研究業績　英文表記

和文	
表題	要介護高齢者を対象とした立位での足指圧迫力の信頼性と妥当性
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英文	
Title	Reliability and Validity of Toe Pressure Strength when Standing as an Index in Care-dependent Elderly
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Abstract	[Purpose]Toe pressure strength when standing was measured, and the reliability and validity of this value were examined. [Subjects and Methods] Measurement was performed in 78 care-dependent elderly people (age:82±7) using outpatient rehabilitation services. In addition to their toe pressure strength when standing, various body functions were measured. [Results]The pressure strengths of toes on left and right feet when standing were ICC=0.78 (95% CI:0.67 to 0.85) and 0.85 (0.77 to 0.90), respectively. The validity of these values were confirmed by calculating correlation coefficients. In both cases, there were significant correlations with the hand grip strength, knee extensor strength, ankle plantar flexor strength, ankle dorsiflexor strength, and skeletal muscle mass. The total toe pressure strength when standing was also significantly correlated with these parameters. [Conclusions]The toe pressure strength when standing was sufficiently reliable on both sides. The results also support its applicability as a muscle strength index for the caredependent elderly.
keyword	toe pressure strength when standing, reliability, validity

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