

Accepted Manuscript

Does the intensity of daily walking matter for protecting against the development of a slow gait speed in people with or at high risk of Knee Osteoarthritis? An observational study

Sally AM. Fenton, Tuhina Neogi, Dorothy Dunlop, Michael Nevitt, Michael Doherty, Joan L. Duda, Rainer Klocke, Abhishek Abhishek, Alison Rushton, Weiya Zhang, Cora E. Lewis, James Torner, George Kitas, Daniel K. White

PII: S1063-4584(18)31227-5

DOI: [10.1016/j.joca.2018.04.015](https://doi.org/10.1016/j.joca.2018.04.015)

Reference: YJOCA 4225

To appear in: *Osteoarthritis and Cartilage*

Received Date: 29 January 2018

Revised Date: 12 April 2018

Accepted Date: 20 April 2018

Please cite this article as: Fenton SA, Neogi T, Dunlop D, Nevitt M, Doherty M, Duda JL, Klocke R, Abhishek A, Rushton A, Zhang W, Lewis CE, Torner J, Kitas G, White DK, for the Multicenter Osteoarthritis Group, Does the intensity of daily walking matter for protecting against the development of a slow gait speed in people with or at high risk of Knee Osteoarthritis? An observational study, *Osteoarthritis and Cartilage* (2018), doi: 10.1016/j.joca.2018.04.015.

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 **Does the intensity of daily walking matter for protecting against the**
2 **development of a slow gait speed in people with or at high risk of Knee**
3 **Osteoarthritis? An observational study**
4

5 Sally A M Fenton^{1,2}, Tuhina Neogi³, Dorothy Dunlop⁴, Michael Nevitt⁵, Michael
6 Doherty⁶, Joan L Duda¹, Rainer Klocke², Abhishek Abhishek⁶, Alison Rushton¹,
7 Weiya Zhang⁶, Cora E Lewis⁷, James Torner⁸, George Kitas^{1,2} and Daniel K. White⁹,
8 for the Multicenter Osteoarthritis Group
9

10 ¹School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham,
11 England, UK

12 ²Department of Rheumatology, Russells Hall Hospital, Dudley Group of Hospitals
13 NHS Foundation Trust, England, UK

14 ³Clinical Epidemiology Research and Training Unit, Boston University Medical
15 Center, Boston, MA, USA

16 ⁴Center for Healthcare Studies and Division of Rheumatology, Department of
17 Medicine, Northwestern University Feinberg School of Medicine, Chicago, Illinois.

18 ⁵University of California San Francisco, San Francisco, CA, USA

19 ⁶Faculty of Medicine and Health Sciences, University of Nottingham, England, UK

20 ⁷University of Alabama at Birmingham, Birmingham, AL, USA

21 ⁸University of Iowa, Iowa City, IA, USA

22 ⁹Department of Physical Therapy, University of Delaware, Newark, DE, USA
23

24 **Corresponding author:** Sally Fenton - School of Sport, Exercise and Rehabilitation
25 Sciences, University of Birmingham, England, UK. Email: s.a.m.fenton@bham.ac.uk.
26 Tel: 0121 414 7674.
27

28 **Co-author contact:**

29 Tuhina Neogi - tneogi@bu.edu, Dorothy Dunlop - ddunlop@northwestern.edu,
30 Michael Nevitt - MNe vitt@psg.ucsf.edu, Michael Doherty -
31 Michael.Doherty@nottingham.ac.uk, Joan L Duda - j.l.duda@bham.ac.uk, Rainer
32 Klocke - Rainer.Klocke@dgh.nhs.uk, Abhishek Abhishek - docabhishek@gmail.com,
33 Alison Rushton - A.B.Rushton@bham.ac.uk, Weiya Zhang -
34 Weiya.Zhang@nottingham.ac.uk, Cora E Lewis - celewis@uabmc.edu, James
35 Torner - james-torner@uiowa.edu, George Kitas - kitas@dgh.nhs.uk, Daniel K. White
36 - dkw@udel.edu
37 for the Multicenter Osteoarthritis Group - MOSTPublications@psg.ucsf.edu
38

39 **Running headline:** Walking intensity and gait speed in OA

40 **Word count:** 3388
41
42

Download English Version:

<https://daneshyari.com/en/article/8741522>

Download Persian Version:

<https://daneshyari.com/article/8741522>

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