

Accepted Manuscript

Quantitative measures of walking and strength provide insight into brain corticospinal tract pathology in multiple sclerosis

Nora E Fritz, Jennifer Keller, Peter A Calabresi, Kathleen M Zackowski



PII: S2213-1582(17)30040-2
DOI: doi: [10.1016/j.nicl.2017.02.006](https://doi.org/10.1016/j.nicl.2017.02.006)
Reference: YNICL 950

To appear in: *NeuroImage: Clinical*

Received date: 22 November 2016
Revised date: 18 January 2017
Accepted date: 9 February 2017

Please cite this article as: Nora E Fritz, Jennifer Keller, Peter A Calabresi, Kathleen M Zackowski , Quantitative measures of walking and strength provide insight into brain corticospinal tract pathology in multiple sclerosis. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ynicl(2017), doi: [10.1016/j.nicl.2017.02.006](https://doi.org/10.1016/j.nicl.2017.02.006)

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.

Quantitative Measures of Walking and Strength Provide Insight into Brain Corticospinal Tract Pathology in Multiple Sclerosis

Nora E Fritz, PhD, PT, DPT, NCS^{1,2,3}

Jennifer Keller, MS, PT¹

Peter A Calabresi, MD, FAAN⁴

Kathleen M Zackowski, PhD, OT, MSCS^{1,2,4}

1. Motion Analysis Laboratory, Kennedy Krieger Institute, Baltimore, MD

2. Johns Hopkins School of Medicine, Department of Physical Medicine and Rehabilitation, Baltimore, MD

3. Wayne State University, Program in Physical Therapy and Department of Neurology, Detroit, MI

4. Johns Hopkins School of Medicine, Department of Neurology, Baltimore, MD

Corresponding Author:

Nora E. Fritz, PhD, PT, DPT, NCS

nora.fritz@wayne.edu

Wayne State University

259 Mack Avenue, Room 2324

Detroit, MI 48201, USA

Phone: (313) 577-1096

Fax: (313) 577-8685

Download English Version:

<https://daneshyari.com/en/article/8688720>

Download Persian Version:

<https://daneshyari.com/article/8688720>

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