

研究業績 英文表記

和文	
表題	高齢者における視線行動の特徴と関連因子を応用した実世界ナビゲーション
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英文	
Title	Real-world Navigation with Application: Characteristics of Gaze Behavior and Associated Factors in Older Adults
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Abstract	Our aim is to investigate age-related differences in real-world app-based navigation walking in terms of accuracy, efficiency and gaze behavior; to explore clinical factors associated with navigation walking in older adults. Compared to young participants, older participants had more stops and root errors and less fixation time, smaller amplitude of saccades. Additionally, older adults were more likely to glance at their smartphones while app-based navigation walking. Furthermore, gait speed and the following assessment scores were significantly associated with navigation walking in older adults; Mini-Mental State Examination, Life-Space Assessment, and the short version of Mobile Device Proficiency Questionnaire. It is possible that age-related functional decline, such as visual field and shifting attention between mobile devices and the real world, may have influenced the results. The study also suggests the need to understand the level of proficiency with mobile devices so that older adults can continue to go out freely. These findings give the basis for providing older adults with appropriate navigation assistance.
keyword	Application; Gaze behavior; Mobile Device; Navigation; Real-world

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