

## Accepted Manuscript

Achilles tendon stress is more sensitive to subject-specific geometry than subject-specific material properties: a finite element analysis

Wencke Hansen, Steven Obst, Richard Newsham-West, Rod S. Barrett, Vickie B. Shim

PII: S0021-9290(17)30132-X

DOI: <http://dx.doi.org/10.1016/j.jbiomech.2017.02.031>

Reference: BM 8151

To appear in: *Journal of Biomechanics*

Accepted Date: 26 February 2017



Please cite this article as: W. Hansen, S. Obst, R. Newsham-West, R.S. Barrett, V.B. Shim, Achilles tendon stress is more sensitive to subject-specific geometry than subject-specific material properties: a finite element analysis, *Journal of Biomechanics* (2017), doi: <http://dx.doi.org/10.1016/j.jbiomech.2017.02.031>

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.

**Title page**

**Achilles tendon stress is more sensitive to subject-specific geometry than subject-specific material properties: a finite element analysis.**

Original Article

Wencke Hansen (1), Steven Obst (1), Richard Newsham-West (1), Rod S. Barrett (1), Vickie B. Shim (1,2)

1) Menzies Health Institute Queensland, Griffith University, Gold Coast campus, Australia

2) Auckland Bioengineering Institute, University of Auckland, Auckland, New Zealand

Keywords: stress, strain, material properties, morphology, Achilles tendon, finite element modelling, subject specificity

Manuscript length: 3274 words

Corresponding author: Vickie Shim

School of Allied Health Sciences & Menzies Health Institute Queensland

Griffith University, Gold Coast campus, Queensland, 4222, Australia

Email: v.shim@auckland.ac.nz

Phone: +64-9-373-7599 Ext. 86932, Fax: +64-9-367-7157

Conflicts of Interest: The authors have no conflicts of interest related to this study.

**Abstract**

Download English Version:

<https://daneshyari.com/en/article/5032053>

Download Persian Version:

<https://daneshyari.com/article/5032053>

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