

Accepted Manuscript

Reliability of assessing postural control during seated balancing using a physical human-robot interaction

Ahmed Ramadan, Jacek Cholewicki, Clark J. Radcliffe, John M. Popovich Jr., N. Peter Reeves, Jongeun Choi

PII: S0021-9290(17)30509-2

DOI: <https://doi.org/10.1016/j.jbiomech.2017.09.036>

Reference: BM 8395

To appear in: *Journal of Biomechanics*

Accepted Date: 25 September 2017



Please cite this article as: A. Ramadan, J. Cholewicki, C.J. Radcliffe, J.M. Popovich Jr., N. Peter Reeves, J. Choi, Reliability of assessing postural control during seated balancing using a physical human-robot interaction, *Journal of Biomechanics* (2017), doi: <https://doi.org/10.1016/j.jbiomech.2017.09.036>

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.

TITLE PAGE

Original Article**Reliability of assessing postural control during seated balancing using a physical human-robot interaction**

Ahmed Ramadan^{a,b}, Jacek Cholewicki^{b,c}, Clark J. Radcliffe^{a,b,c}, John M. Popovich Jr.^{b,c},
N. Peter Reeves^{b,c}, and Jongeun Choi^{b,d,*}

^a*Department of Mechanical Engineering, College of Engineering, Michigan State University, East Lansing, MI, USA*

^b*MSU Center for Orthopedic Research, College of Osteopathic Medicine, Michigan State University, Lansing, MI, USA*

^c*Department of Osteopathic Surgical Specialties, College of Osteopathic Medicine, Michigan State University, East Lansing, MI, USA*

^d*School of Mechanical Engineering, Yonsei University, Seoul, Republic of Korea*

Submitted to Journal of Biomechanics

Number of words: 2964

(excluding figures, tables, references, acknowledgement and conflict of interest)

Number of Figures: 6

Number of Tables: 6

* Corresponding author. Tel.: +82-2-2123-2813; fax: +82-2-312-2159.
E-mail address: jongeunchoi@yonsei.ac.kr.

Download English Version:

<https://daneshyari.com/en/article/7237093>

Download Persian Version:

<https://daneshyari.com/article/7237093>

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