

Accepted Manuscript

Use of mobile device accelerometry to enhance evaluation of postural instability in Parkinson's disease

Sarah J. Ozinga, PhD, Susan M. Linder, DPT, Jay L. Alberts, PhD

PII: S0003-9993(16)30985-6

DOI: [10.1016/j.apmr.2016.08.479](https://doi.org/10.1016/j.apmr.2016.08.479)

Reference: YAPMR 56673

To appear in: *ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION*

Received Date: 19 April 2016

Revised Date: 21 June 2016

Accepted Date: 29 August 2016

Please cite this article as: Ozinga SJ, Linder SM, Alberts JL, Use of mobile device accelerometry to enhance evaluation of postural instability in Parkinson's disease, *ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION* (2016), doi: 10.1016/j.apmr.2016.08.479.

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.



Accelerometry for Parkinson's balance

Use of mobile device accelerometry to enhance evaluation of postural instability in Parkinson's disease

Sarah J. Ozinga, PhD¹, Susan M. Linder, DPT^{1,3}, and Jay L. Alberts, PhD^{1,2,3}

¹Department of Biomedical Engineering, Cleveland Clinic, Cleveland, OH

²Center for Neurological Restoration, Cleveland Clinic, Cleveland, OH

³Cleveland Clinic Concussion Center, Cleveland Clinic, Cleveland, OH

Acknowledgement: The authors wish to thank Mike Buss, who led the development of the Cleveland Clinic Balance App, Mark Gustetic and David Schindler for assistance in data processing, and Anson Rosenfeldt for assistance in clinical testing.

Funding: This study was supported by R01NS073717-01 and the Farmer Foundation.

Conflict of Interest: The authors have authored intellectual property related to the methods described in this manuscript.

Correspondence to:

Jay L. Alberts, Ph.D.

Dept. of Biomedical Engineering

Center for Neurological Restoration

Cleveland Clinic Foundation

9500 Euclid Ave.

Cleveland, OH 44195

albertj@ccf.org

(216) 445-3222 (phone)

(216) 444-9198 (fax)

Download English Version:

<https://daneshyari.com/en/article/5677508>

Download Persian Version:

<https://daneshyari.com/article/5677508>

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