

## PIR Newsletter



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### Greetings from the PIR Ivey Research Chair...

I hope you all had a great summer and were able to take some time to relax and refuel! The PIR Administration team has been busy in planning mode. We are still working with our Advisory Committee to complete the PIR Strategic Plan. As you know, we want to ensure that this plan fully and accurately encompasses the needs and direction of PIR. I'd like to thank the Advisory Committee for working closely with us to make sure this is the case. We're hoping to have the plan finalized in the fall.

Since last year's PIR Open House was such an overwhelming success, we've decided to host another one. On November 30<sup>th</sup>, 2018 we will welcome researchers, staff, clinicians, patients and family, and members of the public to join us and learn a little more about the incredible research being conducted at Parkwood Institute. The planning committee for this event will begin meeting at the end of this month.

Given the generous feedback provided to us after our PIR Research Half Day in April, we'll be increasing the event to a full day in April 2019. Planning for this event has already begun and we're very excited to announce the theme of next year's Research Day will be Mind, Body, Spirit.

Lastly, we're in the early stages of planning a series of public events to increase the profile of our institute among the patients and family members we serve. These events will be conversational and interactive. We greatly appreciate the topic ideas many of you have already provided. Keep your eyes and ears open for an announcement regarding when these events will begin. If you're interested in joining any of the planning committees for these events please let Julie Walsh, PIR Research Facilitator, [Julie.walsh@lawsonresearch.com](mailto:Julie.walsh@lawsonresearch.com) know as soon as possible.

All the best,  
Cheryl

## Welcome to all New Research Personnel!



**Kevin Ojha** will be joining Dr. Akshya Vasudev's research team this September. Kevin will be completing a Master's program in Neuroscience at Western University under the supervision of Dr. Akshya Vasudev and Dr. Lena Palaniyappan.

**Riddhi Lakhani** graduated from Western University with a Bachelor of Medical Sciences, Honors Specialization in Interdisciplinary Medical Sciences and a minor in Psychology. Over the next year Riddhi completed course work for a Clinical Trials Management diploma program offered by Western. As part of this program she joined Dr. Kamini Vasudev's research team in June of this year to complete a practicum position. At Parkwood Mental Health Riddhi had an opportunity to work on several research projects lead by Dr. Kamini Vasudev or Dr. Akshya Vasudev. She will be completing her practicum at the end of September but hopes to return as a volunteer to continue learning about the field of clinical trials under the supervision of Dr. Vasudev.



**Siddhi Lakhani** will soon complete her practicum position with Dr. Akshya Vasudev and his research team as part of her diploma program in clinical trials management. She graduated with an Honours Bachelor of Medical Sciences degree from Western University in June 2017. As part of Dr. Vasudev's team Siddhi has assisted with the study *Alternative Treatments to Help Late-Life Depression*. Through this practicum placement, Siddhi has been able to get a better understanding of the clinical trials process and wishes to further explore this field in the future.

**Joel Mahon** has recently completed an Honours Bachelor of Health Sciences degree with specialization in Biology from Western University. He was also the successful recipient of a Canada Summer Jobs Program grant for summer 2018, where he contributed to the lab and gained experience as a Research Assistant. Joel's duties included supervising the SYNERGIC Trial's weekly exercise intervention sessions at Western campus, as well as project support at Parkwood Institute for various ongoing research projects. In September, he will begin his MSc. candidacy in the Department of Kinesiology at Western, under the supervision of Dr. Montero-Odasso. Throughout Joel's studies and his volunteer work with the SYNERGIC Trial, he has become interested in the relationship between physical and cognitive impairments in older adults, as well as how exercise affects this relationship. Over the course of his MSc. studies, he hopes to explore how mood and anxiety symptoms are affected by exercise interventions in older adults.



**Erica Figgins** will begin her MSc. candidacy in the Department of Epidemiology and Biostatistics at Western University, co-supervised by Dr. Montero-Odasso and Dr. Mark Speechley. She recently completed her Honours Bachelor of Science degree in Behaviour Cognition and Neuroscience at the University of Windsor (2018). Through her participation in undergraduate research investigating treatments for Parkinson's disease and her volunteer work with the Windsor-Essex Community Health Center's Chronic Disease Management program, she became interested in how individuals are impacted by chronic diseases both physically and mentally. While her Master's project has not yet been decided, Erica hopes to explore the epidemiological methods applied to explore the relationship between motor control and cognitive functioning in adult populations. Additionally, Erica is a successful applicant of the Ontario Graduate Scholarship for fall 2018.



**Victoria Garay Airaghi**

Victoria is a medical resident visiting the Gait and Brain Lab from Madrid, Spain as a medical observer, particularly, to improve her skills in medical research. Victoria's rotation at the lab is for the month of August 2018, where she will be accompanying Dr. Montero-Odasso to observe patient management in the Canadian healthcare system and the links to current geriatric research. With this, Victoria will be investigating the associations between the ApoE4 genotype and falls in older adults with mild cognitive impairment.

**Timothy Wong, MD** is a Geriatric Research Assistant who is part of an on-going study on the Acute Care of the Elderly unit at Victoria Hospital. The research team under Dr. Niamh O'Regan is investigating a screening tool for the detection of delirium in older medical inpatients. He previously received his bachelor's degree from Cornell University and his medical degree from Ross University. He hopes to obtain residency training and practice clinical medicine in the near future.



**WELCOME ALSO TO:**

**Andrea Lee**, is a student at Western Health Sciences and worked as a summer research student; this is her third summer with us.

**Danielle Vanderlaan**, graduated from Western Health Sciences and is entering her second year of Respiratory Technology at Conestoga College in Kitchener. She worked as a summer research student; this is her second summer with us.

**Nicholas Vanin** is a medical student who worked with us as a summer research student. Nik was a key member of the Vanier Cup winning Western football student.

**Mitchell Longval** is a graduate student completing his Masters in Health and Rehabilitation Sciences. Having previously volunteered at Parkwood for 3 years, he is now working as a Research Assistant helping with clinical trials and the stroke evidence-based review.

**Dr. Sarah Caughlin** completed her PhD in Neurobiology from the Department of Anatomy and Cell Biology at Western in 2018. She started working as a summer research student in June and has since become a Research Associate coordinating clinical trials and studies.

*Congratulations on these Notable Accomplishments...*

**Dr. Arlene MacDougall** was selected to participate in the 2018 InterAcademy Partnership for Health Young Physician Leaders (YPL) Programme taking place in Berlin, Germany this October (11-16th). The YPL Programme occurs in partnership with the World Health Summit.

**Dr. Robert Teasell** has surpassed 10,000 citations on SCOPUS.

**Deena Lala** successfully defended her PhD 'Defense from Evidence to Practice: A Systematic Approach to Implementing Electrical Stimulation Therapy for Treating Pressure Injuries in Community Dwelling Individuals with Spinal Cord Injury'. She is also the successful candidate to be granted the Parkwood Institute Research Award: Mary Elizabeth Horney Fellowship in Rehabilitation Research for 2018.

**Stephanie Marrocco** is the successful candidate to be granted the Parkwood Institute Research Award: Siskinds Studentship in Spinal Cord Injury for 2018.

**Marilyn Ott**, Casual Officer in charge at the Southwest Center for Forensic Mental Health, received her Doctor of Education (Leadership) from Western University in June 2018.

**Laura Diachun** received the 2018 Canadian Geriatrics Society (CGS) 2018 Peter McCracken Physician Innovator in Education Award. The award recognizes the accomplishment of a physician in geriatric medicine or care of the elderly and was presented to Dr. Laura Diachun at the 2018 Canadian Geriatrics Society Annual Scientific Meeting.

**Shay Nejim**, Research Coordinator at the Gait and Brain Lab, successfully passed her SOCRA examination and earned her CCRP designation.

**Stephanie Cullen**, first year MSc. candidate under Dr. Montero-Odasso's supervision, who has been an undergraduate volunteer at the Gait and Brain Lab since 2016, was awarded the 2018-2019 Alzheimer Society London and Middlesex Master's Scholarship. The project submitted is in collaboration with Dr. Michael Borrie, using gait and cognitive assessments in the memory clinic. The applications were reviewed and the candidates were ranked based on relevance of their research to Alzheimer's disease and other dementias, academic achievement, and the written recommendations of referees.

**Anish Naidu** (Meds Class of 2019, Schulich School of Medicine & Dentistry) and SRTP awardee at the Gait and Brain Lab, was successful in the Annual Dr. Greta T. Swart Essay Competition, which is available to both undergraduate medical students and postgraduate medical residents at Western University. In his essay, titled, "I guess there is light at the end of the tunnel...", he described an experience of his managing a patient with a developmental disability in the hospital system.

**Nick Bray** Gait and Brain PhD student, was awarded Ontario Graduate Scholarship (OGS) for his doctoral thesis project. This project analyzes resting state brain MRI in participants who are enrolled in the interventional CCNA SYNERGIC Trial and is titled, "Can a multimodal intervention improve brain functional connectivity in older adults with mild cognitive impairment (MCI)? Results from the SYNERGIC Trial."

### Josh Titus

Second year MSc. candidate under Dr. Montero-Odasso's supervision, was the successful awardee of The Joseph A. Scott Studentship in Mobility and Aging from the Parkwood Institute Research Student Endowments (PIRSE). Josh submitted his project, which examines blood biomarker in the CCNA SYNERGIC Trial participants, both pre- and post- five months of cognitive training and progressive resistance training combined with Vitamin D.

**Dr. Hassan Haddad**, one of our post-doctoral fellows at the Gait and Brain Lab, who is co-supervised by Dr. Rob Bartha, received the PIR-SE Research Fellowship in Care of Older Adults. The successful application was awarded for his project entitled, "Predicting Increased Fall Risk in Older Adults Combining Gait Performance and Structural Magnetic Resonance Neuroimaging", which analyzes brain imaging in the Gait and Brain Study in older adult with MCI.

**Joshua Wiener**, who is a research assistant with the CORRE research group was accepted into graduate school for a Master of Science in epidemiology at Western University.



**Dr. Dalton Wolfe**, at the June 6<sup>th</sup> Faculty of Health Science Awards, Dr. Wolfe was recognized for his Excellence in Teaching. Over the last 7 years, Dr. Wolfe along with many clinicians (Dr. Laura Graham, also shown here, has been instrumental in this work) and patients have developed unique, applied learning experiences for students across the Western Schools of Health Studies and Kinesiology as well as students within the Physical and Occupational Therapy programs. A key method has been the explicit integration of teaching with clinical and research activities within Parkwood Institute where practice-based research and implementation science are in use. Students are exposed to research to practice (R2P) methodologies in which participatory, inclusive approaches are employed as a means to promote rehabilitation innovations that improve patient outcomes while enhancing clinical practice.

## Also in the news:

### VOLUNTEER OPPORTUNITY

As many of you know, it can be challenging to receive approval from Western's Research Ethics Board in a timely manner. In an attempt to remedy this issue, the PIR Advisory Committee has suggested that it may be helpful to have members of our institute serve on the board, ensuring the expertise necessary to review the type of research conducted at PIR is available. Please let Julie Walsh, PIR Research Facilitator ([Julie.walsh@lawsonresearch.com](mailto:Julie.walsh@lawsonresearch.com)) know if you are interested in serving on the board, as she will be forwarding a list of potential volunteers on to Research Western.

## Gait and Brain Seminar: Special Topic Presentation with Dr. Michele Callisaya

The Gait and Brain Lab welcomed Dr. Michelle Callisaya from the University of Tasmania (Australia) for a special topic presentation on Monday July 16, 2018. She presented her talk “Falls in older people – don’t let the brain trip you up” in a full auditorium, which was followed by a lively discussion.



Left to Right: Alanna Black, Shay Nejim, Dr. Yanina Sarquis-Adamson, Stephanie Cullen, Josh Titus, Dr. Manuel Montero-Odasso, Dr. Michele Callisaya (guest speaker), Dr. Susan Muir-Hunter, Nick Bray, Korbin Blue, Dr. Frederico Faria.

### **“BIIGAJIISKAAN : INDIGENOUS PATHWAY TO MENTAL WELLNESS”**

Promoting intergenerational healing for Indigenous peoples and their families

Indigenous peoples in Canada have experienced a long history of institutional harms, initiated through the residential school systems, and later with Indian hospitals and Inuit Sanatoria serve as important examples. To redress these institutional harms, the Truth and Reconciliation Commission (TRC) of Canada has called on healthcare institutions specifically to build culturally safe care, and offer traditional healing services for Indigenous patients as an ‘act of reconciliation,’ wherein “collective efforts from all peoples are necessary to revitalize the relationship between Aboriginal peoples and Canadian society” (TRC Report, 2015, p.1). Through [The Journey Together](#), Ontario has partnered with Indigenous communities to address the legacy of residential schools, close gaps and remove barriers, support Indigenous culture, and reconcile relationships with Indigenous peoples. Through this partnership, a new initiative has evolved between St. Joseph Healthcare London’s Parkwood Institute Mental Health site and the [Wulaawsuiikaan Healing Lodge](#) to provide Indigenous communities with mental health and wellness care using a broad range of treatment models, including mobile and community-based to support treatment for mental health and/or addictions issues, using a combination of Traditional Healing and clinical care. This program will be developed with leadership from the Indigenous communities in London and surrounding area over the next year, and has been identified as the Biigajiiskaan (pronounced bee-jah-geese-kaan) Indigenous Pathway to Mental Wellness. Over the next three years, it is anticipated that this program will expand the hospitals mental health model of care through enhanced access to culturally safe care spaces within and outside of Parkwood Institute Mental Health and through the addition of traditional healing options for Indigenous peoples and their families throughout their journey towards mental wellness.

While the Biigajiisakaan Program is under development, a traditional healing space is being created on F2 of the Parkwood Institute Mental Health building, and can be viewed by contacting the Program Lead Bill Hill at (519) 455-5110 Ext 47554, or by email at [bill.hill@sjhc.london.on.ca](mailto:bill.hill@sjhc.london.on.ca). It is anticipated that there will be a soft launch of this program in the late fall 2018.

This is the structure used for a Sweatlodge ceremony – one of the most important ceremonies used by many Indigenous peoples as part of Traditional Healing



**WELCOME TO THE NEWEST MEMBER OF THE RESEARCH TEAM...**

Amanda McIntyre, Senior Research Associate on CORRE gave birth to a son. Baby - Robert Benjamin Houston (will go by Benjamin) - Born at 9:30am on Monday August 27th. Weighing in at 7 lb 15 oz, 20".

**OPERATIONAL STRESS INJURY RESEARCH AND INNOVATION CENTRE**

We are celebrating this new opening! Congratulations and welcome to following people will be working in this new Innovative Centre!

**Scientific Director:** J Don Richardson, MD, FRCPC  
**Research Associate:** Callista Forchuk, Msc  
**Advance Research Associate:** Kate St. Cyr, Msc  
**Research Associate:** Renee Hunt  
**Administrative Assistant:** Nicole Snake

## Grants & Research Funding

**Principal Investigator:** Teasell R.

**Study Title:** Stroke Rehabilitation Evidence-Based Review. Canadian Partnership for Stroke Recovery

**Year:** 2018 - 2019

**Amount:** \$75,000

**Principal Investigator:** Teasell R.

**Study Title:** The Rehabilitation Evidence to Knowledge Project III (REKAP 3). Lawson Internal Research Fund Pilot Study

**Year:** 2018 - 2019

**Amount:** \$15,000

**Principal Investigator:** Dr. Cheryl Forchuk

**Study Title:** No Fixed Address Version 2 Expansion (NFA v.2x)

**Year:** 2018-2019

**Amount:** \$223,572

**Co-Investigator:** Dr. Montero-Odasso

**Study Title:** Effect of medication, dual-tasking and asymmetry on the cortical brain activity during gait in older people with Parkinson's disease.

**Year:** 2018-2020

**Amount:** The São Paulo Research Foundation – FAPESP. Funded for \$12,500 USD

**Principal Investigator:** Dr. Laura Diachun

**Study Title:** How Residents Perceive and Enact Goals of Caring and Curing in Older Medical Patients.

**Year:** 2017 - 2018

**Amount:** Margaret Banks Grant - Schulich School of Medicine & Dentistry Total: 5,000

**Principal Investigator:** Dr. Laura Diachun

**Study Title:** "Curing Vs. Caring: How do residents manage expectations of caring and curing when looking after older adults"

**Year:** 2017 - 2018

**Amount:** 9,000

**Principal Investigator:** M. Borrie

**Study Title:** Alzheimer's Disease Neuroimaging Initiative-3 (ADNI-3)

**Year:** 2018 – 2021

**Amount:** 300,000





## Need seed funding for your project?

Applications are now being accepted for Lawson's Fall 2018 Internal Research Fund Competition.

**The IRF Pilot Study Competition** supports new and experienced scientists with:

1. Startup operating funds to obtain preliminary data.
2. Bridge funding or as a means to get your research back on track.
3. Pursuing a novel research direction, leading to an application to an external funding agency.
3. Salary support for a Post-Doctoral Trainee.

Guidelines and application forms are available on Lawson's intranet website.

Deadline is October 15, 2018

For more information or if you have questions, email [internalresearchfund@lawsonresearch.com](mailto:internalresearchfund@lawsonresearch.com).

## Presentations/Invited Lectures

### LAST QUARTER

Chow J, McIntyre A, Iruthayarajah J, Janzen S, Wiener J, **Teasell R**. Reliability analysis of the Functional Independence Measure: How do individual items contribute to stroke patients' overall functional gain? Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.

Cotoi A, Wiener J, Chow J, McIntyre A, Sequeira N, **Teasell R**. Trends in randomized controlled trials of technology-based interventions for upper limb motor recovery post stroke. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.

Cotoi A, Chow J, Wiener J, Iliescu A, **Teasell R**. Randomized controlled trial registration in motor-based stroke rehabilitation. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.

Cotoi A, Wiener J, Chow J, Iliescu A, **Teasell R**. Lack of sample size calculations among motor-based randomized controlled trials in stroke rehabilitation. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.

Faltynek P, Janzen S, McIntyre A, Mirkowski M, **Teasell R**. Global trends in acquired brain injury randomized controlled trials. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.

- Iruthayarajah J, McIntyre A, Janzen S, **Teasell R**. Functional gain and societal reintegration after a stroke: Evidence for a home-based stroke outpatient rehabilitation program in Southwestern Ontario. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Iruthayarajah J, McIntyre A, Mirkowski M, Welch-West P, Loh E, **Teasell R** and the SCIRE Research Team. Risk factors for dysphagia after a spinal cord injury: A systematic review and meta-analysis. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Janssen S, **Viana R, Payne M, Teasell R**. Carotid laceration leading to stroke, challenges and recovery: A case study. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Janzen S, McIntyre A, Chow J, Mehta S, Rice D, **Teasell R**. A comparison of home-based and hospital-based outpatient therapy services in Ontario, Canada. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Janzen S, Mirkowski M, McIntyre A, Mehta S, Iruthayarajah J, **Teasell R**. Referral patterns of in-patient stroke rehabilitation patients to a model system in outpatient services in Ontario, Canada: A 7-year retrospective analysis. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Mirkowski M, McIntyre A, Cotoi A, Sequeira N, **Cassidy C, Teasell R**. Nonpharmacological rehabilitation interventions for motor and cognitive outcomes following paediatric stroke: A systematic review. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Wiener J, McIntyre A, Janzen S, Mirkowski M, McKenzie H, **Teasell R**. Opioids and cerebral physiology in the acute management of traumatic brain injury: A systematic review. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Wiener J, Janssen S, Chow J, Cotoi A, Batey C, **Teasell R**. The impact of High-Intensity Interval Training on motor function in stroke rehabilitation: A systematic review. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Janzen S, McIntyre A, Chow J, Mehta S, Rice D, **Teasell R**. A comparison of home-based and hospital-based outpatient therapy services in Ontario, Canada. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
- Chow J, McIntyre A, Iruthayarajah J, Janzen S, Wiener J, **Teasell R**. Reliability analysis of the Functional Independence Measure: How do individual items contribute to stroke patients' overall functional gain? Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.
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Janzen S, McIntyre A, Chow J, Mehta S, Rice D, **Teasell R**. A comparison of home-based and hospital-based outpatient therapy services in Ontario, Canada. Parkwood Institute Research Half Day, London, Ontario, April 27, 2018.

**Forchuk, C.**, Donelle L., Capretz M., Bukair F., Kok J. Iris scanning: An Alternative Way of Identification for Vulnerable Population. Parkwood Institute Research Half Day Poster Presentation, April 27, 2018

**Forchuk, C.**, Rudnick A., Corring D., Seth P., Van Bussel L., Mokhber N., Ojha S., Younger J., Sherman D., Reiss J. Smart Homes: Health Care Technology to Assist Recovery for Psychiatric Inpatients. 5<sup>th</sup> Horatio European Congress “Safe Settings” Poster Presentation, May 10 – 12, 2018. Faroe Islands.

**Forchuk, C.**, Rudnick A., Corring D., Seth P., Van Bussel L., Mokhber N., Ojha S., Younger J., Sherman D, Reiss J. Smart Homes: Health Care Technology to Assist Recovery for Psychiatric Inpatients. eHealth Canada’s National Conference and Tradeshow. Oral Presentation. May 27 – 30, 2018 Vancouver B.C.

## JUNE

**Forchuk, C.** (2018). Mental Health Group Annual Research Day. Poster Presentation. Double Tree by Hilton,. June 21, 2018 London Ont.

**Sharma, V.** Assessment and Treatment of Bipolar Disorders. London Clinical Psychology Residency Consortium, London, ON June 6, 2018

**Diachun L.**, Rigya Arya, Jenny Thain, Sayra Cristancho Laura Diachun. How residents perceive and enact goals of caring and curing. 2018 Geriatric Medicine Combined University Research Day; 2018. Poster Presentation

**Diachun L.** , Rigya Arya, Jenny Thain Sayra Cristancho Laura Diachun, How Residents Manage Expectations of Caring and Curing when Looking after Older Adults, Award for Best Oral Presentation for undergrad/medical student, June 21, 2018. Combined University Research Day 2018, Mississauga, Ontario, Canada.

**Jennie Wells J.**, Presenter, “Cognitive Clinical Research Group: When connections break down: at Lawson’s Café Scientifique, Lawson Research Institute, June 21, 2018. London, Ontario, Canada.

<https://www.youtube.com/watch?v=H-LAW64QAJc&list=PL6RT4kOfme0qvKRcPVbnlc77pLrc7mOmU>

**Dr. Michael Borrie**, Invited Lecturer, St. Joseph’s Health Care Foundation Doc Talks: A Better Brain: Maintaining Memory and Independence, St. Joseph’s Health Care Foundation, July 10, 2018. London, Ontario, Canada

<https://www.youtube.com/watch?v=FeiDqBbG17U>

Robert De Santis, James Fitzgerald, Dimitrios Adamis, DW Molloy, Suzanne Timmons, David Meagher, **Niamh O’Regan**, Outcomes of Delirium and Subsyndromal Delirium in Older Medical Inpatients, Winner of best International Poster, June 11, 2018. American Delirium Society Annual Scientific Meeting 2018.

Cotoi A, Wiener J, Chow J, McIntyre A, Sequeira N, **Teasell R.** Trends in randomized controlled trials of technology-based interventions for upper limb motor recovery post stroke. Canadian Partnership for Stroke Recovery Annual Conference, Ottawa, Ontario, June 11-12, 2018, poster 13.

Cotoi A, Chow J, Wiener J, Iliescu A, **Teasell R.** Randomized controlled trial registration in motor-based stroke rehabilitation. Canadian Partnership for Stroke Recovery Annual Conference, Ottawa, Ontario, June 11-12, 2018, poster 28.

Cotoi A, Wiener J, Chow J, Iliescu A, **Teasell R.** Lack of sample size calculations among motor-based randomized controlled trials in stroke rehabilitation. Canadian Partnership for Stroke Recovery Annual Conference, Ottawa, Ontario, June 11-12, 2018, poster 29.

Mirkowski M, McIntyre A, Cotoi A, Sequeira N, **Cassidy C, Teasell R.** Nonpharmacological rehabilitation interventions for motor and cognitive outcomes following paediatric stroke: A systematic review. Canadian Partnership for Stroke Recovery Annual Conference, Ottawa, Ontario, June 11-12, 2018, poster 14.

**Teasell R.** Update on stroke rehabilitation practices, Canadian Partnership for Stroke Recovery Annual Conference, Ottawa, Ontario, June 11, 2018.

**Teasell R.** Lessons learned from CPSR telerehabilitation projects. Canadian Partnership for Stroke Recovery Annual Conference, Ottawa, Ontario, June 12, 2018

**Teasell R.** Innovative and effective stroke rehabilitation interventions. Stroke Program in Neurorecovery (SPIN), Canadian Partnership for Stroke Recovery Annual Meeting, Ottawa, Ontario, June 13, 2018.

**Montero-Odasso M.** Falls in the elderly – Updates. *Sao Paulo University*. Sao Paulo, Brazil. June 13, 2018.

**Montero-Odasso M.** Falls in older adults with mild cognitive impairment: Implications for risk assessment and prevention. *Sao Paulo University*. Sao Paulo, Brazil. June 14, 2018.

Cullen S, Borrie M, Sarquis-Adamson Y, Carroll S, **Montero-Odasso M.** Dual-task gait assessment may predict future cognitive decline in a memory clinic setting: Preliminary results. *Combined University Research Day in Geriatric Medicine*. Mississauga, ON. June 20, 2018.

Naidu AS, Burhan AM, Sarquis-Adamson Y, Black A, **Montero-Odasso M.** Prefrontal Repetitive Transcranial Magnetic Stimulation (rTMS) for improving mobility and cognition in older adults with executive dysfunction: Methodology and preliminary results. *Combined University Research Day in Geriatric Medicine*. Mississauga, ON. June 20, 2018.

Titus J, **Montero-Odasso M.** The role of growth factors and inflammatory markers in the cognitive changes seen after 6-months of a multimodal exercise intervention on older adults with mild cognitive impairment: A work in progress. *Combined University Research Day in Geriatric Medicine*. Mississauga, ON. June 20, 2018.

Lee B, **Montero-Odasso M.** Cholinesterase inhibitors improve cognition and reduce falls in Parkinson's disease: A meta-analysis of randomized controlled trials. *Combined University Research Day in Geriatric Medicine*. Mississauga, ON. June 20, 2018.

## JULY

**Forchuk C.**, Rudnick A., Corring D., Seth, Van Bussel L., Mokhber N., Ojha S., Younger J., Sherman D., Reiss J. A Smart Homes Concept for Transitional Apartments. 29th International Nursing Research Congress Poster Presentation, July 19 - 23, 2018 Melbourne Australia.

**Forchuk C**, Donelle L., Capretz M., Bukair F., Kok J. Evaluating Iris Scanning Technology to Link Data Related to Homelessness and other Disadvantaged Populations with Mental Illness and Addiction. 16th International Conference on Smart Homes and Health Telematics Designing a Better Future: Urban Assisted Living, Poster Presentation, July 10 – 12, 2018. Singapore.

**Teasell R.** The Canadian Stroke Rehabilitation Guidelines. Annual Meeting of the international Society Physical Rehabilitation Medicine (ISPRM), Paris France, July 11, 2018.

**Akshya Vasudev** - Invited Lecturer, Role of meditative practices in well-being, Windsor Essex Economic Development Council, Presenters, July 9, 2018 Oldcastle, Ontario, Canada

**Borrie, M.**, Dickson Wong, B; Samir Atiya, ; Jennifer Fogarty, ; Manuel Montero-Odasso, Stephen H. Pasternak, Chris Brymer, Michael Borrie, Robert Bartha. Relating Hippocampal Glutamate to Structural Changes and Cognitive Performance in Alzheimer's Disease: A 7T MRI Study July 21, 2018 AAIC Alzheimer's Association International Conference, Chicago, Illinois, United States. Poster Presentation.

## AUGUST

**Forchuk C.** Smart Technologies for Mental Health Management. ICoNS of Scarf 2018, Chennai, India. August 30 – September 1, 2018

**Forchuk C.** Preventing Discharge from Hospital to Homelessness. 10<sup>th</sup> Annual ICN/APN Conference, Rotterdam 2018. Rotterdam, Netherlands. August 26 – 29, 2018.

**Teasell R.** Personality, Minor Traumatic Brain Injury and Post-Concussion Syndrome. See the Line Conference, London, Ontario, August 16, 2018.

**Montero-Odasso M.** Neurophysiology of Sarcopenia. *Argentinean Society of Gerontology and Geriatrics*. Mar del Plata, Buenos Aires, Argentina. 23 August 2018.

**Montero-Odasso M.** Falls and cognition in older adults. Evidence, assumptions and treatment options. *Argentinean Society of Gerontology and Geriatrics*. Mar del Plata, Buenos Aires, Argentina. 24 August 2018.

## PUBLICATIONS

McIntyre A, Mirkowski M, Thompson S, Burhan A, **Miller T, Teasell R.** Systematic review of rTMS for post-stroke spasticity. PM&R 2018; 10(3):293-302.

Vermeer J, McIntyre A, Janzen S, Rice D, Allen L, Ure D, **Teasell R.** Depressive symptoms in individuals post stroke in a home-based rehabilitation setting. Neurology Research International 2018; April 11, Article ID 1621830, 8 pages.

McIntyre A, Benton B, Janzen S, Iruthayarajah J, Wiener J, Eng J, **Teasell R** and the SCIRE Team. A mapping review of randomized controlled trials in the spinal cord injury research literature. Spinal Cord 2018; Jun 14 [Epub ahead of print].

Allen L, John-Baptiste A, Meyer M, Speechley M, Richardson M, Ure D, Markle-Reid M, **Teasell R.** Assessing the impact of a home-based stroke rehabilitation program: A cost-effectiveness study. Disability and Rehabilitation 2018; April 10:1-6 [Epub ahead of print].

Iruthayarajah J, McIntyre A, Mirkowski M, Loh E, **Teasell R.** Risk Factors for dysphagia after a spinal cord injury. Spinal Cord 2018 June 28 [Epub ahead of print].

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. Brain Injury 2018; July 9:1-7 [Epub ahead of print].

Bayley M, Lamotagne M, Kua A, Marshall S, Marier-Deschenes P, Allarie A, Kagan C, Truchon C, Janzen S, **Teasell R,** Swaine B. Unique features of the INESSS-ONF Rehabilitation Guidelines for Moderate to Severe Traumatic Brain Injury: Responding to users' needs. Journal of Head Trauma Rehabilitation (accepted).

Cotoi A, Janzen S, Al-Ibrahim F, McIntyre A, **Teasell R.** Global trends in published randomized controlled trials examining motor-based interventions in stroke rehabilitation. Topics in Stroke Rehab (accepted pending revisions).

Cotoi A, Mirkowski M, Iruthayarajah J, Anderson R, **Teasell R**. Theta-burst stimulation improves unilateral spatial neglect following stroke: A systematic review. *Clinical Rehabilitation* (accepted with revisions). ID CRE-2017-6845.

Wiener J, Hsieh J, McIntyre A, Mehta S, Janzen S, **Teasell R**. 4AP for spasticity post SCI. *Topics in Spinal Cord* (accepted).

Muir-Hunter S, Divine A, Frengopoulos C, **Montero-Odasso M**. A framework for secondary cognitive and motor tasks in dual-task gait testing in people with Mild Cognitive Impairment. *BMC Geriatrics*. 2018 (In press)

Pieruccini-Faria F, Sarquis-Adamson Y, **Montero-Odasso M**. Mild Cognitive Impairment Affects Obstacle Negotiation in Older Adults: Results from "Gait & Brain Study". *Journal of Gerontology*. 2018 (In press)

**Montero-Odasso M**, Almeida QJ, Bherer L, Burhan AM, Camicioli R, Doyon J, Fraser S, Muir-Hunter SW, Li K, Liu-Ambrose T, Mcllroy W, Middleton L, Morais JA, Sakurai R, Speechley M, Vasudev A, Beauchet O, Hausdorff JM, Rosano C, Studenski S, Verghese J, and the Canadian Gait and Cognition Network. Consensus on Shared Measures of Mobility and Cognition: From the Canadian Consortium on Neurodegeneration in Aging (CCNA). *Journal of Gerontology : Medical Sciences*. 2018 Jun 21. doi: 10.1093/gerona/gly148. [Epub ahead of print]

Bray NW, Doherty TJ, **Montero-Odasso M**. The effect of high dose vitamin D3 on physical performance in frail older adults. A feasibility study. *Journal of Frailty & Aging*. 2018;7(3):155-161.

Sakurai R, Bartha R, **Montero-Odasso M**. Entorhinal cortex volume is associated with dual-task gait cost among older adults with MCI: Results from the Gait and Brain Study. *Journal of Gerontology: Medical Sciences*. 2018 May 15. doi: 10.1093/gerona/gly084. [Epub ahead of print]

Cullen S\*, **Montero-Odasso M\***, Bherer L, Almeida Q, Fraser S, Muir-Hunter SW, Li K, Liu-Ambrose T, McGibbon C, Mcllroy W, Middleton L, Sarquis-Adamson Y, Morais JA, Beauchet O, McFadyen BJ, Camicioli R. The Canadian Gait and Cognition Network. Guidelines for Gait Assessments in the Canadian Consortium on Neurodegeneration in Aging (CCNA). *Canadian Geriatrics Journal*. 2018 Jun 30; 21(2): 157-165.

\*Contributed equally as first author.

Pieruccini-Faria F, Muir-Hunter SW, **Montero-Odasso M**. Do Depressive Symptoms Affect Balance in Older Adults with Mild Cognitive Impairment? Results from the "Gait and Brain Study". *Journal of Experimental Gerontology* 2018 Jul 15;108: 106-111.

Pope, C.J., **Sharma, V.**, Sommerdyk, C., Mazmanian, D. Antidepressants and recurrence of depression in the postpartum period. *Arch Womens Ment Health* 2018 June 26 (Epub ahead of print).

**Sharma, V.** Weaning and Mixed Mania – A Case Report. *J Hum Lact* 2018, June (Epub ahead of print).

**Sharma V**, Al-Farayedhi M, Doobay M, Baczynski C. Should all women with postpartum depression be screened for bipolar disorder? *Med Hypotheses* 2018 Sep; 118: 26-28. (Epub June 20, 2018)

**Sharma V**, Doobay M. Lamotrigine-induced obsessive-compulsive disorder in patients with bipolar disorder. *CNS Spectr* 2018 Aug 8: 1-5 doi: 10.1017/S1092852918001049 (Epub ahead of print).

## PUBLISHED ABSTRACTS

**Montero-Odasso M**, Quincy J. Almeida, Richard Camicioli, Karen Li, Teresa Liu-Ambrose, Laura Middleton, Louis Bherer. SYNERGIC Trial - Multimodal intervention to prevent and manage Mild Cognitive Impairment. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*. Chicago, USA. July 24, 2018.

## MEDIA

Expert, Invited by CBC Radio to present on the role of meditation and meditation applications. Program was aired between end of May and June 2018 on 30 channels across the country, CBC Radio, Presenters: **Akshya Vasudev**, 2018 May 23, London, Ontario, Canada

**Laura Diachun** – Interview - CTV Television Segment Interview, Age sensitivity suit. Healthcare professionals experience what it's like to be an elderly person living with age related diseases. @CelineMoreauCTV reports

<https://london.ctvnews.ca/video?clipId=1338336>

**Dr. Montero-Odasso** was featured in the St. Joseph's Health Care *Imprint* (Vol 19, Issue 4), highlighting his reception of the "Dr. Gilbert Research Contribution of the Year Award" at the Lawson Impact Awards, celebrated on April 18 at the London Convention Centre.

## UPCOMING EVENTS

### 12th Annual Accessible/Modified Vehicles Show & Pizza Social

Happening Soon!

Mark your calendar for the 12th Annual Accessible/Modified Vehicles Show & Pizza Social at Parkwood Institute on Wed, Sept 12<sup>th</sup> from 5:00 - 7:00 p.m. On display will be modified vehicles from both local vendors as well as individuals/consumers in the community.

Contact information:

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**Save the date** for the next installment of our seminar series: The 12th annual Gait and Brain Seminar will be hosted at the Mental Health Auditorium (Parkwood Institute, London ON; OTN #88848824) on **Tuesday October 16th, 2018 at 2PM**. The guest speaker will be Dr. Richard Camicioli, Professor and Director of the Cognitive Neurology Program at the University of Alberta, and he will present his talk entitled "*Gait and Cognition: Cause, Effect, Both or Neither*".

Please watch for information on registering for next year's **FULL DAY PIR Research Day** – Friday, April 26, 2019!

This year's theme is *Mind, Body, Spirit*.

### Mark your calendars for London Health Research Day 2019!!

London Health Research Day (LHRD) provides a forum for learners to showcase their innovative work and engage in networking opportunities with peers, faculty and industry leaders. A special keynote lecture presented by a world-class scientist will also take place as part of The Lucille & Norton Wolf Health Research Lecture Series.

**Date:** Tuesday, April 30, 2019