

PROGRAM

Tenth Annual G.F. Strong Rehab Research Day GF Strong Rehabilitation Centre May 8, 2019

Registration

0915 | G.F. Strong Lecture Theatre

Podium Presentations: Session 1

G.F. Strong Lecture Theatre

- 0945** | Opening Remarks
- 0952** | Matthew Dorton. *Establishing a cardiovascular disease risk profile for individuals with spinal cord injury.* PhD Candidate. Cardiovascular Physiology Lab, Simon Fraser University.
- 1005** | Chieh-Ling Yang. *A study evaluating the implementation of the Graded Repetitive Arm Supplementary Program (GRASP) for individuals with stroke in a local community centre.* Postdoctoral Fellow. Rehabilitation Research Program, G.F. Strong Rehab Centre.
- 1018** | Thalia Otamendi. *Advice to rest for more than two days after mild traumatic brain injury is associated with delayed return to productivity: a case-control study.* MSc Student. Sport and Exercise Psychology Lab, School of Kinesiology. UBC.
- 1031** | Tara Klassen. *Double and quadruple the dose during stroke inpatient rehabilitation improves walking recovery: results from the Determining Optimal post-Stroke Exercise (DOSE) randomized controlled trial.* Research Associate. Rehabilitation Research Program, G.F. Strong Rehab Centre.
- 1044** | Bulmaro Valdés. *Using a robotic device to enhance upper-limb 3D proprioception.* Postdoctoral Fellow. Menrva Lab, Simon Fraser University.
- 1057** | Anna Beradi. *Assistive Technology prevalence and demographics in Canada.* Occupational Therapist. Rehabilitation Research Program, G.F. Strong Rehab Centre.
- 1110** | Elham Esfandiari. *Education after lower limb amputation: a qualitative study on clinicians' perspectives.* PhD Candidate. Rehabilitation Research Program, G.F. Strong Rehab Centre.



- 1123** Suzanne Humphreys. *The Rick Hansen Spinal Cord Injury Registry (RHSCIR) – a look at traumatic SCI in Canada*. Manager, Data Services Group and RHSCIR Data Steward, Rick Hansen Institute.
- 1135** Special Presentation- Dr. Amanda Chisholm. *REACH BC – an online platform connecting you to health research in BC*. Project Manager, Vancouver Coastal Health Research Institute.

Lunch & Lunchtime session

- 1145** Lunch served in **Boardroom 109**
- 1215** **G.F. Strong Lecture Theatre**
“Medical Marijuana in Rehabilitation: What do clinicians need to know?”
 Dr. Zeid Mohamedali MD, PhD, FRCS(C)

Poster Session

- 1315** **G.F. Strong Gym**
 “let them eat cake”
- 1445** **BREAK**

Podium Presentations: Session 2

G.F. Strong Lecture Theatre

- 1500** Kendra Todd. *An examination of the acute relationships between exercise and neuropathic pain among adults with spinal cord injury*. PhD Candidate. School of Health & Exercise Sciences, UBC.
- 1513** Richard Ho. *Prevalence and functional impact of suprascapular nerve injury pre and post-operatively in the setting of chronic, massive rotator cuff tears: A pilot study*. Resident in Physical Medicine & Rehabilitation, UBC.
- 1526** Sue Peters. *The brain activation associated with 'active' and 'passive' gait: Considerations for exoskeleton use in gait retraining*. Postdoctoral Fellow, Rehabilitation Research Program, G.F. Strong Rehab Centre.



- 1539** Jordan Farag. *Casting as an adjunct to botulinum toxin for limb spasticity: A systematic review*. Resident in Physical Medicine & Rehabilitation, UBC.
- 1552** Alvin Ip. *Canadian physician use of adjunct therapies following botulinum toxin injection for spasticity management: A cross-sectional survey*. Resident in Physical Medicine & Rehabilitation, UBC.
- 1605** Special Presentation- Dr. Aziz Ghahary. *Complicated wounds in patients with spinal cord injuries*. Professor, UBC Department of Surgery; Director of BC Professional Firefighters' Burn and Wound Healing Research Group.
- 1630** **Plenary Session**
Dr. Eva Widerstrom-Noga
Professor, Neurological Surgery University of Miami, Miller School of Medicine Miami
Project to Cure Paralysis
“Pain after spinal cord injury – a multidimensional problem”
- 1715** Closing remarks and award presentations



Poster Session: Presenters

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| Sharon Jang | <i>Comparing skill performance between indoor and outdoor environments among experienced scooter users</i> | Master's Student, ICORD. |
| Martin Keung | <i>Urodynamics and histological evaluation of the bladder in a porcine model of spinal cord injury</i> | MSc student Neuroscience at ICORD. |
| Amanda Cheung | <i>Measuring the effects of mean arterial pressure changes on spinal cord hemodynamics in a porcine model of acute spinal cord injury using a novel optical technique</i> | MSc Student, ICORD. |
| Arshdeep Marwaha | <i>Lower body negative pressure: A pre-clinical model of orthostatic hypotension following spinal cord injury</i> | Research Assistant, ICORD. |
| Eric Chow | <i>Near-infrared spectroscopy as a novel spasticity outcome measure: A systematic review</i> | Research Assistant, G.F. Strong Spasticity clinic. |
| Kiran Pawar | <i>Biomaterial scaffold-based strategies for spinal cord repair</i> | Post Doctoral Fellow, Dr. Krassioukov Lab. ICORD. |
| Nathan Hitchman | <i>Radial palsy in an individual with high level chronic spinal cord injury</i> | second year UBC medical student, ICORD. |
| Xin Zhang | <i>Using EEG as an objective motor function evaluation</i> | PhD student, Menrva Lab, Simon Fraser University. |
| Glenys MacIsaac | <i>Improving ISNCSCI classification using a computerized algorithm: reach, use and usefulness of a new technology</i> | Product manager IT, Rick Hansen Institute. |
| Nader Fallah | <i>A longitudinal analysis of neurological recovery based on timing of early post-injury neurologic assessment in acute spinal cord injury</i> | Senior Biostatistician, Rick Hansen Institute. |
| Abdullah Alrashidi | <i>Association between peak oxygen uptake and left ventricular systolic function in individuals with cervical and upper-thoracic spinal cord injury</i> | PhD candidate, Experimental Medicine, UBC. |
| Andrea Ramirez | <i>Long-term neurogenic lower urinary tract dysfunction: A case of cardiovascular nightmares</i> | Clinical Research Facilitator, Autonomic Research Laboratory, ICORD. |



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| Jessica McDougall | <i>Near infrared spectroscopy for non-invasive monitoring of muscle hemodynamic and metabolic changes following botulinum toxin injection for spasticity management</i> | PhD student GF Strong spasticity clinic & ICORD. |
| Nancy Thorogood | <i>Pediatric spinal cord injury in Canada</i> | Research Associate, Rick Hansen Institute. |
| Shane Balthazaar | <i>Left ventricular function in individuals with acute and chronic spinal cord injury</i> | MSc Candidate ICORD. |
| Jasmin Ma | <i>So, your physical activity intervention was successful, now what? Considerations for implementation in the physiotherapist setting</i> | Post-Doctoral Fellow, Department of Physical Therapy, UBC. |
| Amanda Lee | <i>Cannabis use in women with spinal cord injury: physician and patient perspectives</i> | Research Coordinator, Dr. Krassioukov lab. |
| Katherine Green | <i>Exploring somatization in adolescents with persistent post-concussive symptoms</i> | MSc student, Experimental Medicine, UBC. |
| Rahul Sachdeva | <i>The revolution of a evolution: a noninvasive neuroprosthesis for cardiovascular recovery following spinal cord injury</i> | Post Doctoral Fellow, ICORD. |
| Kylie Nabata | <i>The therapeutic potential of cannabis in persons with spinal cord injury: a systematic review</i> | 2nd year Medical Student, ICORD. |



Acknowledgements

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