

The PIR Newsletter

A message from the Interim Chairs....

Greetings,



We are very pleased to welcome Dr. Cheryl Forchuk as the new Beryl and Richard Ivey Research Chair in Aging, Mental Health, Rehabilitation and Recovery, effective July 1, 2017.

Dr. Forchuk is an internationally renowned researcher in the areas of mental illness, homelessness and poverty. She brings enormous experience in building research partnerships with community-based organizations, government, and the private sector and, has contributed significantly to innovative and evidence-informed public policy supporting disadvantaged populations in Ontario. Dr. Forchuk is a Distinguished University Professor, Arthur Labatt School of Nursing, Faculty of Health Sciences, with cross-appointment to the Department of Psychiatry, Schulich School of Medicine and Dentistry, Western University. She is a Fellow of the Canadian Academy for Health Sciences, and has received the Order of Ontario.

The Ivey Chair provides scientific leadership to the primary areas of research within the Parkwood Institute Research Group and is funded through an endowment established in 2001 within the St. Joseph's Health Care Foundation with the support of many donors with lead support from the Ivey family. Dr. Forchuk will continue in her role as an Assistant Scientific Director of the Lawson Health Research Institute and as leader of the Mental Health Research Group. Our warmest welcome, Dr. Forchuk, to your new role at PIR!

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Dr. Tim Doherty



Dr. Michael Borrie



Dr. Arlene MacDougall

COMMUNICATION UPDATES. . .

ReDA, LORA and WERM:

Introducing a new software program for registering and managing clinical research approvals.

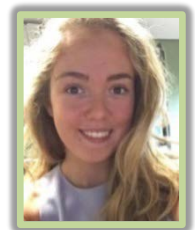
In early September, Lawson Health Research Institute and Western University's Office of Human Research Ethics will be implementing new web-based software tools for managing research approvals. **Lawson's ReDA (Research Database Application)** and **LORA (Lawson Online Research Application)** modules will be used to register your study with Lawson, manage Lawson approval events and support the **Clinical Research Impact Committee (CRIC)** member communication and review. **Western's Research Ethics Manager (WERM)** will be used for submissions to the Research Ethics Board and support ongoing ethical review and oversight. The software tools will replace Western's ROMEO and Lawson's current paper-based approval process.

- Researchers will be able to share documents with Lawson and CRIC members and will have a transparent view on the progress of their research study approval applications.
- Features include training record maintenance, study calendar, time line tracking, e-filing, email reminders, sharing of key data fields between Lawson and Western Ethics, and flexible reporting.
- More information about ReDA, LORA and WERM, including training information and dates, will be shared broadly in July and posted on Lawson's [intranet](#).

“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:

- ❖ **Shelby Diachun** –Shelby is a third year honors health science student at the University of Waterloo. She will be working with Dr. Borrie and the Cognitive Clinical Trials Team at Parkwood Institute. She is excited to be a part of a research team working to find treatments for neurodegenerative disease and helping to improve the outcomes of patients diagnosed with dementia.
- ❖ **Sandi Hallock** – Sandi joined PIR Mental Health in March 2017 as Administrative Assistant to Dr. Arlene MacDougall, Director of Research & Innovation. As the Professional Development Coordinator for Mental Health Sandi also organizes the weekly Educational Rounds on Mondays in the Mental Health Amphitheatre and, coordinates the annual P. Chandarana London Psychiatry Review Course; a six day OSCE/Royal College prep course attended by over 200 PGY 4 & 5 Psychiatry Residents from across Canada & the UK. Prior to this, Sandi worked at LHSC for 10 years providing administrative support to over 15 psychiatrists in programs such as PEPP, Consultation Liaison, Sleep Clinic, and Urgent Consultation Service.



- ❖ **Alice Mary Ivaschescu** - Alice Mary is working as a summer research assistant with Dr. Robert Teasell and the CORRE group. She recently completed her Bachelor of Science in Honours Health Studies from the University of Waterloo. Alice will be working on the stroke and brain injury evidence-based reviews.
- ❖ **Andrea Lee** - Andrea Lee is working as a summer research assistant with Dr. Robert Teasell and the CORRE group. She is currently working towards her Bachelor of Science at Western University. During the summer Andrea is helping with the evidence-based review of stroke rehabilitation. She will be returning to her studies in the fall.
- ❖ **Dr. Niamh O'Regan** - Dr. Niamh O'Regan, recently joined the Division of Geriatric Medicine an Assistant Professor and Clinician Researcher. She completed her specialty training in General Internal Medicine and in Geriatric Medicine in 2015 through the Royal College of Physicians in Ireland (RCPI) and completed her PhD degree through University College Cork, Ireland in 2016. Dr. O'Regan's research interests focus on delirium. Her thesis examined the characteristics of emerging delirium in older medical inpatients and has produced national and international presentations and publications. Niamh was centrally involved in developing a delirium e-learning module for medical postgraduates through the Royal College of Physicians of Ireland. She was also a key member of a working group to develop a nationwide algorithm for the detection and management of delirium in the acute hospital setting.
- ❖ **Danielle Vanderlaan** - Danielle is working as a summer research assistant with Dr. Robert Teasell and the CORRE group. She recently completed her Bachelor of Arts in Health, Aging and Society at McMaster University. Over the summer she will be working on the stroke and brain injury evidence-based reviews. Danielle will continue her studies in Respiratory Therapy at Conestoga College in the fall.



Parkwood Institute Research-Specific Endowments ~ 2017 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)



Renewal for 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 Update –Frederico began his fellowship in Care of Older Individuals at Parkwood Institute in September 2016 and received ethical approval for his project in late September 2016. Since then, he has tested 29 individuals with Mild Cognitive Impairment (MCI) and 18 Controls (mean 74.6 ±8 years of age). During this 5 month term, he was able to complete testing with all participants for their cognitive and gait assessments and began implementing the project's preliminary analyses. These analyses revealed trends toward his hypothesis stating falls in older adults with cognitive impairments may be associated with impaired thinking or planning to avoid obstacles while walking. He believes motor planning difficulties may destabilize walking in older adults with poor cognition increasing the chances of falling. However more analyses are necessary for a better comprehension of walking problems and falls in older people with and without MCI. This fellowship renewal will be crucial to expand these behavioural (e.g. retrospective and prospective fall events) and brain analysis (e.g. magnetic resonance) that will provide important insights into mechanisms of reduced mobility and falls in older adults. Finding the mechanisms of falls in older adults will be of extreme important to improve the efficacy of interventions aiming falls prevention in this population. For these reasons, he is very honored to accept this award renewal to continue his fellowship in Care of Older Individuals at Parkwood Institute.

The Mary Elizabeth Horney Fellowship in Rehabilitation Research:

Demian Kogutek (Supervisor: Dr. M Montero-Odasso)



Project Title: Efficacy of Rhythmic Acquisition on Gait Performance Among Individuals with Parkinson's Disease.

Project Description: The aim of this proposed research is to identify the ability of individuals with PD to acquire different rhythmic complexity levels, and to identify whether higher acquisition of rhythmic complexity levels improves gait performance. A variety of rehabilitation-based interventions are currently available for individuals with PD. Music therapy is one adjunctive strategy that has recently been embraced as an adjunct to conventional rehabilitation and, is showing promising results. Although literature review suggest that IAMT can improve physical mobility, only a limited number of studies have been conducted concerning its clinical effectiveness to date. Unlike other music based therapeutic approaches, this approach wherein a patient and music therapist relate to each other through spontaneous music making, provides the music therapist the possibility to change the musical content accordingly to patient's therapeutic aims. Participant's rhythmic music responses can be altered by the therapist. Different rhythmic structures can potentially be utilized an effective means for altering or influencing the timing of movement. Rhythmic structures can be categorized by level of difficulty, providing an objective metric to quantify performance. To date, investigators have not examined acquisition of rhythmic complexity levels in IAMT sessions as a means to draw correlations to functional motor performance outcome measures. With the support of Parkwood Institute Research Program, 15 more individuals will be recruited to strengthen the power of this study. Results of this innovative research could significantly improve patient mobility and quality of life by approaching it through a different, motivating, natural, and creative therapeutic process.

ENDOWMENTS/STUDENTSHIPS:

Joseph A. Scott Studentship in Mobility and Aging:

Navena Lingum (Supervisor: Dr. M Montero-Odasso)



Project Title: The effect of exercise on white matter hyperintensities, gait and cognition in mild cognitive impairment: A pilot efficacy study

Project Description: Mobility impairments and limitations commonly seen in aging are associated with increased risk of falls, disability, and premature death. Recent research suggests that brain abnormalities or changes may be involved in mobility performance and decline in aging. In particular, white matter hyperintensities (WMH) which represent tissue damage or injury have been demonstrated in association with mobility decline. WMH have also been reported in association for cognitive abilities including attention, memory, problem solving, and reasoning. This is of particular importance as mobility and cognition are considered to be inter-related as brain areas involved in their control are nearby one another.

Additionally, the location of these brain regions are in areas that are exposed to the effects of vascular risk factors that cause brain injury (i.e., WMH). Therefore, exercise, previously reported to improve vascular risk factors, may be a viable intervention strategy to prevent and slow the progression of WMH. Furthermore, the clinical entity of Mild Cognitive Impairment (MCI) denotes a group of individuals in the transition phase between normal aging and dementia that may benefit positively from exercise as they are at a higher risk for mobility impairments and limitations. Motor functions will be examined through gait, and cognitive functions will be examined through neuropsychological tests. The clinical implications of demonstrating significant findings are of importance due to the consequences of WMH.

London Life Stroke Rehabilitation Studentship:

Jerome Iruthayarajah (Supervisor: Dr. R. Teasell)



Renewal for Project Title: An evaluation of the predictive potential of the AlphaFIM towards inpatient rehabilitation outcomes.

Project Update: Jerome was fortunate enough to receive the London Life Stroke Rehabilitation Studentship for the funding period of September 2016 to August 2017. The primary objective of this project was to determine the predictive capacity of alpha functional independence measures (FIM) in determining inpatient rehabilitation admission FIM scores among post-stroke patients and other inpatient outcomes. The secondary objective was to examine if the alpha FIM could consequently be used for patient rehabilitation group assignment, in the hopes of

optimizing the acute care to inpatient rehabilitation triage process. Since receiving the award in September, Jerome has conducted an in-depth literature review of articles examining the alpha FIM, the triage process from acute care to inpatient rehabilitation, and resource allocation as defined by rehabilitation patient groups. He conducted consultation meetings with the stroke inpatient rehabilitation unit coordinator to ensure the information needed for this project could be obtained from the inpatient medical charts. Meetings with various members of the CORRE team were undertaken to refine the methodology of the project (e.g., appropriate data analysis techniques and creation of data extraction forms). The above steps allowed for a more refined research plan. On January 13th 2017, ethics for the project was submitted to Western University, and is currently under review. Data collection and analysis is expected to commence in March. A renewal for the project now allows for a longer timeline conducting chart audits and data analyses. The additional funding support would also provide opportunities for knowledge dissemination in the form of presentations at relevant conferences (Canadian Stroke Congress) and the creation of a manuscript for peer-reviewed publication. The knowledge translation plan would involve providing workshops for Parkwood Institute stroke staff and acute care staff on the findings from this study and how the findings could be used to optimize the rehabilitation triage process.

Siskinds Studentship in Spinal Cord Injury:**Stacey Guy** (Supervisor: Dr. E. Loh)

Project Title: Evaluating the success of a clinical best practice initiative for the prevention of pressure ulcers after spinal cord injury

Project Description: Pressure ulcers are a common medical complication for people with spinal cord injury. Having a pressure ulcer interferes with participating in rehabilitation care, returning to school or work, and reintegrating in to the community. The Spinal Cord Injury Inpatient Rehabilitation Program at Parkwood Institute has implemented a best clinical practice for the prevention of pressure ulcers based on clinical practice guidelines. Since 2012, the Program has been collecting information on the practice. This study wants to evaluate how the practice

is working and where there is room for improvement. This involves examining if health care providers are carrying out the specific practice activities. And investigating this information for patient satisfaction, and if pressure ulcers are being healed before leaving rehabilitation. This study will also see if those activities used to put this clinical practice into place, are linked to the practice patterns over time.

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.



NOTABLE ACCOMPLISHMENTS...

- **Congratulations to Dr. Lena Palaniyappan** recognized for research using brain imaging to develop treatments for mental illness. Dr. Lena Palaniyappan has won the **Canadian College of Neuropsychopharmacology (CCNP)'s 2017 Young Investigator Award** for outstanding contributions to the field of neuropsychopharmacology. The Young Investigator Award is given for basic research or clinical research in alternating years. This year's award was presented for clinical research. Scientists who have completed their post-doctoral or residency training 10 years ago or less are considered for the award. Dr. Palaniyappan uses neuroimaging tools to study the processes that operate in the brain when patients experience symptoms of mental illness, including psychosis – repeated voices or visions (hallucinations) and disturbing thoughts (delusions). For many patients, it is not possible to prevent psychosis or reverse the condition fully. Through their research, Dr. Palaniyappan and his team are working to fully characterize the illness and create new treatments.



Recently he led a study that showed it is possible to use information from the brain's connectivity maps to alter the chemistry of selected brain regions. The hope is that this approach can be used to target precise areas of dysfunction rather than altering the properties of the entire brain to treat psychiatric symptoms. *"Receiving this award highlights the importance of brain imaging in discovering new therapies for brain-based disorders," says Dr. Palaniyappan. "I feel very inspired looking at the achievements of past recipients as many of them have gone on to change how we think about the brain and mind." "With the increasing sophistication of tools to understand the mysteries of the human brain and the world-renowned expertise available in London, there has never been a better time to study psychiatric disorders," adds Dr. Palaniyappan. "I hope we will soon be able to use brain scans to provide patient-specific information on prognosis and monitor the effects of treatments."*

Dr. Palaniyappan is the Medical Director of the Prevention and Early Intervention Program for Psychoses (PEPP), a community-focused mental health program located at London Health Sciences Centre (LHSC). He is also an Associate Professor at Western University's Schulich School of Medicine & Dentistry.

Congratulations to:

- **Rachel Anderson**, a research assistant with Dr. Teasell, has been **accepted into Queen's School of Medicine** and will begin in September.
- **Dr. Amer Burhan** presented "Dementia in Parkinson Disease" as the **Keynote Speaker** at the Spring Regional Parkinson's Conference in Windsor Ontario on May 13, 2017.
- **Dr. Robert Teasell** was the **Keynote Speaker** at the 10th Annual Conference of the Korean Society of Neurorehabilitation, Seoul, Korea held March 18, 2017. The focus of his presentation was "Stroke Rehabilitation at a Crossroads".
- **Spencer Thompson** is an MSc candidate in Health Sciences and Rehabilitation at Western University. Spencer **successfully defended his Masters thesis**, "Assessing the Impact of Caregiver Outcomes on Functional Gains and Reintegration of Patients with Stroke Participating in a Community Stroke Rehabilitation Program" in April 2017. Dr. Robert Teasell and Dr. Susan Hunter-Muir are Spencer's supervisors.
- A **2nd Place Poster Award** was presented to **R. Viana, S Janzen, J Serrato, K Sequeira, M Payne, A McIntyre, R Teasell, T. Miller**. The poster entitled "Treatment of Spasticity with Botulinum Toxin: A Qualitative Study of the Patient's Perspective" was presented at the Annual Meeting of the Canadian Association of Physical Medicine and Rehabilitation, Niagara Falls May 24-27, 2017

PIR RESEARCH EVENTS...

2017 “PIR Spring Update” Research Half Day Event

Held April 21st, the second annual PIR (Parkwood Institute Research) Half Day Event provided an ideal opportunity to showcase the broad range of research activities currently underway at Parkwood Institute and, an opportunity to discuss and debate current research interests with fellow PIR Researchers.

During this event both oral and poster presenters had an opportunity to speak to their studies before a receptive audience providing everyone with not only an update but, a greater understanding and appreciation of the latest research efforts at Parkwood Institute Research.

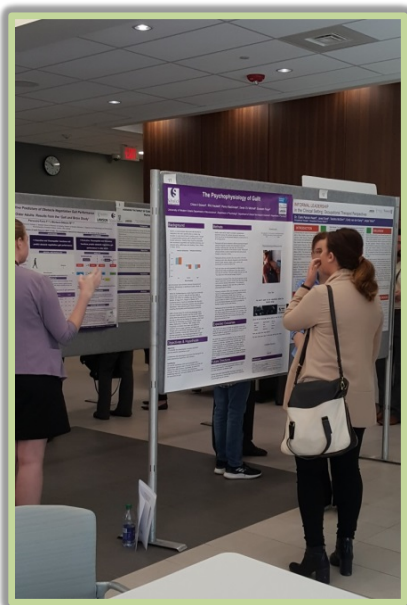


Verinder Sharma
Psychiatrist, Mood and Anxiety Disorders presenting
“Heterogeneity of postpartum depression: diagnostic and treatment implications”



Dalton Wolfe
Scientist, Spinal Cord Injury presenting *“Better decision-making for activity-based therapies for persons with acquired brain and spinal cord injuries”*

Frederico Faria
Post-doctoral Fellow, with The Gait and Brain Lab presenting *“Thinking, feeling and moving in aging: The role of cognition and depression in balance control”*



Emily Ionson
Research Assistant, (Akshya Vasudev’s team) presenting
“Sahaj Samadhi Meditation Improves Symptoms of Late-Life Depression”



Chloe Stewart
PhD Candidate, (Elizabeth Finger’s team) presenting
“The psychophysiology of guilt”



“2017 Geriatric Medicine Refresher Day”

Over 600 guests attended this year's **31st Annual Geriatric Refresher Day** held at the London Convention Centre on May 3rd. This event featured exceptional workshop presenters on issues pertinent to a wide range of health care providers, all of whom share a common goal in improving the quality of care for older adults. The plenary session encouraged general interdisciplinary discussion while concurrent sessions provided medical updates and reviews on best practices in more specific areas of geriatric care.



“Identifying and Supporting Family Caregivers”

Left to right Presenters:

Paul Cavanagh

Editor, CaregiverExchange.ca,

Lori Hale

Executive Lead, The Change Foundation

Sheila Schuehle

Family Caregiver

& Consultant for Elder Abuse Ontario



Lori Hale

Session speaker



Ian Gillespie

Columnist with the London Free Press

introducing panel members

Jennie Wells

MD, St. Joseph's Health Care London

David F. Tang-Wai

MDCM, University of Toronto

“Discovery Days in Health Sciences”

On May 12, 2017 the **Gait and Brain Lab** hosted Discovery Days in Health Sciences. Navena Lingum, (*fifth from the left*) Masters Student in Kinesiology in the Gait and Brain Lab, conducted a workshop entitled:

**“Walking the walk:
What does your brain have to do with it?”**



GRANTS & RESEARCH FUNDING...

Principal Investigator: Burns A

Co-Investigators: Delparte J, Flett H, Scovil C, Wolfe D

Study Title: Validation of the SCI Pressure Sore Onset Risk Screening (SCI-PreSORS) Instrument

Agency: Craig H. Neilsen Foundation

Year: 2017-2019

Amount: \$300,000

Principal Investigator: Diedrichson J

Co-Investigators: Teasell R, Duggal N

Study Title: State of the Art Clinical Assessment of Hand Function in Stroke and Cervical Spondylotic Myelopathy

Agency: BrainsCAN Accelerator Grant

Year: 2017-2018

Principal Investigator(s): Dowlatshahi D, Corbett D

Co-Investigators: Ramsay T, Dukelow S, Teasell R, Eng J, Rochon E, Mallet K, Hatcher S, Catanese...

Study Title: RecoverNow: Bringing rehabilitation to the acute care setting using mobile platform technology

Agency: CASTOR grant

Year: 2017-2018

Principal Investigators: Gilvesy J, Wolfe D

Study Title: Parkwood Planning & Pacing App for Persons with Concussion

Agency: Stratford Perth Community Foundation

Year: 2017

Amount: \$7,500

Co-Principal Investigator(s): Miller T, Doherty T, Teasell R, Viana R, Macaluso S, Sequeira K.

Study Title: Long-Term Stroke Rehabilitation Project.

Agency: Allergan

Year: 2017-2018

Amount: \$50,000.00

Principal Investigator: Montero-Odasso M

Co-Investigators: Bartha R, Borrie M, Camicioli R, Muir-Hunter S, Lizotte D, McKay S.....,

Study Title: Gait as a clinical marker to predict progression to dementia syndromes in MCI

Agency: Canadian Institutes of Health Research (CIHR)

Year: 2017-2022

Amount: \$967,725

Principal Investigator: Montero-Odasso M

Study Title: Emerging researchers: fighting the clock on age-related disabilities

Agency: Lawson Foundation Grant

Year: 2017-2020

Amount: \$195,325

Principal Investigator: Strong M

Co-Investigators: Montero-Odasso M

Study Title: The ON Neurodegenerative Disease Research Initiative (ONDRI) - Gait platform

Agency: ON Brain Institute (OBI)

Year: 2017-2018

Amount: \$125,160

Principal Investigator: Teasell R.
Study Title: Evidence-Based Review of Stroke Rehabilitation (EBRSR)
Agency: Canadian Partnership for Stroke Recovery
Year: 2017-2018
Amount: \$75,000.00

Principal Investigator: Vasudev A
Co-Investigators: Burhan A, Brymer C
Study Title: Aripiprazole augmentation for Treatment Resistant Late life depression in Parkinson 's disease: a Phase II pilot feasibility study
Agency: Department of Psychiatry Seed Fund Competitio
Year: 2017- 2019
Amount: \$7,500 CAD

Principal Investigator: Vasudev A
Co-Investigators: Gangadhar B
Study Title: Yoga and Consciousness in Current Times: Trumping spirituality over materialism across India and Canada
Agency: Western International New Network Award
Year: 2017- 2018
Amount: \$5,000 CAD

Principal Investigator: Wolfe D
Co-Investigators: Bailey C, Duggal N, Urquhart J, Potter P, Sequeira K
Study Title: Rick Hansen Spinal Cord Injury Registry (RHSCIR) - London
Agency: Rick Hansen Institute
Year: 2016-2017
Amount: \$60,000

PRESENTATIONS & INVITED LECTURES. . .

MARCH

Anderson R, Cotoi A, Benton B, Iruthayarajah J, Teasell R.
The effect of electromyography (EMG) biofeedback on upper extremity motor function following a stroke: A systematic review
 London Health Research Day. London, ON
 PIR Spring Update, Research Half-Day. London, ON

Benton B, Cotoi A, Iruthayarajah J, Anderson R, Teasell R.
Using contralesional repetitive transcranial magnetic stimulation (rTMS) to improve visuospatial neglect following a stroke: A systematic review and meta-analysis
 London Health Research Day. London ON

Borrie M
Healthy aging
 Cornerstone Conversations, Best Western Lamplighter Inn. London, ON

Burhan A
From neurodevelopment to neurodegeneration: behavioral issues
 15th Annual Developmental Disabilities Spring CPD. London, ON

Burhan A
Efficacy of bilateral theta-burst stimulation for medication refractory depression: Evaluation of data from the Parkwood TMS Program
 PIR Spring Update, Research Half-Day. London, ON

Burhan A
Psychiatry and Parkinson
Trinity Lutheran Church. London, ON

Burhan A
Motor & cognitive decline in aging & disease
Department of Psychiatry, Schulich School of Medicine & Dentistry CPD Rounds. London ON

Chauhan A, Newman R, Burhan A, Wetmore S, Vasudev A.
Sahaj samadhi meditation improves melancholia in late life depression
London Health Research Day 2017. London, ON
PIR Spring Update, Research Half-Day. London, ON

Cotoi A, Mehta S, Janzen S, Sequeira N, Teasell R
Pharmacological management of anxiety following stroke: A systematic review
London Research Day. London, ON

Faria F, Montero-Odasso M
Cognitive predictors of gait performance during obstacle negotiation in older adults: Results from the Gait & Brain study
London Health Research Day. London, ON
Department of Medicine Research Day 2017, London, ON

Faria F, Muir-Hunter S, Montero-Odasso M
Thinking, feeling and moving in aging. The role of cognition and depression in balance and falls,
London Health Research Day 2017. London, ON

Fielding M, Askes H, Cornell S, Hsieh J, Marrocco S, Wolfe D
Feasibility of a locomotor training protocol in an inpatient acquired brain injury program
The 12th World Congress on Brain Injury. New Orleans, LA

Ionson E, Newman R, Burhan A, Wetmore S, Vasudev A.
Sahaj samadhi meditation improves symptoms of late-life depression
London Health Research Day 2017
PIR Spring Update" Research Half-Day. London, ON

Iruthayarajah J, Mehta S, Alibrahim F, Janzen S, McIntyre A, Teasell R
Cognitive Behavioural Therapy (CBT) for anger and aggression among individuals with moderate to severe acquired brain injury: A systematic review and meta-analysis
London Research Day. London, ON
PIR Spring Update, Research Half-Day. London, ON

Janssen S, Cotoi A, Wiener J, Mehta S, Teasell R.
The effects of transcutaneous electrical nerve stimulation (TENS) on post-stroke spasticity of the upper and lower limbs: A systematic review
London Research Day. London, ON
PIR Spring Update, Research Half-Day. London, ON

Kumar S, Burhan A, Ismail Z and Rajji T
Recent Advances In Prevention, Diagnosis and Management Of Dementia And The Associated Neuropsychiatric Symptoms
American Association of Geriatric Psychiatry 2017 annual meeting. Dallas TX

Limbachia J, Ionson E, Newman I, Wetmore S, Burhan A, Vasudev A
Sahaj samadhi meditation, a type of automatic self-transcending meditation, improves autonomic dyscontrol in late-life depression
 National Integrative Research Conference. Montreal, QC
 London Health Research Day 2017. London, ON
 PIR Spring Update, Research Half-Day. London, ON

Naidu A, Burhan A, Ionson E, Black A, Vasudev A, Montero-Odasso M
Thinking, feeling and moving: The effect of mood and cognition on the mobility performance of older adults
 London Health Research Day. London, ON
 PIR Spring Update, Research Half-Day. London, ON
 Department of Medicine Research Day. London, ON

Potes A, Torres-Platas G, Thomas Z, Therriault J, Fox R, Morin L, Drapeau J, Segal M, Looper KJ, Nair NVV, Vasudev A, Lavretsky H, Rej S
Tai Chi Interventions in mental illness: results from a pilot study in adults and a systematic review in older adults
 American Academy of Geriatric Psychiatry. Dallas, TX

Teasell R
Stroke rehabilitation: What is the evidence?
 Samsung Medical Center. Seoul, KR

Teasell R
Stroke rehabilitation at a crossroads
 10th Annual Conference of the Korean Society of Neurorehabilitation, Catholic Hospital. Seoul, KR

Thompson S, Hunter S, Speechley M, Teasell R
Assessing the impact of caregiver outcomes on functional gains and reintegration of patients with stroke participating in a community stroke rehabilitation program
 London Research Day. London, ON
 The 10th Annual HRS Graduate Research Conference. London, ON
 PIR Spring Update, Research Half-Day. London, ON.

Vasudev A, Lavretsky H, Rej S, Torres-Plates G
Mind-body interventions for late-life mental health and cognition,
 American Academy of Geriatric Psychiatry. Dallas, TX

Wiener J, Mehta S, Iruthayarajah J, Janssen S, Teasell R
The effectiveness of cognitive behavioural therapy for the management of post-stroke depressive symptoms: A systematic review
 London Health Research Day. London, ON
 PIR Spring Update, Research Half-Day. London, ON

APRIL

Basu M, Borrie M, Morais J, Hogan D, Molnar F, Fruetel K
Canadian Geriatrician and Care of the Elderly Physician Human Resource Update: 2016-17
 The 37th Canadian Geriatric Society Annual Meeting. Toronto, ON

Borrie M
Mild Cognitive Impairment, Alzheimer Disease, Diagnosis, Treatment and Research, McCormick Home.
 London, ON

Borrie M

Gordie Howe C.A.R.E.S, The Spectrum of Cognitive Decline: What can we do about it?
Dementia Symposium. Calgary, AB

Guilbault L, Cornell S, Gagliardi J, Genereaux M, Kras-Dupuis A, Marrocco S, McRae S, Malott L, Miles S, Paiva M, Sleeth L, Walters S, Wolfe D

Implementing and evaluating novel self-management processes in spinal cord injury outpatient practice: Enhancing community integration

American Spinal Injury Association (ASIA) Annual Scientific Meeting. Albuquerque, NM

Harerimana B , Forchuk C, Booth R, Burhan A, Vasudev A, Isaranuwachai W , Seth P, Ramsey D, Rudnick A, Heisel M, Reiss J

TELEPROM-G: A study evaluating access and care delivery of telehealth services among community-based seniors

CFN Annual National Conference. Toronto, ON.

Mehta S, Janzen S, Iruthayarajah J, Loh E, Teasell R

Does the presence of comorbid pain and depression symptoms effect the rehabilitation of individuals with spinal cord injury

PIR Spring Update, Research Half-Day. London, ON

Miles S, Logie K, Marrocco S, Paiva M, Wolfe D

Enhancing upper extremity function using FES-assisted cycle ergometry: A case series evaluation.

American Spinal Injury Association (ASIA) Annual Scientific Meeting. Albuquerque, NM

Sleeth L, Kras-Dupuis A, Marrocco S, McRae S, Wolfe D

Evaluation of an online, theory-based bladder self-management program for persons with spinal cord injury: A pilot trial

American Spinal Injury Association (ASIA) Annual Scientific Meeting. Albuquerque, NM

Vasudev A, Forchuk C, Burhan A, Booth R, Hoch J, Isaranuwachai W, Rudnick A, Seth P, Flint A, Rej S, Reiss J

TELEPROM-G: A pilot study utilizing an innovative rechnological solution to enhancing the care of community-based seniors experiencing depressive symptoms

Canadian Geriatric Society. Toronto, ON.

Wolfe D

Research to practice innovations in locomotor training for persons with acquired brain or spinal cord injuries

PIR Spring Update, Research Half-Day. London, ON

MAY

Guy S, Jeji T, Joshi P, Noonan V, Hayes K, Loh E

Recommendations from the Canadian Spinal Cord Injury Neuropathic Pain Summit

Combined Spinal Cord Injury & ON Spinal Cord Injury Research Network Meeting. Toronto, ON.

Iruthayarajah J, Alibrahim F, Mehta S, Janzen S, McIntyre A, Teasell R

Cognitive Behavioural Therapy (CBT) for anger and aggression among individuals with moderate to severe acquired brain injury: A systematic review and meta-analysis

Annual Meeting of the Canadian Association of Physical Medicine and Rehabilitation, Niagara Falls ON

Loh E, Guy S, Jeji T, Joshi P, Noonan V, Hayes K
Advancing research and clinical care in neuropathic pain after spinal cord injury: Recommendations from a Canadian summit
The Canadian Pain Society 38th Annual Scientific Meeting. Halifax, NS

Loh E, Guy S, Mehta S and CanPainSCI Expert Group
The CanPainSCI clinical practice guidelines for neuropathic pain management after spinal cord injury
Canadian Association of Physical Medicine & Rehabilitation 65th Annual Scientific Meeting. Niagara Falls, ON

Song H, Montero-Odasso M, Barnes B
Does polypharmacy affect latency to first fall as medicated by gait impairments?
Department of Medicine Research Day. London, ON

Teasell R
Community stroke rehabilitation team program data overview
Community Stroke Rehabilitation Teams Annual Meeting. Stratford, ON

Viana R, Janzen S, Serrato J, Sequeira K, Payne M, McIntyre A, Teasell R, Miller T
The treatment of spasticity with botulinum toxin: A qualitative study of the patient's perspective
Annual Meeting of the Canadian Association of Physical Medicine and Rehabilitation. Niagara Falls, ON

Wiener J, Hsieh J, McIntyre A, Mehta S, Janzen S, Teasell R
4-aminopyridine for the management of spasticity in individuals with spinal cord injury: A systematic review
Combined Canadian Spinal Cord & Ontario Spinal Cord Injury Research Network Meeting. Toronto, ON

Wells J
Diet and exercise prescriptions for seniors
City Wide Department of Family Medicine, 2017 Annual Clinical Day in Family Medicine. London, ON,

Wells J
Patients with dementia in rehabilitation: A focus on pain management
31st Annual Refresher Day in Geriatric Medicine. London, ON

Wells J
Before pills...or why leisure is important!
Therapeutic Recreation ON Conference, Four Points by Sheraton Hotel. London ON

Wells J
Before pills part 2
Kiwanis Senior's Centre. London, ON

Wolfe D, Walia S
The transformative nature of the spinal cord injury knowledge mobilization network: Sustainable implementation across pan-Canadian community of practice
Canadian Spinal Cord Injury and ON Spinal Cord Injury Research Network Meeting. Toronto, ON

Wolfe D
Development and implementation of a clinical decision support system to improve outcomes associated with activity-based therapies
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PUBLICATIONS...

Peer-Reviewed Articles:

Burhan A

Role of Brain Imaging in the Diagnosis and Therapeutics of Neurocognitive Disorders. *Biological Psychiatry Volume 81, Issue 10, Supplement*

Cerasuolo JO, Montero-Odasso M, Ibanez A, Doocy S, Lip GYH, Sposato LA (2017).

Decision-making interventions to stop the global atrial fibrillation-related stroke tsunami. *Int J Stroke*.

Chan C, Miller W, Querée M, Noonan V, Wolfe D, SCIRE Research Team

The development of an outcome measures toolkit for spinal cord injury rehabilitation. *Can J Occup Ther*. 2017 84(2):119-129.

Hall P, Psych C, Vincent C, Burhan A.

Non-invasive brain stimulation for food cravings, consumption, and disorders of eating: A review of methods, findings and controversies. *Appetite*. 2017;30:1e11.

Kueper J, Montero-Odasso M, Speechley M

One Measure Does Not Fit All. Is the ADAS-Cog responsive to important changes in pre-dementia studies? *Canadian Geriatrics Journal*. April 2017.

Kueper J, Speechley M, Lingum NR, Montero-Odasso M

Motor function and incident dementia: A systematic review and meta-analysis. *Age and Ageing* 2017. May 25 doi.org/10.1093/ageing/afx084

McIntyre A, Mirkowski M, Thompson S, Burhan A, Miller T, Teasell R

Systematic review of rTMS for post-stroke spasticity. *PM&R*

Mehta S, Janzen S, McIntyre A, Iruthayarajah J, Loh E, Teasell R

Does the presence of comorbid pain and depression symptoms effect the rehabilitation of individuals in spinal cord injury inpatient unit. *Spinal Cord*

Montero-Odasso M, Sarquis-Adamson Y, Speechley M, Borrie M, Hachinski V, Wells J, Riccio P, Schapira M, Sejdic E, Camicioli R, Bartha R, McIlroy W, Muir-Hunter S

Association of dual-task gait with incident dementia in Mild Cognitive Impairment: Results from the Gait and Brain Study. *JAMA Neurol*. Published online May 15, 2017. oi: 10.1001/jamaneurol.2017.0643

Montero-Odasso M, Sarquis-Adamson Y, Speechley M, Sposato LA, Schapira M, Borrie M, Sejdic E, Camicioli R, Wells J, Muir Hunter S

Dual-task gait predicts incident dementia in mild cognitive impairment: Results from the Gait & Brain Study. *Journal of the American Geriatrics Society*. May 2017

Montero-Odasso M, Muir-Hunter S, Duque G, Speechley M, Doherty T

The effect of high doses of vitamin D on muscle strength, gait, and physical performance in frail older adults. At Phase 2 Feasibility, open-label study. *Journal of Frailty and Aging*. April 2017, 6, S1: 158-159.

Montero-Odasso M, Hogan D, Stiell I, Frank C

Debate: When do we need neuroimaging after a fall with minor head injury in long-term care? *Canadian Geriatrics Journal*. April 2017.

Muir-Hunter S, Montero-Odasso M

Ambulation with a walker during complex-path configurations induces a higher attentional cost for persons with Alzheimer's disease. *Gait & Posture*. 2017 Mar 10; 54:202-208. doi: 10.1016/j.gaitpost.

Munce SE, Graham I, Jaglal S, Richards C, Eng J, Desrosiers J, MacKay-Lyons M, Wood-Dauphinee S, Korner-Bitensky N, Mayo N, Teasell R, Zwarenstein M, Mokry J, Black S, Bayley M

Perspectives of health care professionals on the facilitators and barriers to the implementation of a stroke rehabilitation guidelines cluster randomized controlled trial, *BMC Health Services Research*

Nelson M, McKellar K, Yi J, Kelloway L, Munce S, Cott C, Fortin M, Hall R, Teasell R, Lyons L

Stroke rehabilitation evidence and comorbidity: A systematic scoping review of randomized controlled trials. *Topics in Stroke Rehabilitation* 2017; 24(5):374-380.

Sakurai R, Montero-Odasso M

Apolipoprotein E4 allele and gait performance in mild cognitive impairment: Results from the Gait and Brain Study. *Journal of Gerontology: Medical Sciences*. 2017 May 6. doi: 10.1093/gerona/glx075

Soros P, Teasell R, Hanley D, Spence J

Widespread bilateral cerebral distribution of motor recovery beginning 23 years after ischemic stroke. *Journal of Neurophysiology* 2017; (epub May 17).

Vasudev A, Fairbank, M, Gati, J, Ionson E, Thomas A

BOLD activation of the ventromedial prefrontal cortex in patients with late life depression and comparison participants. *International Psychogeriatrics*, 2017; May 18: 1-6.

MEDIA RELATIONS...

- News/Talk 1290 CJBK London - March 21, 2017 **Michael Borrie** speaks to Lisa Brandt, the co-host for the "All New Morning Show" regarding the **National A-4 Study**.
- CTV News, London – April 4, 2017 **Michael Borrie** speaks to CTV in a television segment titled "**Defeating Dementia**" regarding the **National A-4 Study**.
This segment may be viewed via the following link:
<http://london.ctvnews.ca/video?clipId=1096262&binId=1.1137796&playlistPageNum=1>

CALENDAR OF EVENTS. . .

PIR Mental Health Annual Research Half Day

September 21, 2017

❖ PI Mental Health Auditorium. London, ON
Details to follow



**Together, as grateful Canadians honoring Canada's 150th
Have a fabulous Summer!**