



Hôpital général juif
Jewish General Hospital

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



HÔPITAL D'ENSEIGNEMENT
DE L'UNIVERSITÉ MCGILL | A MCGILL UNIVERSITY
TEACHING HOSPITAL

3755, chemin de la Côte-Sainte-Catherine
Montréal, Québec H3T 1E2

Tel. 514 340 8222
Web jgh.ca

Annual Report
Division of Geriatric Medicine
Department of Medicine - Jewish General Hospital
January 1 - December 31, 2012

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, Faculty Lecturer, Active
Dr. Susan Gold, Assistant Professor, Active
Dr. Paul Heilpern, Faculty 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

CIHR Team in Frailty and Ageing. Understanding frailty and frail older persons' needs, to design innovative models of care. Béland F & Tourigny A (PI); co-applicants: Bergman H, Morais JA, Bonin L, Couturier Y et al. CIHR (Canadian Institutes of Health Research). \$3,729,120 (\$745,834/year) 2007-2012

Canadian Longitudinal Study on Aging (CLSA)-Mobility Initiative (CMI) – An Emerging Team in Mobility in Aging. Raina P, Kirkland S, Wolfson C (PI's). Bergman H et al (co-applicants). CIHR (Canadian Institutes of Health Research) \$1,487,100 (\$247,850/year) 2008-2014

Canadian Longitudinal Study on Aging. Raina P, Kirkland S, Wolfson C. Bergman H et al (co-applicants). CIHR (Canadian Institutes of Health Research) \$23,500 (2009-2014)

Le diagnostic et la prise en charge des patients avec troubles cognitifs en première ligne: Déterminer les modèles d'intervention les plus efficaces et leurs conditions de succès. Vedel I & Bouchard P (PI), Beland F, Bergman H, Bouchard M, Lapointe L, Monette J, Pelletier C, Pluye P. CIHR (Canadian Institutes of Health Research) \$99,728 (2012-2013)

Measurement of Frailty to identify high-risk elderly patients referred for surgical and transcatheter aortic valve replacement. Afilalo J (PI), Bergman H, Morais JA, Perrault L, Popma J, Cabau R, Shahian D. CIHR (Canadian Institutes of Health Research) \$360,000 (2012-2016)

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)

The impact of beta-amyloid burden on cognition in normal aging. Joubert S (PI), Bocti C, Chertkow H, Holcroft C. CIHR (Canadian Institutes of Health Research) operating grant of \$645,866. (2012-2017)

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

Regulation of prion protein expression, trafficking, and function. LeBlanc A (PI). CIHR operating grant. \$689,580. (2010-2015)

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

Looking for prodromal symptoms of delirium among long-term care residents. Voyer P, Champoux N, Monette J. Réseau Québécois de recherche sur le vieillissement (FRSQ). \$10,000. (2011-2012)

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)

RADAR: A new screening tool to improve the recognition of delirium among older persons. Voyer P & Champoux N (PI), Desrosiers J, Hottin P, Landreville P, Mccusker J, Monette J, Savoie ML. CIHR. \$454,631 (2010-2014)

Utilisation des services médicaux d'urgence et hospitaliers chez la clientèle âgée de 75 ans et plus. Quel est l'impact de l'accès aux ressources médicales et communautaires de première ligne. Afilalo M & Vedel I (PI), Grad R, Monette J. FRSQ. 260 213\$. (2011-2014)

A pilot RCT to evaluate the feasibility of a geriatric assessment. Puts M (PI). CIHR. \$114,843 (2012-2013)

Understanding the Association Between Perioperative Process-based Quality Indicators and Recovery in Elderly Patients. Bergman S (PI). CIHR. \$263,372 (2012-2014)

A systematic review of factors influencing older adults' decision to accept or refuse cancer treatment proposed by their physician. Puts M (PI), Fitch M, Howell D, Krzyzanowska M, Leighl N, Monette J, Wan-Chow-Wah D. CIHR. \$51,835 (2012-2013)

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)

Évaluation des effets d'une supplémentation en protéine combinée à un programme en résistance sur les caractéristiques corporelles et physiologiques au niveau musculaire chez des hommes âgés pré-frêles et non frêles. (PI): Aubertin-Leheudre M. Co-investigators : Morais JA, Hepple RT, Chevalier S, Bélanger M, Rassier D, Taivassalo T & Gouspillou G. FRQS –RQRV. \$15,000 (2012-2013)

Études du phénotype et des fonctions des macrophages dans le T2DM et leur effet sur les ilots de cellules β du pancréas. (PI): Fulop, T. Co-investigators : Morais JA, Vermette P, Tessier D. FRQS – RQRV. \$14,400 (2012-2013)

Edith Strauss Rehabilitation Research Projects – Pilot project for the promotion of self-management of chronic mobility limitations among vulnerable seniors at the MUHC: Training the new generation of Canadian PTs for this role. (PI): Mayo N, Co-investigators: Morais JA, Di Re A, Thomas M. \$11,650 (2012-2013)

Caractérisations physiologiques et comparaison de la qualité musculaire chez des aînés sédentaires et très actifs. (PI): Aubertin-Leheudre M, Co-investigators : Morais JA, Hepple RT, Bélanger M. FRQS – RQRV. \$14,400 (2011-2012)

Insulin sensitivity of protein in type 2 diabetes mellitus. (PI): Gougeon R. Co-investigator: Morais JA, Marliss EB, Chevalier S. CIHR. \$164,736/year (2009-2013)

Mechanisms of insulin resistance of protein metabolism in human obesity. (PI): Marliss E. Co-investigators: Morais JA, Gougeon R, Chevalier S. CIHR. \$140,240/year (2003-2006), \$157,452/year (2006-2009), \$163,875/year (2009-2014)

New Team Grant on Fragility. Co-PI: François Béland and André Tourigny. Co-Investigators (23): Responsible for biological aspects: Morais JA, Fülöp T and Gaudreau P. CIHR \$745,834/year (2007-2012)

2. Scholarly works published in the 2012 calendar year:

Publications

Bergman, Howard

Patterson C, Hogan DB, Bergman H. Commentary on “The choices facing Geriatrics”. Canadian Geriatrics Journal. 15(2):24; 2012

Rockwood K, Bergman H. Editorial review on “Frailty: A report from 3rd joint workshop of IAGG/WHO/SFGG, Athens, January 2012”. Canadian Geriatrics Journal. 15(2):31; 2012

Sourial N, Bergman H, Karunanathan S, Wolfson C, Guralnik J, Payette H, Gutiérrez-Robledo L, Deeg DJ, Fletcher JD, Puts MT, Zhu B, Beland F. Contribution of frailty markers in explaining differences among individuals in five samples of older persons. Journal of Gerontology: Medical Sciences (doi:10.1093/gerona/gls084); 2012

Rodriguez Mañas L, Feart C, Mann G, Viña J, Chatterji S, Chodzko-Zajko W, González-Colaço H, Bergman H, et al. Searching for an Operational Definition of Frailty: a Delphi Method based Consensus Statement. The Frailty Operative Definition-Consensus Conference Project. Journal of Gerontology: Medical Sciences (doi:10.1093/gerona/gls119); 2012

De Stampa M, Vedel I, Bergman H, Novella JL, Lechowski L, Ankri J, Lapointe L. Opening the black box of clinical collaboration in integrated care models for frail, elderly patients. The Gerontologist (doi:10.1093/geront/gns081); 2012

Arsenault-Lapierre G, Bergman H, Chertkow H. Word reading threshold and mild cognitive impairment: a validation study. BMC Geriatrics (doi:10.1186/1471-2318-12-38); 2012

Chertkow, Howard

Arsenault-Lapierre G, Whitehead V, Lupien S.J, & Chertkow H. Effects of anosognosia on perceived stress and cortisol levels in Alzheimer’s disease. International Journal of Alzheimer’s Disease, special issue: Mild Cognitive Impairment: Beyond Memory Dysfunction. <http://www.hindawi.com/journals/ijad/2012/209570/>. 2012

Johns E, Phillips N, Belleville S, Goupil D, Babins L, Kelner N, Ska B, Gilbert B, Massoud F, De Boysson C, & Chertkow H. Profile of Executive functioning in Amnesic Mild Cognitive Impairment: Disproportionate Deficits in Inhibitory Control. Journal of the International Neuropsychological Society, 18, 1-15. 2012

Barnabe A, Whitehead V, Pilon R, Arsenault-Lapierre G, Chertkow H. Autobiographical memory in mild cognitive impairment and Alzheimer’s disease: a comparison between the Levine and Kopelman interview methodologies. Hippocampus, 22(9), 1809-25. 2012

Patterson C, Gauthier S, Chertkow H, Gordon M, Herrmann N, Rockwood K, Rosa-Neto P, & Soucy J.P. 4th Canadian Consensus Conference on the Diagnosis and Treatment of Dementia. Canadian Journal of Neurological Sciences, 39 (suppl 5), S1-S8. 2012

Monette, Johanne

Vida S, Monette J, Wilchesky M, Monette M, Friedman R, Nguyen A, Dastoor D, Cristache G, Sourial N, Tremblay L, Gore B. A long-term care center interdisciplinary education program for antipsychotic use in dementia; program update five years later. *International Psychogeriatrics*. Vol 24:4, 599–605; 2012

Monette J, Alessa W, McCusker J, Cole M, Voyer P, Champoux N, Ciampi A, Sourial N, Monette M, Belzile E. Association of resident and room characteristics with antipsychotic use in long-term care facilities (LTCF). *Arch Gerontol Geriatr*. 55 (1):66-9; 2012

McCusker J, Cole M G, Voyer P, Ciampi A, Monette J, Champoux N, Vu M, Belzile E. Development of a delirium risk screening tool for long-term care facilities. *International Journal of Geriatric Psychiatry*. Vol 27: 999–1007; 2012

Cole M, McCusker J, Voyer P, Monette J, Champoux N, Ciampi A, Vu TTM, Belzile E. The course of delirium in older long-term care residents. *International Journal of Geriatric Psychiatry*. Vol 27: 1291–1297; 2012

Afilalo J, Mottillo S, Eisenberg MJ, Alexander KP, Noiseux N, Perrault LP, Morin JF, Langlois Y, Ohayon SM, Monette J, Boivin JF, Shahian DM, Bergman H. Addition of Frailty and Disability to Cardiac Surgery Risk Scores Identifies Elderly Patients at High Risk of Mortality or Major Morbidity. *Circulation Cardiovascular Quality and Outcomes*. 5 (2):222-8; 2012

Puts MTE, Hardt J, Monette J, Girre V, Springall E, Alibhai SMH. Use of geriatric assessment for older adults in the oncology setting: A systematic review. *Journal of the National Cancer Institute*. 104(15):1134-64; 2012

Cole M, McCusker J, Voyer P, Monette J, Champoux N, Ciampi A, Vu TTM, Dyachenko A, Belzile E. Symptoms of Delirium Occurring Before and After Episodes of Delirium in Older Long-Term Care Residents. *Journal of the American Geriatrics Society*. Vol 60:2302–2307; 2012

Morais, José

Fiocco AJ, Shatenstein B, Ferland G, Payette H, Belleville S, Kergoat MJ, Morais JA, Greenwood CE. Sodium intake and physical activity impact cognitive maintenance in older adults: the NuAge Study. *Neurobiol Aging*. 33:829.e21-8; 2012

Awad M, Morais JA, Wollin S, Khalil A, Gray-Donald K, Feine J. Overdentures and Nutrition: A Randomized Controlled Trial. *J Dental Research*. 91:39-46; 2012

Bartali B, Frongillo EA, Stipanuk M, Bandinelli S, Salvini S, Palli D, Morais JA, Volpato S, Guralnik J and Ferrucci L. Effect of protein intake on change in muscle strength in older persons:
Does inflammation matter? *J Am Geriatr Soc*. Mar;60(3):480-484; 2012

Shatenstein B, Ferland G, Belleville S, Gray-Donald K, Kergoat MJ, Morais JA, Greenwood C, Gaudreau P, Payette H. Diet quality and cognition among older adults from the NuAge study.

Exp Gerontol. 2012; May;47(5):353-360; 2012.

Hogan DB, Borrie M, Basran JF, Chung AM, Jarrett PG, Morais JA, Peters E, Rockwood KJ, St John PD, Sclater AL, Stultz T, Woolmore-Goodwin S. Specialist physicians in geriatrics-report of the Canadian geriatrics society physician resource work group. Can Geriatr J. 2012 Sep;15(3):68-79. doi: 10.5770/cgj.15.41. Epub Sep 20, 2012.

Presse N, Gaudreau P, Greenwood CE, Kergoat MJ, Morais JA, Payette H, Shatenstein B, Ferland G. A single measurement of serum phylloquinone is an adequate indicator of long-term phylloquinone exposure in healthy older adults. J Nutr. 2012 Oct;142(10):1910-6. Epub Aug 22, 2012.

Schipper, Hyman

Su H, Velly AM, Salah MH, Benarroch M, Trifiro M, Schipper HM, Gornitsky M. Altered redox homeostasis in human diabetes saliva. J Oral Pathol Med 41:235-241; 2012.

Song W, Zukor H, Lin S-H, Hascalovici J, Liberman A, Tavitian A, Mui J, Vali H, Tong X-K, Bhardwaj SK, Srivastava LK, Hamel E, Schipper HM. Schizophrenia-like features in transgenic mice overexpressing human HO-1 in the astrocytic compartment. J Neurosci 32:10841–10853; 2012.

Song W, Zukor H, Lin S-H, Liberman A, Tavitian A, Mui J, Vali H, Fillebeen C, Pantopoulos K, Wu T-D, Guerquin-Kern J-L, Schipper HM. Unregulated brain iron deposition in transgenic mice overexpressing HMOX1 in the astrocytic compartment. J Neurochem 325-335; 2012.

Schipper HM. Neurodegeneration with brain iron accumulation: clinical syndromes and neuroimaging. Biophys Biochim Acta 1822: 350–360; 2012.

Schipper HM. Redox Neurology. Ch. 10. In K. Pantopoulos and H. M. Schipper (eds.): Principles of Free Radical Biomedicine, Vol. III, Nova Biomedical, New York, pp. 229-262; 2012.

Pantopoulos K, Schipper HM (eds.): Principles of Free Radical Biomedicine, Vol. I (Free Radical Chemistry), Nova Science Publishers, New York, pp. 1-318; 2012

Pantopoulos K, Schipper HM (eds.): Principles of Free Radical Biomedicine, Vol. II (Free Radical Biology), Nova Science Publishers, New York, pp. 1-642; 2012

Pantopoulos K, Schipper HM (eds.): Principles of Free Radical Biomedicine, Vol. III (Oxidative Stress and Disease), Nova Science Publishers, New York, pp. 1-413; 2012

Abstracts published or presented

Bergman, Howard

Bergman H. How should we structure care for Alzheimer patients? 12th International Stockholm/Springfield Symposium on Advances in Alzheimer Therapy. Stockholm, Sweden (May 9-12, 2012). *Neurobiology of Aging* 2012; vol 33: S3

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)

Vedel I, Moore A, Lee L, Patterson C, Monette M, Pluye P, Bergman H. Collaborative Care Model in Primary Healthcare for Persons With Alzheimer's Disease-related Disorders and With Other Chronic Diseases: An Interdisciplinary Participatory Research Protocol. 40th NAPCRG 2012 Annual Meeting. New Orleans, Louisiana (December 1-5, 2012)

Bergman H. Vedel I, Moore A, Lee L, Tourigny A. A collaborative care model in primary health care for persons with Alzheimer's disease/related disorders and with other chronic diseases. 2012-2013 Primary Health Care System (PHCS) Research Rounds.

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

Chertkow H. Nasreddine Z. Phillips N, Litwin L, & Whitehead V. Low tech diagnostic approach with the MoCA (Montreal Cognitive Assessment) fails to distinguish Alzheimer's disease from Frontotemporal dementia. The International Neuropsychological Society. Montreal, February 18, 2012.

Chertkow H. Nasreddine Z. Phillips N, & Whitehead V. In Mild Cognitive Impairment, does the severity of impairment on Moca (Montreal Cognitive Assessment) predict progression to dementia? The International Neuropsychological Society. Montreal, February 16, 2012.

Chertkow H. Bergman H. Bocti C, Christina W, McKelvey R, & Whitehead V. Amnestic Mild Cognitive Impairment in a Memory Clinic: Longitudinal Course and predictors of progression. The International Neuropsychological Society. Montreal, February 18, 2012.

Chertkow H. Richardson J, Nikelski J, & Guiot M-C. Does a positive PIB scan always mean Alzheimer's Disease? Alzheimer's Association International Conference 2012. Vancouver, July 14-19, 2012.

Chertkow H, Nikelski J, Leger G, Nasreddine Z, Whitehead V, Pilon R, Probst S. & Evans A. Using multi-modal imaging in uncovering the pathological basis of atypical Alzheimer's Disease subjects. Alzheimer's Association International Conference 2012. Vancouver, July 14-19, 2012.

Chertkow H, Nikelski J, Vaitekunas S, Bergman H, Whitehead V, & Solomon S. What is the cause of cognitive decline in MCI individuals who do not have amyloid? Alzheimer's Association International Conference 2012. Vancouver, July 14-19, 2012.

Chertkow H, Bergman H, Bocti C, Wolfson C, McKelvey R, & Whitehead V. Amnesic Mild Cognitive Impairment in a Memory Clinic: Longitudinal course and predictors of progression Alzheimer's Association International Conference 2012. Vancouver, July 14-19, 2012.

Julayanont P, Brousseau M, Borrie M, Chertkow H, Phillips N, & Nasreddine Z. The Montreal Cognitive Assessment Memory Index Score (MoCA-MIS) and Total MoCA Score (MoCA-TS) to help predict MCI conversion to AD. Alzheimer's Association International Conference 2012. Vancouver, July 14-19, 2012.

Frtusova J, Duncan H, Chertkow H, Nasreddine Z, & Phillips N. A convergence between items on the Montreal Cognitive Assessment and neuropsychological tests in mild cognitive impairment: A factor analysis. Association International Conference 2012. Vancouver, July 14-19, 2012.

Morais, JA

Snarr C, Redmond E, Morais JA, Wykes L, Chevalier S. Leucine balance, metabolic and satiety responses to a leucine-rich meal in healthy elderly women. FASEB Meeting 2012, San Diego, April 21-25, 2012. Exp Biology 2012.

MacAdams J, Winter A, Morais JA, Burgess S, Chevalier S. Elevated gluconeogenesis in aging and lung cancer is related to inflammation and blunted insulin-induced protein metabolism. FASEB Meeting 2012, San Diego, April 21-25, 2012. Exp Biology 2012.

Parrott M, Shatenstein B, Ferland G, Morais JA, Belleveille S, Kergoat MJ, Payette H, Greenwood C. Impact of diet quality on cognition depends on socioeconomic position. The NuAge Study. FASEB Meeting 2012, San Diego, April 21-25, 2012. Exp Biology 2012.

Ferland G, Presse N, Belleveille S, Gaudreau P, Greenwood C, Kergoat MJ, Morais JA, Payette H, Shatebstein B. Vitamin K and cognition function in healthy older adults. FASEB Meeting 2012, San Diego, April 21-25, 2012. Exp Biology 2012.

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 2012. Hilton Grand Hotel, Orlando, Florida. December 6, 2012

Pion C.H., Barbat-Artigas S., Leduc-Gaudet J-P., Feiter-Murphy Y., Gouspillou G., Morais JA., Bélanger M. & Aubertin-Leuheudre M. Relationship between muscle characteristics, muscle adipose tissue distribution, neuromuscular factors, functional capacities and dynapenia index in moderately active men. International Conference on Sarcopenia Research 2012. Hilton Grand Hotel, Orlando, Florida. December 6, 2012

Report

Bergman, Howard

Bergman H. Rétroaction mi-mandat sur la programmation de recherche FRQS 2009-2013. 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)

Fragilité-comorbidité limites et frontières. 8èmes Journées Nationales. Actualités en Onco-Gériatrie et Onco-Hématologie du sujet Agé. Nantes, France (Sept 20-22, 2012)

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

The Quebec Alzheimer Plan: The Never-Ending Cycle from Practice to Policy to Research and Back. Aging research in Newfoundland and Labrador: Achievements and Prospects. Symposium on a Provincial Centre on Aging. The Pepsi Centre. Corner Brook, NL (Sept 25, 2012)

Le défi de la première ligne. Elaboration du Plan Stratégique 2012-2015 du CSSS de la Montagne. Centre de santé et de services sociaux de la Montagne (CSSS). CLSC Parc-Extension. Montréal, QC (30 août, 2012)

Chertkow, Howard

"Defeat Alzheimer Disease to Avoid the Looming Worldwide Health Crisis." Symposium. AASS Annual Meeting, Vancouver: Feb. 16-20, 2012.

"New Directions in Diagnosis: Imaging (of MCI)". Keynote Speaker – Mild Cognitive Impairment. Rotman Conference on Cognitive Neuroscience. Toronto: March 26, 2012.

"Cognitive Neuroscience of MCI". Keynote Speaker – Mild Cognitive Impairment. Rotman Conference on Cognitive Neuroscience. Toronto: March 28, 2012.

"Aging Brain and Dementia", Brain Research in Canada. Parliament Hill, Ottawa: May 14, 2012.

"New guidelines for diagnosing dementia, MCI, and preclinical Alzheimer's disease. 47th Congress of the CNSF. Ottawa: June 6, 2012.

"Bilingualism and onset of dementia". Dept of Psychology Bilingualism Workshop, McGill

University. Montreal: October 23, 2012.

“The new diagnosis of Alzheimer’s Disease: Is this the Memory Clinic of the future?” St. Mary’s Medical Grand Rounds. Montreal: October 25, 2012.

“Biomarkers and early diagnosis of Alzheimer’s Disease”. Alberta Neuroscience Consortium Meeting, Edmonton: October 30, 2012

Bilingualism and dementia. World Federation of Neurology Research Group on Aphasia & Cognitive Disorders. Hyderabad, India: December 9, 2012.

“When is it normal to forget? Aging and memory...working towards a cure.” The Auxiliary Jewish General Hospital Public Lecture. Montreal: October 17, 2012.

Vancouver Sun. “Canadian studies on the agenda at Alzheimer’s conference.” July 10, 2012.

CJAD Radio, Tommy Schnurmacher Show, “Alzheimer’s Disease”. July 11, 2012.

Morais, JA

XVIII Brazilian 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

XVIII Brazilian Congress of Geriatrics and Gerontology – International Symposium on "Prevention of isolation and dependence" Preventing loss of function in hospitalized older adults. Congress Centre of Sul-America, Rio de Janeiro, Brazil, May 25, 2012

Dietitians of Canada - Nutrition Support Day. 2012. Managing Nutrition Support Regimes with an emphasis on older adults. Delta Calgary South. Calgary. April 28, 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

Institut Servier Symposium on Sarcopenia. Sarcopenic-obesity. Maison de la Chimie, Paris. October 25, 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

CIHR 500th Café scientific on Healthy Eating for Better Aging. La Grande Bibliothèque du Québec. Montreal, Quebec. November 8, 2012

CIHR Workshop for journalists. Healthy Eating for Better Aging. Role of dietary proteins in the maintenance of muscle mass with aging. Hotel Le Cantlies. Montreal, Quebec. November 9, 2012

Workshop on aging, CSSS de l'Ouest. Savoir s'organiser pour mieux faire face au défi du vieillissement. Pierrefonds, Quebec, June 13, 2012

Symposium RUIS McGill - Workshop on continuum of Care. Préparation au tsunami du vieillissement. McGill Residence Hall, Montreal, Quebec. May 28, 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 gériatriques 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 Réseau québécois de recherche sur le vieillissement – FRQS. Monthly

meetings. 2010-Present

-CIHR member of the Biological and Clinical Aspects of Aging Committee. November 26-27, 2012

-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.

-National Gallery. Ottawa. June 11, 2012.

-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 G erontologie

SECTION III - CONFIDENTIAL INFORMATION

1. Consulting activities:

Name of Faculty Member	Private Sector Consulting (# of days)	Public Sector Consulting (# days)	Other (# of days please explain)	Total
Howard Chertkow Bristol Myers Squibb	3hrs/month (1.5 days)			1.5 days

Submitted by:

Chief, Division of Geriatric Medicine
Jos e Morais, MD

Site Director of Geriatric Medicine
Ruby Friedman, MD