Author's Accepted Manuscript

The effects of body-borne loads and cadence manipulation on patellofemoral and tibiofemoral joint kinetics during running

Richard W. Willy, John D. Willson, Kara Clowers, Michael Baggaley, Nicholas Murray



www.elsevier.com/locate/jbiomech

PII: S0021-9290(16)31144-7

DOI: http://dx.doi.org/10.1016/j.jbiomech.2016.10.043

Reference: BM7953

To appear in: Journal of Biomechanics

Accepted date: 25 October 2016

Cite this article as: Richard W. Willy, John D. Willson, Kara Clowers, Michael Baggaley and Nicholas Murray, The effects of body-borne loads and cadence manipulation on patellofemoral and tibiofemoral joint kinetics during running *Journal of Biomechanics*, http://dx.doi.org/10.1016/j.jbiomech.2016.10.043

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable 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

The effects of body-borne loads and cadence manipulation on patellofemoral and

tibiofemoral joint kinetics during running

Richard W. Willy, PhD, PT¹, John D. Willson, PhD, PT¹ Kara Clowers, DPT¹ Michael

Baggaley, MS¹, Nicholas Murray, PhD²

¹Department of Physical Therapy, East Carolina University, Greenville, NC, USA.

²Department of Kinesiology, East Carolina University, Greenville, NC, USA

Key words: knee, biomechanics, musculoskeletal model, military, load carriage

Article type: Original

Word count: 3,500 words. Abstract length: 249 words

Compliance with Ethical Standards:

The authors have no declared conflicts of interest and there are no disclosures of

professional relationships with companies or manufacturers who may/will benefit from

the results of this present study. Written and verbal consent was obtained from all

participants prior to enrollment in this investigation. Prior to initiation of this study, the

research protocol was approved by the East Carolina University Human Subjects

Research Board.

Corresponding author:

Richard Willy

Assistant Professor

Department of Physical Therapy

College of Allied Health Sciences

East Carolina University Greenville, NC 27834

Fax: 252-744-6240:

willyr@ecu.edu

Download English Version:

https://daneshyari.com/en/article/5032309

Download Persian Version:

https://daneshyari.com/article/5032309

<u>Daneshyari.com</u>