

研究業績 英文表記

和文	
表題	要介護高齢者を対象とした足関節筋力の測定値の検者内信頼性と身体機能および認知機能との基準関連妥当性の検討
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英文	
Title	Intra-assessor reliability of ankle joint muscle strength measurements and criterion-related validity with physical and cognitive function in older adults requiring long-term care.
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Abstract	[Purpose] Intra-assessor reliability of ankle plantar and dorsiflexion muscle strength measurements and criterion-related validity with physical and cognitive function were examined. [Participants and Methods] The participants were 763 long-term care older adults. Ankle plantar flexion and dorsi flexion muscle strength as well as physical and cognitive functions were evaluated. Intra-rater reliability of ankle plantar flexion and dorsiflexion muscle strength was examined by intra-correlation coefficients. Criterion-related validity with physical and cognitive function was examined by items with moderate or greater ($\rho \geq 0.4$) associations in the correlation analysis. The intraclass correlation coefficient for ankle plantar and dorsiflexion strength ranged from 0.78 to 0.98. Ankle plantar flexion and dorsiflexion muscle strength were moderately or strongly related to grip strength and knee extension muscle strength. The intra-assessor reliability of ankle plantar flexion and dorsiflexion muscle strength measurements in older adults requiring long-term care was sufficiently high and had criterion-related validity with grip strength and knee extension muscle strength, indicating that they are useful for objective assessment of muscle strength.
keyword	ankle strength, intra-assessor reliability, criterion-related validity

※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。