Accepted Manuscript

Resident macrophages in muscle contribute to development of hyperalgesia in a mouse model of non-inflammatory muscle pain

Wei-Yi Gong, MD, PhD, Ramy E. Abdelhamid, PhD, Carolina S. Carvalho, Kathleen A. Sluka, PhD, PT

PII: S1526-5900(16)30111-0

DOI: 10.1016/j.jpain.2016.06.010

Reference: YJPAI 3271

To appear in: Journal of Pain

Received Date: 27 October 2014

Revised Date: 4 April 2016

Accepted Date: 21 June 2016

Please cite this article as: Gong W-Y, Abdelhamid RE, Carvalho CS, Sluka KA, Resident macrophages in muscle contribute to development of hyperalgesia in a mouse model of non-inflammatory muscle pain, *Journal of Pain* (2016), doi: 10.1016/j.jpain.2016.06.010.

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.



Resident macrophages in muscle contribute to development of hyperalgesia in a mouse model of non-inflammatory muscle pain

*Wei-Yi Gong, MD, PhD^{a,b}; *Ramy E. Abdelhamid PhD^b; Carolina S Carvalho^b; Kathleen A. Sluka PhD, PT^b

^{*} Authors contributed equally to the manuscript.

^aDepartment of Pain Management, Xuanwu Hospital, Capital Medical University, Beijing, China

^bDepartment of Physical Therapy and Rehabilitation Science, University of Iowa, Carver College of Medicine, Iowa City, Iowa

Funding: Funded by the National Institutes of Health Grant #AR061371.

Running title: Resident macrophages and muscle pain

Conflicts of Interest: The authors declare no conflicts of interest

Disclosures

The authors thank Lynn Rasmussen for technical assistance with behavior tests, and Sandra Kolker and Jessica Danielson for technical assistance with immunohistochemistry of macrophages. The authors declare no conflicts of interest for this study. This work was supported by NIH grant AR061371.

Corresponding Author:

Kathleen A. Sluka, PhD, PT Department of Physical Therapy and Rehabilitation Science University of Iowa, Carver College of Medicine 500 Newton Road, 1-248 Medical Education Building Iowa City, IA 52242 319-335-9791 319-335-9707 kathleen-sluka@uiowa.edu Download English Version:

https://daneshyari.com/en/article/5578092

Download Persian Version:

https://daneshyari.com/article/5578092

Daneshyari.com