

Accepted Manuscript



Orthotopic transplantation of a tissue engineered diaphragm in rats

Elena A. Gubareva, Sebastian Sjöqvist, Irina V. Gilevich, Alexander S. Sotnichenko, Elena V. Kuevda, Mei Ling Lim, Neus Feliu, Greg Lemon, Konstantin A. Danilenko, Ramazan Z. Nakokhov, Ivan S. Gumenyuk, Timofei E. Grigoriev, Sergey V. Krasheninnikov, Alexander G. Pokhotko, Alexander A. Basov, Stepan S. Dzhimak, Ylva Gustafsson, Geoanna Bautista, Antonio Beltrán Rodríguez, Vladimir M. Pokrovsky, Philipp Jungebluth, Sergei N. Chvalun, Mark J. Holterman, Doris A. Taylor, Paolo Macchiarini, MD, PhD

PII: S0142-9612(15)00916-3

DOI: [10.1016/j.biomaterials.2015.11.020](https://doi.org/10.1016/j.biomaterials.2015.11.020)

Reference: JBMT 17197

To appear in: *Biomaterials*

Received Date: 8 July 2015

Revised Date: 1 November 2015

Accepted Date: 6 November 2015

Please cite this article as: Gubareva EA, Sjöqvist S, Gilevich IV, Sotnichenko AS, Kuevda EV, Lim ML, Feliu N, Lemon G, Danilenko KA, Nakokhov RZ, Gumenyuk IS, Grigoriev TE, Krasheninnikov SV, Pokhotko AG, Basov AA, Dzhimak SS, Gustafsson Y, Bautista G, Rodríguez AB, Pokrovsky VM, Jungebluth P, Chvalun SN, Holterman MJ, Taylor DA, Macchiarini P, Orthotopic transplantation of a tissue engineered diaphragm in rats, *Biomaterials* (2015), doi: 10.1016/j.biomaterials.2015.11.020.

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.

Orthotopic transplantation of a tissue engineered diaphragm in rats

Elena A. Gubareva¹¹, Sebastian Sjöqvist², Irina V. Gilevich¹, Alexander S. Sotnichenko¹, Elena V. Kuevda¹, Mei Ling Lim², Neus Feliu², Greg Lemon², Konstantin A. Danilenko¹, Ramazan Z. Nakokhov¹, Ivan S. Gumenyuk¹, Timofei E. Grigoriev³, Sergey V. Krasheninnikov³, Alexander G. Pokhotko⁴, Alexander A. Basov⁵, Stepan S. Dzhimak⁵, Ylva Gustafsson², Geoanna Bautista⁶, Antonio Beltrán Rodríguez², Vladimir M. Pokrovsky⁴, Philipp Jungebluth², Sergei N. Chvalun³, Mark J. Holterman⁷, Doris A Taylor⁸, Paolo Macchiarini*^{1,2}

¹International Research, Clinical and Education Center of Regenerative Medicine, Kuban State Medical University, Krasnodar, Russian Federation

²Advanced Center for Translational Regenerative Medicine (ACTREM), Department of Clinical Science, Intervention and Technology (CLINTEC), Division of Ear, Nose and Throat, Karolinska Institutet, Stockholm, Sweden

³National Research Centre "Kurchatov Institute" (NRC "Kurchatov Institute") Laboratory of Polymer Materials; Moscow, Russian Federation

⁴Department of Human Physiology, Kuban State Medical University, Krasnodar, Russia

⁵Common use Center for Diagnostics of Nanomaterials, Structure and Properties, Kuban State University, Krasnodar, Russian Federation

⁶University of Illinois College of Medicine Chicago, Illinois, United States

⁷University of Illinois College of Medicine Peoria, Illinois, United States

⁸Texas Heart Institute, Center for Regenerative Medicine, Houston, Texas, United States

Download English Version:

<https://daneshyari.com/en/article/6485256>

Download Persian Version:

<https://daneshyari.com/article/6485256>

[Daneshyari.com](https://daneshyari.com)