## Accepted Manuscript

Research Article

Psychosocial stress delays recovery of postoperative pain following incisional surgery in the rat

Vipin Arora, Thomas J. Martin, Carol A. Aschenbrenner, Kenichiro Hayashida, Susy A. Kim, Renee A. Parker, James C. Eisenach, Christopher M. Peters

PII: S0306-4522(18)30265-3

DOI: https://doi.org/10.1016/j.neuroscience.2018.04.014

Reference: NSC 18403

To appear in: Neuroscience

Received Date: 7 January 2018 Accepted Date: 11 April 2018



Please cite this article as: V. Arora, T.J. Martin, C.A. Aschenbrenner, K. Hayashida, S.A. Kim, R.A. Parker, J.C. Eisenach, C.M. Peters, Psychosocial stress delays recovery of postoperative pain following incisional surgery in the rat, *Neuroscience* (2018), doi: https://doi.org/10.1016/j.neuroscience.2018.04.014

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**

Psychosocial stress delays recovery of postoperative pain following incisional surgery in the rat

Vipin Arora, Ph.D<sup>1</sup>, Thomas J. Martin, Ph.D<sup>2</sup>, Carol A. Aschenbrenner, MA<sup>3</sup>, Kenichiro Hayashida, DVM, Ph.D.<sup>4</sup>, Susy A. Kim<sup>5</sup>, Renee A. Parker<sup>5</sup>, James C. Eisenach, M.D.<sup>6</sup>, Christopher M. Peters, Ph.D.<sup>7</sup>

<sup>1</sup>Post-doctoral fellow, Department of Anesthesiology, WFSM, Winston-Salem, NC

<sup>2</sup> Professor of Anesthesiology and Physiology & Pharmacology, WFSM, Winston-Salem, NC

<sup>3</sup>Biostatistician, Department of Anesthesiology, WFSM, Winston-Salem, NC

<sup>4</sup>Associate Professor, Department of Neurophysiology, Akita University School of Medicine, Akita, Japan

<sup>5</sup> Research technician, Department of Anesthesiology, WFSM, Winston-Salem, NC

<sup>6</sup>FM James, III Professor of Anesthesiology and Physiology & Pharmacology, WFSM, Winston-Salem, NC

<sup>7</sup> Assistant Professor of Anesthesiology, Department of Anesthesiology, Wake Forest School of Medicine (WFSM), Winston-Salem, NC

Correspondence to: Christopher M. Peters, Department of Anesthesiology, Wake Forest University School of Medicine, Medical Center Boulevard, Winston Salem, NC 27157-1009, USA Phone: (336)-716-4182, Fax: (336) 716-0288, E-mail: chrpeter@wakehealth.edu

**Funding and Disclosures:** Supported in part by grant R01GM099863 to CMP and P01GM113852 to JCE from the National Institute of Health, Bethesda, MD as well as grant 16K08985 from KAKENHI and support from the Smoking Research Foundation to KH. In the past 36 months JCE has consulted to Adynxx (San Francisco, CA, USA) and TEVA Pharmaceutical Industries (North Wales, PA, USA) regarding preclinical and clinical analgesic development of pharmaceuticals not related to the current publication. The remaining authors declare no conflicts of interest.

Running title: Preoperative social stress slows postoperative recovery

## Download English Version:

## https://daneshyari.com/en/article/8840703

Download Persian Version:

https://daneshyari.com/article/8840703

<u>Daneshyari.com</u>