Accepted Manuscript

Is bone density associated with intervertebral disc pressure in healthy and degenerated discs?

Paul M. Fein, Alexander DelMonaco, Timothy M. Jackman, Cameron Curtiss, Ali Guermazi, Glenn D. Barest, Elise F. Morgan

PII: S0021-9290(17)30456-6

DOI: http://dx.doi.org/10.1016/j.jbiomech.2017.08.033

Reference: BM 8359

To appear in: Journal of Biomechanics

Received Date: 19 May 2017 Revised Date: 25 August 2017 Accepted Date: 27 August 2017



Please cite this article as: P.M. Fein, A. DelMonaco, T.M. Jackman, C. Curtiss, A. Guermazi, G.D. Barest, E.F. Morgan, Is bone density associated with intervertebral disc pressure in healthy and degenerated discs?, *Journal of Biomechanics* (2017), doi: http://dx.doi.org/10.1016/j.jbiomech.2017.08.033

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

Is bone density associated with intervertebral disc pressure in healthy and degenerated discs?

Paul M. Fein, M.S.^{a*}, Alexander DelMonaco, M.S.^{a*}, Timothy M. Jackman, Ph.D.^b, Cameron Curtiss^b, Ali Guermazi, M.D., Ph.D.^c, Glenn D. Barest, M.D.^c, Elise F. Morgan, Ph.D.^{a,b}

- ^a Department of Mechanical Engineering, Boston University, Boston, MA 02215 USA
- ^b Department of Biomedical Engineering, Boston University, Boston, MA 02215 USA
- ^c Department of Radiology, Boston University School of Medicine, Boston, MA 02118 USA
- * These authors contributed equally.

Corresponding Author
Elise F. Morgan
Department of Mechanical Engineering
Boston University
110 Cummington Mall
Boston, MA 02215
efmorgan@bu.edu
phone: 617-353-2791

Keywords: disc degeneration; vertebra; endplate; intervertebral disc; nucleus pulposus, annulus fibrosus; glycosaminoglycan; disc space narrowing; computed tomography

Word count: 4063

fax: 617-353-5866

Download English Version:

https://daneshyari.com/en/article/7237003

Download Persian Version:

https://daneshyari.com/article/7237003

<u>Daneshyari.com</u>