Accepted Manuscript

New approaches for cement-based prophylactic augmentation of the osteoporotic proximal femur provide enhanced reinforcement as predicted by non-linear finite element simulations

Peter Varga, Jason A. Inzana, Jakob Schwiedrzik, Philippe K. Zysset, Boyko Gueorguiev, Michael Blauth, Markus Windolf

PII: S0268-0033(17)30059-1

DOI: doi: 10.1016/j.clinbiomech.2017.03.001

Reference: JCLB 4297

To appear in: Clinical Biomechanics

Received date: 9 May 2016 Accepted date: 1 March 2017

Please cite this article as: Peter Varga, Jason A. Inzana, Jakob Schwiedrzik, Philippe K. Zysset, Boyko Gueorguiev, Michael Blauth, Markus Windolf, New approaches for cement-based prophylactic augmentation of the osteoporotic proximal femur provide enhanced reinforcement as predicted by non-linear finite element simulations. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jclb(2017), doi: 10.1016/j.clinbiomech.2017.03.001

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

New approaches for cement-based prophylactic augmentation of the osteoporotic proximal femur provide enhanced reinforcement as predicted by non-linear finite element simulations

Peter Varga^{1,*}, Jason A. Inzana¹, Jakob Schwiedrzik², Philippe K. Zysset², Boyko Gueorguiev¹, Michael Blauth³, Markus Windolf¹

Peter Varga, PhD

Biomedical Services

AO Research Institute Davos

Clavadelerstrasse 8

7270 Davos Platz, Switzerland

Email: peter.varga@aofoundation.org

Submitted as Research Paper

Number of words in abstract: 250

Number of words in manuscript (Intro - Discussion): 3878

Number of figures: 5

Number of tables: 2

¹ AO Research Institute Davos, Switzerland

² Institute of Surgical Technology and Biomechanics, University of Bern, Switzerland

³ Department for Trauma Surgery, Medical University Innsbruck, Austria

^{*} Corresponding author

Download English Version:

https://daneshyari.com/en/article/5706983

Download Persian Version:

https://daneshyari.com/article/5706983

<u>Daneshyari.com</u>