

## 研究業績 英文表記

和文	
表題	立ち上がり時の介助の有無と立位での足指圧迫力および足指把持力との関連の比較-地域在住高齢者を対象とした横断研究-
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英文	
Title	Comparison of toe pressure strength in the standing position and toe grip strength in association with the presence of assistance in standing up: a cross-sectional study in community-dwelling older adults
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Abstract	<p><b>Purpose</b> We believe that toe pressure strength in the standing position, which is closer to the actual movement, is more associated with standing up in the older adults than the conventional toe grip strength. Therefore, the purpose of this study is to examine the association between toe pressure strength in the standing position and the presence of assistance in standing up in the older adults. <b>Methods</b> Ninety-five community-dwelling older adults (82 ± 8 years old, 72% female) were included in this study. The patients were evaluated based on their need for assistance in standing up. Physical functions, including toe pressure strength in the standing position, toe grip strength, hand grip strength, knee extension strength, one-leg standing time with eyes open, and maximal walking speed, were measured. <b>Results</b> When compared with and without assistance to stand up, the group requiring assistance had weaker toe pressure strength in the standing position than the group without assistance (p = 0.015, ES = 0.53). After adjusting for confounding factors, the final model revealed that toe pressure strength in the standing position was associated with the use of assistance in standing up (odds ratio 0.94 [0.88–0.99, p = 0.025]). <b>Conclusion</b> Toe pressure strength in the standing position was associated with the use of assistance in standing up in older adults. Improving toe pressure strength in the standing position may facilitate the ability of older adults to stand up.</p>
keyword	Toe pressure strength in the standing position · Toe grip strength · Toe muscle strength · Presence of assistance in standing up · Older adults

※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。