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I. General Research Interest

- A. Measurement development
 - 1. Patient-reported outcomes
 - 2. Item response theory Rasch model
 - 3. Computer adaptive testing
 - 4. Data collections via different interfaces
 - 5. Clinical utility such as short forms and key forms
- B. Symptom management and reintegration in people with chronic disabilities
 - 1. Mindfulness approaches for people with traumatic brain injury
 - 2. Motor learning to reduce falls in people with multiple sclerosis
- C. Improving access to services in community and through technology
 - 1. Tele-rehabilitation/exercises
 - 2. Community-based programs

II. Current Research Projects

- A. Adaptive motor learning of fall resistance skills through slip exposure in multiple sclerosis (Co-I)
- B. Motor training for reducing falls: Adaptation and retention in people with multiple sclerosis (Co-I)
- C. Improve clinical utilizations of a participation measure by creating criterion standards and a short-form (PI)

III. Research Skills

- A. Quantitative research designs
- B. Participants recruitments through registries and communities
- C. Data collections via different interfaces such as face to face, phone, mailing, web-based
- D. Measurement development and refinement
- E. Item response theory
- F. Database development
- G. Quantitative data analysis: SAS, SPSS, Mplus, Winsteps