

Accepted Manuscript



Giving Them a Hand: Wearing a Myoelectric Elbow-Wrist-Hand Orthosis Reduces Upper Extremity Impairment in Chronic Stroke

Heather T. Peters, MOT, OTR/L, Stephen J. Page, PhD, OTR/L, MS, FAHA, FACRM, FAOTA, Andrew Persch, PhD, OTR/L, BCP

PII: S0003-9993(17)30026-6

DOI: [10.1016/j.apmr.2016.12.016](https://doi.org/10.1016/j.apmr.2016.12.016)

Reference: YAPMR 56775

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

Received Date: 25 August 2016

Revised Date: 15 December 2016

Accepted Date: 21 December 2016

Please cite this article as: Peters HT, Page SJ, Persch A, Giving Them a Hand: Wearing a Myoelectric Elbow-Wrist-Hand Orthosis Reduces Upper Extremity Impairment in Chronic Stroke, *ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION* (2017), doi: 10.1016/j.apmr.2016.12.016.

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.

1

1 Running Head: myoelectric orthosis

2

3

Giving Them a Hand:

4

Wearing a Myoelectric Elbow-Wrist-Hand Orthosis Reduces Upper Extremity

5

Impairment in Chronic Stroke

6

Heather T. Peters, MOT, OTR/L^{1,2}, Stephen J. Page, PhD, OTR/L, MS, FAHA, FACRM

7

FAOTA^{1,2}; Andrew Persch, PhD, OTR/L, BCP¹

8

9

¹The Ohio State University Division of Occupational Therapy

10

²B.R.A.I.N. Laboratory (Better Rehabilitation and Assessment for Improved Neuro-

11

recovery); Ohio State University

12

13

Funding: This work was supported by a grant from Myomo, Inc.

14

15

Conflicts of Interest: All authors have provided consultation services to Myomo, Inc.

16

Acknowledgments: Jonathon Naft, CPO provided technical support and consultation on

17

study design.

18

Address for correspondence and reprints: Heather T. Peters, MOT, OTR/L, The Ohio

19

State University Medical Center, 453 West Tenth Avenue, Suite 443, Columbus, OH

20

43210. E-mail: heather.tanksley@osumc.edu, Phone: 614-685-1964

21

Download English Version:

<https://daneshyari.com/en/article/5677414>

Download Persian Version:

<https://daneshyari.com/article/5677414>

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