

Accepted Manuscript

Lumbar loads and trunk kinematics in people with a transtibial amputation during sit-to-stand

Jason A. Actis, Luis A. Nolasco, Deanna H. Gates, Anne K. Silverman

PII: S0021-9290(17)30743-1

DOI: <https://doi.org/10.1016/j.jbiomech.2017.12.030>

Reference: BM 8516

To appear in: *Journal of Biomechanics*

Accepted Date: 28 December 2017



Please cite this article as: J.A. Actis, L.A. Nolasco, D.H. Gates, A.K. Silverman, Lumbar loads and trunk kinematics in people with a transtibial amputation during sit-to-stand, *Journal of Biomechanics* (2018), doi: <https://doi.org/10.1016/j.jbiomech.2017.12.030>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final 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.

ORIGINAL ARTICLE

LUMBAR LOADS AND TRUNK KINEMATICS IN PEOPLE WITH A TRANSTIBIAL AMPUTATION DURING SIT-TO-STAND

¹Jason A. Actis, ²Luis A. Nolasco, ²Deanna H. Gates, and ¹Anne K. Silverman

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

²School of Kinesiology
University of Michigan
Ann Arbor, MI, USA 48109

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: 303-272-3602

Keywords: musculoskeletal modeling, spine, low back pain, below-knee amputation, biomechanics

Word Count: 3937

Abstract Word Count: 246

Download English Version:

<https://daneshyari.com/en/article/7236566>

Download Persian Version:

<https://daneshyari.com/article/7236566>

[Daneshyari.com](https://daneshyari.com)