

報 文

子ども用ズボンのウエストゴム圧と圧感覚

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Clothing Pressure and Compressive Sensation of the Elastic Waistbands of Children's Trousers

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Abstract

To determine the desirable clothing pressure from the children trousers, we measured it usual for the infants, children, and students in this study. In addition, we estimated the child or student's compressive sensation from the trousers. 93 infants (5-6 years), 64 children (11-12 years old), and 39 university students (20-23 years old) were employed as subjects in this study. The results were as follows. In the case of infants, an elastic tape was almost always used. The clothing pressures for infants, children, and students at the front of waist were 1.44 kPa, 1.56 kPa, and 0.97 kPa, respectively. Many infants and children are exposed to high levels of pressure around their waists due to the elastic in their trousers. In addition, the child could not discriminate their high compression. Therefore, the apparel maker must devise a way of sewing the elastic tape to make the waistband adjustable for each infant and child.

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Key words : clothing pressure 衣服圧, compressive sensation 圧感覚, children 子ども, trousers ズボン, Elastic Waistbands ウエストゴム紐

1. 緒言

近年、人間生活のあらゆる側面から健康管理への取り組みが重視されている。衣服圧の影響についても、長時間や繰り返し着用によって、発汗・皮膚温・自律神経など身体生理への影響が問題とされ、様々な病状の誘発原因となっている報告もある。ウエスト部のゴム紐について、身元¹⁾は、“パンツのゴム

紐症候群”と警告をならし、伸縮性の良いゴム紐の衣服圧が自律神経活動に悪影響を及ぼし、各種病状の原因となっていることを指摘している。この理由として、ウエスト部分にゴム芯を入れたもの（以後ゴム紐と表示）は、伸縮性の悪い皮ベルトや布芯をいれたもの（布紐と表示）と異なり、呼吸変動によって衣服圧の変動が少ないにもかかわらず、胃や肝臓