## Accepted Manuscript

Title: 3D visualization and pathological characteristics of cartilage and subchondral bone changes in the lumbar facet joint of an ovariectomized mouse model

Author: Chunyue Duan, Shuangfei Ni, Yong Cao, Shenghui Liao, Jianzhong Hu, Tianding Wu

PII: S1529-9430(17)31158-0

DOI: https://doi.org/10.1016/j.spinee.2017.11.009

Reference: SPINEE 57541

To appear in: The Spine Journal

Received date: 31-7-2017 Revised date: 28-10-2017 Accepted date: 7-11-2017



Please cite this article as: Chunyue Duan, Shuangfei Ni, Yong Cao, Shenghui Liao, Jianzhong Hu, Tianding Wu, 3D visualization and pathological characteristics of cartilage and subchondral bone changes in the lumbar facet joint of an ovariectomized mouse model, *The Spine Journal* (2017), https://doi.org/10.1016/j.spinee.2017.11.009.

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**

1	3D visualization and pathological characteristics of cartilage and subchondral
2	bone changes in the lumbar facet joint of an Ovariectomized mouse model
3	
4	
5	Chunyue Duan,MD, PhD*a,c, Shuangfei Ni,MDa,c, Yong Cao,MDa,c, Shenghui Liao,
6	PhD <sup>b</sup> , Jianzhong Hu, MD,PhD <sup>a,c</sup> , Tianding Wu, MD,PhD* <sup>a,c</sup>
7	
8	<sup>a</sup> Department of Spine Surgery, Xiangya Hospital, Central South University,
9	Changsha, 410008, China.
10	<sup>b</sup> School of Information Science and Engineering, Central South University, Changsha,
11	410008, China
12	<sup>c</sup> The Key Laboratory of Organ Damage, Aging and Reproductive Medicine of Hunan
13	Province, Changsha, Hunan, PR China
14	
15	
16	
17	*Co-corresponding authors
18	Tel.: 86-731-89753112 Fax: 86-731-84327332
19	E-Mail addresses:
20	Tianding wu:tiandingwu@hotmail.com
21	Chunyue Duan: <a href="mailto:chunyueduan163@163.com">chunyueduan163@163.com</a>
22	
23	Chunyue Duan, Shuangfei Ni and Yong Cao are co-first authors and contribute
24	equally to this work.
25	
26	Acknowledgements:
27	This work was performed at the SSRF BL13W1, Shanghai, China, and supported by
28	the National
29	Natural Science Foundation of China (Nos 81301522, 81371956, 81301542) and
30	Hunan

## Download English Version:

## https://daneshyari.com/en/article/8804488

Download Persian Version:

https://daneshyari.com/article/8804488

<u>Daneshyari.com</u>