www.elsevier.com/locate/jbiomech

Identification of elastic properties of human patellae using micro finite element analysis

Adeliya Latypova, Ghislain Maquer, Kaliyaperumal Elankumaran, Dieter Pahr, Philippe Zysset, Dominique P. Pioletti, Alexandre Terrier

PII: S0021-9290(16)30816-8
DOI: http://dx.doi.org/10.1016/j.jbiomech.2016.07.031
Reference: BM7821

To appear in: *Journal of Biomechanics*

Received date: 2 March 2016
Revised date: 22 July 2016
Accepted date: 26 July 2016

Cite this article as: Adeliya Latypova, Ghislain Maquer, Kaliyaperuma Elankumaran, Dieter Pahr, Philippe Zysset, Dominique P. Pioletti and Alexandre Terrier, Identification of elastic properties of human patellae using micro finite element analysis, *Journal of Biomechanics* http://dx.doi.org/10.1016/j.jbiomech.2016.07.031

Identification of elastic properties of human patellae using micro finite element analysis

Adeliya Latypova[1], Ghislain Maquer[2], Kaliyaperumal Elankumaran[3], Dieter Pahr[3], Philippe Zysset[2], Dominique P. Pioletti[1], Alexandre Terrier[1]

1) Laboratory of Biomechanical Orthopedics, EPFL, Lausanne, Switzerland

2) Institute for Surgical Technology and Biomechanics, UniBe, Bern, Switzerland

3) Institute of Lightweight Design and Structural Biomechanics, TUWien, Vienna, Austria

Corresponding author
Alexandre Terrier, PhD
Laboratory of Biomechanical Orthopedics
Ecole Polytechnique Fédérale de Lausanne
Station 19
1015 Lausanne
Switzerland
Phone: +41 21 693 9994
Fax: +41 21 693 8660
Email: alexandre.terrier@epfl.ch

Article type: Short communication

Word count: 2058

Keywords: Patella; Bone Mechanics; Trabecular Anisotropy; Finite Element Analysis