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論文内容の要約

保健医療学研究科 博士後期課程	保健医療学専攻 作業療法学 分野	平成31年 4月 2日入学	
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氏名	伊藤 香織	主研究指導教員	藤井 浩美
論文題目	Effects of Occupational Therapy on Standing Trouser-Wearing Motion in Children with Autism Spectrum Disorder		
<p>【要約】(文章の順番を守り、論理立てて記載してください。)</p> <p>This study aimed to investigate the effect of occupational therapy (OT) on the standing trouser-wearing motion of children with autism spectrum disorder (ASD).</p> <p>Study participants included 12 children (6 boys and 6 girls) with an IQ ranging from 88–113 who were diagnosed with ASD by pediatricians or child psychiatrists and using child development support services and after-school day services for children with disabilities. The therapist conducted 60-min one-on-one OT interventions with participants. The total number of OT interventions for participants ranged from 5 to 11 times. During this period, participants performed one-legged standing and standing trouser-wearing motion four times as an experimental task. Parameters analyzed were foot pressure, center of pressure (COP), and motion analysis.</p> <p>We found that 5 of 12 participants showed improvement in trouser-wearing motion from type 1 to type 2, and three from type 2 to type 3. The anterior-posterior-COP-max, anterior-posterior-COP-trajectory, and medial-lateral-COP-trajectory of the trouser-wearing motion decreased significantly in the third and fourth experimental tasks compared with the first (<math>p&lt;.05</math>); however, there was no significant difference in the medial-lateral-COP-max. Furthermore, participants could bend their trunk forward easily during the final OT intervention.</p> <p>These findings suggest that five sessions of play-based occupational therapy could be effective in improving standing trouser-wearing motion in children with ASD. As the effect of OT was not observed in each parameter of one-legged standing, the existence of task specificity is suggested.</p>			

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