Accepted Manuscript

Bi-Layered polyurethane – extracellular matrix cardiac patch improves ischemic ventricular wall remodeling in a rat model

Antonio D'Amore, Tomo Yoshizumi, Samuel K. Luketich, Matthew T. Wolf, Xinzhu Gu, Marcello Cammarata, Richard Hoff, Stephen F. Badylak, William R. Wagner, Ph.D., Director, Professor of Surgery

PII: S0142-9612(16)30376-3

DOI: 10.1016/j.biomaterials.2016.07.039

Reference: JBMT 17643

To appear in: Biomaterials

Received Date: 19 April 2016 Revised Date: 28 July 2016 Accepted Date: 31 July 2016

Please cite this article as: D'Amore A, Yoshizumi T, Luketich SK, Wolf MT, Gu X, Cammarata M, Hoff R, Badylak SF, Wagner WR, Bi-Layered polyurethane – extracellular matrix cardiac patch improves ischemic ventricular wall remodeling in a rat model, *Biomaterials* (2016), doi: 10.1016/j.biomaterials.2016.07.039.

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

BI-LAYERED POLYURETHANE – EXTRACELLULAR MATRIX CARDIAC PATCH IMPROVES ISCHEMIC VENTRICULAR WALL REMODELING IN A RAT MODEL

Antonio D'Amore^{1,2,3}, Tomo Yoshizumi ¹, Samuel K. Luketich¹, Matthew T. Wolf^{1,4}, Xinzhu Gu¹, Marcello Cammarata⁵, Richard Hoff¹, Stephen F. Badylak¹, and William R. Wagner^{1,a}

¹Departments of Bioengineering and Surgery McGowan Institute for Regenerative Medicine, University of Pittsburgh, Pittsburgh, PA USA

²Fondazione RiMED, Italy ³DICGIM, Università di Palermo, Italy

⁴Current address: Translational Tissue Engineering Center, Wilmer Eye Institute and Department of Biomedical Engineering, Johns Hopkins University, Baltimore, MD USA

⁵DICAM University of Palermo, Italy

^a For correspondence:

William R. Wagner, Ph.D.
Director of the McGowan Institute for Regenerative Medicine,
Professor of Surgery, Bioengineering and Chemical Engineering,
University of Pittsburgh
Bridgeside Point Building II
450 Technology Drive, Suite 300
Pittsburgh PA 15219
Tel. 412-624-5327
Fax 412-624-5363

email: wagnerwr@upmc.edu

Download English Version:

https://daneshyari.com/en/article/4752517

Download Persian Version:

https://daneshyari.com/article/4752517

<u>Daneshyari.com</u>