Accepted Manuscript

Title: The treatment of spinal cord injury in rats using bone marrow-derived neural-like cells induced by cerebrospinal fluid

Authors: Ying Ye, Ting-ting Feng, Yi-ran Peng, Shu-qun Hu,

Tie Xu

PII: S0304-3940(17)31016-9

DOI: https://doi.org/10.1016/j.neulet.2017.12.043

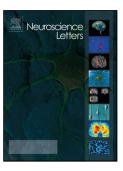
Reference: NSL 33315

To appear in: Neuroscience Letters

Received date: 31-8-2017 Revised date: 15-12-2017 Accepted date: 19-12-2017

Please cite this article as: Ying Ye, Ting-ting Feng, Yi-ran Peng, Shu-qun Hu, Tie Xu, The treatment of spinal cord injury in rats using bone marrow-derived neural-like cells induced by cerebrospinal fluid, Neuroscience Letters https://doi.org/10.1016/j.neulet.2017.12.043

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

The treatment of spinal cord injury in rats using bone marrow-derived neural-like cells induced by cerebrospinal fluid

Ying Ye^{1,2,a}, Ting-ting Feng^{3,a}, Yi-ran Peng⁴, Shu-qun Hu¹, Tie Xu^{1,2,*}

¹ Institute of Emergency Rescue Medicine & Jiangsu Province Key Laboratory of

Anesthesiology, Xuzhou Medical University, Xuzhou, Jiangsu 221002, China

² Emergency Center, Affiliated Hospital of Xuzhou Medical University, Xuzhou, Jiangsu

221002, China

³ Emergency Center, The First People's Hospital of Lianyungang, Lianyungang, Jiangsu,

222000,China

⁴ Department of Clinical Medicine, Xuzhou Medical University, Xuzhou, Jiangsu 221002,

China

^a Contributed equally to this project

*Corresponding author: Tie Xu, M.D. Institute of Emergency Rescue Medicine & Jiangsu

Province Key Laboratory of Anesthesiology, Xuzhou Medical University, Xuzhou, Jiangsu

221002, China.

Emergency Center, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu 221002,

China. 99 Huaihaixi Road, Xuzhou, Jiangsu 221002, China.

Tel.: +86-516-85802051

Email: 407307591@qq.com, tie_xu@163.com

Running head: CSF-induced BMSC-Ns for treatment of SCI

Highlights:

 Human cerebrospinal fluid promoted neural-like differentiation of rat bone mesenchymal stem cells.

• Transplantion of bone mesenchymal stem cells promoted repairing of spinal

1

Download English Version:

https://daneshyari.com/en/article/8841813

Download Persian Version:

https://daneshyari.com/article/8841813

<u>Daneshyari.com</u>