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 the period 2013-2014 is $1,295,058. Total research grants and awards are: Dr. John Hoffer, $ 105,000 for his research in Vitamin C & D treatment, Dr. Susan Kahn, $307,249 for her research in Thrombosis, Dr. Vicky Tagalakis, $2,475,037 for her research in Epidemiology & Venous Thrombosis and Dr. Schiffrin, $2,248,357 for grants and Canada Research Chair in Vascular and Hypertension.

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. Tagalakis, 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. Tagalakis, 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. Tagalakis, 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. Tagalakis, 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. Tagalakis, 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. Tagalakis, 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, B. Schwartz
Intensive care Consults: 10 weeks/year, Dr. J. Lipes, B. Schwartz

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:

Elizov, M

General Internal Medicine Global Health Initiative: Haiti Project. Dr. Michelle Elizov, Director of medical Education for the Division, launched the Haiti Project and organized the first formal rotation in April 2014.

Hoffer, LJ

McGill

Body composition, bioenergetics, protein metabolism, obesity, appetite and eating, starvation, anorexia and cachexia, and vitamin and mineral nutrition: 7 hours of lectures in Block D of First Year Medicine (Fundamentals of Medicine and Dentistry) January 3, Feb 3, 4 and 5, 2014

Vitamins: who needs them? Medical Grand Rounds, Jewish General Hospital, Montreal, January 13, 2014


An interesting case of hypomagnesemia, with lessons for diagnosis and management. Internal Medicine Academic Rounds, Jewish General Hospital, April 10, 2014.

Nutritional issues in family medicine. Herzl Family Practice Centre CME rounds, September 30, 2014.

Evidence-based nutrition. Faculties of Science and Agricultural and Environmental Sciences Course 450, Research methods in human nutrition, November 5, 2014.

National


Kahn, SR


CIHR-funded Café Scientifique: Lots about clots for grandmothers, mothers and daughters, Moderator for public awareness evening held at Java U Café, March 20, 2014.

McGill

The SOX Trial and beyond. MUHC Clinical Epidemiology Rounds, MUHC. Montreal, November 13, 2014.


National

Duration of Anticoagulation for VTE. Thrombosis and Anticoagulation Newfoundland and Labrador, Inaugural Meeting. St John’s NFLD, September 13, 2014.


Cancer Associated Thrombosis. Hematology Grand Rounds, Royal University Hospital, University of Saskatchewan. Saskatoon, SK, March 27, 2014.

Topics in Thrombosis. Hematology Round Table lunch, Royal University Hospital, University of Saskatchewan. Saskatoon, SK, March 27, 2014.


The VECTOR collaborative research group: Short and long-term goals. CIHR Institute of Circulatory and Respiratory Health (ICRH), 56th Institute Advisory Board Meeting, Gatineau, QC. January 17, 2014.

International


Schiffrin, EL

National


Hypertension--Do We Really Need More Guidelines for HTN After All These Years? Invited lecture in the session “Guidelines and sidelines”, American College of Cardiology Annual Meeting, Washington DC, March 29, 2014.


Aldosterone and immune mechanisms in hypertension and vascular disease. Invited lecture at Cardiovascular Seminar, American Heart Association Scientific Sessions, Chicago, IL, November 19, 2014.

International


Immune mechanisms in hypertension. Invited lecture, 1st International Symposium on Autonomic neural regulation of the immune system: implications for hypertension and cardiovascular disease, Sao Paulo, Brazil, August 12, 2014.

Endothelin-1 in hypertension, atherosclerosis and chronic kidney disease. Grand Rounds at the Heart Institute of the University of Sao Paulo, Brazil, August 13, 2014.

Vascular actions of aldosterone. Invited Lecture, Interamerican Society of Hypertension Scientific Meeting, Salvador de Bahia, Brazil, August 15, 2014.

Schwartz, BC

McGill

Introduction to Cervical Spine Immobilization, JGH Internal Medicine Academic Day January 9, 2014


Respiratory Failure for the Internist, JGH Division of Internal Medicine Rounds, March 20, 2014

Bill 52: Limits of Conscientious Objections, JGH Medical Ethics Rounds, May, 2014

Quality Improvement: A Research Primer, McGill General Internal Medicine Clinical Scholar’s Program, May 13, 2014

Patient Safety: An Overview, Saint Mary’s Hospital Medical Grand Rounds, May 15, 2014

Managing the Critically Ill Patient, McGill Aviation Medicine Course, June 21, 2014


Diagnosis & Management of Diabetic Emergencies, JGH Internal Medicine Academic Day, July 9, 2014

Intraosseous Vascular Access, JGH Internal Medicine Academic Day, July 17, 2014

Management of In-Hospital Cardiac Arrest, JGH Internal Medicine Academic Day, July 26th, 2014

Preventing Hospital Readmissions: A Virtual Solution for a virtual problem, JGH
Division of Internal Medicine Rounds, October 30, 2014


Tagalakis, V

McGill

Tagalakis V. The role of the new oral anticoagulants for the treatment of venous thromboembolism: practical considerations. Oral presentation at Department of General Medicine, The Douglas Mental Health University Institute, McGill University, Montreal, Canada, 2014.

Tagalakis V. Pregnancy and Thrombosis Issues. Oral presentation at: Jewish General Hospital Medical Grand Rounds, Jewish General Hospital, McGill University, Montreal, Canada, 2014.

Tagalakis V. Venous thrombosis and subsequent risk of cancer: Why? By how much? In whom? And can anything be done? Oral presentation at: Centre of Clinical Epidemiology, Jewish General Hospital, McGill University, Montreal, Canada, 2014.

National

Tagalakis V. Cancer and thrombosis symposium. Oral presentation at: L’atelier scientifique: L’oncologie pour l’interniste: notre rôle au-delà de la thérapie - Château Frontenac; 2014 October; Quebec city, Quebec.

Austin A, Pelletier R, Rabi D, Behlouli H, Pilote L, Tagalakis V. Factors associated with study completion in patients with premature acute coronary syndrome. Oral presentation at: Canadian Cardiovascular Congress; 2014 October; Vancouver, British Colombia.


International
Tagalakis V. Use of statins and the risk of recurrent venous thromboembolism. Oral presentation at the European Society of Cardiology Congress (ESC); 2014 August 30-September 3; Barcelona, Spain.

Xu C*, Ciampi A, Greenwood CMT, Tagalakis V. Clustering of longitudinal data using mixture of extended linear mixed-effect models. Oral presentation at: Joint Statistical Meetings; 2014 August 2-7; Boston Massachusetts, USA.

4. **Partnerships:** None to report

5. **Honours, awards, and prizes:**

   Dr. Joseph Raffoul was awarded The Award for Medical Excellence. This was awarded to Dr. Raffoul for his exceptional care for patients, extensive knowledge of medicine, valued teaching, superior abilities and accessibility to colleagues throughout the hospital.

   Dr. Blair Schwartz was awarded 2014 “Teacher of the Year” at the Jewish General Hospital, Core Internal Medicine Program.

6. **Milestones:**

7. **Fundraising:** None to report.

**SECTION 1 – DIVISION STATUS**

1. **Mission and objectives of the Division**

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

   - Dr. Rubin Becker, Chief, Division of Internal Medicine, Jewish General Hospital; Associate Professor of Medicine, McGill University
   - Dr. Ruxandra Bunea, Director Postgraduate Education, Jewish General Hospital; Assistant Professor McGill University
   - Dr. Vicky Tagalakis: Department of Medicine, Jewish General Hospital, Program Director for Internal Medicine Fellowship Training Program, Associate Professor, McGill University
   - Dr. Susan Kahn: Director, Thrombosis Clinic, Jewish General Hospital; Associate Co-Director, Lady Davis Institute for Medical Research McGill University, Program Director, Thrombosis Fellowship, McGill University, Full Professor of Medicine with Tenure, 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, Medical Director, Mount Sinai.
- 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: Director of Professional Services; Jewish Rehabilitation Hospital, Assistant Professor, McGill University
- Dr. Blair Schwartz: 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 2014 calendar year:** ALL UPDATES

   **Elizov, M**
   
   --Elizov M Are mentors born or made? Medical Education 2014: Vol 48

   **Hoffer, John Leonard**
   


   **Kahn, Susan**
   


Schiffrin, Ernesto L.


--Schiffrin EL. SPS3: Blood pressure targets after lacunar stroke supported by statistically not significant results: Should these be the basis for recommendations or caution? In Controversies in hypertension: Optimum blood pressure targets after lacunar stroke, Con position. Hypertension.2014;63:923-924.doi:10.1161/HYPERTENSIONAHA.113.02529. PMID: 24591334.


Book Chapters


--Schiffrin EL, Tedgui A, Lehoux S. Mechanical stress and the arterial wall. In “Blood

Tagalakis, Vicky


--Kahn SR, Shapiro S, Ginsberg JS; SOX trial investigators V. Tagalakis. Compression stockings to prevent post-thrombotic syndrome - Authors' reply. Lancet 2014; 384(9938):130-1.


Tagalakis V, Patenaude V, Kahn SR, Suissa S. High mortality in cancer patients with

**Trudeau, Luc**

--Trudeau L, Canadian Hypertension Education Program recommendation, *Canadian Journal Cardiology, May 2014*

--Trudeau L, Central Blood Pressure as an index of Antihypertensive control. *Canadian Journal Cardiology, May 2014*

--Trudeau L, Differences in Thiazide Diuretics: Clinical Impacts. *Slide Dec; Servier Canada 2014*

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

Respectfully Submitted

Rubin Becker, MD
Chief, Division of Internal Medicine
# Annex 1: Research, Grants & Awards

<table>
<thead>
<tr>
<th>NAME</th>
<th>AGENCY</th>
<th>TITLE</th>
<th>External Grants</th>
<th>Career Awards</th>
<th>Industrial Contracts</th>
<th>Clinical Research Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hoffer, Leonard J.</td>
<td>Lotte &amp; John Hecht Memorial Foundation</td>
<td>Open clinical trial to validate a short-term vitamin D loading and maintenance dose protocol in people with advanced lung cancer</td>
<td>$355,000</td>
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<tr>
<td>Kahn, Susan</td>
<td>Heart &amp; Stroke Foundation of Ontario</td>
<td>P Wells - HSFO - Development and Validation of Clinical Prediction Ruls for Bleeding for Patients on Anticoagulant Therapy for Venous Thromboembolism</td>
<td>$3,600</td>
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<tr>
<td>Kahn, Susan</td>
<td>Lawson Health Research Institute</td>
<td>A Prospective Study of Upper Extremity Deep Vein Thrombosis to Determine the Prevalence of Post-Thrombotic Syndrome in Patients Managed with Anticoagulation</td>
<td>$9,500</td>
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<tr>
<td>Kahn, Susan</td>
<td>Canadian Institutes for Health Research</td>
<td>Prospective Evaluation of Long-Term Outcomes After Pulmonary Embolism: the Elope Study</td>
<td>$38,544</td>
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<td>Kahn, Susan</td>
<td>National Institutes of Health (USA) NIH</td>
<td>Suresh Vedantham - University of McMaster - Pharmacomechanical Catheter-Directed Thrombolysis for Acute DVT-Adtrat Trial</td>
<td>$42,041</td>
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<td>Kahn, Susan</td>
<td>Canadian Institutes for Health Research</td>
<td>CIHR-A Randomized, Placebo-Controlled Trial of Compression Stockings to Prevent the Post-Thrombotic Syndrome</td>
<td>$87,193</td>
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<td>Kahn, Susan</td>
<td>Canadian Institutes for Health Research</td>
<td>Randomized Controlled Trial of Anticoagulation vs Placebo for a First Symptomatic Isolated Distal Deep-Vein Thrombosis (Iddvt): the Cactus-Pts Trial</td>
<td>$126,171</td>
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<tr>
<td>Kahn, Rebecca</td>
<td>Quintiles Inc.</td>
<td>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 DVT-Attract Trial</td>
<td>$112,857</td>
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<tr>
<td>Kahn, Susan</td>
<td>Institut de recherche en sante d’Ottawa</td>
<td>REVERSE (Recurrent Venous Thromboembolism Risk Stratification Evaluation) a Study to Develop a CI</td>
<td>$1,190</td>
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<tr>
<td>Kahn, Susan</td>
<td>Institut de recherche en sante d’Ottawa</td>
<td>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</td>
<td>$7,000</td>
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<td>Kahn, SR</td>
<td>Sanofi Aventis</td>
<td>Thrombosis Fellowship</td>
<td>$45,000</td>
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<td>Schiffrin, Ernesto</td>
<td>Canada Foundation for Innovation and Gov of Canada CRC program</td>
<td>Canada Research Chair in Vascular and Hypertension Research</td>
<td>$1,400,000</td>
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<td>Schiffrin, Ernesto</td>
<td>Canadian Institutes for Health Research</td>
<td>MicroRNAs and Gene Regulation on Vascular Remodeling in Hypertension from Mice to Humans</td>
<td>$583,717</td>
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<td>Schiffrin, Ernesto</td>
<td>Canadian Institutes for Health Research</td>
<td>CIHR-T-Regulatory Cells and Vascular Injury in Hypertension</td>
<td>$757,495</td>
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<td>Schiffrin, Ernesto</td>
<td>Canadian Institutes for Health Research</td>
<td>Endothelin, vascular inflammation and injury, and hypertension</td>
<td>$767,145</td>
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<td>Schiffrin, Ernesto</td>
<td>Institut Servier (L’) (France)</td>
<td>Gene Expression Profile in Small Resistance Arteries in Patients with Hypertension with or without Nephroangiopiosclerosis and Its Relation to Small and Large Artery Function and Remodeling</td>
<td>$145,062</td>
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<td>Tagalakis, Vicky</td>
<td>Canadian Institutes of Health Research</td>
<td>Lots about clots for grandmothers, mothers and daughters</td>
<td>$3,000</td>
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<tr>
<td>Tagalakis, Vicky</td>
<td>Canadian Institutes of Health Research</td>
<td>Statin Use and the Prevention of Recurrent Venous Thromboembolism in the Elderly: the Staveno Study</td>
<td>$63,635</td>
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<td>Tagalakis, Vicky</td>
<td>Canadian Institutes of Health Research</td>
<td>New Oral Anticoagulants for the Prevention of Venous Thromboembolism in High-Risk Ambulatory Cancer Patients: A Randomized Placebo-Controlled Double-Blind Clinical Trial</td>
<td>$836,841</td>
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<td>Tagalakis, Vicky</td>
<td>Canadian Institutes of Health Research</td>
<td>Propensity scores and marginal structural models in drug safety research</td>
<td>$405,939</td>
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<td>Tagalakis, Vicky</td>
<td>Canadian Institutes of Health Research</td>
<td>The SOX Trial: Disseminating the unexpected results of a large, CIHR-funded North American RCT of elastic compression stockings to prevent the post-thrombotic syndrome</td>
<td>$19,263</td>
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<tr>
<td>Tagalakis, Vicky</td>
<td>Heart and Stroke Foundation of Canada</td>
<td>&quot;GENESIS PRAXY: GENDer and Sex Determinants of Cardiovascular Disease: From Bench to Beyond Premature Acute Coronary Syndrome”</td>
<td>$528,524</td>
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<td>Tagalakis, Vicky</td>
<td>Heart and Stroke Foundation of Canada</td>
<td>Screening of Occult Malignancy in Patients with unprovoked venous thromboembolism: a randomized controlled trial using a comprehensive computed tomography of the abdomen/pelvis (SOME trial)</td>
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<td>Tagalakis, Vicky</td>
<td>Canadian Institutes of Health Research</td>
<td>The use of Extended Peri-Operative Low Molecular Weight Heparin to Improve Cancer Specific Survival Following Resection of Colon Cancer: A Randomized Controlled Trial</td>
<td>$816,176</td>
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<td>Tagalakis, Vicky</td>
<td>Department of Medicine, JGH</td>
<td>Epidemiology of venous thrombosis and pharmacoeconomics</td>
<td>$24,000</td>
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Revised May 26, 2015.pm