研究業績　英文表記

和文	
表題	要介護高齢者の足指把持力および足指圧迫力と身体機能との関連 ―足指機能評価の有用性の検証―
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英文	
Title	Relationship between toe grip strength and toe pressure strength and physical function in older adults in long-term care. ―Validation of the usefulness of toe function assessment―
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Abstract	It is not clear which is the more useful method of assessing physical function, toe grip strength or toe pressure. This study compared the relationship between toe grip strength and toe pressure on each body function. The participants were 115 older adults (39 males and 76 females) who were using day-care rehabilitation facilities and who required long-term care. The items measured were toe grip strength, toe pressure strength, knee extension strength, open eye one-leg stand test, CS-30, FRT, EC-FRT, TUG, and 5m walking time. The relationship between toe grip strength and toe pressure and each physical function was examined using Spearman's rank correlation coefficients. We tested for differences in their correlation coefficients. The results of this study showed that the stronger the toe grip strength and toe pressure of older adults in long-term care, the higher each physical function was. The test of difference in correlation coefficients showed no significant difference. Toe grip strength and toe pressure in older adults who require long-term care were both shown to be potentially useful as assessment methods of physical function.
keyword	toe grip strength，toe pressure，physical function

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