

## Accepted Manuscript

Bone matrix microdamage and vascular changes characterize bone marrow lesions in the subchondral bone of knee osteoarthritis

Dzenita Muratovic, David M. Findlay, Flavia M. Cicuttini, Anita E. Wluka, Yea-Rin Lee, Julia S. Kuliwaba



PII: S8756-3282(18)30012-7  
DOI: <https://doi.org/10.1016/j.bone.2018.01.012>  
Reference: BON 11530  
To appear in: *Bone*  
Received date: 3 August 2017  
Revised date: 6 December 2017  
Accepted date: 9 January 2018

Please cite this article as: Dzenita Muratovic, David M. Findlay, Flavia M. Cicuttini, Anita E. Wluka, Yea-Rin Lee, Julia S. Kuliwaba, Bone matrix microdamage and vascular changes characterize bone marrow lesions in the subchondral bone of knee osteoarthritis. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Bone*(2017), <https://doi.org/10.1016/j.bone.2018.01.012>

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.

## **Bone Matrix Microdamage and Vascular Changes Characterize Bone Marrow Lesions in the Subchondral Bone of Knee Osteoarthritis**

<sup>1,2</sup>Dzenita Muratovic, <sup>1</sup>David M. Findlay, <sup>3</sup>Flavia M. Cicuttini, <sup>3</sup>Anita E. Wluka, <sup>1,2</sup>Yea-Rin Lee, <sup>1,2</sup>Julia S. Kuliwaba.

### **Institutes**

<sup>1</sup>Discipline of Orthopaedics and Trauma, The University of Adelaide, Adelaide, Australia.

<sup>2</sup>Bone and Joint Research Laboratory, SA Pathology, Adelaide, Australia.

<sup>3</sup>Department of Epidemiology and Preventive Medicine, Monash University, Melbourne, Australia.

e-mails:

dzenita.muratovic@adelaide.edu.au

david.findlay@adelaide.edu.au

flavia.cicuttini@monash.edu

anita.wluka@monash.edu

olivia.lee@sa.gov.au

julia.kuliwaba@adelaide.edu.au

Corresponding author:

Dzenita Muratovic

Discipline of Orthopaedics and Trauma

Level 7, Adelaide Health & Medical Sciences Building,

Corner North Terrace & George Street, Adelaide, South Australia 5000

Tel: +61 431286068

Email: dzenita.muratovic@adelaide.edu.au

Download English Version:

<https://daneshyari.com/en/article/8625147>

Download Persian Version:

<https://daneshyari.com/article/8625147>

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