

Parkwood Institute Research

The PIR Newsletter

A message from the Interim Chairs . . .

Greetings,

The PIR program half-day event, "Parkwood Institute Research: An Overview of Current & Future Research" held April 22, 2016 was well received by researchers and clinicians at Parkwood Institute; this event included fifteen presentations providing an overview of research from the three theme areas.

On May 12th, the PIR Interim Chairs presented the key foci for 2016 and beyond at the Lawson Health Research Institute retreat. This included discussion on the following; recruitment status for the PIR Ivey Chair; confirmation of the key research priorities of Cognitive Vitality and Brain Health; development of a Mobility Assessment Laboratory and Exercise Intervention Facility; continued development and expansion of the Collaborative Health Research Informatics System (CHRIS) to other PIR groups and, development of the three major research groups in Mental Health. Key PIR challenges include lack of research space in the second floor Specialized Geriatric Services clinical trials area with overcrowding and safety concerns, time constraint for salaried researchers in Mental Health and, diversity of research themes. An application to move some of the cognitive clinical trials group staff up to vacant space on the third floor has been arranged to begin to address space needs.

The recruitment process for the Beryl and Richard Ivey Research Chair in Aging, Mental Health, Rehabilitation and Recovery is awaiting approval, by Western University, of the advertisement before it is released to selected journals. We encourage you to speak to potential, suitable internal and external candidates to make them aware of this opportunity.

Dr. Dick O'Reilly will be stepping down as Director of Psychiatric Research at Parkwood Institute in September, and the Mental Health Care Program will be recruiting for this vacant position. We wish Dick well in his future endeavours!

Inside this Issue –

| | |
|---|----|
| <i>A message from the Interim Chairs</i> | 1 |
| <i>New Research Personnel</i> | 2 |
| <i>New Endeavours</i> | 3 |
| <i>Notable Accomplishments</i> | 3 |
| <i>Student's Corner</i> | 7 |
| <i>Research Funding</i> | 8 |
| <i>Presentations & Invited Lectures</i> | 10 |
| <i>Publications</i> | 15 |
| <i>Calendar of Events</i> | 18 |



Dr. Tim Doherty



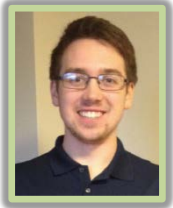



Dr. Michael Borrie



Dr. Dick O'Reilly

“Welcome” New Research Personnel~

We would like to extend a special welcome to our new research personnel, who have joined the Parkwood Institute Research (PIR) program over these past few months:

- ❖ **Monisha Basu** – Monisha is a third year honours health science student at Western University. She will be working with Dr. Borrie and the Cognitive Clinical Trials Team. Monisha loves the clinical environment and hopes to work in clinical care in the future. Working in clinical trials is her first exposure to medical research. She is especially excited to be involved in research aimed at finding novel treatments for neurodegenerative diseases and improving prognoses for patients with dementia.
- ❖ **Korbin Blue** – Dr. Montero-Odasso and the Gait and Brain lab team welcomes Fanshawe College coop student Korbin Blue; Korbin is studying Chemical Laboratory Technologies, a course that emphasizes research and laboratory analysis.
- ❖ **Adam Hopfgartner** - Adam graduated from Western University in the spring of 2015 with a Bachelor of Medical Science. He hopes to continue his education at Western during the upcoming fall term as a graduate student in the Biomedical Engineering program. As a summer student, with Dr. Teasell and the CORRE research team, he is currently working on updating the EBRSR. 
- ❖ **Abby Korzak** - In February, Abigail (Abby) joined Dr. Wells and Dr. Borrie as part of the Cognitive Clinical Trials Team as a Research Coordinator. Previously, Abby was a Research Coordinator for ten years at University Hospital working with the Orthopaedic research department. Abby has a Bachelor of Science in Nursing, a Masters of Nursing, Clinical Trials Coordinator Certificate and Project Management Certification. 
- ❖ **Tommy Li** - Tommy joined Dr. Pasternak’s research team as a Research Coordinator. In 2012, he completed his bachelor degree of Medicine in China and got the certificate of physician there. In 2015, he graduated from University of Waterloo with a Master Degree of Health Studies and Gerontology. He participated in several research projects including study, health evaluation, epidemiology research and systematic review with publishing 13 peer-review articles. As a Research Coordinator in Dr. Pasternak’s research team, Tommy is currently assisting with the Parkinson's Disease, Dementia and Alzheimer's Disease projects. 
- ❖ **Brandon Ro** - Brandon recently graduated from Western University with a degree in Physiology and Biology. He will be attending the University of Toronto to pursue a Masters degree in management and innovation. As a summer student with Dr. Teasell and the CORRE research team, Brandon will be working on updating the SCIRE and ERABI databases. 

NEW ENDEAVOURS...

- ❖ **Joanne Chapman** - At the end of June, Joanne Chapman retired. For 38 years Joanne provided secretarial and office management support in mental health care in administrative and clinical settings including; human resources, administration, inpatient hospital unit, and an outpatient community treatment clinic.



For the past 11 years, Joanne worked in the Research and Education Unit balancing the activities to support research and provided administrative assistance to Dr. Richard O'Reilly, Director of Research along with responsibilities to the Coordinated CPD Program and Director of Education, Dr. Varinder Dua. Joanne was known for her friendly professional manner and her efficient organizational skills

Joanne has moved on to "semi" retirement - working part-time and spending time with her five grandchildren.

Dr. Richard O'Reilly would like to extend his utmost gratitude to Joanne for her expertise and conscientious dedication to her work over the years.

NOTABLE ACCOMPLISHMENTS. . .

- ❖ **Swati Mehta** - Swati was this year's recipient of the *Lawson Impact Leadership Award*. This award is presented to the top graduate student demonstrating leadership qualities. Swati is a BSc MA PHD candidate and member of the PIR Program's CORRE Research Group.



- ❖ **Radha Joseph** – Radha is the winner of the *Willard and Phoebe Thompson Award* for best medical student Oral Presentation at 2016 Canadian Geriatrics Society (CGS) for her presentation on "Medical Trainees' Experiences with Complex Patients" awarded April 18th. Radha is supervised by Dr. Laura Diachun.
- ❖ **Alishya Burrell** – Alishya is the *third place winner for her Poster Presentation* entitled "The Canadian Geriatric Society's Core Competencies: their place in the Undergraduate Medical Education Curriculum at the Western University Schulich School of Medicine & Dentistry" awarded April 15th. Alishya is supervised by Dr. Laura Diachun.



Picture (left to right): Alishya Burrell, Resident; Dr. Laura Diachun, Primary Supervisor and Radha Joseph, Research Student at CGS 2016, Vancouver BC.

- ❖ **Tim Doherty** - Tim co-authored a paper, published in the Journal of Applied Physiology that was *featured in the New York Times* (<http://well.blogs.nytimes.com/2016/03/30/exercise-makes-our-muscles-work-better-with-age/>). This study, led by Dr. Geoff Power (Guelph University) was carried out in collaboration with researchers from McGill University and carefully assessed neuromuscular health in world class master's athletes. Their nerves and muscles, including the number and health of nerves innervating a lower limb muscle, were similar to those decades younger. Power GA, Allen MD, Gilmore KJ, Stashuk DW, Doherty TJ, Hepple RT, Taivassalo T, Rice CL (2016) Motor unit number and transmission stability in octogenarian world class athletes: Can age-related deficits be outrun? Journal of Applied Physiology. Epub. PMID 27013605.
- ❖ **Eldon Loh** – Eldon was involved in several award winning projects;
 - **First Place, Original Research Abstract** co-author together with Playfair L, Roberts S, Agur A, Burnham R. "A cadaveric study of the effectiveness and safety of ultrasound-guided percutaneous carpal tunnel release." at the Annual Meeting Canadian Association of Physical Medicine and Rehabilitation awarded May 28th.
 - **Third Place, Original Research Abstract** principal author together with Roberts S, Burnham R, Agur A. "Ultrasound-guided diagnostic block and radiofrequency ablation technique for sacro-iliac joint complex pain: A cadaveric and subsequent prospective cohort study of effectiveness" at the Canadian Association of Physical Medicine and Rehabilitation Annual Meeting awarded May 28th.
- ❖ **Manuel Montero Odasso** – On May 19th, Manuel *chaired the inaugural meeting of the "Falls and Fractures Special interest group"* at the CGS Canadian Geriatrics Society Annual Scientific Meeting. The CGS Falls and Fractures Special Interest Group (FALLS SIG) aims to foster a pan-Canadian approach to Falls and Fractures under the umbrella of CGS including clinicians and researchers with interest in Fall as geriatric syndrome. The short-term goal is to set up a framework to identified gaps and challenges in current fall prevention strategies and to appraise and evaluate current falls prevention guidelines to explore the need of the development of clinical practice guidelines form CGS.
- ❖ **Richard Crilly** – *co-authored a study that took first place for the "Best Poster"* award in the Clinical Trials category for presenting "A randomized multifaceted intervention in long term care (LTC) increased the use of osteoporosis medications in residents at high risk for fracture: Gaining Optimal Osteoporosis Assessments in LTC (GOAL) Study" at the American Geriatrics Society Annual Meeting on May 18, 2016. Co-authors include: Ioannidis G, O'Donnell D, Navare H, Kennedy C, Giangregorio L, Cheung A, Feldman S, Jain R, Josse R, Marr S, Prasad S, Thabane L, Adachi J.



PARKWOOD INSTITUTE RESEARCH-SPECIFIC ENDOWMENTS ~ 2016 RECIPIENTS ~

The **Parkwood Institute Research-Specific Endowments (PIRSE) Review Committee** is pleased to announce, this year's **Endowment Recipients**:

FELLOWSHIPS:

The Endowed Research Fellowship in Care of Older Adults:



Frederico Faria (Supervisor: Dr. M. Montero-Odasso)

Project Title: Does Motor Planning Contribute to Increased Fall Risk In Patients With Mild Cognitive Impairment? A Motor Imagery And Functional Magnetic Resonance Study

Project Description: This research project will investigate the impact of motor planning on walking stability in individuals with and without MCI as well as the neural substrate of these problems. Walking while planning for an upcoming obstacle avoidance may impose more “mental stress” which may increase instability in individuals with MCI. Walking instability will be assessed using an electronic walkway

that quantifies several walking parameters while participants walk with or without an obstacle on the pathway. After all walking assessments, the cerebral activity of participants will be assessed while imagining the same walking tasks that were performed on the electronic walkway. This assessment will allow us to identify faulty activation of brain areas related to walking performance. This is possible because imagination of walking tasks activates the same brain areas activated during actual walking. Therefore, this methodology will allow us to investigate in depth the impact of MCI on mechanisms of walking control during simple (unobstructed walking) and in a complex walking condition that demands more planning (obstacle avoidance). Moreover, this assessment protocol allows correlations to be made between cerebral activities associated with actual walking assessments and fall occurrence. This will allow more reliable assumptions about brain-behavior relationships. Finally, finding the “broken” walking control mechanisms in the brain of older adults with MCI will be a ground breaking discovery that can improve the efficacy of pharmacological and non-pharmacological interventions for fall prevention.

The Robert S. & Mary Gay, Donald, James and Helen (Taylor) Gay Endowed Research Fellowship in Veterans Care:



Kevin Hansen (Supervisor: Dr. R. Lanius)

Project Title: Prevalence of moral injury in Canadian Forces members deployed to Afghanistan

Project Description: The proposed study will attempt to estimate the prevalence of potential moral injury in the CF using the CFMHS results. In an effort to examine the state of mental health in the Canadian military, between April and September 2013 Statistics Canada, along with the Department of National Defence [DND] and the Canadian Forces [CF], surveyed over 9,000 regular-duty CF members who had been

deployed to Afghanistan about their mental health status and service use; the Canadian Forces Mental Health Survey [CFMHS]. Neither the MIES nor the MIQ was available at the time of the CFMHS, and as a result, previously validated questions specifically relating to moral injury could not be included in the survey. Rates of moral injury are not currently being assessed or tracked by either the Canadian Forces or the Department of National Defence, and as a result, estimates of its prevalence in the CF are unknown.

The Mary Elizabeth Horney Fellowship in Rehabilitation Research:



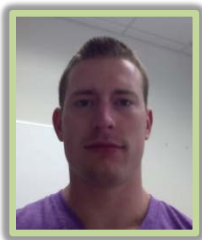
Amanda McIntrye (Supervisor: Dr. R. Teasell)

Project Title: Examining the Stroke Rehabilitation Continuum

Project Description: The purpose of this project is to fill an important gap in stroke literature which is, to better understand the process by which patients move between inpatient and outpatient stroke rehabilitation. This project will determine where stroke patients go after leaving Parkwood Institute, what type of services they use, and how long it takes to acquire these services. Additionally, this project will also examine the patient and clinical characteristics of those accessing outpatient services at Parkwood Institute versus those receiving services in their home.

ENDOWMENTS/STUDENTSHIPS:

Joseph A. Scott Studentship in Mobility and Aging:



Neal McKinnon (Supervisor: Dr. T. Doherty)

Project Title: Comparing neuromuscular function in mobility impaired and healthy older and young adults

Project Description: The objective of this study is to determine if nerve degeneration is greater in the lower limbs of adults that have mobility impairments, in comparison to healthy similar aged and young control subjects. Muscle nerve properties will be recorded using a techniques know as decomposition-enhanced spike-triggered averaging (DE-STA) from the tibialis anterior (TA) and vastus medialis (VM) muscles. This technique uses a combination of intramuscular and surface electrodes, which record the electrical activity in

the muscle during moderate intensity voluntary contractions. This information can be used to determine the health and number of nerves supplying the muscle. In addition, we will be recording strength and peak muscle power from the TA and VM. During the typical aging process, there is an increase in inflammation and stress applied to the neuromuscular system, which usually has a greater effect on the fast twitch muscle fibers. As increasing numbers of fast twitch motor neurons are degenerated, the muscle begins to consist of more slow twitch fibers. Thus, it has been suggested that muscle power may be a more sensitive measure of neuromuscular degeneration than muscle strength, since there are less fast twitch muscle fibers available to produce rapid powerful movements. We hypothesize that older adults will have less nerves innervating these lower limbs muscles than young adults, with even greater losses seen in mobility impaired older adults.

London Life Stroke Rehabilitation Studentship:



Jerome Iruthayarajah (Supervisor: Dr. R. Teasell)

Project Title: An investigation of the predictive potential of the AlphaFIM towards inpatient rehabilitation outcomes.

Project Description: At Parkwood Institute, stroke inpatient services are under constant pressure to provide quality care to a large volume of stroke patients admitted to the unit, while simultaneously adhering to quality based procedures set out by the Ontario health system. A concern among practitioners is that once patients arrive to inpatient rehabilitation, resource allocation is reactive instead of pre-emptive. Initial days of rehabilitation are often not fully utilized as patients are being assessed and rehabilitation plans are being developed. The primary goal of this project is to understand if the AlphaFIM, a measure of patient disability taken in acute care, can accurately predict inpatient rehabilitation resources and patient outcomes. The outcomes that will be evaluated include functional ability, ability to work post stroke, length of rehabilitation stay, and discharge destination. This project will have a direct impact on patients at Parkwood Institute by including only stroke inpatients from our rehabilitation unit. Finally, this project is in alignment with other research studies currently being conducted by the CORRE group that aim to improve the efficiency of patients through the health care continuum from the moment of stroke onset to the end of rehabilitation and life in the community.

Siskinds Studentship in Spinal Cord Injury:



Lyndsay Orr (Supervisor: Dr. P. Houghton)

Project Title: Cost Effectiveness of the Implementation of Electrical Stimulation Therapy for the Healing of Pressure Ulcers in Community.

Project Description: The use of electrical stimulation (EST) for the treatment of pressure ulcers (PrU) is supported in the literature and recommended in multiple best practice guidelines for its known effect of improving the healing rates in individuals with spinal cord injury (SCI). What is not known are the costs associated with the delivery of this therapy. Cost utility analysis (CUA) allows for the assessment of direct and indirect treatment costs while considering the quality of life adjustment for the population receiving the treatment. A prospective CUA will be conducted parallel to an EST implementation project in order to determine cost effectiveness from a societal perspective in usual circumstances in the community. By conducting research that measures, identifies and compares the costs of resources consumed and the consequences of EST in the community, we can assess the economic and societal value for the use of this health care technology. This research will also allow us to improve individual and community PrU healing outcomes while providing important feedback in terms of cost to assist with policy development, resource allocation and treatment choice.

Funding for the annual PIRSE Competition is made possible through the generous support of the St. Joseph's Health Care Foundation and their donors. On behalf of this year's recipients, we extend our sincere thank you to the Foundation for their continued support for our research trainees.



STUDENT'S CORNER...

"The Canadian Medical Hall of Fame: Discovery Days"

On May 6 2016, the Division of Geriatric Medicine, the Gait and Brain Laboratory at Parkwood Institute and the Lawson Health Research Institute, took part in "The Canadian Medical Hall of Fame: Discovery Days". **Navena Lingum**, research assistant at the Gait and Brain Lab together with Dr. Montero-Odasso co-hosted the session entitled "Walking the walk while talking: How your brain affects your walk". Using the 'walking while talking' example, the presentation demonstrated how mobility and cognition interact and how impairments can impact the daily lives of seniors. The unique opportunity provided high school students from across the greater London area with a glimpse into the possibility of a career in medicine, research and the health sciences utilizing interactive workshops featuring scientists and clinicians behind cutting-edge research. This event was co-sponsored by Western University and Fanshawe College and supported in part by the Ontario Ministry of Research and Innovation (Dr. Montero-Odasso's ERA Award).



STUDENT PRESENTATIONS:**Jonatan Snir**

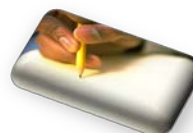
Snir J, Bartha R, Montero Odasso M

Brain White Matter Integrity is Associated with Future Falls In Seniors With Mild Cognitive Impairment Canadian Conference on Medical Education. Montreal QC
Department of Medicine Resident Research Day. London ON

**Andrew Song – awarded Best Poster**

Song H, Montero-Odasso M, Barnes B.

Polypharmacy increases risks of falls by probably affecting gait velocity and stability. Results from the "Gait & Brain Study". Department of Medicine
Resident Research Day. London ON

**GRANTS & RESEARCH FUNDING. . .**

Co-Investigators: Borrie M, Burhan A, Fogarty J, Pasternak S, Bartha R

Study Title: Jazzercise to improve physical fitness and brain function in sedentary post-menopausal women with subjective cognitive impairment: A pre/post feasibility study.

Agency: Cognitive Vitality and Brain Health Research Seed Fund Competition, SJHC Foundation,

Year: 2016-2018

Amount: \$24,779

Principal Investigator: Dasgupta M

Co-Investigators: Gutmanis I, Schlegal K, Beker L

Study Title: A novel approach to manage challenging behaviours in confused, hospitalized seniors

Agency: AMOSO

Year: 2016-2018

Amount: \$22,750

Principal Investigator: Eng J, Teasell R

Co-Investigators: Miller W, Wolfe D, Kwon B, Hsieh J, Townson A, Connolly S, Noonan V, Loh E

Study Title: Spinal cord injury review evidence

Agency: Ontario Neurotrauma Foundation and Rick Hansen Foundation

Year: 2016 - 2017

Amount: \$250,000

Co-Investigators: Forchuk C, Burhan A

Study Title: TELEPROM-G: A Study evaluating access and care delivery of Telehealth services among community-based seniors

Agency: Canadian Frailty Network (previously TVN)

Year: 2016-2017

Amount: \$100,000

Principal Investigator: Keast D

Co-Investigators: Bakeer M, Chawla P

Study Title: A multi-center, randomized, controlled trial of non-healing diabetic foot ulcers (DFU) treated with standard of care with or without Cryopreserved Umbilical Cord Allograft (NEOX® CORD 1KTM)

Agency: TissueTech Inc

Year: 2016

Amount: \$125,587.00

Principal Investigator: Keast D

Study Title: LIMPINT: An international multi-site population based study to determine the prevalence and functional impact of lymphoedema/chronic oedema in the adult population of member countries of the International Lymphoedema Framework

Agency: St. Joseph's Health Care Foundation

Year: 2016

Amount: \$24,210.80

Principal Investigator: Keast D

Study Title: Unrestricted grant in aid of wound care research

Agency: St. Joseph's Health Care Foundation as provided by Medline Industries grant-in-aid of Wound Care Research

Year: 2016

Amount: \$20,000

Co-Investigators: Montero-Odasso M, Burhan A, Hachinski V, Speechley M, Doherty T.

Study Title: Non-invasive brain stimulation, mobility and executive dysfunction in older adults

Agency: Dean's Research Grant Initiative

Year: 2015- 2017

Amount: \$40,000

Principal Investigator: Morrow S

Co-Investigators: A. Andrade, M. Kremenchutzky

Study Title: Progressive degeneration from onset in pediatric multiple sclerosis: Evaluation of clinical and health-related quality of life, early loss of brain integrity and accelerated immunological senescence

Agency: Multiple Sclerosis Scientific Research Foundation

Year: 2015-2018

Amount: \$30,000

Co-Investigators: Palaniyappan L, St. Lawrence K, Theberg J, Finger E, Burhan A, Sharma J, Poolacheria R

Study Title: Inflammation-related excitotoxicity in neuropsychiatric disorders

Agency: Lawson's Annual Strategic Research Fund Competition

Year: 2016-2018

Amount: \$49,800

Co-Investigators: Turgeon A, Hutchison J, Teasell R

Study Title: Canadian Traumatic Brain Injury Research Consortium (CTRC)

Agency: Canadian Institute of Health Research (CIHR)

Year: 2015-2019

Amount: \$1,824,513

Principal Investigator: VanBussel L

Co-Investigators: Gutmanis I, Marlatt N

Study Title: Problem-Solving Therapy (PST) Education: Providing excellence in mental health care through staff skill development

Agency: St. Joseph's Health Care Foundation

Year: 2016-2018

Amount: \$19,124

Principal Investigator: Wolfe D

Study Title: Development and implementation of a clinical decision support system to improve outcomes associated with activity-based therapies

Agency: Ontario Neurotrauma Foundation (ONF)

Year: 2016-2019

Amount: \$146,840

PRESENTATIONS & INVITED LECTURES. . .

MARCH

Al-Qadhi S, Chawla T, Seabrook J, Burhan A

Competency by design curriculum for Electroconvulsive Therapy for Canadian residency training. Canadian Conference on Medical Education. Montreal QC

Brar J, McIntyre A, Cotoi A, Jinah A, Iruthayarajah J, Vermeer J, Teasell R

The efficacy of playing musical instruments for upper limb rehabilitation among individuals with stroke: A systematic review. London Health Research Day. London, ON; GTA Rehab: Best Practices Day. Toronto, ON

Cotoi A, Jinah A, Brar J, Janzen S, Teasell R

Using theta burst stimulation (TBS) to improve upper limb motor function following a stroke: A systematic review. London Health Research Day. London, ON; GTA Rehab: Best Practices Day. Toronto, ON

Jinah A, Cotoi A, Brar J, McIntyre A, Teasell R

The effect of hippotherapy or horseback riding simulation therapy on lower limb motor function in stroke patients: A systematic review. London Health Research Day. London, ON; GTA Rehab: Best Practices Day. Toronto, ON

Jinah A, Vermeer J, Allen L, Cotoi A, Teasell R

A systematic review of the efficacy of telerehabilitation interventions available for individuals with stroke. Moving forward Together: Advancing rehabilitation in a global context. Montreal, QC; GTA Rehab: Best Practices Day. Toronto, ON

Keast D

CAWC Education: Case based workshop, Improving patient outcomes. Southwest Regional Wound Care Program. London ON

Keast D

Identification, assessment and management of wound infections. Coloplast Wound Institute. Toronto ON

Keast D

Prevention and management of diabetic foot complications. Diabetic Foot Canada. Fanshawe College. London ON

Salim M, Qureshi R, Sharma V, and Anderson K

Recurrence of bipolar disorder during pregnancy: A systematic review. London Health Research Day. London, ON

Sequeira N, Iruthayarajah J, Janzen S, McIntyre A, Teasell R

Evaluating the effectiveness of Phenytoin and Levetiracetam for seizure prophylaxis among a brain injury population: A systematic review. London Health Research Day. London, ON

Serrato J, McIntyre A, Rice D, Hussein N, Teasell R

The effect of intensity of top-down and bottom-up cognitive rehabilitation on unilateral neglect among stroke patients - A systematic review. London Health Research Day. London, ON

Teasell R, Hebert D, Lindsey P

Emerging practices in stroke rehabilitation: Are they ready for prime time? National Stroke Webinar.

APRIL

Borrie M

Observational studies and clinical trials across the spectrum of cognitive decline. PIR presentation. London ON

Borrie M

Mild cognitive impairment, Alzheimer disease, diagnosis, treatment and research. Alzheimer's Outreach Service Education Series: Medical Night. McCormick Home. London, ON

Burrell A, Diachun L

The Canadian Geriatric Society's core competencies: Their place in the undergraduate medical education curriculum at the Schulich School of Medicine & Dentistry. CGS 36th Annual Scientific Meeting. Vancouver, BC

Das S, Borrie M, Mohades Z, Strauss T, Campbell T, Fogarty J, Whitehead V, Pillon R, Lindsay J, Best S
Comprehensive assessment of Neurodegeneration and Dementia (COMPASS-ND) Study: Implementing the clinical cohorts platform. CGS 36th Annual Scientific Meeting. Vancouver, BC

Joseph R, Lingard L, Cristancho S, Diachun L

Medical Trainees' experiences with complex patients. CGS 36th Annual Scientific Meeting, Vancouver, BC; Canadian Conference on Medical Education. Montreal, QC

Koning C, Charbonneau R, Mumme L, Mark M, Wallace M, Walia S, Bay-less K, Cwiklewich M

Implementing best practice in pressure ulcer prevention education: Patient reported outcomes driving practice changes. 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC

Laramée M, Joly C, Robidoux I, Jeune V, Walia S

How implementation science helped us change practices. The IRGLM's experience with the spinal cord injury knowledge mobilization network. 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC.

Lee L, Molnar F, Hillier L, Patel, T, Slonim K

Collaborative dementia care in primary care: How collaborative is it? Canadian Geriatric Society Annual Scientific Meeting. Vancouver, BC

Lee L, Hillier L

What aspects of dementia care do primary care clinicians want to learn more about? A learning needs assessment of memory clinic training program participants. Canadian Geriatric Society Annual Scientific Meeting. Vancouver BC

Marr S, Hillier L, Simpson D, Vinson S, Goodwill S, Jewell D, Hazzan, A

Factors contributing to older adults' ability to self-manage their care following discharge from the Emergency Department to the community: A qualitative study. Canadian Geriatric Society Annual Scientific Meeting. Vancouver, BC

Marr S, Hillier L, Simpson D, Vinson S, Goodwill S, Jewell D

How do older adults decide to visit the emergency department? Canadian Geriatric Society Annual Scientific Meeting. Vancouver, BC

Montero Odasso M

Falls in the cognitively impaired: Evidence, assumptions and therapeutic options. Canadian Geriatrics Society CGS Annual Scientific Meeting. Vancouver, BC

Montero Odasso M

Physical frailty, cognitive frailty and the risk of Dementia in the Gait and Brain Study. ICFSR International Conference on Frailty & Sarcopenia Research. Philadelphia, PA

Montero Odasso M

The effect of high doses of vitamin D on muscle strength, gait, and physical performance in frail older adults. ICFSR International Conference on Frailty & Sarcopenia Research. Philadelphia, PA

Marrocco S, Cornell S, Fielding M, Hsieh J, Wolfe D

Development of a clinical decision support system to improve locomotor outcomes in persons with spinal cord injury. 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC

Sleeth L, Ahmed S, Kras-Dupuis A, Marrocco S, Ware P, Wolfe D

Developing and online, theory based bladder self management program for persons with spinal cord injury through iterative consultations. ASIA 2016 Annual Scientific Meeting. Philadelphia, PA and, 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC

Sleeth L, Brandow S, Hitzig S, Marrocco S, Shepherd J, Wolfe D

What's up with self-management for persons with spinal cord injury: A scoping review of characteristics and components of existing programs. ASIA 2016 Annual Scientific Meeting Philadelphia, PA; 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC

Snir J, Bartha R, Montero-Odasso M

Poor white matter integrity predicts fall risk in older adults with MCI rarely findings of a diffusion Tensor Imaging (DTI) Study. London ON and, Canadian Geriatrics Society CGS Annual Scientific Meeting. Vancouver, BC

Teasell R

Quality based procedures update. Community Stroke Rehabilitation Teams Workshop. Stratford, ON
Tomasone J, Sleeth L, Marrocco S, Scime N, Ma J, Burke S, Wolfe D
Use and effectiveness of behavior change techniques for physical activity self-management among persons with spinal cord injury: A systematic review protocol. 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC

Walia S, Koning C, Kras-Dupuis A, O'Connell C, Scovil C, Wolfe D

Key activities to facilitate sustained practice change: Learning from the experiences of the SCI KMN. 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC

Wolfe D, Allin S, Anzai K, Athanasopoulos P, Jaglal S, et al

Development and initial validation of an online, Pan-Canadian self-management program for SCI. 2016 PRAXIS Bridging the Gaps: From SCI Research to Improved Outcomes. Vancouver, BC

MAY

Allen A, McIntyre A, Janzen S, Vermeer J, Ure D, Teasell R

Effect of time post stroke onset on ability to make functional gains in individuals accessing home-based stroke rehabilitation program. GTA Rehab: Best Practices Day, Toronto, ON

Allen L, Vermeer J, Serrato J, Jinah A, Ure D, Branco C, Teasell R

The impact of home-based videoconferencing technology for speech language pathology rehabilitation after stroke. GTA Rehab: Best Practices Day. Toronto, ON

Andersen M, Knox K, Nickel D, McIntyre A, Mirkowski M, Bruno T, Bayley M

Team-based rehabilitation in multiple sclerosis: A systematic review of self-care outcomes. Canadian Association of Physical Medicine & Rehabilitation. London, ON

Burnhan A

Increasing usage of sedative antidepressants in long-term care homes among elderly with Dementia: A population-based time-series analysis. American Psychiatric Association. Toronto, ON

Cotoi A, Irathayarajah J, McIntyre A, Brar J, Teasell R

The effect of continuous theta burst stimulation (CTBS) on unilateral-neglect in patient with stroke: A systematic review. GTA Rehab: Best Practices Day. Toronto, ON

Gutmanis I

Program evaluation. Invited Lecturer, Clinical Psychology Residents, London, ON.

Ioannidis G, O'Donnell D, Navare H, Kennedy C, Giangregorio L, Cheung A, Crilly R, et al

A randomized multifaceted intervention in long term care (LTC) increased the use of osteoporosis medications in residents at high risk for fracture: Gaining optimal Osteoporosis assessments in LTC (GOAL) study. 2016 American Geriatrics Society Annual Meeting. Long Beach, CA

Irathayarajah J, Janzen S, Cotoi A, Macaluso S, Teasell R

The use of virtual reality for balance among individuals with chronic stroke: A systematic review and meta-analysis. 2nd European Stroke Meeting. Barcelona, Spain; GTA Rehab: Best Practices Day. Toronto, ON; London Health Research Day. London, ON

Janzen S, McIntyre A, Irathayarajah J, Vermeer J, Britt E, Teasell R

A Knowledge translation initiative: Examining the sustainability of change on a stroke rehabilitation unit. 2nd European Stroke Meeting, Barcelona Spain; GTA Rehab: Best Practices Day. Toronto, ON

Keast D

World alliance for wound and lymphedema care: Update on principal activities in resource limited settings. European Wound Management Association Conference. Bremen, Germany

Keast D

Does your wound need a silver lining? London, ON

Loh E, Roberts S, Burnham R, Agur A

Ultrasound-guided diagnostic block and radiofrequency ablation technique for sacro-iliac joint complex pain: A cadaveric and subsequent prospective cohort study of effectiveness. Canadian Association of Physical Medicine and Rehabilitation Annual Meeting. London, ON

Mehta S, Loh E, Nielsen W, Walton D

Does current stage of pain effect mood and coping among individuals with chronic neck pain? Pain Research and Management. Canadian Pain Society Annual Meeting. Vancouver, BC

Mehta S, Rice D, Shapiro A, Sequeira K, Teasell R

A multidimensional model of childhood sexual abuse and adjustment among individuals with chronic pain: A path analysis. Canadian Pain Society Meeting. Vancouver, BC

Montero Odasso M

Falls and cognition in the elderly. evidence, assumptions and therapeutic options to reduce falls risk. City-Wide Grand Rounds, University of Buffalo Department of Medicine; Division of Geriatrics and Palliative Medicine. Buffalo, NY

Montero-Odasso M

Gait and cognition Syndrome. A reliable predictor of incident dementia. Ethnogeriatrics and International Activities Combined Special Interest Group Meeting. American Geriatrics Society Annual Scientific Meeting (AGS) Annual Scientific Meeting. Long Beach, CA

Playfair L, Roberts S, Loh E, Agur A, Burnham R

A cadaveric study of the effectiveness and safety of ultrasound-guided percutaneous carpal tunnel release. Canadian Association of Physical Medicine and Rehabilitation Annual Meeting. London, ON

Rice D, Janzen S, McIntyre A, Vermeer J, Thompson S, Britt E, Teasell R

Comprehensive outpatient rehabilitation program: A hospital-based stroke outpatient rehabilitation program. GTA Rehab: Best Practices Day. Toronto, ON

Rice D, Mehta S, Shapiro A, Sequeira K, Harth M, Teasell R

Workstyle and psychological distress among patients with chronic pain and rheumatoid arthritis. Canadian Pain Society Meeting. Vancouver, BC

Rice D, McIntyre A, Mirkowski M, Janzen S, Viana R, Britt E, Teasell R

Patient-centered goal setting in a hospital-based outpatient stroke rehabilitation program. 2nd European Stroke Meeting, Barcelona, Spain; GTA Rehab: Best Practices Day. Toronto, ON

Teasell R

Whiplash: The 5 articles you should know. Med Legal Conference. 64th Annual Meeting of the Canadian Association of Physical Medicine & Rehabilitation. London, ON

Teasell R

Cognitive vitality and Psychiatry – Past, present and future (Keynote Address). 64th Annual Meeting of the Canadian Association of Physical Medicine & Rehabilitation. London, ON

Teasell R

Stroke Rehabilitation Role in Cortical Reorganization. 10th ISPRM (International Society Physical Rehabilitation Medicine) World Congress. Kuala Lumpur, Malaysia

Teasell R

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Vermeer J, McIntyre A, Janzen S, Rice D, Ure D, Teasell R

Correlates of depressive symptoms in stroke patients in a home-based rehabilitation setting. 2nd European Stroke Meeting, Barcelona, Spain; GTA Rehab: Best Practices Day. Toronto, ON

Viana R, Mehta S, Janzen S, Miller, Sequeira K

Comparing efficacy of landmarking vs. EMG guidance when treating post-stroke spasticity with botulinum toxin type A. Canadian Association of Physical Medicine & Rehabilitation. London, ON

Wells J

Cognitive impairment and pain SIG patients with Dementia in the rehabilitation setting - a focus on pain management. The CAPM&R 64th Annual Scientific Meeting. London, ON

PUBLICATIONS. . .

Peer-Reviewed Articles:

Allen M, Doherty T, Rice C, Kimpinski K

Neuromuscular consequences of diabetic neuropathy. *Journal of Applied Physiology.* 2016; Epub. PMID 29684391

Bender A, Eynan R, O'Grady J, Nisenbaum R, Shah R, Links P

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Blair M, Gill S, Gutmanis I, Smolewska K, Warriner E, Morrow S

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Peripartum-onset of obsessive-compulsive disorder in women with bipolar disorder – A case series. *J Obsess Comp Rel Disord*. 2016; 6: 120-123

Uguz F, Sharma, V

Mood stabilizers during breastfeeding: a systematic review of the recent literature. *Bipolar Disorders* May 2016

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A training programme involving automatic self-transcending meditation in late-life depression: preliminary analysis of an ongoing randomised controlled trial. *British Journal of Psychiatry Open* Apr 2016; 2(2): 195-198; DOI: 10.1192/bjpo.bp.115.002394

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Wang W, Keast D

Prevalence and characteristics of lymphoedema at a wound-care clinic. *Journal of Wound Care North American Supplement* 2016

Wolf S, Kwakkel G, Bayley M, McDonnell M for the Upper Extremity Stroke Algorithm Working Group (including Salter K, Teasell R)

Best practice for arm recovery post stroke: An international algorithm. *Physiotherapy* 2016; Mar 102(1): 1-4

Zaheer J, Shera W, Tsang A, Law S, Fung W, Eynan R, Lam J, Zheng X, Pozi L, Links P

"I just couldn't step out of the circle. I was trapped": Patterns of endurance and distress in Chinese-Canadian women with a history of suicidal behaviour. *Social Science & Medicine*, 2016; May 10

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A randomized multifaceted intervention in long term care (LTC) increased the use of osteoporosis medications in residents at high risk for fracture: Gaining Optimal Osteoporosis Assessments in LTC (GOAL) Study. *Journal of the American Geriatrics Society*. 2016; 64 (Suppl 1):S95

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CALENDAR OF EVENTS. . .

Alzheimer's Association International Conference

July 24-28, 2016

❖ Toronto, Ontario

Details: <https://www.alz.org/aaic/about/practical-information.asp>

The Canadian Association on Gerontology

"CAG2016: Fostering Innovation in Research on Aging"

October 20-22, 2016

❖ Montreal, Quebec

Details: <http://cag2016.ca/>

