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Authors: Jeffrey D. Eggleston, John R. Harry, Robbin A. Hickman, Janet S. Dufek



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Analysis of Gait Symmetry during Over-Ground Walking in Children with Autism Spectrum Disorder

Jeffrey D. Eggleston^{1*}, John R. Harry¹, Robbin, A. Hickman², Janet S. Dufek¹

¹Department of Kinesiology and Nutrition Sciences

²Department of Physical Therapy

*Corresponding Author

University of Nevada, Las Vegas

4505 South Maryland Parkway, MS 3034

Las Vegas, NV 89154-3034

702-895-0702

egglest6@unlv.nevada.edu

Highlights

- Children with autism exhibit unique lower extremity joint asymmetries.
- Current autism diagnostic criteria may need to incorporate movement characteristics
- Movement dysfunction may act as an early indicator of autism

Abstract

Gait symmetry is utilized as an indicator of neurologic function. Healthy gait often exhibits minimal asymmetries, while pathological gait exhibits exaggerated asymmetries. The purpose of this study was to examine symmetry of mechanical gait parameters during over-ground walking in children with Autism Spectrum Disorder (ASD). Kinematic and kinetic data were obtained

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