have some changes and a few reminders to report, including a platform name change and our 2021 list of [CanVECTOR Abstracts and Presentations at ISTH 2021!](#)

As always, don't hesitate to reach out if you'd like to get involved in any aspect of CanVECTOR!

Take care, and have a wonderful summer.

Susan & Marc

Susan R. Kahn

TRAINEE SPOTLIGHT: FELLOWSHIP AWARDEES

We are pleased to announce the Spring 2021-2022 Research Fellowship Award recipients. The network received several strong applications for this competition. The review committee selected two fellowship award recipients. Congratulations to the awardees and thanks to all who applied.

CanVECTOR's Fellowship Awards would not be possible without the generous support of our partners, including in-kind fellowship funding support from the University of Toronto Department of Medicine and funding from Thrombosis Canada in this competition.



Dr. Camille Simard
McGill University

Awarded: Thrombosis Canada CanVECTOR Fellowship

Supervisor: Dr. Vicky Tagalakis

PROJECT TITLE: Bleeding Complications in Women with Venous Thromboembolism during Pregnancy.

The primary objectives of this project are 1) To determine the incidence of pregnancy-related bleeding in women treated with LMWH for acute VTE. 2) To determine anticoagulant-specific (type, frequency and dose of LMWH), pregnancy specific (gestation, induction of labor, mode of delivery, type of anaesthesia) and patient-specific (age, parity, comedication, pregnancy-related complications) risk factors associated with antepartum, peripartum and postpartum bleeding. 3) To determine the incidence of all-cause and pregnancy-related bleeding mortality.



Dr. Natasha Rupani
University of Toronto

Awarded: CanVECTOR Fellowship

Supervisors: Dr. Jameel Abdulrehman | Dr. Rita Selby

PROJECT TITLE: Intracranial Hemorrhage in Patients with Primary Brain Tumors Anticoagulated for Venous Thromboembolism.

The primary objective of this project is to compare the risk of any ICH in patients with primary brain tumors with CAT treated with DOACs versus LMWH.

Secondary Objectives include: 1) To compare the risk of all major bleeding in patients with primary brain tumors with CAT treated with DOACs versus LMWH. 2) To compare the effectiveness of DOACs to LMWH in preventing recurrent VTE in patients with primary brain tumors.



COMING SOON!

Our [2021 Pilot Trials Competition](#) will launch soon with a Fall application deadline.

Stay tuned for complete details in the coming weeks!

TRAINEE SPOTLIGHT: STUDENTSHIP AWARDEES

This Spring we held our first Studentship Awards Competition through the Network's Translational / Basic Science Research Platform. We are pleased to announce that 8 awards have been granted in this competition to students at 5 universities across the country.

This competition would not be possible without the generous support of our partners, including direct funding for this competition from Alexion Pharmaceuticals for a *Complement-Mediated Associated Research Studentship Award* worth \$10,000 (CAD). Thank you to our partners for their continued support in training the next generation of thrombosis researchers.



Amin Zahrai, MSc Student
University of Ottawa

Supervisors: Dr. Aurélien Delluc | Dr. Marc Carrier

PROJECT TITLE: Anticoagulation in Patients with Cancer-Associated Splanchnic Venous Thrombosis



Erblin Cani, MSc Student
McMaster University

Supervisor: Dr. Patricia Liaw

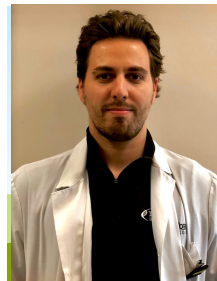
PROJECT TITLE: Mechanisms of Hypercoagulation in COVID-19 Patients



Lisa Yamaura, Msc
University of Calgary

Supervisor: Dr. Prism Schneider

PROJECT TITLE: Hypercoagulability in Patients with Metastatic Bone Disease as Determined by Thromboelastography: A Prospective Pilot Study (TEG MBD)



Justin Clark, PhD Student
Western University

Supervisor: Dr. Marlys Koschinsky | Michael Boffa

PROJECT TITLE: Evaluating the Role of Lipoprotein(a) in Embolic Strokes of Undetermined Source



Ganeem Juneja, MSc Student
McMaster University

Supervisor: Dr. Paul Kim

PROJECT TITLE: Investigating the Coagulopathic and Fibrinolytic Pathways that May Promote Venous Thromboembolism in COVID-19 Patients



Henry West, MSc Student
University of British Columbia

Awarded: Complement-Mediated Associated Research Studentship - Supported by Alexion

Supervisor: Dr. Ed Pryzdial

PROJECT TITLE: Virus Infection-Induced Venous Thromboembolism



Dr. Jaskirat Arora, MD, PhD Student
McMaster University

Supervisor: Dr. Alison Fox-Robichaud

PROJECT TITLE: The Role of Neutrophil Extracellular Traps in the Decreased Proteolytic Activity of ADAMTS13 in Venous Thromboembolism



Felix Hong, MSc Student
University of British Columbia

Supervisor: Dr. Hugh Kim

PROJECT TITLE: The Role of Periodontal Disease in Venous Thromboembolism



LET YOUR VOICE BE HEARD!

Did you enjoy the [2020-2021 CanVECTOR National Thrombosis Seminars](#)? Do you have ideas for next year? Please take a few minutes to answer our brief [survey](#)!

INTRODUCING THE POPULATION AND HEALTH SERVICES RESEARCH PLATFORM; OPEN TO NEW MEMBERS

Dr. Vicky Tagalakis, McGill University, and Dr. Alejandro Lazo-Langer, Western University, are excited to announce that members of the Quality of Care and Effectiveness Platform, which they lead, have elected to change the platform name to Population and Health Services Research Platform.

The platform has a long-standing mission to identify and characterize gaps in venous thromboembolism care, which in turn can inform knowledge translation strategies. The network primarily uses provincial healthcare administrative databases to conduct large-scale population-based studies focused on the effectiveness and safety of known treatments of venous thromboembolism. Some of the platform's research includes studying the real-world use of direct oral anticoagulants in patient populations often excluded from clinical trials, such as patients with renal insufficiency and patients with cancer.

"We are primarily focused on defining treatment gaps at the population level, but we realize that several of our platform members are conducting important quality improvement research projects that aim to enhance patient safety and improve gaps in care and health services for patients with thrombotic disorders" explains Dr. Tagalakis. For example, Dr. Koolian, a quality improvement researcher from McGill University and a platform member, recently showed unnecessary delays in emergency hip fracture surgery for patients receiving anticoagulants compared to patients without anticoagulants. Her work is leading to immediate improvements in local processes in the perioperative management of anticoagulants in patients presenting with hip fracture to the emergency room.

"Our platform's new name – Population and Health Service Research - better reflects the research within our platform addressing care gaps at the population level and improving health services at the local setting," says Dr. Tagalakis.

The platform currently includes 15 members and looks forward to broadening its membership in the coming months to include quality improvement researchers in venous thromboembolism and anticoagulation.

CanVECTOR members interested in getting involved in the platform are encouraged to reach out to the platform at info@canvector.ca [here](#)

|| OUR NEW
PLATFORM NAME –
POPULATION AND
HEALTH SERVICES
RESEARCH -
BETTER REFLECTS
THE RESEARCH
WITHIN OUR
PLATFORM
ADDRESSING
CARE GAPS AT THE
POPULATION
LEVEL AND
IMPROVING
HEALTH SERVICES
AT THE LOCAL
SETTING ||

- Dr. Vicky Tagalakis, Co-Lead of the Population & Health Services Research Platform.

SAVE-THE-DATE - ANNUAL CONFERENCE 2021

CanVECTOR will host its 2021 Annual Conference in collaboration with **Thrombosis Canada** from November 4-6th, 2021 in Toronto, ON. This year's conference will be a hybrid event - hosted both in-person and virtually.

The theme of the conference, co-Chaired by Dr. Maha Othman, Queen's University, and Dr. Cynthia Wu, University of Alberta, is **Create, Connect, Collaborate: Promoting Excellence in Knowledge & Practice to Prevent VTE**. Planning is well underway and we look forward to sharing our exciting lineup of speakers, workshops, and more.

Stay tuned and save-the-date!





ENDOWED CHAIR IN HONOUR OF DR. CLIVE KEARON

In case you missed it - McMaster University is establishing an endowed chair in honor of Dr. Clive Kearon. Built upon a substantial contribution from TaARI, their goal is to establish and launch a fully endowed chair to honor Dr. Kearon's legacy.

Please consider making a donation to this extremely worthwhile cause [here](#).



RECENT PUBLICATIONS KUDOS FOR ACKNOWLEDGEMENT OF CANVECTOR SUPPORT!

Kovacs MJ, Wells PS, Anderson DR, Lazo-Langner A, Kearon C, Bates SM, Blostein M, Kahn SR, Schulman S, Sabri E, Solymoss S, Ramsay T, Yeo E, Rodger MA; PERIOP2 Investigators. [Postoperative low molecular weight heparin bridging treatment for patients at high risk of arterial thromboembolism \(PERIOP2\): double blind randomised controlled trial.](#)

Ikesaka R, Siegal D, Mallick R, Wang TF, Witham D, Webb C, Carrier M; Canadian Venous Thromboembolism Research Network (CanVECTOR). [Thromboprophylaxis with rivaroxaban in patients with malignancy and central venous lines \(TRIM-Line\): A two-center open-label pilot randomized controlled trial.](#) Res Pract Thromb Haemost. 2021 May 5;5(4):e12517.

Salehi L, Phalpher P, Yu H, Jaskolka J, Ossip M, Meaney C, Valani R, Mercuri M. [Utilization of serum D-dimer assays prior to computed tomography pulmonary angiography scans in the diagnosis of pulmonary embolism among emergency department physicians: a retrospective observational study.](#) BMC Emerg Med. 2021 Jan 19;21(1):10.

Liechti FD, Beck T, Ruetsche A, Roumet MC, Limacher A, Tritschler T, Donzé JD. [Development and validation of a score to assess complexity of general internal medicine patients at hospital discharge: a prospective cohort study.](#) BMJ Open. 2021 May 6;11(5):e041205.

Brehaut JC, Lavin Venegas C, Hudek N, Presseau J, Carroll K, Rodger M. [Using behavioral theory and shared decision-making to understand clinical trial recruitment: interviews with trial recruiters.](#) Trials. 2021 Apr 21;22(1):298.

Khan F, Tritschler T, Kahn SR, Rodger MA. [Venous thromboembolism.](#) Lancet. 2021 Jul 3;398(10294):64-77.

Sohrabipour S, Muniz VS, Sharma N, Dwivedi DJ, Liaw PC. [Mechanistic Studies of Dnase I Activity: Impact of Heparin Variants and PAD4.](#) Shock. 2021 May 24.

Li, K.X., Diendéré, G., Galanaud, J.-P., Mahjoub, N. and Kahn, S.R. (2021), [Micronized purified flavonoid fraction for the treatment of chronic venous insufficiency, with a focus on postthrombotic syndrome: A narrative review.](#) Res Pract Thromb Haemost, 5: e12527.

Germini F, Hu Y, Afzal S, Al-Haimus F, Puttagunta SA, Niaz S, Chan T, Clayton N, Mondoux S, Thabane L, de Wit K. [Feasibility of a quality improvement project to increase adherence to evidence-based pulmonary embolism diagnosis in the emergency department.](#) Pilot Feasibility Stud. 2021 Jan 4;7(1):4.

Little DHW, Sutradhar R, Cerasuolo JO, Perez R, Douketis J, Holbrook A, Paterson JM, Gomes T, Siegal DM. [Rates of rebleeding, thrombosis and mortality associated with resumption of anticoagulant therapy after anticoagulant-related bleeding.](#) CMAJ. 2021 Mar 1;193(9):E304-E309.

Xu K, de Wit K, Geersing GJ, Takada T, Schutgens R, Elf J, Kearon C, Parpia S. [A simplified decision rule to rule out deep vein thrombosis using clinical assessment and D-dimer.](#) J Thromb Haemost. 2021 Jul;19(7):1752-1758.

Thank you to all these authors for acknowledging CanVECTOR in your publications. To view the current CanVECTOR Acknowledgment Policy with examples of how to acknowledge our network, click [here](#).

ISTH 2021

CANVECTOR HIGHLIGHTS



55+ poster abstracts with CanVECTOR members on study teams



Dr. Paul Kim selected to present a **Master Class session on Biochemistry of Coagulation and Fibrinolysis**



2 Late Breaking Abstracts involving 11 CanVECTOR members



Dr. Colin Kretz, Dr. Marc Carrier, & Dr. Alejandro Lazo-Langner selected to present in **State-of-the-Art Sessions!**



The # of CanVECTOR Members with abstracts & presentations at ISTH 2021

View the complete list of CanVECTOR member presentations and abstracts at ISTH 2021 [here](#).

NETWORK SUCCESS AT ISTH 2021

July 17-21, 2021
Virtual Congress

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MONTREAL OFFICE

Jewish General Hospital –
Lady Davis Institute
3755 Cote-Sainte-Catherine Road.
Montreal, Quebec
H3T 1E2

OTTAWA OFFICE

Ottawa Hospital –
General Campus
501 Smyth Road.
Ottawa, Ontario
K1H 8L6



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info@canvector.ca