Accepted Manuscript

Patients with Chronic Insomnia Disorder Have Increased Serum Levels of Neurofilaments, Neuron-Specific Enolase and S100B: Does Organic Brain Damage Exist?

Ping Zhang, Cheng-Wen Tan, Gui-Hai Chen, Yi-Jun Ge, Jing Xu, Lan Xia, Fang Wang, Xue-Yan Li, Xiao-Yi Kong

PII: S1389-9457(18)30027-3

DOI: 10.1016/j.sleep.2017.12.012

Reference: SLEEP 3619

To appear in: *Sleep Medicine*

Received Date: 16 August 2017

Accepted Date: 30 December 2017

Please cite this article as: Zhang P, Tan C-W, Chen G-H, Ge Y-J, Xu J, Xia L, Wang F, Li X-Y, Kong X-Y, Patients with Chronic Insomnia Disorder Have Increased Serum Levels of Neurofilaments, Neuron-Specific Enolase and S100B: Does Organic Brain Damage Exist?, *Sleep Medicine* (2018), doi: 10.1016/j.sleep.2017.12.012.

Patients with chronic insomnia disorder have increased serum levels of neurofilaments, neuron-specific enolase and S100B: does organic brain damage exist?

Ping Zhang [a,*], Cheng-Wen Tan [a,*], Gui-Hai Chen [a,b,†], Yi-Jun Ge [a], Jing Xu[a], Lan Xia [c], Fang Wang [b], Xue-Yan Li [a], Xiao-Yi Kong [a]

[a] Departments of Sleep Disorders, Psychiatry, or Neurology, the Affiliated Chaohu Hospital, Chaohu, China

[b] Department of Neurology, the First Affiliated Hospital of Anhui Medical University, Hefei, China

[c] Department of Neurology, the Second Affiliated Hospital of Anhui Medical University, Hefei, China

* These authors contributed equally to this work.

[†] Corresponding author. Department of Sleep Disorders, Affiliated Chaohu Hospital, Chaohu, 238000, China. Fax: +86 551 82324252.

E-mail address: doctorcgh@163.com (G.-H. Chen).

Abstract

Objectives: The aims of this study were to investigate whether serum levels of neurofilament heavy chain (NfH) and light chain (NfL), neuron-specific enolase (NSE) and S100 calcium