#### Accepted Manuscript

Mild exercise in female subjects impairs complex learning independent of hydration status and emotion

Joshua M. Turner, Douglas A. Marsteller, Anita T. Luxkaranayagam, John M. Fletcher, Nina S. Stachenfeld

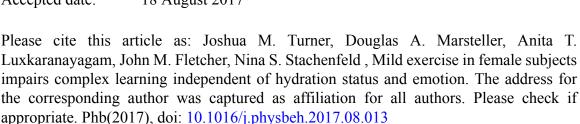
PII: S0031-9384(17)30259-7

DOI: doi: 10.1016/j.physbeh.2017.08.013

Reference: PHB 11888

To appear in: Physiology & Behavior

Received date: 9 June 2017 Revised date: 17 August 2017 Accepted date: 18 August 2017



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**

# Mild exercise in female subjects impairs complex learning independent of hydration status and emotion

Joshua M. Turner<sup>1</sup>, Douglas A. Marsteller,.<sup>2</sup> Anita T. Luxkaranayagam<sup>1, 3</sup>, John M. Fletcher<sup>2</sup>, and Nina S. Stachenfeld<sup>1, 3,4</sup>

<sup>1</sup>The John B. Pierce Laboratory, New Haven, CT, <sup>2</sup>PepsiCo 100 Summit Lake Drive, Valhalla NY, <sup>3</sup>Department of Obstetrics, Gynecology and Reproductive Sciences, Yale School of Medicine, <sup>4</sup>Yale School of Public Health, New Haven, CT.

Research was performed at The John B. Pierce Laboratory, 290 Congress Ave, New Haven, CT 06511

Source of Support: PepsiCo, Inc

Corresponding Author: Nina Stachenfeld, PhD

The John B. Pierce Laboratory

290 Congress Avenue

New Haven, CT 06519

nstach@jbpierce.org

Word count:

#### Highlights

- Exercise can impair executive function.
- Exercise effects on cognitive function are independent of emotion
- Determination of hydration with Potters Scale
- Mild exercise effects on cognitive function are independent of hydration status

#### Download English Version:

## https://daneshyari.com/en/article/5593605

Download Persian Version:

https://daneshyari.com/article/5593605

<u>Daneshyari.com</u>