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Scientific Abstract

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Comparing the Sensitivity of the Assessment of Motor and Process Skills and the Functional Independence Measure in Detecting Change in an Occupational Therapy Cognitive Rehabilitation Programme: A Pilot Study

Zhenzhen Chen

National University Hospital, Singapore

Objective: This study aimed to compare the sensitivity of the Assessment of Motor and Process Skills (AMPS) and the Functional Independence Measure (FIM) in detecting change in an occupational therapy (OT) cognitive rehabilitation programme.

Methods: Consecutive patients referred to our outpatient OT cognitive rehabilitation programme were recruited. The AMPS and the FIM were conducted at the first and last session of the cognitive rehabilitation programme. To determine the responsiveness of the two outcome measures, effect sizes were calculated for each of their four subscales.

Results: Data from 10 participants recruited from March 2016 to May 2017 were analysed. All were males, with a mean age of 31 ± 13.1 years. The AMPS measured statistically and clinically significant changes in the motor and process abilities of the participants after the cognitive rehabilitation programme. Both the motor and process scales of the AMPS were found to be responsive to change, as compared to only the cognitive scale of the FIM.

Conclusion: The AMPS is a sensitive and responsive outcome measure that can be used to detect changes that may not be detected through the use of the FIM in clients receiving cognitive rehabilitation. As clients with cognitive deficits often require long-term followup, this study has shown that the AMPS is able to detect changes over a long duration of intervention and is useful for occupational therapists providing cognitive rehabilitation.