ANNUAL REPORT
DIVISION OF GERIATRIC MEDICINE
DEPARTMENT OF MEDICINE
JEWISH GENERAL HOSPITAL
January 1 – December 31, 2012

Ruby Friedman, M.D.
Site Director

José A. Morais, MD, FRCPC
Director
McGill Division of Geriatric Medicine

May 2013
SUMMARY

The Division of Geriatric Medicine continues to respond to the increasing demands for clinical services. The Division’s areas of clinical activities include the Geriatric’s Ward 6NW, the outpatient Geriatric Assessment Unit, Memory Clinic, Senior Oncology Clinic, the Geriatric Consultation Services in the Emergency Room, and in the hospital. To improve the efficiency of the Division’s many activities, we have assigned a physician coordinator for each of them. Thus for the 6NW Ward, the Medical Director will remain Dr. Ruby Friedman; for consultation services, Dr. Paul Heilpern; for out-patient clinics, Dr. Sanda Popescu; for Memory Clinic, Dr. Susan Vaitekunas and Dr. Howard Chertkow (Neurology). The Division continues to be jointly run by Dr. Ruby Friedman, JGH Site Director, and by Dr. José A. Morais, Director, McGill Division of Geriatric Medicine.

The Geriatric Ward 6 NW is a fully renovated 32-bed unit which incorporates the principles of an “elderly friendly hospital”. The Ward has a dedicated multi-disciplinary team including full time physiotherapy, occupational therapy and social service. The greatest concern is the increase length of stay of patients on the ward. In previous years, this length of stay averaged 20 days and now it is over 30 days. This is due to the inefficiencies of program 68 that has been processed which results in a large number of patients that (at times more than 50% of the ward), are awaiting placement. Dr. Friedman continues to work closely with the director of social service and they are encouraging the administration to deal with this issue.

In response to the increasing request from the community, the hospital and the emergency room, the outpatient geriatric clinics have markedly reduced waiting times for patient evaluation. The outpatient clinics include the Geriatric Assessment Unit, Memory Clinic, and Senior Oncology Clinic. Over the last 5 years, consultations have increased by 35%. Follow-up evaluations have increased by 15%. Furthermore the Rapid Response Clinic has been established whereby patients who require urgent follow-up from the Emergency Room or are post discharge can be evaluated within days.

In the past year, the Geriatric consultation services in the Emergency Room and for the hospital wards have been reorganized. There is a position dedicated on a monthly basis to ensure a prompt response. For the hospital ward consultations, 90% are completed within 48 hours. Emergency Room consultations are completed within 4 hours of request. The division of Geriatrics will continue to work closely with the Emergency Room department to evaluate response time for consultations in the evenings and on the week-ends.

1. Research and publications:

Research in neurobiology and dementia, health services, frailty, pharmacoepidemiology, long term care, and education continue to represent the existing strengths of the Division with
programs that cross hospital, department and university lines and in some cases integrate bench-to-bedside-to population. Oncology and older persons, as well as end of life care, are emerging interests. There is increasing collaboration with colleagues from Quebec, Canada and internationally. Members of the Division lead major research programs with funding from the Canadian Institutes on Health Research (CIHR), the Fonds de la recherche en santé du Québec (FRSQ) and the Canadian Foundation for Innovation (CFI). These major research teams bring together investigators from Quebec, Canada and internationally. The total dollar amount of secured grants and research funding from all sources is $19,592,322.

2. Teaching and learning (undergraduate and graduate):

The student evaluations have been very good to excellent and an increasing number of students have expressed interest in geriatric medicine as a career. These positive evaluations are a testimony to the hard work and dedication of all the teachers in our Division.

3. Involvement in the community: N/A

4. Partnerships: N/A

5. Milestones:

In 2012, the Ministry of Health has granted McGill University with the Centre d’Excellence in Aging and Chronic Diseases that will be based at the Jewish General Hospital

New hires, promotions, and retirements

- Dr. H. Bergman - Chair, Department of Family Medicine, McGill University, 2012
- Dr. J.A. Morais - Director, Centre d’Excellence on Aging and Chronic Diseases. 2012
- Dr. Elise Levinoff, will be joining our Geriatrics department in July 2014

6. Honours, awards, and prizes:

- Andréa LeBlanc - Jewish General Hospital Award for Excellence in Basic Research, November 19, 2012

7. Fundraising: None

SECTION I - DIVISION STATUS UPDATE

1. Mission and objectives of the Division

In major development in the past year has been the process of implementing the “Centre d’excellence sur le vieillissement et les maladies chroniques de McGill”. The Jewish General Hospital has been designated by the RUIS McGill to be the center of this activity. We expect to hire a director within the next 6 months. Funding for the next 2 years has been obtained and program development will commence.
Another major development in the past year has been in the process of implementing the “approche adaptée pour personnes âgées” program in the hospital. This is a government mandated program that will be introduced into all hospitals in Quebec whereby principles of Geriatric care will be introduced on all wards in the hospital. Dr. Ruby Friedman is the Medical Director of this program. Judy Bianco and Sonia Jolie are the nursing directors. Maxine Lithwick from the social work department is a co-director as well. A large multi-disciplinary group has been established. The focus will be in introducing principles of care for mobility, delirium and then nutrition. In part, the program will be introduced shortly on several wards in the hospital.

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

Dr. José Morais, Director, McGill Div. of Geriatric Medicine, Associate Professor, Active
Dr. Ruby Friedman, Site Director, JGH, Div of Geriatric Medicine, Associate Professor, Active
Dr. Sanda Popescu-Crainic, Active
Dr. Howard Bergman, Professor, Active
Dr. Johanne Monette, Assistant Professor, Active
Dr. Gillian Fisher, Factulty Lecturer, Active
Dr. Susan Gold, Assistant Professor, Active
Dr. Paul Heilpern, Factulty Lecturer, Active
Dr. Nacera Belkous, Faculty Lecturer, Active
Dr. Susan Vaitekunas, Faculty Lecturer, Active

Associate Members

Dr. Yves Bacher, Active
Dr. Catherine Brodeur, Active
Dr. Howard Chertkow, Professor, Active
Dr. Francine Gaba, Active
Dr. Gary Inglis, Active
Dr. Andréa Leblanc, Active
Dr. Ziad Nasreddine, Active
Dr. Hyman Schipper, Active
Dr. Doreen Wan-Chow-Wah, Active

SECTION II - GRANTS, PUBLICATIONS, AND SERVICE OUTSIDE OF MCGILL

1. Grants and awards received

Grants

Bergman, Howard

Quebec Network for Research on Aging. Bergman H (Director 2008-2009). FRSQ. $3,600,000 (900,000/year) 2008-2012


Chertkow, Howard

Establishing prognostic subgroups in mild cognitive impairment. Chertkow H (PI), Kabani NJ, Diksic M. CIHR (Canadian Institutes of Health Research) operating grant of $114,007/year (2007-2012)

Canadian Dementia Knowledge Translation Network (CDKTN). Rockwood K (PI), Chertkow H, (one of 4 co-investigators). CIHR (Canadian Institutes of Health Research) operating grant of $4,000,000/5 years. (2008-2013)


Anomia in Alzheimer's Disease: Untangling semantic components and delivering therapy with rTMS. Chertkow H (PI), Soucy J, Thiel A. CIHR (Canadian Institutes of Health Research) operating grant of $153,300/year. (2012-2015)

LeBlanc, Andréa

The role of Caspase-6 in colon carcinogenesis. LeBlanc A (PI). Ride to Conquer Cancer research fund. $75,000. (2011-2012)

Role of caspases in human neuronal cell death and in Alzheimer's disease. LeBlanc A (PI), CIHR. $781,294 = $156,256 per year (Ranked 1st); (2011-2016)

Research contract with Merck, Sharp, and Dhome on Caspase-6 inhibitors. $250,000. (2012-2013)

**Monette, Johanne**


Development of nursing tools for the detection of long-term facility residents with cognitive impairment who are at risk for delirium. McCusker J (PI), Champoux N, Ciampi A, Cole MG, Monette J, Voyer P, Vu TTM. Jointly funded by CIHR IA Research Program on Care Practice in Cognitive Impairment in Aging, Alzheimer Society of Canada, and the Canadian Nurses Foundation. Total Amount: $200,000 (CIHR IA: $125,008; Alzheimer Society of Canada: $41,659; Canadian Nurses Foundation: $33,333); 2010-2012

Les transitions entre l’hôpital et les services de proximité des patients atteints de maladies chroniques : quelles sont les interventions efficaces et leurs conditions de succès. Vedel Isabelle (PI) CIHR 99 038$. (2011-2012)


Understanding the Association Between Perioperative Process-based Quality Indicators and Recovery in Elderly Patients. Bergman S (PI), Feldman LS, Vedel I, Rosenberg L, Monette J. CIHR. $100,000 (2012-2013)

Morais, José A.

Provincial Network Funding Program to the Quebec Network for Research on Aging. (PI): Gaudreau P, Morais JA. Co-applicants: 15 researchers from various Quebec institutions. FRQS – RQRV. $900,000/yr (2012-2016)


2. Scholarly works published in the 2012 calendar year:

Publications

Bergman, Howard


Chertkow, Howard


Monette, Johanne


Morais, José


**Schipper, Hyman**


**Abstracts published or presented**

**Bergman, Howard**

Strohschein FJ, Wan-Chow-Wah D, Bergman H, & Loiselle CG. Treatment decision making among older adults with colorectal cancer: Attending to the influence of age. Accepted for rapid oral/electronic poster presentation at the UICC World Cancer Congress. Montreal, QC. (August 27-30, 2012)

Vedel I, Monette M, Bergman H, Lapointe L. Innovative Approaches to Alzheimer's Disease Care in Canada: Insights for Primary Care. 40th NAPCRG Annual Meeting. New Orleans, Louisiana (December 1-5, 2012)


Khanassov V, Vedel I, Pluye P, Bergman H. What Are the Barriers to Consistent Results in Case Management Targeting Patients With Cognitive Impairment in Primary Medical Care and Community Settings? A Systematic Mixed Studies Review. 40th NAPCRG 2012 Annual Meeting. New Orleans, Louisiana (December 1, 2012)

Chertkow, Howard


Morais, JA


Latour J, Kergoat MS, Vu M, Morais JA. Integration on shortterm Geriatric Units and Hospital Geriatric Departments in Quebec. 32nd Annual Scientific Meeting of the Canadian Geriatrics Society. Can J Geriatrics. June 2012.
Matta J, Mayo N, Dionne I, Payette H, Gray-Donald K, Gaudreau P, Fulop T, Tessier D, 
Shatenstein B, Morais JA. Insulin resistance is associated with muscle mass and sources of 
protein intake in elderly participants of the Quebec Longitudinal Study on Nutrition and Aging 
(NuAge). 32nd Annual Scientific Meeting, April 19-21, 2012. Quebec City, Can J Geriatrics 
June 2012.

Burgos SA, Morais JA, Chevalier S, Gougeon R, Marliss EB. Glucose turnover during the 
postabsorptive pancreatic clamp in normal young men. 15th CDA/CSEM Professional 
Conference and Annual Meetings, Vancouver, October 10-13, 2012, Canadian J Diabetes 
September suppl. 2012

Burgos SA, Morais JA, Chevalier S, Gougeon R, Marliss EB. Time course of insulin signaling 
and action in human skeletal muscle during a hyperinsulinemic pancreatic clamp. 15th 
CDA/CSEM Professional Conference and Annual Meetings, Vancouver, October 10-13, 2012, 
Canadian J Diabetes September suppl. 2012

Gouspillou G, Sgarioto N, Kapchinsky S, Purves-Smith F, Pion C, Morais JA, Aubertin-
Leuheudre M, Hepple RT. Modest Alterations in Skeletal Muscle Mitochondrial Function with 
Aging in Recreationally Active Subjects. International Conference on Sarcopenia Research 

Pion C.H., Barbat-Artigas S., Leduc-Gaudet J-P., Feiter-Murphy Y., Gouspillou G., Morais JA., 
Bélanger M. & Aubertin-Leheudre M. Relationship between muscle characteristics, muscle 
adipose tissue distribution, neuromuscular factors, functional capacities and dynapenia index in 
Hotel, Orlando, Florida. December 6, 2012

Report

Bergman, Howard

Presented to Centre de recherche sur le vieillissement, CSSS-IUGS Sherbrooke (Feb 28, 2012)

3. Academic and community engagement service outside of McGill by individual 
members of the unit

Conferences

Bergman, Howard

Frailty: Searching for a relevant and evidence based framework. Promoting access to innovation 
and clinical research for frail old persons. IAGG/WHO/SFGG 3rd joint workshop. Athens, 
Greece (Jan 20-21, 2012)

Frailty. (Invited speaker) Institut universitaire de médecine sociale et préventive. Lausanne,
Switzerland (Jan 23, 2012)

Défi pour le système de santé des maladies chroniques et du vieillissement, dans la communauté et à l’hôpital. (Invited speaker) Institut universitaire de médecine sociale et préventive. Lausanne, Switzerland (Jan 23, 2012)

Frailty: Searching for a relevant clinical and research framework. Beijing Institute of Geriatrics, Xuanwu Hospital, Capital Medical University. Beijing, China (Mar 13, 2012)

Caring for patients with dementia. (Session Chair and Speaker). 12th International Stockholm/Springfield Symposium on Advances in Alzheimer Therapy. Stockholm, Sweden (May 9-12, 2012)


Training Physicians and Leaders in Family Medicine at McGill. Symposium: Training Family Physicians in China. Shenzhen, China (Dec 3, 2012)


Chertkow, Howard


“Bilingualism and onset of dementia”. Dept of Psychology Bilingualism Workshop, McGill


Morais, JA

XVIII Brasilian Congress of Geriatrics and Gerontology – Keynote Speaker. Sarcopenia and insulin resistance - the Québec NuAge Study. Congress Centre of Sul-America, Rio de Janeiro, Brazil, May 25, 2012


32nd Annual Scientific Meeting of the Canadian Geriatrics Society. The Top 20 - Review of the 2011-2012 Geriatric Literature. Westin Quebec. Quebec City, April 21, 2012


30th Anniversary of the Research Centre of the IUGM. Dietary proteins and the maintenance of muscle mass with aging. IUGM, Montreal, Quebec. October 12, 2012


Committee Work

Chertkow, Howard

- Member, NIH Committee to review the Alzheimer’s Disease Cooperative Study (ADCS). Bethesda, Maryland, July 2012-.
- Executive member (elected), ISTAART (Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART), a professional society for individuals interested in Alzheimer's and dementia science) 2012-
- Adjudication Committee, Bristol Myers Squibb, 2012
- Member, International committee to review the Ontario Brain Institute. 2012-
- Publication and Dissemination Chair and Coordinator, 3rd Canadian Consensus Conference on Diagnosis and Treatment of Dementia. Activities: presentations, multiple publications, dissemination to the public and physicians of Canada. (2007-2012)

LeBlanc, Andréa

- Associate Director for Research Core Facilities at the Lady Davis Institute for Medical Research, July 1, 2010-2012.
- Founder and co-coordinator with Dr Nicole Leclerc from U. de Montreal of a group of basic scientists working to understand the fundamental causes of Alzheimer disease. 2007-
- Chair of FRSQ chercheur boursier senior committee. 2010-2013
- Member of CIHR Neuroscience A committee, 2012
- Editorial Board Member, The American Journal of Pathology, April 1 2004- present
- Academic Editor, PLoS ONE 2011-

Morais, JA

- Director of the Division of Geriatrics (Executive Committee, Undergraduate Committee, Education Training Committee) 2009-Present
- Member of the Executive Committee of the Canadian Geriatrics Society. (Vice-President 2011) Eight periods of 1 hours/year. 2008-Present
- Member of the Organizing Committee of the 32th Annual Meeting of the Canadian Geriatrics Society in Quebec City 2012. (2011-2012)
- Member of the Steering Committee of the Regroupement des Unités de courte durée gériatiques et des services hospitaliers de gériatrie du Québec (RUSGQ). Six Periods of 2 hours. 2011-Present
- McGill RUIS Sub committee of Aging – 3 periods of 2h. 2011-Present
- Associate Director of the Reseau québécois de recherche sur le vieillissement – FRQS. Monthly
meetings. 2010-Present
-FRQS Member of the Forum on Aging. July – October 2012, monthly meetings of 1h duration. 2012
-Chair, RUIS McGill Committee on the Integration Project of St-Anne’s Hospital to the Montreal
-Health and Social Service Network. 2012
-Canadian Space Agency SHARE Workshop. Exploring the common life sciences and health
challenges and key research questions: Parallels on changes in human health in Space and Aging.
-American Journal of Physiology: Endocrinology and Metabolism
-American Journal of Clinical Nutrition
-Journal of the American Geriatrics Society
-Journal of Nutrition Health and Aging
-Member of the Editorial Board of the Canadian Journal of Geriatrics
-Member of the Scientific Committee of the Annales de Gérontologie

SECTION III - CONFIDENTIAL INFORMATION

1. Consulting activities:

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<tr>
<th>Name of Faculty Member</th>
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<th>Public Sector Consulting (# of days)</th>
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<tr>
<td>Howard Chertkow</td>
<td>3hrs/month (1.5 days)</td>
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Submitted by:
Chief, Division of Geriatric Medicine
José Morais, MD

Site Director of Geriatric Medicine
Ruby Friedman, MD