Author's Accepted Manuscript

Compressive cyclic ratcheting and fatigue of synthetic, soft biomedical polymers in solution

Andrew T. Miller, David L. Safranski, Kathryn E. Smith, Robert E. Guldberg, Ken Gall



www.elsevier.com/locate/jmbbm

PII: S1751-6161(15)00371-9

DOI: http://dx.doi.org/10.1016/j.jmbbm.2015.09.034

Reference: JMBBM1639

To appear in: Journal of the Mechanical Behavior of Biomedical Materials

Received date: 17 July 2015

Revised date: 24 September 2015 Accepted date: 29 September 2015

Cite this article as: Andrew T. Miller, David L. Safranski, Kathryn E. Smith Robert E. Guldberg and Ken Gall, Compressive cyclic ratcheting and fatigue o synthetic, soft biomedical polymers in solution, *Journal of the Mechanica Behavior of Biomedical Materials* http://dx.doi.org/10.1016/j.jmbbm.2015.09.034

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o 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

ACCEPTED MANUSCR

Compressive cyclic ratcheting and fatigue of synthetic, soft biomedical polymers in solution

Andrew T. Miller*a, David L. Safranski^d, Kathryn E. Smith^d, Robert E. Guldberg^{a,b}, Ken Gall^{c,d}

^aParker H. Petit Institute for Bioengineering and Bioscience, 315 Ferst Drive, Georgia Institute

of Technology, Atlanta, GA 30332

^bGeorge W. Woodruff School of Mechanical Engineering, 801 Ferst Drive, Georgia Institute of

Technology, Atlanta, GA 30332

^cSchool of Mechanical Engineering and Materials Science, Duke University, Box 90300 Hudson

Hall, Durham, NC 27708

^dMedShape, Inc., 1575 Northside Drive, NW, Suite 440, Atlanta, GA 30318

*Corresponding Author

Contact Information:

Miller: ATM@gatech.edu

678-469-0395

Safranski: david.safranski@medshape.com

Smith: kathryn.smith@medshape.com

Guldberg: robert.guldberg@ibb.gatech.edu

Gall: ken.gall@duke.edu

1

Download English Version:

https://daneshyari.com/en/article/7208277

Download Persian Version:

https://daneshyari.com/article/7208277

<u>Daneshyari.com</u>