

Mailing Address

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I. General Research Interest

- A. Use of technology by individuals with disabilities
 - a. Factors influencing
 - i. use of technology
 - ii. adoption of technology use
 - iii. long-term adoption of technology
 - b. Environmental barriers and facilitators to functional performance

- B. Self-management of disability
 - a. Effectiveness of home-based interventions to promote self-management
 - i. Functional performance
 - ii. Activities of daily living
 - iii. Usability
 - iv. Satisfaction
 - b. Assessing use of technology-based intervention for self-management
 - i. Factors affecting technology adoption
 - ii. Technology acceptance
 - iii. User's interaction with the technology

- C. Knowledge translation
 - a. Educating individuals with disabilities and their caregivers
 - b. Assessing the role of mHealth (i.e.
 - c. Developing culturally-sensitive knowledge tailored to the community

II. Current Research Projects

- A. Quantitative feedback from portable, surface electromyography to modulate grip in rehabilitation post stroke

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- B. Impact of mHealth intervention on community-based rehabilitation workers and caregivers of children with cerebral palsy

III. Research Skills

- A. Clinical study design and recruitment
- B. Quantitative research methodologies
- C. Moderating focus groups, and interviews
- D. Developing, implementing and evaluating interventions
- E. Clinical, and home-based study implementation
- F. Usability testing
- G. Data management and analysis using statistical software: SPSS, Stata, R, NVIVO