

Accepted Manuscript

Improving the test-retest and inter-rater reliability for stretch reflex measurements using an isokinetic device in stroke patients with mild to moderate elbow spasticity

Minki Sin, Won-Seok Kim, Kyujin Cho, Sungmin Cho, Nam-Jong Paik

PII: S1050-6411(17)30433-9

DOI: <https://doi.org/10.1016/j.jelekin.2018.01.012>

Reference: JJEK 2162

To appear in: *Journal of Electromyography and Kinesiology*

Received Date: 5 November 2017

Revised Date: 5 January 2018

Accepted Date: 29 January 2018

Please cite this article as: M. Sin, W-S. Kim, K. Cho, S. Cho, N-J. Paik, Improving the test-retest and inter-rater reliability for stretch reflex measurements using an isokinetic device in stroke patients with mild to moderate elbow spasticity, *Journal of Electromyography and Kinesiology* (2018), doi: <https://doi.org/10.1016/j.jelekin.2018.01.012>

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.



Improving the test-retest and inter-rater reliability for stretch reflex measurements using an isokinetic device in stroke patients with mild to moderate elbow spasticity

Minki Sin a,1, Won-Seok Kim b,1, Kyujin Cho a, Sungmin Cho b, Nam-Jong Paik b, *

a School of Mechanical and Aerospace Engineering, Seoul National University/IAMD, Seoul, Korea

b Department of Rehabilitation Medicine, Seoul National University College of Medicine and Seoul National University Bundang Hospital, Seongnam, Korea

1 These authors were equally contributed to the study and preparation of the manuscript.

* Corresponding author: Nam-Jong Paik, MD, PhD.

Department of Rehabilitation Medicine, Seoul National University College of Medicine, Seoul National University Bundang Hospital, 82, Gumi-ro 173 Beon-gil, Bundang-gu, Seongnam 463-707, Korea

Tel: +82-31-787-7731 Fax: +82-31-712-3913 E-mail: njpaik@snu.ac.kr

Disclosure: This study was supported by the Seoul National University Bundang Hospital Research Fund (02-2012-052), Korea and National Research Foundation of Korea (NRF) Grant funded by the Korean Government (A100249). Authors declare no conflicts of interest except the grant.

Keywords: Stroke, Muscle Spasticity, Stretch reflex, Isokinetic, Reliability,

Download English Version:

<https://daneshyari.com/en/article/8799800>

Download Persian Version:

<https://daneshyari.com/article/8799800>

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