Accepted Manuscript

Recovery of paralyzed limb motor function in canine with complete spinal cord injury following implantation of MSC-derived neural network tissue

Guo-Hui Wu, Hui-Juan Shi, Ming-Tian Che, Meng-Yao Huang, Qing-Shuai Wei, Bo Feng, Yuan-Huan Ma, Lai-Jian Wang, Bin Jiang, Ya-Qiong Wang, Inbo Han, Eng-Ang Ling, Xiang Zeng, Yuan-Shan Zeng

PII: S0142-9612(18)30487-3

DOI: 10.1016/j.biomaterials.2018.07.010

Reference: JBMT 18753

To appear in: Biomaterials

Received Date: 7 May 2018
Revised Date: 2 July 2018
Accepted Date: 7 July 2018

Please cite this article as: Wu G-H, Shi H-J, Che M-T, Huang M-Y, Wei Q-S, Feng B, Ma Y-H, Wang L-J, Jiang B, Wang Y-Q, Han I, Ling E-A, Zeng X, Zeng Y-S, Recovery of paralyzed limb motor function in canine with complete spinal cord injury following implantation of MSC-derived neural network tissue, *Biomaterials* (2018), doi: 10.1016/j.biomaterials.2018.07.010.

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

Recovery of paralyzed limb motor function in canine with complete spinal cord injury following implantation of MSC-derived neural network tissue

Guo-Hui Wu^a, Hui-Juan Shi^a, Ming-Tian Che^b, Meng-Yao Huang^c, Qing-Shuai Wei^b, Bo Feng^a, Yuan-Huan Ma^a, Lai-Jian Wang^c, Bin Jiang^c, Ya-Qiong Wang^f, Inbo Han^g, Eng-Ang Ling^h, Xiang Zeng^{a,b,#}, Yuan-Shan Zeng^{a,b,c,d,e,*}

^aDepartment of Histology and Embryology, Zhongshan School of Medicine, Sun Yatsen University, Guangzhou, 510080, China

^bKey Laboratory for Stem Cells and Tissue Engineering (Sun Yat-sen University), Ministry of Education, Guangzhou, Guangdong, 510080, China

^cGuangdong Provincial Key Laboratory of Brain Function and Disease, Zhongshan School of Medicine, Sun Yat-sen University, Guangzhou, 510080, China

^dInstitute of Spinal Cord Injury, Sun Yat-sen University, Guangzhou, 510080, China

^eCo-innovation Center of Neuroregeneration, Nantong University, Nantong, 226001, China

^fDepartment of Electron Microscope, Zhongshan School of Medicine, Sun Yat-sen University, Guangzhou 510080, China

^gDepartment of Neurosurgery, CHA University, CHA Bundang Medical Center, Seongnam-si, Gyeonggi-do, 13496, Republic of Korea

^hDepartment of Anatomy, Yong Loo Lin School of Medicine, National University of Singapore, 117597, Singapore

*Corresponding author: Yuan-Shan Zeng, M.D., Ph.D.

Department of Histology and Embryology

Zhongshan School of Medicine, Sun Yat-sen University

74# Zhongshan 2nd Road

Guangzhou 510080, China.

zengysh@mail.sysu.edu.cn

*Co-corresponding author: Xiang Zeng, M.D., Ph.D.

Department of Histology and Embryology

Zhongshan School of Medicine, Sun Yat-sen University

74# Zhongshan 2nd Road

Guangzhou 510080, China.

zengx33@mail.sysu.edu.cn

Download English Version:

https://daneshyari.com/en/article/6484294

Download Persian Version:

https://daneshyari.com/article/6484294

Daneshyari.com