### Author's Accepted Manuscript

Predictive capabilities of various constitutive models for arterial tissue

Florian Schroeder, Stanislav Polzer, Martin Slažanský, Vojtěch Man, Pavel Skácel



 PII:
 S1751-6161(17)30519-2

 DOI:
 http://dx.doi.org/10.1016/j.jmbbm.2017.11.035

 Reference:
 JMBBM2592

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

Received date:14 July 2017Revised date:9 November 2017Accepted date:20 November 2017

Cite this article as: Florian Schroeder, Stanislav Polzer, Martin Slažanský Vojtěch Man and Pavel Skácel, Predictive capabilities of various constitutive models for arterial tissue, *Journal of the Mechanical Behavior of Biomedica Materials*, http://dx.doi.org/10.1016/j.jmbbm.2017.11.035

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

## Predictive capabilities of various constitutive models for arterial tissue

Florian Schroeder<sup>a,b</sup> and Stanislav Polzer<sup>c,d</sup>\*, Martin Slažanský<sup>c</sup>, Vojtěch Man<sup>c</sup> and Pavel Skácel<sup>c</sup>

<sup>a</sup>Department of Biofluid Mechanics, Technical University of applied Sciences (OTH) Regensburg, Germany

<sup>b</sup>Regensburg Center of Biomedical Engineering (RCBE), OTH and Universität Regensburg, Germany

<sup>c</sup>Institute of Solid Mechanics, Mechatronics and Biomechanics, Brno University of Technology, Czech Republic

<sup>d</sup>Department of Applied Mechanics, VSB-Technical University Ostrava, Czech Republic

\*Corresponding author: Stanislav Polzer, email: polzer@seznam.cz

#### Affiliation addresses:

Institute of Solid Mechanics, Mechatronics and Biomechanics Brno University of Technology Technicka 2896/2 616 69 Brno Czech Republic

Department of Applied Mechanics VSB-Technical University Ostrava 17.listopadu 15/2172 708 33 Ostrava-Poruba Czech Republic Regensburg Center of Biomedical Engineering Josef Engert Strasse 9 Biopark I 93053 Regensburg Germany

#### **Co-Authors:**

Florian Schroeder: florian.schroeder@st.oth-regensburg.de

Martin Slažanský: slazanskym@seznam.cz

Vojtech Man: xmanv@seznam.cz

Pavel Skacel: skacy@email.cz

Download English Version:

# https://daneshyari.com/en/article/7207334

Download Persian Version:

https://daneshyari.com/article/7207334

Daneshyari.com