

Author's Accepted Manuscript

Bone cell mechanosensitivity, estrogen deficiency, and osteoporosis

J. Klein-Nulend, R.F.M. van Oers, A.D. Bakker, R. G. Bacabac



PII: S0021-9290(14)00661-7
DOI: <http://dx.doi.org/10.1016/j.jbiomech.2014.12.007>
Reference: BM6918

To appear in: *Journal of Biomechanics*

Accepted date: 26 November 2014

Cite this article as: J. Klein-Nulend, R.F.M. van Oers, A.D. Bakker, R.G. Bacabac, Bone cell mechanosensitivity, estrogen deficiency, and osteoporosis, *Journal of Biomechanics*, <http://dx.doi.org/10.1016/j.jbiomech.2014.12.007>

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 galley proof before it is published in its final citable 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.

BONE CELL MECHANOSENSITIVITY, ESTROGEN DEFICIENCY, AND OSTEOPOROSIS

J. Klein-Nulend¹, R.F.M. van Oers^{1,2}, A.D. Bakker¹, R.G. Bacabac³

¹ Department of Oral Cell Biology, ACTA-University of Amsterdam and VU University
Amsterdam, MOVE Research Institute Amsterdam, Amsterdam, The Netherlands

² Department of Dental Materials Science, ACTA-University of Amsterdam and VU University
Amsterdam, MOVE Research Institute Amsterdam, Amsterdam, The Netherlands

³ Department of Physics, Medical Biophysics Group, University of San Carlos, Cebu City,
Philippines

Corresponding author:

Jenneke Klein-Nulend, PhD

Department of Oral Cell Biology

ACTA-VU University Amsterdam

MOVE Research Institute Amsterdam

Amsterdam, The Netherlands

tel +31 20 5980881

fax +31 20 5980333

email j.kleinnulend@acta.nl

Key words:

Mechanical loading; Osteocytes; Estrogen deficiency; Osteoporosis; Computer simulation

Download English Version:

<https://daneshyari.com/en/article/10431598>

Download Persian Version:

<https://daneshyari.com/article/10431598>

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