報文

肩関節最大運動角の年齢による相違が3種類の
かぶり式半袖上衣の更衣動作パターンに及ぼす影響

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The Influences of Maximal Angles of Shoulder Joints on Methods of Putting on and Taking off Three Kinds of Short-Sleeved Shirts by the Young and Elderly

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Abstract
The elderly have functional deterioration and pain in many parts of the body with aging, and have difficulty in putting on and taking off clothes. We analyzed the motion of healthy elderly women (aged 70 to 80 years) and young women (aged 20 to 30 years) putting on and taking off three kinds of short-sleeved shirts (a T-shirt, a polo shirt and a tank top), and investigated the influence of aging, the kind of clothes and maximal angles of the shoulder joints on the motion of putting on and taking off their shirts. The methods of putting on and taking off shirts were classified in three and four patterns, respectively. The pattern distribution differed between generations and different kinds of clothes in taking off but not putting on the shirts. In addition, one of the maximal angles of the shoulder joints (abduction) would be determinants in selecting the methods of taking off shirts in elderly women.

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