

## Accepted Manuscript

Title: Tibial rotation in running: does rearfoot adduction matter?

Author: Katina Mira Fischer Steffen Willwacher Joseph Hamill Gert-Peter Brüggemann



PII: S0966-6362(16)30618-X  
DOI: <http://dx.doi.org/doi:10.1016/j.gaitpost.2016.10.015>  
Reference: GAIPOS 5194

To appear in: *Gait & Posture*

Received date: 14-9-2016  
Revised date: 19-10-2016  
Accepted date: 23-10-2016

Please cite this article as: Fischer Katina Mira, Willwacher Steffen, Hamill Joseph, Brüggemann Gert-Peter. Tibial rotation in running: does rearfoot adduction matter?. *Gait and Posture* <http://dx.doi.org/10.1016/j.gaitpost.2016.10.015>

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.

## Tibial rotation in running: does rearfoot adduction matter?

Fischer KM<sup>a</sup>, Willwacher S<sup>a</sup>, Hamill J<sup>b</sup>, Brüggemann GP<sup>a</sup>

<sup>a</sup> *Institute of Biomechanics and Orthopaedics, German Sport University, Cologne, Germany*

<sup>b</sup> *Biomechanics Laboratory, Department of Exercise Science, University of Massachusetts Amherst*

### Authors

*Fischer, Katina Mira*, Dipl. sport science, phd student, Institute of Biomechanics and Orthopaedics, German Sport University Cologne, Am Sportpark Müngersdorf 6, 50933 Cologne, Germany. Phone: +49 (0)221 49827660, Fax: +49 (0)221 4971598, Email: k.fischer@dshs-koeln.de\_

*Willwacher, Steffen*, Dr., Institute of Biomechanics and Orthopaedics, German Sport University Cologne, Am Sportpark Müngersdorf 6, 50933 Cologne, Germany. Phone: +49 (0)221 49827662, Email: s.willwacher@dshs-koeln.de\_

*Hamill, Joseph*, Prof., Department of Kinesiology, University of Massachusetts, 23 Totman Building, Amherst, MA 01003. Phone: 413-545-2245, Email: jhamill@kin.umass.edu.

*Brüggemann, Gert –Peter*, Prof. Dr., Head of Institute of Biomechanics and Orthopaedics, German Sport University Cologne, Am Sportpark Müngersdorf 6, 50933 Cologne, Germany. Phone: +49 (0)221 49825660, Fax: +49 (0)221 4971598, Email: brueggemann@dshs-koeln.de\_

**Key Words** Joint Coupling; Calcaneal Adduction; Ankle Joint; Running Mechanics; Running Injuries

Word count: 2999

Download English Version:

<https://daneshyari.com/en/article/8798718>

Download Persian Version:

<https://daneshyari.com/article/8798718>

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