Accepted Manuscript

Effects of Reproduction on Sexual Dimorphisms in Rat Bone Mechanics

Chantal M.J. de Bakker, Hongbo Zhao, Wei-Ju Tseng, Yihan Li, Allison R. Altman-Singles, Yang Liu, Laurel Leavitt, X. Sherry Liu

PII: S0021-9290(18)30454-8

DOI: https://doi.org/10.1016/j.jbiomech.2018.06.023

Reference: BM 8761

To appear in: Journal of Biomechanics

Received Date: 18 December 2017

Revised Date: 7 June 2018 Accepted Date: 19 June 2018



Please cite this article as: C.M.J. de Bakker, H. Zhao, W-J. Tseng, Y. Li, A.R. Altman-Singles, Y. Liu, L. Leavitt, X. Sherry Liu, Effects of Reproduction on Sexual Dimorphisms in Rat Bone Mechanics, *Journal of Biomechanics* (2018), doi: https://doi.org/10.1016/j.jbiomech.2018.06.023

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

Effects of Reproduction on Sexual Dimorphisms in Rat Bone Mechanics

Chantal M. J. de Bakker (chantald@seas.upenn.edu) ¹, Hongbo Zhao (zhhongbo@pennmedicine.upenn.edu) ^{1,2}, Wei-Ju Tseng (weits@pennmedicine.upenn.edu) ¹, Yihan Li (yihanl@seas.upenn.edu) ¹, Allison R. Altman-Singles (ara5093@psu.edu) ^{1,3}, Yang Liu (liuyang2@upenn.edu) ^{1,4}, Laurel Leavitt (leavittl@seas.upenn.edu) ¹, and X. Sherry Liu (xiaoweil@pennmedicine.upenn.edu) ^{1*}

¹ McKay Orthopaedic Research Laboratory, Department of Orthopaedic Surgery, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, United States

² Key Laboratory of Biorheological Science and Technology, Ministry of Education and Bioengineering College, Chongqing University, Chongqing, China

China

*To whom correspondence should be addressed X. Sherry Liu McKay Orthopaedic Research Laboratory Department of Orthopaedic Surgery University of Pennsylvania 426C Stemmler Hall, 36th Street and Hamilton Walk Philadelphia, PA 19104, USA Email: xiaoweil@pennmedicine.upenn.edu Phone: 1-215-746-4668

Conflict of Interest:

The authors declare that they have no conflict of interest.

Number of words in abstract: 256 Number of words in manuscript: 4000

Number of tables: 1 Number of figures: 4

³ Pennsylvania State University, Berks Campus, Reading, PA, United States

⁴ Department of Orthodontics, Peking University School and Hospital of Stomatology, Beijing,

Download English Version:

https://daneshyari.com/en/article/7235572

Download Persian Version:

https://daneshyari.com/article/7235572

<u>Daneshyari.com</u>