

Accepted Manuscript

Title: Evaluation of the effects of chlorpyrifos combined with lipopolysaccharide stress on neuroinflammation and spatial memory in neonatal rats

Authors: Peipei Wang, Hongmei Dai, Chen Zhang, Jing Tian, Yuanying Deng, Mengwen Zhao, Mingyi Zhao, Guoying Bing, Lingling Zhao



PII: S0300-483X(18)30366-4
DOI: <https://doi.org/10.1016/j.tox.2018.09.008>
Reference: TOX 52099

To appear in: *Toxicology*

Received date: 13-7-2018
Revised date: 21-8-2018
Accepted date: 17-9-2018

Please cite this article as: Wang P, Dai H, Zhang C, Tian J, Deng Y, Zhao M, Zhao M, Bing G, Zhao L, Evaluation of the effects of chlorpyrifos combined with lipopolysaccharide stress on neuroinflammation and spatial memory in neonatal rats, *Toxicology* (2018), <https://doi.org/10.1016/j.tox.2018.09.008>

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.

Evaluation of the effects of chlorpyrifos combined with lipopolysaccharide stress on neuroinflammation and spatial memory in neonatal rats

Peipei Wang ^a, Hongmei Dai ^a, Chen Zhang ^a, Jing Tian ^a, Yuanying Deng ^a, Mengwen Zhao ^a, Mingyi Zhao ^a, Guoying Bing ^b, Lingling Zhao ^{a,*}

^a Department of Paediatrics, Third Xiangya Hospital, Central South University, Changsha, Hunan, China

^b Department of Anatomy and Neurobiology, University of Kentucky, School of Medicine, Lexington, KY 40502, USA

*Corresponding author: Lingling Zhao, Third Xiangya Hospital of Central South University, Department of Paediatrics, 138, Tong Zipo, Changsha, Hunan 410013, China. Tel: 86-731-88618498. Fax: 86-731-88618498. E-mail: llzhao2011@qq.com.

Abstract

Chlorpyrifos (CPF) may weaken the immune defenses of children, making them vulnerable to opportunistic bacterial infection. CPF combined with bacterial infection is a potential problem for children during their childhood development. However, there is a lack of studies on the joint effects of these two factors on children. Here, we assessed the effects of CPF combined with lipopolysaccharide (LPS) on the

Download English Version:

<https://daneshyari.com/en/article/11030729>

Download Persian Version:

<https://daneshyari.com/article/11030729>

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