Accepted Manuscript

Title: Analysis of gait symmetry during over-ground walking in children with autism spectrum disorder

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PII: S0966-6362(17)30122-4

DOI: http://dx.doi.org/doi:10.1016/j.gaitpost.2017.04.026

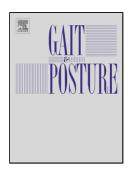
Reference: GAIPOS 5399

To appear in: Gait & Posture

Received date: 21-8-2016 Revised date: 26-1-2017 Accepted date: 4-4-2017

Please cite this article as: Eggleston Jeffrey D, Harry John R, Hickman Robbin A, Dufek Janet S. Analysis of gait symmetry during over-ground walking in children with autism spectrum disorder. *Gait and Posture* http://dx.doi.org/10.1016/j.gaitpost.2017.04.026

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ACCEPTED MANUSCRIPT

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

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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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