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제 목	국문	노인 신체기능 평가도구의 개발과 신뢰도 및 타당도			
	영문	The Development, Reliability, and Validity of Physical Functioning Scale for Community-Dwelling Older Persons			
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1. 연구 목적

To develop a physical functioning instrument for community-dwelling older adults.

2. 연구 방법

A representative sample of 979 persons aged 65 years or over were interviewed in-person, of whom 199 persons also completed the detailed in-hospital examination. Scale items were selected based on frequency of endorsement, item-total and inter-item correlations. Associations of the scale with physical performance and clinical exam were analyzed to evaluate criterion-related validity. Construct validity was assessed using factor analysis, and internal consistency through Cronbach's alpha and item-total correlations. Test-retest reliability was measured by agreement between the household survey and repeat survey at in-hospital examination.

3. 결과

Initially, 23 items on the amount of difficulty, ranging from no difficulty to unable to do, with specific mobility and self-care tasks were included. Those with high frequency of endorsement and low inter-item or item-total correlations were excluded, resulting in a 10-item Physical Functioning (PF) scale. Equal weights were given to each item and a summated score calculated. Significant associations were found between the PF scores and physical performance, survey and clinical data. The scale revealed a 2-factor (mobility and self-care) structure. Cronbach's alpha was 0.92 and item-total correlations in the 0.63 to

0.78 range. Pearson's correlations for the test-retest were between 0.56 and 0.61.

4. 고찰

The newly developed Physical Functioning (PF) scale showed good psychometric properties in older people. Further work, however, is needed to improve its sensitivity to discriminate higher levels of functioning, as well, as to assess its predictive value in detecting changes in health.