

Annual Report
Division of Internal Medicine
Department of Medicine - Jewish General Hospital
January 1 - December 31, 2013

SUMMARY

The Internal Medicine Division continues to provide most of the hospital's functions caring for more than 150 in-patients on a daily basis outside the Clinical Teaching Units. In spite of the many obligations, our division is one of the most accomplished in research with four of our members devoting more than 50% of their time in highly productive research activities.

1. Research and Publications:

In addition to our divisional members presenting world wide they have also been given recognition for their articles published in many well known medical journals.

Secured grants for the Internal Medicine Division for their research are: Dr. John Hoffer \$108,196.00 for his research in Vitamin C & D treatment, Dr. Susan Kahn received \$473,869.00 for her research in Thrombosis, Dr. Vicky Tagalakakis received \$42,579.00 for her research in Epidemiology & Venous Thrombosis, Dr. Schiffrin received \$648,489.66 for his research in hypertension, heart and stroke disease.

2. Teaching and learning (undergraduate and graduate)

Teaching Activities:

Clinical Teaching Unit: 4 weeks/year, Staff: 10, Residents: 6, Students: 2; Drs. R. Becker, R. Bunea, M. Elizov, J. Raffoul, L. Trudeau, V. Tagalakakis, B. Cummings, S. Kahn, B. Schwartz, J. Lipes

Ambulatory Internal Medicine Clinics: 4 clinics/week, Staff: 10, Residents 20-25, Students: 8 Drs. R. Becker, R. Bunea, M. Elizov, B. Cummings, S. Kahn, J. Raffoul, L. Trudeau, V. Tagalakakis, J. Hoffer, J. Lipes, B. Schwartz

Consult Service: 7 day/wk, Staff: 6, Residents: 1, Fellows: 1; Drs. B. Cummings, M. Elizov, R. Bunea, J. Raffoul, L. Trudeau, V. Tagalakakis, B. Schwartz

Emergency Room/Medical Short Stay Unit: 7day/wk, Staff: 6, Residents: 6, Students: 4; Drs. R. Becker, R. Bunea, M. Elizov, B. Cummings, J. Raffoul, L. Trudeau, V. Tagalakakis, B. Schwartz

Core Lectures: 10 hrs/year: Staff: 6, Residents: 20-30; Drs. R. Becker, R. Bunea, M. Elizov, B. Cummings, S. Kahn, J. Raffoul, L. Trudeau, V. Tagalakakis, J. Hoffer, B. Schwartz, J. Lipes

Orals & Exams: 11 hrs/year Students: 16-20; Drs. R. Becker, R. Bunea, M. Elizov, B. Cummings, S. Kahn, J. Raffoul, L. Trudeau, V. Tagalakakis, J. Hoffer, B. Schwartz, J. Lipes

Professional Skills Tutorial Group: 48 hrs/year, Students: 16-20; Drs. M. Elizov, B. Cummings, B. Schwartz, J. Lipes

Echocardiography Courses: Critical Care Fellowship, 8 hrs/year, Dr. J. Lipes
Simulation center, 24 hours/year, Drs V. Tagalakis, R. Bunea, M. Elizov, B. Schwartz
Intensive Care Teaching Unit, 10 weeks/year, Dr. J. Lipes
Intensive care Consults: 10 weeks/year,, Dr. J. Lipes

Clinical Activities:

Emergency Room/Medical Short Stay Unit/Consults: 8 weeks/yr: Drs. R. Becker, R. Bunea, M. Elizov, J. Raffoul, V. Tagalakis, L. Trudeau, B. Schwartz
Emergency Room/Medical Short Stay Unit/Consults: 2 weeks/yr: Drs. B. Cummings, S. Kahn
Nutritional Support Team Consultation: 16-20 weeks/year: Dr. J. Hoffer
Internal Medicine Out-Patient Residents Clinic: ½ clinic/week: Drs. R. Becker, R. Bunea, M. Elizov, J. Raffoul, V. Tagalakis, J. Hoffer, B. Cummings, L. Trudeau, B. Cummings, J. Lipes, B. Schwartz
Cardiovascular Prevention Center: 2 clinic/wk: Drs. E. Schiffrin, L. Trudeau
Resident's Hypertension Clinic: 2 clinic/wk: Drs. R. Becker, R. Bunea, M. Elizov, J. Raffoul, V. Tagalakis, J. Hoffer, L. Trudeau, B. Cummings, B. Schwartz, J. Lipes
Thrombosis Clinic: 2 day clinic per week, Drs. S. Kahn, V. Tagalakis
Pre-Operative Clinic: 1 ½ days per week: Drs. B. Cummings

3. Involvement in the community:

Hoffer, LJ

McGill

Evidence-based nutrition. Faculties of Science and Agricultural and Environmental Sciences Course 450, Research methods in human nutrition, JGH McGill University Hospital Centre, Montreal, Qc October 25, 2013

Starvation and malnutrition. Faculties of Science and Agricultural and Environmental Sciences Course 307, Human Nutrition, JGH, McGill University Hospital Centre, Montreal, Qc December 2, 2013

Introduction to Internal Medicine medical student seminar: assessment of blood pressure, JGH McGill University Hospital Centre, Montreal, Qc January 30, 2013

Introduction to Internal Medicine medical student seminar: assessment of blood pressure, JGH McGill University Hospital Centre, Montreal, Qc, May 8, 2013

Medical student core clerkship seminar: evaluation of dyspnea, JGH, McGill University Hospital Centre, Montreal, Qc, June 19, 2013

National

Les carences en vitamines chez des patients hospitalisés. Service de médecine métabolique du Département de biochimie du Centre hospitalier de l'Université de

Montréal (CHUM), Montreal, QC, April 5, 2013

Effects of vitamin C and D supplementation on mood and distress in acutely hospitalized patients. Orthomolecular Medicine Today, 42^d Annual International Conference, Toronto, ON, April 27, 2013

Dr. Rogers Prize Lecture: The Abram Hoffer Collection at the University of Saskatchewan. Orthomolecular Medicine Today, 42^d Annual International Conference, Toronto, ON, April 28, 2013

Kahn, SR

McGill

How to get started in VTE research. McGill General Internal Medicine Research Seminar. Montreal. December 17, 2013.

VTE prophylaxis in orthopedic surgery patients. McGill Joint Orthopedic Grand Rounds, Montreal. December 12, 2013.

The SMARTER Trial: Rationale and roll-out at JGH. JGH Internal Medicine Rounds. October 17, 2013.

Surgical thromboprophylaxis. McGill University General Internal Medicine training program education session. September 24, 2013.

The SOX Trial: A multicenter randomized placebo controlled trial of compression stockings to prevent the post-thrombotic syndrome after proximal deep venous thrombosis. McGill University Department of Epidemiology, Biostatistics and Occupational Health, Seminar Series. February 18, 2013.

The SOX Trial. JGH Thrombosis Rounds. February 13, 2013.

National

VTE prophylaxis in a rehabilitation centre: When, what and how? Catherine Booth Hospital. Montreal, QC, December 17, 2013.

ACCP 2012 guidelines: VTE in pregnancy. Internal Medicine Rounds, Queen Elizabeth Hospital. Charlottetown, PEI, October 25, 2013.

ACCP 2012 guidelines: Prevention of VTE. Grand Rounds, Queen Elizabeth Hospital. Charlottetown, PEI, October 24, 2013.

Diagnosis and management of the post-thrombotic syndrome. Canadian Society of Internal Medicine Annual Scientific Meeting. Toronto, ON, October 2, 2013.

Prevention of VTE in hospitalized cancer patients. Western Regional Cancer-

Associated Thrombosis Meeting. Calgary, AB, June 15, 2013.

Treatment of cancer-associated VTE. Western Regional Cancer-Associated Thrombosis Meeting. Calgary, AB, June 15, 2013.

Thrombosis in travelers. State of the Clot: The Changing Face of Venous Thromboembolism Atlantic Hematology Symposium 2013. Halifax, NS, May 11, 2013.

The key to a successful RCT application. Venous Thromboembolism Clinical Trials Organization (VECTOR) Pan- Canadian Biennial Scientific Conference. Halifax, NS, May 10, 2013.

The SOX Trial. Venous Thromboembolism Clinical Trials Organization (VECTOR) Pan-Canadian Biennial Scientific Conference. Halifax, NS, May 10, 2013.

Thrombolysis for acute DVT: weighing the evidence. Hematology Grand Rounds, Dalhousie University. Halifax NS, April 11, 2013.

Improving outcomes after deep venous thrombosis: research challenges. Keynote Invited Speaker, Department of Medicine Annual Research Day, Dalhousie University. Halifax NS, April 11, 2013

International

New oral anticoagulants: Issues for travelers. 23rd Semiannual Multinational Corporation Group Meeting, Army Navy Club. Washington, DC, December 6, 2013.

Villalta PTS Assessment and other clinical efficacy outcomes. ACCESS DVT Investigators Meeting. Atlanta, GA, September 26, 2013.

The relationship between intensity and duration of anticoagulation and recurrent VTE. XVII World Meeting of the International Union of Phlebology. Boston, MA, September 12, 2013.

Anticoagulant strategies for reducing post-thrombotic syndrome. XVII World Meeting of the International Union of Phlebology. Boston, MA, September 10, 2013.

Post-thrombotic syndrome: Evidence-based update on prevention and treatment. XXIV Congress of the International Society on Thrombosis and Haemostasis (ISTH). Amsterdam, The Netherlands, July 1, 2013.

Invited to deliver Master Class on Post-thrombotic syndrome. XXIV Congress of the International Society on Thrombosis and Haemostasis (ISTH). Amsterdam, The Netherlands, June 30, 2013.

Clots or Shots: Heparin for travelers, pro and con-A Debate. 13th Conference of the International Society of Travel Medicine (CISTM13). Maastricht, The Netherlands, May 21, 2013.

The Anticoagulated traveler: Issues and Answers. 13th Conference of the International Society of Travel Medicine (CISTM13). Maastricht, The Netherlands, May 20, 2013.

Assessment of post thrombotic syndrome. NIH-funded ATTRACT Study Investigators meeting. St Louis, MO, March 17-18, 2013.

Improving patient outcomes after deep venous thrombosis: where do we go now? Keynote Speaker, D. Eugene Strandness Memorial Lecture. American Venous Forum 25th Silver Anniversary Annual Meeting. Phoenix, AZ, March 2, 2013.

Schiffrin, EL

McGill

Inflammation and immune mechanisms in hypertension. Medical Grand Rounds, McGill University Hospital Centre, Montreal, Qc, February 19, 2013.

National

State of the Art Lecture on Immunity and hypertension at the Canadian Hypertension Congress, Montreal, October 17, 2013.

2013 Canadian Cardiovascular Society Research Achievement Award Lecture at the Canadian Cardiovascular Congress, Montreal, October 17, 2013.

Endothelial Function in Health and Disease at the official symposium on “Beyond Blood Pressure Reduction: The heterogeneous pharmacologic and clinical effects of beta-blockers” at the Canadian Cardiovascular Congress, Montreal, October 19, 2013.

International

Immune mechanisms in hypertension. Invited Featured Lecture at the XVI Capri Conference “Novel mechanisms and clinical aspects of cardiovascular disorders”, Capri, Italy, April 12-13, 2013.

Inflammation and immunity in hypertension. Invited lecture at the IX International Symposium on Vasoactive Peptides. Belo Horizonte, Brazil, May 3-4, 2013

American Society of Hypertension Distinguished Scientist Award Lecture. American Society of Hypertension 2013 Scientific Meeting, San Francisco, May 17, 2013.

Vascular remodeling in chronic kidney disease at the official symposium entitled “Chronic Kidney Diseases in Hypertension”, during the World Hypertension Congress 2013, World Hypertension League meeting, Istanbul, Turkey, June 29, 2013.

Novel approaches to the treatment of hypertension. Cardiovascular Division Grand Rounds, Fu Wai Hospital, Beijing, China, August 1, 2013.

Pharmacologic treatment of hypertension at the International Society of Hypertension, Asia Pacific Society of Hypertension and Chinese Hypertension League Teaching

Workshop on Hypertension, Taiyuan, China, August 2, 2013.

Pharmacologic treatment of hypertension at the International Society of Hypertension, Asia Pacific Society of Hypertension and Chinese Hypertension League Teaching Workshop on Hypertension, Kunming, China, August 3, 2013.

Immune and inflammatory mechanisms in vascular remodeling in hypertension. Hypertension Institute, Rui Jin Hospital, Shanghai, China, August 5, 2013.

Systolic blood pressure control: exploring the interplay between the natriuretic peptide system and the RAAS at the official symposium of the European Society of Cardiology: Exploring new directions in the treatment of systolic hypertension: modulation of the natriuretic peptide system and the RAAS, Amsterdam, September 2, 2013.

Björn Folkow Lecture: Effects of immune mechanisms on the vasculature in hypertension at the 11th International Symposium on Mechanisms of Vasodilatation, Zurich, Switzerland, October 5, 2013.

Future Treatments of Hypertension at the WORKSHOP NATIONAL « Impact des facteurs de risque sur la plasticité vasculaire », Paris, France, October 11, 2013.
Vascular mineralocorticoid receptors regulate blood pressure effects on myogenic tone and role in aging, Tokyo, October 22, 2013.

Vascular mineralocorticoid receptors regulate blood pressure effects on myogenic tone and role in aging, Mie University Hospital, Tsu, Japan, October 23, 2013.

A critical analysis of the ESC/ESH guidelines for the management of hypertension, invited lecture, 36th Annual Scientific Meeting of the Japanese Society of Hypertension Society, Osaka, October 24, 2013.

Aldosterone, a pathophysiological mediator of cardiovascular disease, 36th Annual Scientific Meeting of the Japanese Society of Hypertension Society, Osaka, October 24/13

Tagalakis, V

McGill

Tagalakis V. Treatment of venous thromboembolism: the role of the new oral anticoagulants. Oral presentation at: 64th Annual Refresher Course for Family Physicians, McGill University, Montreal, Canada, 2013.

Tagalakis V. Practical considerations with the new oral anticoagulants. Oral presentation at: 64th Annual Refresher Course for Family Physicians, McGill University, Montreal, Canada, 2013.

Tagalakis V. Invited panelist to discuss with McGill professors on cardiovascular health. The next step to cardiovascular health. McGill University, Montreal, Canada, 2013.

Tagalakis V. New oral anticoagulants for the treatment of venous thrombosis. Oral presentation at: Family Medicine Grand Rounds, Jewish General Hospital, McGill University, Montreal, 2013.

National

Tagalakis V. Insights into the new oral anticoagulants and venous thromboembolism. Oral presentation at: The Annual Meeting AMHOQ (Association des médecins hématologues et oncologues du Québec); 2013 May 4; Quebec, Canada.

International

Rabinovich A, Cohen JM, Cushman M, Houweling AH, Shapiro S, Wells PS, Rodger MA, Kovacs MJ, Anderson D, Tagalakis V, Lazo-Langner A, Solymoss S, Miron MJ, Yeo E, Smith R, Schulman S, Kassis J, Kearon C, Chagnon I, Wong T, Demers C, Hanmiah R, Kaatz S, Selby R, Rathbun S, Desmarais S, Opatrny L, Ortel TL, Ginsberg JS, Kahn SR. Inflammation Markers and The Risk Of Post Thrombotic Syndrome: Results From The Bio-Sox Study. Oral presentation at: 55th ASH Annual Meeting and Exposition; 2013 December 8; New Orleans, Louisiana.

Kahn SR, Shapiro S, Wells PS, Rodger MA, Kovacs MJ, Anderson D, Tagalakis V, Houweling AH, Ducruet T, Solymoss S, Miron MJ, Yeo E, Smith R, Schulman S, Kassis J, Kearon C, Chagnon I, Wong T, Demers C, Hanmiah R, Kaatz S, Selby R, Rathbun S, Desmarais S, Opatrny L, Ortel TL, Ginsberg JS. Predictors Of The Post-Thrombotic Syndrome In a Large Cohort Of Patients With Proximal DVT: Secondary Analysis Of The Sox Trial. Oral presentation at: 55th ASH Annual Meeting and Exposition; 2013 December 9; New Orleans, Louisiana.

Tagalakis V, Xu*, Ciampi A. Using model-based clustering to identify patterns of INR trajectories following warfarin initiation. Oral presentation at: XXIV Congress of The International Society on Thrombosis and Haemostasis (ISTH); 2013 June 29-July 4; Amsterdam, Netherlands.

Tagalakis V, Patenaude V, Kahn SR, Suissa S. Treatment patterns of venous thromboembolism in a real world population: The Q-VTE study cohort. Oral presentation at: XXIV Congress of The International Society on Thrombosis and Haemostasis (ISTH); 2013 June 29-July 4; Amsterdam, Netherlands.

Tagalakis V, Patenaude V, Kahn SR, Suissa S. The effect of venous thromboembolism treatment patterns and clinical outcomes in a real world population: The Q-VTE study cohort. Oral presentation at: XXIV Congress of The International Society on Thrombosis and Haemostasis (ISTH); 2013 June 29-July 4; Amsterdam, Netherlands.

Lalonde AES*, Tagalakis V, Trudeau L, Holcroft C, Schiffrin EL. The BpTRU automated blood pressure device: a surrogate for ambulatory blood pressure monitoring? Oral presentation at: American Society of Hypertension 28th Annual Scientific Meeting and Exposition; 2013 May 15-18; San Francisco, California.

Trudeau, Luc

McGill

Hyponatremia: A New Treatment for an Old Problem, Jewish General Hospital, Division of Internal Medicine Rounds, April 11, 2013

Update on Canadian Hypertension Guidelines, Jewish General Hospital, Department of Family Medicine, June 18, 2013

Update on the Canadian guidelines on the treatment of lipids, Jewish General Hospital, Department of Family Medicine, October 1, 2013

Canadian Hypertension Guidelines for the residents, Jewish General Hospital, Department of Family Medicine, July 31, 2013

Time for Better Blood Pressure Measurements: Improving Outcomes in Hypertension, Jewish General Hospital, Medicine Grand Rounds, February 18, 2013

New Oral Anticoagulants: Are they all the same? Jewish General Hospital, Division of Internal Medicine Rounds, November 14, 2013

The 2013 CHEP Recommendations, McGill Annual Refresher Course for Family Physicians, Plenary Session, December 2, 2013

Train the Trainer Workshop – Hypertension Management, McGill Refresher Course for Family Physicians, Plenary Session, December 3, 2013

Provincial

Contrôler l'hypertension artérielle de manière optimale et son importance ? Association des Médecins omnipraticiens de l'ouest du Québec, Gatineau, QC, November 22, 2013
La protection cardiovasculaire pour les patients à haut risque: quel est l'intérêt en 2013? FMOQ Richelieu Saint-Laurent, St-Jean-sur-Richelieu, November 27, 2013

Update on sodium and blood pressure reduction. Annual Canadian Hypertension Education Program Consensus Meeting, Montreal, QC, October 16, 2013

What's your number? – Public Forum on Hypertension. Hypertension Canada, Montreal, QC, October 16, 2013

Implementing Hypertension Evidence in Practice. Annual Hypertension Canada meeting, Montreal, QC, October 19, 2013

International

BpTRU Automated Blood Pressure Device: A Surrogate for Ambulatory Blood Pressure Monitoring? Poster FP-7, Annual Meeting of the American Society of Hypertension. Andrea E. S. Lalonde, Luc Trudeau, Christina Holcroft, Vicky Tagalakis, Ernesto L. Schiffrin, San Francisco, CA, USA, May 16, 2013

4. Partnerships: None to report

5. Honours, awards, and prizes:

The Division of Internal Medicine members have received career awards and or honors of recognition towards their research. Dr. Elizov received \$29,000.00 for here research in Mentorship in Clinic Medicine. She also received the 2012-2013 Richard and Sylvia Cruess Faculty Scholar in Medical Education. Vicky Tagalakis was awarded McGill Faculty Honour List for Educational Excellence. Dr. Schiffin received the Queen Elizabeth II Diamond Jubilee Medal, 2013 and the Robert Tigerstedt Distinguished Scientist Award, American Society of Hypertension, 2013 and the Research Achievement Award, Canadian Cardiovascular Society, 2013. Dr. S. Kahn received the Research Award to my trainee: Dr. Anat Rabinovich (MD). Winner of the ASH Abstract Achievement Award: “Inflammation Markers and The Risk Of Post Thrombotic Syndrome: Results From The Bio-SOX Study”. Presented at the 55th Annual Meeting of the American Society of Hematology, December 7-10, 2013, New Orleans, LA. Blood Dr, Jed Lipes received a Clinician-research support award from the Department of Medicine. 10,000\$.

6. Milestones:

Dr. Blair Schwartz has joined the Jewish General Hospital in the Division of General Internal Medicine on June 20, 2013.

After completing Internal Medicine residency at the Jewish General Hospital, Dr. Schwartz pursued dual fellowship training in General Internal Medicine and Critical Care Medicine at McGill University. He then went on to complete a Master’s of Health Science in Clinical Investigation at the Johns Hopkins Bloomberg School of Public Health, where he focused on patient safety and associated research methodology.

In addition to clinical practice in Internal Medicine and the Intensive Care Unit, Dr. Schwartz’s general research interests include the development, implementation and research-based evaluation of interventions designed to improve the safety and quality of health care for hospitalized patients. His particular areas of interest include resuscitation of in-hospital cardiac arrest, device-related infections, medication errors and effective sign-overs.

7. Fundraising: None to report.

SECTION 1 – DIVISION STATUS

1. Mission and objectives of the Division

The Division of Internal Medicine will continue to enhance McGill University in their role as one of Quebec’s leading teaching institutions. Our Division fulfills its role in achieving high standards in all aspects of academic medicine. All physicians in the division have a clear

academic role. Recruitment is the most important priority as the burden of clinical service has become increasingly higher over the years.

2. A nominative list of academic staff, their academic rank

- ... Dr. Rubin Becker, Chief, Division of Internal Medicine, Jewish General Hospital; Medical Director, Mount Sinai; Chief of Medicine, Jewish Rehabilitation Hospital; Associate Professor of Medicine, McGill University
- ... Dr. Ruxandra Bunea, Director, Postgraduate Education, Jewish General Hospital; Assistant Professor McGill University
- ... Dr. Vicky Tagalakis: Research Director, Department of Medicine, Jewish General Hospital, Program Director for Internal Medicine Fellowship Training Program and Associate Professor, McGill University
- ... Dr. Susan Kahn: Director, Thrombosis Clinic, Jewish General Hospital; Associate Co-Director, Lady Davis Institute for Medical Research; Professor of Medicine, McGill University
- ... Dr. Beth Cummings: Director, Undergraduate Medical Education, Jewish General Hospital; Clerkship Program Chair and Assistant Professor, McGill University
- ... Dr. Ernesto Schiffrin: Physician-in-Chief and Director of the Cardiovascular Prevention Centre, Jewish General Hospital; Canada Research Chair in Hypertension and Vascular Research, Lady Davis Institute for Medical Research; Professor and Vice-Chair (Research), Department of Medicine, McGill University.
- ... Dr. Joseph Raffoul: CTU Director and Medical Gatekeeper Jewish General Hospital; Assistant Professor of Medicine, McGill University
- ... Dr. John Leonard Hoffer: Professor of Medicine, McGill University
- ... Dr. Michelle Elizov: McGill Representative, Board of Directors, Canadian Association of Medical Education; Director of Medical Education Elective Program and Co-Director of Medical Education Fellowship Program, Centre for Medical Education, and Associate Professor of Medicine, McGill University
- ... Dr. Luc Trudeau: Assistant Professor, McGill University
- ... Dr. Blair Schwartz: Assistant Professor, McGill University
- ... Dr. Harvey Chang: Assistant Professor, McGill University
- ... Dr. Jed Lipes: Assistant Professor, McGill University, Director of Critical Care Ultrasound and Echocardiography, Critical Care Fellowship program, McGill University, Director of bedside ultrasound training for core internal medicine, McGill University

SECTION II – PUBLICATIONS, AND SERVICES OUTSIDE MCGILL

1. Grants and awards received

Research, Grants & Awards: See Annex 1

2. Scholarly works published in the 2013 calendar year:

Hoffer, John Leonard

--**Hoffer LJ**, Bistran BR. Why critically ill patients are protein deprived. *JPEN J Parenter Enteral Nutr* 2013;37:300-9

--Wang Y, Liu XJ, Robitaille L, Eintracht S, MacNamara S, **Hoffer LJ**. Effects of vitamin C and vitamin D administration on mood and distress in acutely hospitalized patients. *Am J Clin Nutr* 2013;98:705-711

Kahn, Susan

--*Rabinovich A, *Cohen J, **Kahn SR**. The predictive value of markers of fibrinolysis and endothelial dysfunction in the post thrombotic syndrome: A systematic review. *Thromb Haemost* 111(6).

--**Kahn SR**, Shapiro S, Wells PS, Rodger MA, Kovacs MJ, Anderson DR, Tagalakis V, Houweling AH, Ducruet T, Holcroft C, Johri M, Solymoss S, Miron M-J, Yeo E, Smith R, Schulman S, Kassis J, Kearon C, Chagnon I, Wong T, Demers C, Hanmiah R, Kaatz S, Selby S, Rathbun S, Desmarais S, Opatry L, Ortel TL and Ginsberg JS for the SOX Trial investigators. Compression stockings to prevent post-thrombotic syndrome: A randomised placebo-controlled trial. *The Lancet*, 2014 383(9920):880-888.

--*Rabinovich A, *Cohen JM, Prandoni P, **Kahn SR**. Association between Thrombophilia and the Post Thrombotic Syndrome: A Systematic Review and Meta-analysis. *J Thromb Haemost* 2014;12(1):14-23.

--Schulman S, Kakkar AK, Goldhaber SZ, Schellong S, Eriksson H, Mismetti P, Vedel Christiansen A, Friedman J, Le Maulf F, Peter N, Kearon C; for the RE-COVER II trial investigators (includes **Kahn S**). Treatment of Acute Venous Thromboembolism with Dabigatran or Warfarin and Pooled Analysis. *Circulation* 2013 Dec 16.

--Anderson DR, Dunbar MJ, **Kahn SR**. Aspirin versus low-molecular-weight heparin after total hip arthroplasty. *Ann Intern Med* 2013;159(7):502-503.

--Gandara E, Kovacs M, **Kahn SR**, Wells P, Anderson D, Chagnon I, Antoine I, Le Gal G, Solymoss S, Crowther M, Carrier M, Langlois N, Kovacs J, Little J, Carson N, Ramsay T, Rodger M. Non-OO blood type influences the risk of recurrent venous thromboembolism. A cohort study. *Thromb Haemost* 2013;110(6):1172-1179.

--Hokusai-VTE Investigators (includes **Kahn SR**), Büller HR, Décousus H, Grosso MA, Mercuri M, Middeldorp S, Prins MH, Raskob GE, Schellong SM, Schwocho L, Segers A, Shi M, Verhamme P, Wells P. [Edoxaban versus warfarin for the treatment of symptomatic venous thromboembolism](#). *NEJM* 2013;369:1406-1415.

--Tagalakis V, Patenaude V, **Kahn SR**, Suissa S. Incidence of and mortality from venous thromboembolism in a real world population: The Q-VTE Study Cohort. *Am J Med* 2013;126(9):832.e13-21.

--Kramer MS, **Kahn SR**, Dahhou M, Otvos J, Genest J, Platt RW, Evans RW. Maternal lipids and small for gestational age birth at term. J Pediatr. 2013;163(4):983-988.

--Guyatt G, Eikelboom JW, Akl EA, Crowther M, Gutterman D, **Kahn SR**, Schunemann H, Hirsh J. A guide to GRADE guidelines for the readers of JTH. J Thromb Haemost. 2013;11(8):1603-1608.

--**Kahn SR**, *Morrison DR, *Cohen JM, Emed J, Tagalakis V, Roussin A, Geerts W. Interventions for implementation of thromboprophylaxis in hospitalized medical and surgical patients at risk for venous thromboembolism. Cochrane Database of Syst Rev 2013, Issue 7. Art. No.: CD008201. **Selected for review by ACP Journal Club. 2013 Nov 19;159(10):JC10.**

--Varga C, Al-Touri S, Papadoukakis S, Caplan S, **Kahn S**, Blostein M. The effectiveness and safety of fixed low-dose prothrombin complex concentrates in patients requiring urgent reversal of warfarin (CME). Transfusion 2013;53(7):1451-8.

--*Rabinovich A, **Kahn SR**. Association between thrombophilia and the post-thrombotic syndrome. Int J Vasc Med. 2013;2013:643036.

--Guyatt G, Eikelboom J, Crowther M, Akl E, Francis C, Garcia D, Gould M, Hylek E, **Kahn S**, Kunz R, Quinlan D, Vandvik P, Hirsh J. A response to - There's madness in their methods. J Thromb Haemost. 2013 Apr;11(4):785-6.

--Gauthier K, Kovacs MJ, Wells PS, Le Gal G, Rodger M, for the REVERSE investigators (includes **Kahn SR**). Family history of venous thromboembolism (VTE) as a predictor for recurrent VTE in unprovoked VTE patients. J Thromb Haemost 2013; 11: 200-203.

--Anderson DR, Dunbar MJ, Bohm ER, Belzile E, **Kahn SR**, Zukor D, Fisher W, Gofton W, Gross P, Pelet S, Crowther M, Macdonald S, Kim P, Pleasance S, Davis N, Andreou P, Wells P, Kovacs M, Rodger MA, Ramsay T, Carrier M, Vendittoli PA. Aspirin versus low-molecular-weight heparin for extended venous thromboembolism prophylaxis after total hip arthroplasty: a randomized trial. Ann Intern Med 2013;158(11):800-806.

--Tagalakis V, Tamim H, Blostein M, Hanley JA, **Kahn SR**. Risk of prostate cancer death in long-term users of warfarin: a population-based case control study. Cancer Causes and Control 2013 Jun;24(6):1079-1085.

--Kramer MS, Lydon J, Goulet L, **Kahn S**, Dahhou M, Platt RW, Sharma S, Meaney MJ, Séguin L. Maternal stress/distress, hormonal pathways and spontaneous preterm birth. Paediatr Perinat Epidemiol. 2013;27(3):237-246.

--Vedantham S, Goldhaber SZ, **Kahn SR**, Julian J, Magnuson E, Jaff MR, Murphy TP, Cohen DJ, Comerota AJ, Gornik HL, Razavi MK, Lewis L, Kearon C. Rationale and Design of the ATTRACT Study: A multicenter randomized trial to evaluate pharmacomechanical catheter-directed thrombolysis for the prevention of postthrombotic

syndrome in patients with proximal deep vein thrombosis. Am Heart J 2013;165(4):523-530.

--*Galanaud J-P, Holcroft CA, Rodger MA, Kovacs MJ, Betancourt MT, Wells PS, Anderson DR, Chagnon I, Le Gal G, Solymoss S, Crowther MA, Perrier A, White RH, Vickars LM, Ramsay T, **Kahn SR**. Predictors of Post-Thrombotic Syndrome in a Population with a First Deep Vein Thrombosis and No Primary Venous Insufficiency. J Thromb Haemost 2013; 11(3):474-480.

--Schulman S, Kearon C, Kakkar AK, Schellong S, Eriksson H, Baanstra D, Kvanme AM, Friedman J, Mismetti P, Goldhaber SZ; RE-MEDY Trial Investigators (includes **Kahn SR**); RE-SONATE Trial Investigators. Extended use of dabigatran, warfarin, or placebo in venous thromboembolism. N Engl J Med. 2013 Feb 21;368(8):709-718.

--*Galanaud J-P and **Kahn SR**. The Post-Thrombotic Syndrome: A 2012 therapeutic update. Curr Treat Options Cardiovasc Med, 2013; 15(2):153-63.

--Tagalakis V, Wharin C, **Kahn SR**. A comprehensive update on the prevention and treatment of venous thromboembolism in cancer patients. Sem Throm Haemost 2013;39:127-140.

--*Bond RT, *Cohen JM, Comerota A, **Kahn SR**. The surgical treatment of moderate to severe post-thrombotic syndrome. Ann Vasc Surg. 2013 ;27(2):242-258.

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3. **Academic and community engagement service outside of McGill by individual members of the unit: see above under Community Involvement**

SECTION III – CONFIDENTIAL INFORMATION

1. **Consulting activities:**

Name of Faculty Member	Private Consults	Public Sector Consulting # of days	Other # of Days	# of Total Days
Dr. R. Becker		Internal Medicine Consults for Jewish Rehabilitation Hospital - 1 day/week		52
Dr. R. Becker		Mount Sinai Hospital - ½ day/week		26
Dr. J. Raffoul		Internal Medicine Consults Lakeshore General Hospital, 2 evening/month		24
Dr. J. Raffoul		Brunswick Medical Center -1 day/Month		12
Dr. L. Trudeau		Institut de Réadaptation - 1 day/month		12

Respectfully Submitted

Rubin Becker, MD
Chief, Division of Internal Medicine

Annex 1: Research, Grants & Awards

NAME	AGENCY	TITLE	External Grants	Career Awards	Industrial Contracts	Clinical Research Award
Elizov, M.	Department of Medicine. JGH	Mentorship in Clinical Medicine				12,000
Hoffer, Leonard J.	Université McGill	Vitamin therapy in JGH patients		2,834		
Hoffer, Leonard J.	Lotte & John Hecht Memorial Foundation	Study - Intravenous Vitamin C in combination with chemo therapy In lung cancer patients.	100,000			
Hoffer, Leonard J.	Immunotec Recherche	Method development to measure plasma amino acids and reduced total cysteine.			8,196	
Kahn, Susan Rebecca	Heart & Stroke Foundation of Ontario	P Wells - HSFO - Development and Validation of Clinical Prediction Ruls for Bleeding for Patients on Anticoagulant Therapy for Venous Thromboembolism	3,800			
Kahn, Susan Rebecca	Lawson Health Research Institute	A Prospective Study of Upper Extremity Deep Vein Thrombosis to Determine the Prevalence of Post-Thrombotic Syndrome in Patients Managed with Anticoagulation	9,500			
Kahn, Susan Rebecca	Canadian Institutes for Health Research	Prospective Evaluation of Long-Term Outcomes After Pulmonary Embolism: the Elope Study	38,544			
Kahn, Susan Rebecca	National Institutes of Health (USA) NIH	Suresh Vedantham -University of McMaster - Pharmacomechanical Catheter-Directed Thrombolysis for Acute DVT-Attract Trial	42,041			
Kahn, Susan Rebecca	Canadian Institutes for Health Research	CIHR-A Randomized, Placebo-Controlled Trial of Compression Stockings to Prevent the Post-Thrombotic	87,193			
Kahn, Susan Rebecca	Canadian Institutes for Health Research	Randomized Controlled Trail of Anticoagulation vs Placebo for a First Symptomatic Isolated Distal Deep-Vein Thrombosis (Iddvt): the Cactus-Pts Trial	126,171			
Kahn, Susan Rebecca	Quintiles Inc.	A Phase III, Randomized, Double-Blind, Double-Dummy, Parallel Group, Multi-Center, Multi-National Study for Evaluation of Efficacy and Safety of (Lmw) Heparin/Edoxaban Versus (Lmw) Heparin/Warfarin in Subjects with Symptomatic Deep-Vein Thrombosis And/Or			112,857	
Kahn, Susan Rebecca	Institut de recherche en sante d'Ottawa	REVERSE (Recurrent Venous Thromboembolism Risk Stratification Evaluation) a Study to Develop a Cl			1,190	
Kahn, Susan Rebecca	Institut de recherche en sante d'Ottawa	REVERSE -Recurrent Venous Thromboembolism Risk Stratification Evaluation II: Validation of the Men and Herdoo2 -A Clinical Decision Rule to Identify Patients with Unprovoked Venous Thromboembolism Who Can Discontinue Anticoagulants After Six Month			7,600	
Kahn, Susan Rebecca	Sanofi Aventis	Thrombosis Fellowship			45,000	
Schiffirin, Ernesto	Fondation des Maladies du Cœur du Canada (FMCC)	Bourse Attribuee a Une Etudiante Par La Societe Quebecoise D'Hypertension Arterielle / Niveau Post-Doctorat.		16666.66		
Schiffirin, Ernesto	Canadian Institutes for Health Research	MicroRNAs and Gene Regulation on Vascular Remodeling in Hypertension from Mice to Humans	51,827			
Schiffirin, Ernesto	Juvenile Diabetes Foundation Inter'l.	Nox-Derived Ros: Renal and Vascular Complications of Type 1 Diabetes	59,015			
Schiffirin, Ernesto	McGill University	Dean'S Funds - Vascular Phenotype Infrastructure: Molecular and Cellular Mechanisms of Vascular Remodeling In Hypertension and Metabolic Syndrome	75,000			
Schiffirin, Ernesto	Canadian Institutes for Health Research	Role of Endothelin in Hypertension and Vascular Injury	150,507			
Schiffirin, Ernesto	Canadian Institutes for Health Research	CIHR-T-Regulatory Cells and Vascular Injury in Hypertension	150,919			
Schiffirin, Ernesto	Institut Servier (L') (France)	Gene Expression Profile in Small Resistance Arteries in Patients with Hypertension with or without Nephroangiosclerosis and Its Relation to Small and Large Artery Function and Remodeling			145,062	
Tagalakis, Vicky	Canadian Institutes of Health Research	Statin Use and the Prevention of Recurrent Venous Thrombolism in the Elderly: the Staveno Study	12,727			
Tagalakis, Vicky	Heart and Stroke Foundation of Canada	Dr Mario Carrier - Heart and Stroke Foundation of Ontario - Na-6659 - Screening for Previously Undiagnosed Malignancy in Patients with Unprovoked Venous Thrombembolism: a Randomized Controlled Trial Using a Comprehensive Computed Tomography	12,500			
Tagalakis, Vicky	Canadian Institutes for Health Research	A Multicenter Randomized Controlled Trial of the Use of Extended Peri-Operative Low Molecular Weight Heparin to Improve Cancer Specific Survival Following Surgical Resection of Colon Cancer - Periop-01	750			
Tagalakis, Vicky	Eisai Research Institute	Dalteparin Sodium Injection (Fragmin), Multi-Center, Open Label, Single-Arm, Controlled Long-Term (53 Weeks) Study For Understanding Safety and Efficacy in Subjects with Malignancies and Symptomatic Venous Thromboembolism			8,602	
Tagalakis, V.	Department of Medicine. JGH	Epidemiology of venous thrombosis and pharmacoepidemiology				8,000