

研究業績 英文表記

和文	
表題	年長児の握力測定の意義について
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英文	
Title	Significance of Hand Grip Strength Measurement for Children Aged 5-6
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Abstract	<p>Abstract: [Objective] To confirm the significance of hand grip strength measurement for infants, the hand grip strength of children aged 5-6 was measured and compared with values representing other motor skills. [Subjects] The measurement involved 408 (211 males and 197 females) healthy children aged 5-6. [Methods] After measuring the height, weight, and hand grip strength, the 5 motor skill tests for infants developed by the Ministry of Education, Culture, Sports, Science, and Technology were conducted to analyze their relationships with the hand grip strength. [Results] Males' and females' mean hand grip strengths were 8.5 ± 2.2 and 8.1 ± 2.2 kg, but, sex difference was small. Single correlation analysis revealed small correlations of the hand grip strength with the height, body, and results of the following tests: 25-meter run, standing broad jump, and body support time. Hand grip strength and ball throw showed moderate correlations. Furthermore, on multiple regression analysis, the height, body support time, and ball throw were shown to influence the hand grip strength. [Discussion] Our results suggest that the hand grip strength is a useful assessment tool for a muscle strength-related factor for Children Aged 5-6.</p>
keyword	hand grip strength, Children Aged 5-6, motor skills

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