

研究業績 英文表記

和文	
表題	足指圧迫力の RFD の年代別比較と timed up and go test との関連性
著者名	釜崎大志郎 ^{1,2)} , 大田尾浩 ¹⁾ , 田中真一 ³⁾ , 八谷瑞紀 ¹⁾ , 久保温子 ¹⁾ , 大川裕行 ¹⁾ , 坂本飛鳥 ¹⁾ , 藤原和彦 ¹⁾ , 末永拓也 ⁴⁾ , 吉瀬陽 ⁵⁾ , 下木原俊 ²⁾ , 丸田道雄 ^{6,8)} , 韓侑熙 ^{7,8)} , 溝上泰弘 ⁹⁾ , 田平隆行 ¹⁰⁾
所属	1) 西九州大学 リハビリテーション学部 リハビリテーション学科 2) 鹿児島大学大学院 保健学研究科 博士後期課程 3) 令和健康科学大学 リハビリテーション学部 リハビリテーション学科 4) 敬天堂古賀病院リハビリテーション科 5) 聖マリア病院 リハビリテーション科 6) 長崎大学 生命医科学域(保健学系) 7) 国際医療福祉大学 福岡保健医療学部 作業療法学科 8) 鹿児島大学医学部客員研究員 9) 株式会社ミズ 10) 鹿児島大学大学院 保健学研究科
英文	
Title	Age-specific comparisons in the rate of force development of toe pressure strength and its association with the timed up and go test
Author	Taishiro Kamasaki ^{1,2)} , Hiroshi Otao ¹⁾ , Shinichi Tanaka ³⁾ , Mizuki Hachiya ¹⁾ , Atsuko Kubo ¹⁾ , Hiroyuki Okawa ¹⁾ , Asuka Sakamoto ¹⁾ , Kazuhiko Fujiwara ¹⁾ , Takuya Suenaga ⁴⁾ , Yo Kichize ⁵⁾ , Suguru Shimokihara ²⁾ , Michio Maruta ^{6,8)} , Gwanghee Han ^{7,8)} , Yasuhiro Mizokami ⁹⁾ , Takayuki Tabira ¹⁰⁾
Affiliation	1) Faculty of Rehabilitation Sciences, Department of Rehabilitation Sciences, Nishikyushu University 2) Doctoral Program of Clinical Neuropsychiatry, Graduate School of Health Sciences, Kagoshima University 3) Department of Physical Therapy, Faculty of Rehabilitation Science, Reiwa Health Sciences University 4) Department of Rehabilitation Medicine, Keitendo Koga Hospital 5) Department of Rehabilitation, St. Mary's Hospital 6) Department of Occupational Therapy, Nagasaki University Graduate School of Biomedical Sciences 7) Department of Occupational Therapy, School of Health Sciences at Fukuoka, International University of Health and Welfare 8) Visiting Researcher, Faculty of Medicine, Kagoshima University 9) Miz Co., Ltd 10) Graduate School of Health Sciences, Kagoshima University
Abstract	It has recently been recommended that Rate of Force Development (RFD) be evaluated in addition to maximal muscle strength. There are no studies on RFD of toe pressure strength, and its importance in older adults and the extent to which it is associated with aging needs to be clarified. This study purpose was to examine the association between the RFD of toe pressure strength and timed up and go test (TUG) in an age-specific study. Younger adults showed no association between TUG and RFD of toe pressure strength, and significant association between TUG and RFD of toe pressure strength was found only in the older adults (standard regression coefficient = - 0.19, p = 0.048). This study showed a significant association between TUG and RFD of toe pressure strength in older adults. These findings show that RFD is one of the functions that should be assessed, particularly in older adults. Furthermore, it was suggested that approaching RFD could improve gait, standing, and sitting movements.
keyword	Older adults; RFD; TUG; Toe muscle strength; Toe pressure strength.

※本データの英文表記は実際の論文上の表記とは異なります。