Accepted Manuscript

Title: The kinetics of autophagy in the lung following acute spinal cord injury in rats

Author: Ruiliang Chu, Jiuling Wang, Yang Bi, Guoxin Nan

PII: S1529-9430(18)30003-2

DOI: https://doi.org/10.1016/j.spinee.2018.01.001

Reference: SPINEE 57565

To appear in: The Spine Journal

Received date: 5-7-2017 Revised date: 23-11-2017 Accepted date: 10-1-2018



Please cite this article as: Ruiliang Chu, Jiuling Wang, Yang Bi, Guoxin Nan, The kinetics of autophagy in the lung following acute spinal cord injury in rats, *The Spine Journal* (2018), https://doi.org/10.1016/j.spinee.2018.01.001.

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 kinetics of autophagy in the lung following acute

spinal cord injury in rats

2	Spinal Cord injury in rats
3	Ruiliang Chu ^{1#} , Jiuling Wang ^{1#} , Yang Bi ^{1#} , Guoxin Nan ^{1#*}
4	
5	1 Department of Pediatric Research Institute, Children's Hospital of Chongqing Medical
6	University, Ministry of Education Key Laboratory of Child Development and Disorders,
7	Chongqing, 400014 China; China International Science and Technology Cooperation base
8	of Child development and Critical Disorders; Chongqing Engineering Research Center of
9	Stem Cell Therapy. # Current Address: Department of Orthopaedics Children's Hospital of Chongqing
10 11	Medical University, Chongging, China
12	*Corresponding author: Nan G, PhD, fax: +86 (023)63632084, email:
13	ngx1215@163.com
14	First author: Chu R, M.D., email: dcrl987@126.com
15	
16	Abstract
17	Background context
_,	
18	Lung injury is a major cause of respiratory complications following an acute spinal cord
19	injury (ASCI), which are associated with a high mortality rate. Autophagy has been shown
20	to be involved in a variety of lung diseases; however, Whether autophaphy is activated in
21	the lung following ASCI remains unknown.
	and raing renowing recorrelment animalism.
22	Purpose
23	The objective of this study was to investigate the induction of autophagy in the lung after
24	ASCI.
25	Study Design
23	Study Design
26	This is an experimental animal study of ASCI investigating kinetics of autophagy in the
27	lung following ASCI.
28	Methods
20	monodo
29	One hundred and forty-four rats (N = 144) were divided into two groups: 1) a sham (n =

Download English Version:

https://daneshyari.com/en/article/8804450

Download Persian Version:

https://daneshyari.com/article/8804450

Daneshyari.com