

# PROGRAM

## 13<sup>th</sup> Annual G.F. Strong Rehab Research Day May 25, 2022

\*Register for this year's event to receive the Zoom Link to attend: [Registration link](#).

**12:00** **Welcome**  
Dr. Rajiv Reebye

**12:10** **Keynote Address**  
Zoom link: available to registrants\*

### **Technology and Network Systems Medicine: impact on neurorehabilitation and Physical Medicine & Rehabilitation**

Dr. Franco Molteni.

*Director of Valduce Hospital Physical Medicine and Rehabilitation Department, "Villa Beretta" Rehab Centre, Italy. | Senior Research Associated of the Institute of Intelligent Industrial Systems and Technologies for Advanced Manufacturing, Italian National Research Council*

**1:20** **Poster & Networking Session\*\***

#### **Hosted on Gather.Town**

Link will be sent out to registrants and provided in the Zoom chat during the event.

Visit the [Gather.Town conference demo](#) to familiarize yourself and explore how this platform works. If you don't already have an account, you can create one before the day for easier access on May 25<sup>th</sup>.

**2:10** **Trainee Oral Presentations: Session 1**  
Moderator: Dr. William B. Mortenson | Zoom link: available to registrants\*

**Chloe Haldane.** *Role of Physical Medicine and Rehabilitation in Post-COVID Lung Transplantation: A Case Series.* UBC Division of PM&R. Supervisor: Dr. Rajiv Reebye.

**Marisa Lin.** *Implementing coordinated physical activity coaching: barriers and facilitators identified by Physiotherapists and Spinal Cord Injury BC peer coaches.* UBC Faculty of Kinesiology. Supervisor: Dr. Jasmin K. Ma.

**Claire Shackleton.** *Lets Talk About Sex: Effects of Epidural Spinal Cord Stimulation on Sexual Function in Individuals with Spinal Cord Injury.* UBC Division of PM&R. Supervisor: Dr. Andrei Krassioukov.



**Heather Hong.** *Ambulation - A Web-Based Knowledge Translation Tool for Independent Walking Prediction after Traumatic Spinal Cord Injury.* Praxis Spinal Cord Institute. Supervisor: Dr. Vanessa Noonan.

**Paul Adamiak.** *Trends in provision of mobility assist devices post traumatic spinal cord injury in Canada.* UBC Division of PM&R. Supervisor: Dr. Andrea Townson.

**3:00 Trainee Oral Presentations: Session 2**

Moderator: Dr. Jennifer Yao | Zoom link: available to registrants\*

**Kiarah O'Kane.** *Development of Therapeutic Alliance and Social Presence in a Digital Mindfulness-Based Intervention for Adolescents with Concussion.* UBC Department of Psychology. Supervisor: Dr. Molly Cairncross.

**Mathilde Rioux.** *Graded exposure therapy for adults with persistent post-concussion symptoms: A historical controlled trial.* UBC Department of Psychology. Supervisor: Dr. Noah Silverberg.

**Sahil Chawla.** *Association between DASH and shoulder muscle strength in upper trunk and pan-plexus brachial plexus injuries.* UBC Faculty of Medicine. Supervisor: Dr. Michael J Berger.

**Farzad Ravari.** *Effect of Isometric and Isotonic Exercise on Total Knee Arthroplasty Outcome Systematic Review and Meta-Analysis.* UBC Graduate Program in Rehabilitation Sciences. Supervisor: Dr. William C. Miller and Dr. Brodie Sakakibara

**Ronan Denyer.** *DeepLabCut provides reliable kinematic data across a diverse array of tasks in young healthy and chronic stroke populations.* UBC Department of Physical Therapy. Supervisor: Dr. Lara Boyd.

**3:50 Closing remarks**

Awards for trainee presenters

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## \*\*Poster Presentations

Presenter	Title	Supervisor
<b>01 Pegah Derakhshan</b>	<i>Evaluation of the Quality of Current COVID-19 Resources Developed for Individuals with Spinal Cord Injuries</i>	Dr. Bill Miller & Dr. William B. Mortenson
<b>02 Murveena Jeawon</b>	<i>Predicting life satisfaction among person with incomplete spinal cord injury who can ambulate</i>	Dr. William B. Mortenson
<b>03 Laura McCracken</b>	<i>The quality and availability of current breastfeeding guidelines for mothers with spinal cord injury: a narrative review</i>	Dr. Andrei Krassioukov
<b>04 Liza Roik</b>	<i>Time commitment and perceived difficulty of cleaning catheters for re-use among adults with spinal cord injury</i>	Dr. Andrei Krassioukov
<b>05 Tiev Miller</b>	<i>Dance first, think later: A case-series on the cardiometabolic demands and psychosocial effects of wheelchair dancing in people with spinal cord injury</i>	Dr. Andrei Krassioukov
<b>06 Kawami Cao</b>	<i>The Long-Term Effect of Cervical Transcutaneous Spinal Cord Stimulation on Cardiovascular Regulation in Chronic Cervical Spinal Cord Injury: A Case Study</i>	Dr. Andrei Krassioukov
<b>07 Ali Hosseinzadeh</b>	<i>Effect of Fixed ratio Oxycodone/Naloxone (Targin) on Pain and Constipation Control in an Individual With Chronic Spinal Cord Injury: A Case Report</i>	Dr. Andrei Krassioukov
<b>08 Eric McGinn</b>	<i>Adaptation of Physiological Arousal and Step Symmetry During a Split-Belt Walking Paradigm</i>	Dr. Courtney Pollock
<b>09 Nathan Chen</b>	<i>Access to neurorehabilitation interdisciplinary outpatient programs in British Columbia</i>	Dr. Paul Winston
<b>10 Lee Bauer</b>	<i>Ultrasonographic Evaluation of Muscle Quality after Anterior Interosseous to Ulnar Nerve Transfer for Chronic Cubital Tunnel Syndrome</i>	Dr. Michael Berger
<b>11 Emmanuel Ogalo</b>	<i>Ultrasound Evaluation of Critical Forearm Muscles Involved in Grasp Function</i>	Dr. Michael Berger
<b>12 Fraser MacRae</b>	<i>Assessing the Usefulness of Electrodiagnosis in Patients with Complex Regional Pain Syndrome: Informing Diagnosis and Management</i>	Dr. Paul Winston



<b>13 Farris Kassam</b>	<i>Canadian Physicians' Use of Perioperative Botulinum Toxin Injections to Spastic Limbs: A Cross-sectional National Survey</i>	Dr. Rajiv Reebye
<b>14 Fraser MacRae</b>	<i>Cryoneurolysis of the femoral nerve for the treatment of focal spasticity in two ambulatory patients</i>	Dr. Paul Winston
<b>15 Aidan Pye</b>	<i>Patient perspectives on interdisciplinary peripheral nerve trauma care</i>	Dr. Mike Berger
<b>16 Edwina Picon</b>	<i>Chronic Subjective Memory Problems After Concussion</i>	Dr. Noah Silverberg
<b>17 Grewal Jasleen</b>	<i>Priorities For Quality Of Life After TBI</i>	Dr. Julia Schmidt
<b>18 Rinni Mamman</b>	<i>Living in a reshaped reality: Exploring social participation and self-identity after TBI</i>	Dr. Julia Schmidt
<b>19 Rebecca Tsow</b>	<i>Enabling Meaning after Brain injury through Acceptance and Resiliency Construction (EMBARC)</i>	Dr. Julia Schmidt
<b>20 Niloufar Benam</b>	<i>Exploring loneliness during the COVID-19 pandemic in the elderly and disability population</i>	Dr. Julia Schmidt
<b>21 Mark Grasdal</b>	<i>The microbiological and physical properties of catheters for intermittent catheterization: A systematic review on the impact of reuse and cleaning</i>	Dr. Andrei Krassioukov
<b>22 Katharina Raschdorf</b>	<i>Validating the Accuracy of a Fully Implantable Optical Sensor for Monitoring Spinal Cord Hemodynamics and Oxygenation</i>	Dr. Brian Kwon & Dr. Babak Shadgan
<b>23 Ali Hosseinzadeh</b>	<i>Who writes this stuff: A scoping review on the quality of web-based information for spinal cord stimulation</i>	Dr. Andrei Krassioukov
<b>24 Tahmineh Mousavi</b>	<i>Enhancing Emotions Capability: The Role of Occupational Therapy in Treating ASD</i>	Dr. Elizabeth Dean
<b>25 Michael Ruiz-Peters; Matthew Dorto</b>	<i>Effect of passive cycling on cardiac function</i>	Dr. Victoria Claydon
<b>26 Sepehr Saeidiborojeni</b>	<i>Perioperative Botulinum Toxin to enhance outcomes of surgeries on spastic limbs: a review of current literature and implications for clinical practice</i>	Dr. Rajiv Reebye



# Acknowledgements

## Partners

Thank you to our partners who provide the staff and resources each year, contributing the success of the GF Strong Rehab Research Day.



THE UNIVERSITY OF BRITISH COLUMBIA  
Division of Physical Medicine & Rehabilitation  
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REHABILITATION RESEARCH PROGRAM  
REVOLUTIONIZING REHABILITATION PRACTICE: ENABLING ABILITY



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