

Annual Report
Division of Internal Medicine, Department of Medicine
Sir Mortimer B. Davis – Jewish General Hospital
April 2006-May 31 2007

I Highlights

The past year has again presented challenges to the JGH Division of Internal Medicine. Our Internists continue to provide most of the hospital's functions caring for more than 100 inpatients on a daily basis outside the Clinical Teaching Units. The division is responsible for more than 10 daily medical consults in the Emergency Room and provides the gate keeping role for all admissions to medical beds. Each morning the division addresses the needs of nearly 20 patients in the Emergency Room that require medical reassessments and likely admission to the hospital. In addition to serving the vital functions of the hospital, the division has a tremendous responsibility to teaching students and residents both in the inpatient and outpatient setting.

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.

Over the years we have developed expertise in many domains and organized specialty clinics to deliver this expertise to the community. Examples of these domains include Thrombo-embolic disease, which led to the establishment of multi-specialty Thrombosis Clinic under the leadership of Dr. Susan Kahn. This year, the activity was extended to an inpatient Thrombosis consultation service. The Hypertension Clinic developed by Dr. Trudeau has been expanded in the new Nun's Pavilion to a more comprehensive Cardiovascular Prevention Unit under the direction of Dr. Schiffrin. Dr. Hoffer continues to offer expertise in Nutrition to both outpatients and inpatients. Dr. Chang provides expertise in palliative care as the Director of the Palliative Care Unit and Dr. Janice Cohen provides primary care to patients with neurological diseases, particularly stroke patients.

The division members also carry major roles in administrative functions. Dr Schiffrin, world-renowned internist, acts as our Chief of Medicine. Dr. Raffoul is the Director of 7west CTU, the Medical Short Stay Unit and the Medical Gatekeeper. Dr. Elizov is the site Program Director for core Internal medicine residents and Dr. Tagalakis is the McGill Program Director for Internal Medicine fellowship training program. Dr. Kahn is Director of the Thrombosis Clinic and one of the Associate Directors of the Lady Davis Institute. Dr. Becker is the Chief of the Division as well as Medical Director at Mount Sinai and Chief of Medicine at the Jewish Rehabilitation Hospital.

It is with a great deal of pride that I present the many functions and accomplishments of our division members.

The students and residents see our division members as exemplary role models. It is not surprising that the "Teacher of the Year" award was given, by popular vote, to Dr. Ruxandra Bunea. Many of our Internists have been recipients of this award in past years. Dr. Tagalakis was given a Clinical research award by the Department of Medicine. Our 4 outstanding researchers, Drs Schiffrin, Kahn, Tagalakis and Hoffer have all been recipients of numerous peer-reviewed grants, publications and awards for their strong scientific contributions.

In summary, the Division of Internal medicine, provides exemplary service in the 4 domains which include research, teaching, clinical service and administration.

II Evaluation of Past Academic Year

1) Teaching Activities

IIM (Link), 7 weeks/year: Dr. V. Tagalakis

CTU Ward Attending, 1 month/year: Drs. R. Becker, R. Bunea, M. Elizov, J. Hoffer, S. Kahn, J. Raffoul, , E. Schiffrin, L. Trudeau, V. Tagalakis

AIMC for residents and students: Preceptor for residents in Internal Medicine Clinic (4 clinics/week, 4-5 residents/students per clinic): Drs. R. Becker, J. Raffoul, L. Trudeau, M. Elizov, Dr. R. Bunea, Dr. J. Hoffer, Dr. V. Tagalakis

Consult Service: Resident supervision: Drs. R. Becker, R. Bunea, M. Elizov, J. Hoffer, S. Kahn, J. Raffoul, V. Tagalakis, L. Trudeau

ER/MSTU: Resident supervision: Drs. R. Bunea, J. Hoffer, S. Kahn, J. Raffoul, V. Tagalakis L. Trudeau, M. Elizov,

Core Lectures: Core Lecturer in Internal Medicine, Internal Medicine Residency Program (10 hours/year): Drs. R. Becker, M. Elizov J. Hoffer, S. Kahn, J. Raffoul, and L. Trudeau, V. Tagalakis

Internal Medicine Division Rounds: Drs. R. Becker, R. Bunea, H. Chang, J. Cohen, J. Hoffer, S. Kahn, J. Raffoul, E. Schiffrin, V. Tagalakis, L. Trudeau

2) Research Activities

Hoffer, L. John

McGill

Vitamin C deficiency in a university teaching hospital. McGill University Department of Endocrinology Annual Retreat, April 24, 2007

Outside McGill

Montreal, QC: Cancer Treatment by Intravenous Vitamin C. 5th Meeting of the Canadian Oxidative Stress Consortium, May 3, 2007

Protein energy malnutrition and the ICU. School of Dietetics and Human Nutrition Graduate Course 602: Nutritional Status Assessment, January 26, 2007

Vitamins against Cancer: Metabolic Mechanisms. Medical Grand Rounds, McGill University Health Care Centre, Montreal, September 5, 2006

Vitamin C and Cancer. Medical Grand Rounds, St. Mary's Hospital Center, Montreal, October 26, 2006

National

Toronto, ON: Perspectives on the Clinical Investigation of Intravenous Vitamin C as Cancer Therapy. Nutritional Medicine Today, 36th Annual International Conference, April 20, 2007

International

Sidney, Australia, Vitamin Therapy for Schizophrenia, 6th International Conference of Neuropsychiatry, September 10-14, 2006

Peebles, Scotland: The Need for Consistent Criteria for Identifying Malnutrition, 12th Nestlé Nutrition Workshop Series Clinical & Performance Program: Economic Medical/Scientific and Regulatory Aspects of Clinical Nutrition Practice, March 27, 2007

Kahn, Susan R

McGill

When to do a work up for thrombophilia in family practice. Herzl Family Practice Rounds, Jewish General Hospital. Feb 28, 2007

The Montreal Preeclampsia Study. Clinical Epidemiology Research Rounds, Jewish General Hospital. March 21, 2007.

Developing and promoting excellence in clinical and epidemiological research in a Department of Medicine. Jewish General Hospital, Department of Medicine Retreat. June 9, 2006.

VTE Prophylaxis in the Surgical Patient. Surgery Grand Rounds, Jewish General Hospital. June 8, 2006.

The SOX trial and Bio-SOX studies: A research program aimed at improving outcomes after venous thrombosis. Department of Clinical Epidemiology and Community Studies, St. Mary's Hospital Center May 11, 2006.

VTE Prophylaxis guidelines: What, why, how. VTE Awareness Week Medical Rounds, Jewish General Hospital. May 4, 2006.

Thrombophilia and Women's Health. Internal Medicine Rounds, Jewish General Hospital. April 21, 2006.

Outside McGill

National

Diagnosis and treatment of venous thromboembolism: an update. Grand Rounds, Lakeshore Hospital, QC. March 26, 2007.

Prevention of venous thrombosis in hospitalized patients. Grand Medical Rounds, Hospital Notre Dame, Montreal, QC. March 14, 2007.

Prevention and treatment of venous thrombosis in cancer patients. Meeting of the medical oncologists and hematologists of Hull-Gatineau. Gatineau, Quebec. October 17, 2006.

International

The post-thrombotic syndrome: Why it matters. Blood in Motion: Update in Prevention and Diagnosis of Deep Vein Thrombosis and Pulmonary Embolus, Management of the disease and its sequelae. The Western Pennsylvania Hospital Conference Center, Pittsburgh, Pennsylvania, USA. May 13, 2006.

A Research Program to Improve Long-Term Outcomes after DVT. University of Vermont Vascular Medicine Conference, Burlington, Vermont. November 17, 2006.

How many of our DVT/PE patients are elderly: retrospective collection of data in a hospital in Canada. Beating Blood Clots in Lisbon, Lisbon, Portugal. October 27, 2006.

Research Grants:

CIHR Randomized Clinical Trials Program

Extended prophylaxis comparing low molecular weight heparin to aspirin in total hip arthroplasty (EPCAT Study) Anderson D (PI)/ Kahn SR (co-applicant), de Beer J, Bohm E; Dunbar M, Andreou P, Lavigne M, Naudie D, Kovacs M, Macdonalda S, Belzile E, Zukor D, Wells P, Ramsay T, Rodger M, Kim P, Burkart B, Waddell J, Coyle D, Vendittoli PA 2007-2012: \$1,018,819

CIHR The effect of sex on the epidemiology of venous thromboembolic disease

Tagalakis V, Kahn SR (Co-Principal Investigator), Boivin JF, Moride Y, Opatrny L (co-applicants): \$150,000

CIHR Randomized Controlled Trials Program

Exercise training for the treatment of post-thrombotic syndrome: The EXPO pilot trial Kahn SR (Principal Investigator)/Shrier, Wells, Rodger, Kearon, Anderson, Kovacs, Reid, Shapiro: 2007-2009: \$351,040

Schiffrin, Ernesto L

McGill

Rigid pipes or living vessels: the new natural history of hypertension. Medical Grand Rounds, Department of Medicine, McGill University Hospital Center (MUHC), April 18, 2006.

Editing a major international scientific journal, challenges and pitfalls. How to write a good paper. Invited speaker, Research Day, Department of Geriatrics, McGill University, April 28, 2006.

Tubes rigides ou vaisseaux vivants: nouvelle histoire naturelle de l'hypertension artérielle. Grand Rounds, Department of Medicine, Centre hospitalier de l'Université de Montréal (CHUM), May 1st, 2006.

Outside McGill

National

Aortic pathophysiology. Invited speaker, Annual meeting of the Société des sciences vasculaires du Québec, Québec, November 25, 2006.

Vascular phenotype in hypertension: relation to the natural history of hypertension and therapeutic considerations. Division of Nephrology lecture, University of Ottawa Health Center, May 1, 2007.

Oxidative stress in hypertension. Invited speaker at the Oxistress International Symposium, Montreal, May 5, 2007.

International

Impact of nitric oxide on the vasculature. Invited speaker, Special Symposium on Hypertension in the Hispanic population, American Hypertension Society, New York, May 16, 2006.

The hypertensive vascular phenotypes. Invited Plenary Lecture, American Hypertension Society, New York, May 17, 2006.

Structure vs. function of vessels in hypertension. Invited speaker, European Society of Hypertension Symposium "New Insights in the pathophysiology and treatment of Hypertension", Pisa, May 24th 2006.

Blood vessel stiffness and remodeling: What is the clinical significance and relation to the natural history of hypertension" Invited speaker, Merck Hypertension Expert Forum, New York City, June 22, 2006.

Inflammation and hypertension. Invited Keynote Speaker, Inaugural Symposium "From Genes to Disease" of the British Heart Foundation Cardiovascular Research Centre of the University of Glasgow, Glasgow, UK, June 27, 2006.

Vascular Damage in Diabetes. Invited speaker, at the Meeting on Roadmap for the Prevention and Management of Cardiovascular Disease in the New Millenium", of the Consortium for Southeastern Hypertension Control (COSEHC), Litchfield by the Sea, Pawley's Island, SC, USA, September 15, 2006.

Endothelial dysfunction. Invited Plenary Lecture at the 21st Scientific Meeting of the International Society of Hypertension in Fukuoka, Japan, October 16, 2006.

Endothelial dysfunction. Invited speaker at official symposium Targeting novel mechanisms in the management of cardiovascular disease at the American Heart Association Scientific Sessions, Chicago, November 13, 2006.

Role of microcirculation in cardiovascular disease. Invited speaker at the meeting of the International Society of Vascular Health, Paris, France, November 17, 2006.

Renin-angiotensin-aldosterone, inflammation and hypertension. Invited lecture to the Basic and Clinical Symposium "The Three Horses of Apocalypse: Inflammation, Injury and Angiotensin" at the American Society of Nephrology Renal Week 2006 Meeting, San Diego, November 19, 2006.

Vascular remodeling in hypertension: therapeutic implications. Nefrologische Forum, Faculty of Medicine, Ludwig Maximilians University, Munich, Germany, November 27, 2006.

Hypertension and inflammation. Invited speaker at the Sixth International Workshop on Structure and Function of the Vascular System", Paris, France, February 1-3, 2007.

Hypertension and inflammation. Invited speaker at the European Respiratory Society Research Seminar on Complexity in Patients with Multiple Chronic Diseases, February 10-11, 2007.

Vascular phenotypes in Hypertension. Invited plenary speaker, InterAmerican Society of Hypertension Meeting, Miami, FL, May 7, 2007.

Hypertension and inflammation. Invited Plenary Session speaker at the National Meeting of the American Society of Hypertension, Chicago, May 19-22, 2007.

Other Contributions:

Canada Research Chair and Director, Hypertension and Vascular Research Unit, Lady Davis Institute for Medical Research. 2006

Research Grants:

Canada Foundation for Innovation: Canada Research Chair in Vascular and Hypertension Research (2006-2013): \$1,400,000

Vascular phenotype infrastructure: Molecular and cellular mechanisms of vascular remodeling in hypertension and metabolic syndrome (2006): \$645,000

CIHR 13570 Vascular remodeling in hypertension (2001-2006): \$610,000

CIHR 37917 Role of endothelin in hypertension and vascular injury (2005-2010): \$730,000

Trudeau, Luc

McGill

A New Look at the ASCOT Trial. General Internal Medicine Division Rounds, Jewish General Hospital. October 27, 2006

Management of Office-Based Hypertension. Herzl Family Practice Centre Core Rounds. August 30, 2006

Office Management of Hypertension. Internal Medicine Core Rounds. August 1, 2006
Basic Hypertension. Clinical Teaching Unit (7 West). March 16, 2007

In-Hospital Hypertension Management. Clinical Teaching Unit (7 West). March 19, 2007
Update from the International Society of Hypertension Meeting 2006. Herzl Family Medicine Grand Rounds. March, 2007

Outside McGill

National

ASCOT-BPLA: The Effect of Different Blood Pressure Lowering Regimens on Major CV Events. Westmount Medical Clinic. June 21, 2006

Traitement des dyslipidémies chez les patients à haut risque. Clinique médicale d'Oka. June 6, 2006

La prévention primaire et secondaire des AVC. Clinique de Terrebonne. June 2, 2006
Preuves pour la réduction de la mortalité cardiovasculaire: la perspective d'une approche clinique. Tele-conference throughout Quebec. September 28, 2006

Traitement des dyslipidémies. Clinique PhysiMed (Montreal, Quebec). September 12, 2006
ABPM-Blood Pressure Monitoring. Brunswick Fontenac Medical Clinic (Pointe-Claire, Quebec). September 13, 2006

ARB's and Hypertension. Nazareth Clinic (Lasalle, Quebec). September 14, 2006
Meet the Specialist-COXIBS. Lachine Medical Clinic. October 26, 2006

Hypertension systolique isolée et accidents cérébraux vasculaires. Mercier Medical Clinic. November 23, 2006

Nouvelles indications pour réduire le risque de décès cardiovasculaires et d'infarctus. Verdun Clinic. November 9, 2006

Underestimated Enemies in CV Risk: A Sneak Preview into the 2007 CHEP Guidelines. Charlottetown Polyclinic. December 7, 2006

Underestimated Enemies in CV Risk: A Sneak Preview into the 2007 CHEP Guidelines. PEI Culinary Institute of Canada. December 7, 2006

Vascular Protection: Difficult to Treat Hypertensives. Saint John Regional Hospital Medical Rounds. November 2006

Protection vasculaire chez les hypertendus difficiles à traiter. Georges-L. Dumont Hospital Medical Rounds (Moncton). November 2006

SYST-EUR and MOSES Trials. Brunswick Frontenac Medical Clinic (Pointe-Claire, Quebec). November 15, 2006

Hypertension systolique isolée et AVC. Clinique médicale Guy (Montreal, Qc). November 22, 2006

Lipid Lowering in CHD Patients: The Evidence for lower Targets. Medistat Clinic (Pierrefonds, Quebec). August 21, 2006

La boucle de l'hypertension. Un débat, une discussion. FMOQ Richelieu-Yamaska. February 22, 2007

ONTARGET Study ; An Internal Medicine Specialist's Perspective. National BMS-Sanofi Advisory Board (Montreal, Quebec). February 23, 2007

La boucle de l'hypertension. Un débat, une discussion. Medical Grand Rounds, Charles-Lemoyne Hospital, Sherbrooke University. March 22, 2007

Mesure ambulatoire de la tension artérielle. Vaudreuil-Dorion Medical Clinic. March 21, 2007

Les IECA ne sont pas tous les mêmes. Hickson Medical Clinic (Verdun, Qc). April 2, 2007

Collaborative Management Strategies for Cardiovascular and Psychiatric Co-Morbidities. Workshop, St. Sauveur, Quebec. March 24, 2007

Troubles cardiovasculaires; quoi de neuf? Quebec Association of Vietnamese Pharmacists (Montreal, Quebec). April 22, 2007

Tout sur le MAPA. Saint-Laurent Medical Clinic. April 27, 2007

La prévention cardiovasculaire. Mercier Medical Clinic. May 17, 2007

Tagalakis, Vicky

McGill

Determining incidence and predictor of DVT in lung cancer patients. Centre for Epidemiology and Community Studies. Jewish General Hospital. McGill University, Montreal, Qc, Canada 2006.

Determining incidence and predictors of DVT in lung cancer patients. Clinical Epidemiology Research Rounds. Centre for Epidemiology and Community Studies. Jewish General Hospital, McGill University, Montréal, Canada, 2006.

Thromboembolic disease in pregnancy. Resident academic half day. Jewish General Hospital, McGill University, Montréal, Canada, 2006.

Thrombosis and cancer. Internal Medicine Resident Core Teaching, Jewish General Hospital, McGill University, Montréal, Canada, 2006.

Perioperative assessment of the patient undergoing non-cardiac surgery. 57th Annual Refresher Course for Family Physicians. McGill University, Montréal, Canada, 2006

The effect of warfarin on the risk of urogenital cancer. Clinical Epidemiology Research Rounds. Centre for Epidemiology and Community Studies, Jewish General Hospital, McGill University, Montréal, Canada, 2006.

Protocol development (Part I). Clinical Scholar Program. General Internal Medicine Fellowship Program. MUHC, McGill University, Montréal, Canada, 2006.

Protocol development (Part II). Clinical Scholar Program. General Internal Medicine Fellowship Program. MUHC, McGill University, Montréal, Canada, 2006.

Protocol development (Part III). Clinical Scholar Program. General Internal Medicine Fellowship Program. MUHC, McGill University, Montréal, Canada, 2006.

Medication reconciliation report 2006. Quality and Risk Management Committee, Jewish General Hospital, McGill University, Montréal, Canada, 2006.

Thrombosis-related complications in cancer patients. Internal Medicine Division Rounds, Jewish General Hospital, McGill University, Montréal, Canada, 2007.

Thrombophilia testing. Family Medicine Lecture Series, Jewish General Hospital, McGill University, Montréal, Canada, 2007.

Outside McGill
National

Tamim H, Tagalakis V. Measurement methods. Oral presentations at: 23rd International Conference on Pharmacoepidemiology & Therapeutic Risk Management; 2007 August 19-22; Quebec City, Canada.

Tamim H, Tagalakis V. Measurement methods. Oral presentations at: 23rd International Conference on Pharmacoepidemiology & Therapeutic Risk Management; 2007 August 19-22; Quebec City, Canada

3) Clinical Activities

Internal Medicine Out-Patient Clinic:

5 1/2 day clinics per week

Drs. R. Becker, R. Bunea, M. Elizov, J. Raffoul, L. Trudeau, V. Tagalakis, Dr. J. Hoffer

Cardiovascular Prevention Center

1-2 clinics per week

Dr. E. Schiffrin, Dr. L. Trudeau

Resident's Hypertension Clinic:

1 clinic per week

Drs. L. Trudeau

Thrombosis Clinic:

2 day clinic per week

Drs. S. Kahn, V. Tagalakis

MSTU/ER Inpatient Consultations :

Drs. R. Becker, R. Bunea, M. Elizov, J. Hoffer, S. Kahn, J. Raffoul, V. Tagalakis, L. Trudeau

Nutritional Support Team Consultation: Dr. John Hoffer

2 Main, 4 Main, 4NW Intermediate and Palliative Care:

Dr. Harvey Chang, Dr. Janice Cohen & Dr. Ruxandra Bunea

Internal Medicine Consults for Jewish Rehabilitation Hospital:

Dr. Rubin Becker and Dr. Joe Raffoul

Link with Mount Sinai Hospital Palliative Care:

Dr. Rubin Becker

4) Academic Staff

There were no new recruits in 2006-2007.

5) Consulting Activities: None reported

6) Honors & Awards

Dr. Ernesto Schiffrin: Induction into the Royal Society of Canada, November 2006.

Dr. Susan Kahn: Award of Research Excellence for scientific presentation "Inherited thrombophilia and preeclampsia: Results of the Montreal Preeclampsia Study", 27th Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, Feb. 2007.

Dr. Ruxandra Bunea: "Teacher of the Year" 2007

7) Publications

Hoffer, L. John

--**Hoffer LJ.** Optimum protein intake in hypocaloric states. In: Nutrition Composition of Rations for Short-term, High-intensity Combat. Washington DC, Institute of Medicine, National Academy Press, pp 235-242,

--**Hoffer LJ.** Tube feeding in advanced dementia: the metabolic perspective. *BMJ* 333:1214-1215, 2006

Other Publications:

--Gan R, Eintracht S, **Hoffer LJ**. Vitamin C deficiency in a university teaching hospital. Podium presentations at Clinical Young Investigator Award Competition and Water-Soluble Vitamins II FASEB Experimental Biology 2007, Washington DC, April 28 and 30, 2007. FASEB J 21:A104, 2007

--**Hoffer LJ**, Levine M, Chen Q, Assouline S, Melnychuk D, Miller WH. Cancer treatment by intravenous vitamin C. 5th Meeting of the Canadian Oxidative Stress Consortium, Montreal, Quebec, May 3, 2007

Kahn, Susan R

--Cook LM, **Kahn SR**, Goodwin J, Kovacs MJ. Frequency of renal impairment, advanced age, obesity and cancer in venous thromboembolism patients in clinical practice. J Thromb Haemost 5: 937-41, 2007

--Hull RD, Pineo GF, Brant RFM, Mah AF, Burke N, Dear R, Wong T, Cook R, Solymoss S, Poon M-C, Raskob G and LITE Investigators (includes **Kahn SR**). Self-managed long-term low-molecular-weight heparin therapy: the balance of benefits and harms. Am J Med 2007;120(1):72-82.

--**Kahn SR**, Panju A, Geerts W, Pineo GF, Desjardins L, Turpie AGG, Glezer S, Thabane L, Sebaldt R for CURVE Study Investigators. Multicenter evaluation of the use of venous thromboembolism prophylaxis in acutely ill medical patients in Canada. Thromb Res 2007;119:145-155.

--Kramer MS, Chen MF, Roy I, Dassa C, Lamoureux J, **Kahn SR**, McNamara H and Platt R for the Montreal Prematurity Study Group. Intra- and inter-observer agreement and statistical clustering of placental histopathologic features relevant to preterm birth. Am J Obs Gyn 2006;195(6):1674-9.

--Hull RD, Pineo GF, Brant RFM, Mah AF, Burke N, Dear R, Wong T, Cook R, Solymoss S, Poon M-C and LITE Investigators (includes **Kahn SR**). Long-term Low-Molecular-Weight Heparin versus Usual Care in Proximal-Vein Thrombosis Patients with Cancer. Am J Med 2006; 119(12): 1062-1072.

--Opatrny L, David M, **Kahn SR**, Shrier I, Rey E. The association between traditional and newer antiphospholipid antibodies and recurrent fetal loss in women without autoimmune disease: A meta-analysis. J Rheumatol 2006;33(11):2214-21.

--**Kahn SR**, Ducruet T, Lamping DL, Arsenault L, Miron MJ, Roussin A, Desmarais S, Joyal F, Kassis J, Solymoss S, Desjardins L. The VEINES-QOL/Sym questionnaire is a valid and reliable measure of quality of life and symptoms in patients with deep venous thrombosis. J Clin Epidemiol 2006; 59(10): 1049-56.

--**Kahn SR**. The post-thrombotic syndrome: progress and pitfalls. Br J Haematol. 2006;134(4):357-65.

--**Kahn SR**. Frequency and determinants of the post-thrombotic syndrome after venous thromboembolism. Curr Opin Pulm Med 2006;12:299-303.

--**Kahn SR**. Review: Horse chestnut seed extract for chronic venous insufficiency. ACP Journal Club 2006; 145(1):20.

Other Publications:

--Lang E, Kovacs G, Stiell I, Afilalo M, **Kahn SR**, Dreyer J, Snyder B, Anderson D. Computerized Tomographic Pulmonary Angiography Compared With Ventilation Perfusion Lung Scanning as Initial Diagnostic Modality for Patients With Suspected Pulmonary Embolism: A Randomized Controlled Trial. Oral presentation, International Conference on Emergency Medicine (ICEM), June 2006, Halifax, Nova Scotia. Oral presentation at the Annual Meeting of the Society for Academic Emergency Medicine, May 2006, San Francisco, California.

--Afilalo M, Lang E, Tselios C, Guttman A, Colacone A, **Kahn SR**, Hirsch A, Xue X, Pleasance S, Anderson D. Length of Stay Considerations When Selecting An Imaging Strategy for High-risk Patients With Suspected Pulmonary Embolism: An Analysis of the Pulmonary Embolism Diagnostic Study. Poster presentation, International Conference on Emergency Medicine (ICEM). June 2006, Halifax, Nova Scotia. Oral presentation, Annual Meeting of the Society for Academic Emergency Medicine, May 2006, San Francisco, California.

Manuscripts Submitted

--Abou-Nassar K, Kovacs MJ, **Kahn SR**, Wells P, Doucette S, Ramsay T, Clement A-M, Khurana R, MacKinnon K, Blostein M, Solymoss S, Kingdom J, Sermer M, Rey E, Rodger M for the TIPPS investigators. The effect of dalteparin on coagulation activation during pregnancy in women with thrombophilia: a randomized trial. *Thrombosis and Haemostasis* (in press).

--Kovacs MJ, **Kahn SR**, Rodger MA, Anderson DR, Andreou R, Mangel J, Morrow B, Clement AM, Wells PS. A pilot study of central venous catheter survival in cancer patients using low molecular weight heparin (dalteparin) and warfarin without catheter removal for the treatment of upper extremity deep vein thrombosis (The Catheter Study) *J Thromb Haemost* (in press).

--Rodger MA, **Kahn SR**, Cranney A, Hodson A, Kovacs M, Clement AM, Lazo-Langer A, Hague B, Karovitch A, Keely E, Walker M, Robinson S, Blostein M, Smith G, Kingdom J, Demers C, Solymoss S, Khurana R, Rey E and Wells PS. Long Term Dalteparin in Pregnancy is Not Associated With A Decrease In Bone Mineral Density: A Sub-Study of a Randomized Controlled Trial. *J Thromb Haemost* (in press)

Schiffrin, Ernesto L.

--Benkirane K, Amiri F, Diep QN, El Mabrouk M, **Schiffrin EL**. PPAR- γ : inhibits angiotensin II-induced cell growth via SHIP2 and 4E-BP1. *Am J Physiol (Heart Circul Physiol)*, 290:H390-H397, 2006

--Brassard P, Amiri F, Thibault G, **Schiffrin EL**. Role of Angiotensin Type-1 and Angiotensin Type-2 Receptors in the Expression of Vascular Integrins in Angiotensin II-Infused Rats. *Hypertension*, 47:122-127, 2006

--Benkirane K, Viel EC, Amiri F, **Schiffrin EL**. Peroxisome Proliferator-Activated Receptor α : Regulates Angiotensin II-Stimulated Phosphatidylinositol 3-Kinase and Mitogen-Activated Protein Kinase in Blood Vessels in Vivo. *Hypertension*, 47:102-108, 2006

--Savoia C, **Schiffrin EL**. Inflammation in hypertension. *Curr Opin Nephrol Hypertens*, 15:152-158, 2006

--**Schiffrin EL**. Effects of aldosterone on the vasculature. *Hypertension Highlights*. *Hypertension* 47:312-318, 2006

--Savoia C, Touyz RM, He Y, Endermann D, Pu Q, Ko EA, De Ciuceis C, **Schiffrin EL**. Angiotensin Receptor Blocker Added to Previous Antihypertensive Agents on Arteries of Diabetic Hypertensive Patients. *Hypertension*, 48:271-277, 2006

--White M, Ducharme A, Ibrahim R, Whittom L, Lavoie J, Guertin M-C, Racine N, He Y, Yao G, Rouleau JL, **Schiffrin EL**, Touyz RM. Systemic inflammation and oxidative stress are increased in patients with worsening congestive heart failure: Improvement after short-term inotropic support. *Clin Sci*, 110:384-389, 2006

--Touyz RM, **Schiffrin EL**. Peroxisome Proliferator Activated Receptors in Vascular Biology Molecular Mechanisms and Clinical Implications. *Vascular Pharmacology*, 45:19-28, 2006

--Savoia C, **Schiffrin EL**. Inhibition of the Renin Angiotensin System: Implications for the Endothelium. *Current Diabetes Reports*, 6:274-278, 2006

--Javeshghani D, Sairam MR, Fritsch Neves M, **Schiffrin EL**, Touyz RM. Angiotensin II Induces Vascular Dysfunction without Exacerbating Blood Pressure Elevation in a Mouse Model of Menopause-associated Hypertension. *J Hypertens*, 24:1365-1373, 2006

--Savoia C, Ebrahimian T, He Y, Gratton J-P, **Schiffrin EL**, Touyz RM. Angiotensin II/AT2 Receptor-Induced Vasodilation in SHRSP Involves Nitric Oxide and cGMP-Dependent Protein Kinase. *J Hypertens*, 24:2417-2422, 2006

--**Schiffrin EL**. Role of vascular endothelin in hypertension. Chapter 17 In: *Molecular Mechanisms of Hypertension*, 1st Edition, Re RN, DiPette D, **Schiffrin EL** and Sowers JR. Eds., Taylor & Francis, London, UK, Chapter 17, 155-161, 2006

Molecular Mechanisms in Hypertension, Eds. RN Re, DJ DiPette, **EL Schiffrin**, JR Sowers. Taylor & Francis Medical Books, 2006

Tagalakis, Vicky

--**Tagalakis V**, Kahn SR, Libman M, Blostein M. The epidemiology of peripheral vein infusion thrombophlebitis: a critical review. *The American Journal of Medicine*. 2002; 113(2):146-51.

--**Tagalakis V**, Kahn SR, Libman M, Blostein M, Solymoss S, Miller M. Thrombophilia in short peripheral catheter thrombophlebitis. *Thrombosis Research*. 2007; 119(5):587-92.

--Pilote L, Dasgupta K, Guru V, Humphries KH, McGrath J, Norris C, Rabi D, Tremblay J, Alamian A, Barnett T, Cox J, Ghali WA, Grace S, Hamet P, Ho T, Kirkland S, Lambert M, Libersan D, O'Loughlin J, Paradis G, Petrovich M, **Tagalakis V**. A comprehensive view of sex-specific issues related to cardiovascular disease. *Canadian Medical Association Journal*. 2007; 176(6 Suppl):S1-44.

--**Tagalakis V**, Tamim H, Blostein M, Collet JP, Hanley JA, Kahn SR. Use of warfarin and risk of urogenital cancer: a population-based, nested case-control study. *Lancet Oncology*. 2007; 8(5):395-402.

--**Tagalakis V**, Robinson-Cohen C, Blostein M, Kahn SR. The effect of anticoagulants on cancer risk and survival: systematic review. *Cancer Treatment Reviews*. Article in press.

--**Tagalakis V**, Levy D, Agulnik J, Cohen V, Small D. High risk of deep vein thrombosis in patients with non-small cell lung cancer: a cohort study of 493 patients. Accepted in *Journal of Thoracic Oncology*. March 2007.

--Kahn S, Shbaklo H, Shapiro S, Wells PS, Kovacs MJ, Rodger M, Anderson DR, Ginsberg JS, Johri M, **Tagalakis V**, For the SOX Trial Investigators. Effectiveness of compression stockings to prevent the post-thrombotic syndrome (The SOX Trial and Bio-SOX biomarker sub study): A randomized controlled trial. Accepted in *BMC Cardiovascular Disorders*. July 2007.

Other Publications:

--**Tagalakis V**, Tamim H, Collet JP, Kahn SR, Blostein M, Hanley JA. The effect of warfarin on the risk of prostate cancer [abstract]. *Journal of Clinical Oncology: Official Journal of the American Society of Clinical Oncology*. ASCO Meeting Abstracts. 2006; 24(18 Suppl): Abstract 14524.

--Levi D*, **Tagalakis V**, Cohen V, Agulnik J, Kasymjanova G, Small D. Determining incidence and predictors of deep vein thrombosis in patients with non-small cell lung cancer [abstract]. *Journal of Clinical Oncology: Official Journal of the American Society of Clinical Oncology*. ASCO Meeting Abstracts. 2006; 24(18 Suppl): Abstract 7159.

--**Tagalakis V**, Tamim H, Collet JP, Kahn SR, Blostein M, Hanley JA. The effect of warfarin use on the risk of urogenital cancer [abstract]. *Pharmacoepidemiology and Drug Safety*. 2006;15: Abstract 133.

Manuscripts Submitted:

--**Tagalakis V**, Robinson-Cohen C, Blostein M, Kahn SR. The effect of anticoagulants on cancer risk and survival: Systematic review [abstract]. Pending.

--Opatrny L, Delaney JA, **Tagalakis V**, Kahn SR, Suissa S. Warfarin use and the decreased risk of prostate cancer [abstract]. Pending.

--Tamim H, **Tagalakis V**. Measurement methods [abstract]. Pending.

Trudeau, Luc

--Khan N, ...**Trudeau L**, ... for the Canadian Hypertension Education Program, The 2007 Canadian Hypertension Program recommendations for the management of hypertension: Part 2 – therapy. *Can. J. Cardiology*, 23:7:539, 2007

III OBJECTIVES AND PRIORITIES

The Division of Internal Medicine will continue to provide exemplary service in research, teaching, clinical service and administration to the hospital and the university.

Respectfully submitted,

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