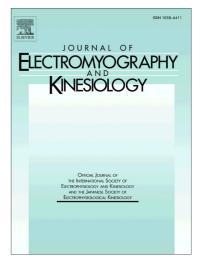
Accepted Manuscript

The influence of digital filter type, amplitude normalisation method and cocontraction algorithm on clinically relevant surface electromyography data during clinical movement assessments

Daniel Devaprakash, Gillian J. Weir, James J. Dunne, Jacqueline A. Alderson, Cyril J. Donnelly

PII:	S1050-6411(16)30229-2
DOI:	http://dx.doi.org/10.1016/j.jelekin.2016.10.001
Reference:	JJEK 2022
To appear in:	Journal of Electromyography and Kinesiology
Received Date:	5 December 2015
Revised Date:	16 September 2016
Accepted Date:	10 October 2016



Please cite this article as: D. Devaprakash, G.J. Weir, J.J. Dunne, J.A. Alderson, C.J. Donnelly, The influence of digital filter type, amplitude normalisation method and co-contraction algorithm on clinically relevant surface electromyography data during clinical movement assessments, *Journal of Electromyography and Kinesiology* (2016), doi: http://dx.doi.org/10.1016/j.jelekin.2016.10.001

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.

ACCEPTED MANUSCRIPT

Title: The influence of digital filter type, amplitude normalisation method and cocontraction algorithm on clinically relevant surface electromyography data during clinical movement assessments.

Authors: Daniel Devaprakash (B.Tech)¹, Gillian J. Weir (BSc. Hons)¹, James J. Dunne (BSc. Hons)², Jacqueline A. Alderson (PhD)¹, Cyril J. Donnelly (PhD)^{1*}

Affiliations: ¹ M408, School of Sport Science, Exercise and Health, the University of Western Australia, Crawley, Perth, Western Australia 6009; ² 318 Campus Drive, Department of Bioengineering, Stanford University, Stanford CA 94305, USA

*Corresponding Author: Assistant Professor Cyril J. Donnelly School of Sport Science, Exercise and Health, The University of Western Australia, Perth, Western Australia, Phone: +61 8 6488 3919, Facsimile: +61 8 6488 1039, Email: cyril.donnelly@uwa.edu.au

CCE

Download English Version:

https://daneshyari.com/en/article/8799849

Download Persian Version:

https://daneshyari.com/article/8799849

Daneshyari.com