Author's Accepted Manuscript

WHOLE-BODY ANGULAR MOMENTUM DURING SLOPED WALKING USING PASSIVE AND POWERED LOWER-LIMB PROSTHESES

Nathaniel T. Pickle, Jason M. Wilken, Jennifer M. Aldridge Whitehead, Anne K. Silverman



www.elsevier.com/locate/ibiomech

PII: S0021-9290(16)30985-X

DOI: http://dx.doi.org/10.1016/j.jbiomech.2016.09.010

Reference: BM7874

To appear in: Journal of Biomechanics

Received date: 22 December 2015 Revised date: 31 August 2016 Accepted date: 7 September 2016

Cite this article as: Nathaniel T. Pickle, Jason M. Wilken, Jennifer M. Aldridge Whitehead and Anne K. Silverman, WHOLE-BODY ANGULAR MOMENTUM DURING SLOPED WALKING USING PASSIVE AND POWERED LOWER-LIMB PROSTHESES, *Journal of Biomechanics* http://dx.doi.org/10.1016/j.jbiomech.2016.09.010

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

ACCEPTED MANUSCRIPT

ORIGINAL ARTICLE

WHOLE-BODY ANGULAR MOMENTUM DURING SLOPED WALKING USING PASSIVE AND POWERED LOWER-LIMB PROSTHESES

Nathaniel T. Pickle¹, Jason M. Wilken², Jennifer M. Aldridge Whitehead², and Anne K. Silverman¹

¹Department of Mechanical Engineering Colorado School of Mines Golden, CO USA 80401

²Center for the Intrepid
Department of Orthopaedics and Rehabilitation
Brooke Army Medical Center
JBSA Ft. Sam Houston, TX USA 78234

Address correspondence to: Anne K. Silverman, Ph.D.

Department of Mechanical Engineering Colorado School of Mines 1500 Illinois Street Golden, CO 80401 asilverm@mines.edu

Tel: 303-384-2162 Fax: 303-273-3602

Keywords: Biomechanics, uphill, downhill, amputee, falls, dynamic balance

Word Count: 3985

Download English Version:

https://daneshyari.com/en/article/5032548

Download Persian Version:

https://daneshyari.com/article/5032548

<u>Daneshyari.com</u>