

# Accepted Manuscript

Neonatal injury results in sex-dependent nociceptive hypersensitivity and social behavioral deficits during adolescence, without altering morphine response

Nikita N. Burke, PhD, Tuan Trang, PhD



PII: S1526-5900(17)30636-3

DOI: [10.1016/j.jpain.2017.07.003](https://doi.org/10.1016/j.jpain.2017.07.003)

Reference: YJPAI 3443

To appear in: *Journal of Pain*

Received Date: 16 May 2017

Revised Date: 30 June 2017

Accepted Date: 3 July 2017

Please cite this article as: Burke NN, Trang T, Neonatal injury results in sex-dependent nociceptive hypersensitivity and social behavioral deficits during adolescence, without altering morphine response, *Journal of Pain* (2017), doi: 10.1016/j.jpain.2017.07.003.

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.

**Neonatal injury results in sex-dependent nociceptive hypersensitivity and social behavioral deficits during adolescence, without altering morphine response**

Short title: Impact of neonatal pain on adolescent behavior

Nikita N Burke<sup>a</sup>, PhD and Tuan Trang<sup>a</sup>, PhD

<sup>a</sup>Department of Comparative Biology and Experimental Medicine, Department of Physiology and Pharmacology, Hotchkiss Brain Institute, University of Calgary, Alberta, Canada

**Corresponding author:**

Tuan Trang, PhD  
3300 Hospital Drive NW,  
University of Calgary,  
Alberta, Canada. T2N 4N1.  
+ 1 403 220 8357  
[trangt@ucalgary.ca](mailto:trangt@ucalgary.ca)

**Disclosures:** This work was supported by grants from the Vi Riddell Program for Pediatric Pain Research Grant, Natural Sciences and Engineering Research Council of Canada (RGPIN418299), the Canadian Institutes of Health Research (MOP133523) and the Rita Allen Foundation and American Pain Society (awarded to T.T.). N.N.B. was supported by an Eyes High Postdoctoral Scholarship and Alberta Innovates Postgraduate Fellowship. Sponsors had no role in study design; the collection, analysis, and interpretation of data; the writing of the report; or the decision to submit the manuscript for publication. The authors declare no conflict of interest.

Download English Version:

<https://daneshyari.com/en/article/8605362>

Download Persian Version:

<https://daneshyari.com/article/8605362>

[Daneshyari.com](https://daneshyari.com)