

Accepted Manuscript

Early cortical biomarkers of longitudinal transcutaneous vagus nerve stimulation treatment success in depression

Jiliang Fang, Natalia Egorova, Peijing Rong, Jun Liu, Yang Hong, Yangyang Fan, Xiaoling Wang, Honghong Wang, Yutian Yu, Yunyao Ma, Chunhua Xu, Shaoyuan Li, Jingjun Zhao, Man Luo, Bing Zhu, Jian Kong



PII: S2213-1582(16)30253-4
DOI: doi: [10.1016/j.nicl.2016.12.016](https://doi.org/10.1016/j.nicl.2016.12.016)
Reference: YNICL 896

To appear in: *NeuroImage: Clinical*

Received date: 4 September 2016
Revised date: 7 December 2016
Accepted date: 16 December 2016

Please cite this article as: Jiliang Fang, Natalia Egorova, Peijing Rong, Jun Liu, Yang Hong, Yangyang Fan, Xiaoling Wang, Honghong Wang, Yutian Yu, Yunyao Ma, Chunhua Xu, Shaoyuan Li, Jingjun Zhao, Man Luo, Bing Zhu, Jian Kong, Early cortical biomarkers of longitudinal transcutaneous vagus nerve stimulation treatment success in depression. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ynicl(2016), doi: [10.1016/j.nicl.2016.12.016](https://doi.org/10.1016/j.nicl.2016.12.016)

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.

Early cortical biomarkers of longitudinal transcutaneous vagus nerve stimulation treatment success in depression

Short title: Anterior insula activation during tVNS treatment predicts depression score decrease

Jiliang Fang^{1,3#}, Natalia Egorova^{2#}, Peijing Rong^{3*}, Jun Liu¹, Yang Hong¹, Yangyang Fan¹, Xiaoling Wang¹, Honghong Wang¹, Yutian Yu³, Yunyao Ma¹, Chunhua Xu¹, Shaoyuan Li³, Jingjun Zhao³, Man Luo³, Bing Zhu³, and Jian Kong^{2*}

1. Guang'anmen Hospital, China Academy of Chinese Medical Sciences, Beijing 100053, China

2. Massachusetts General Hospital / Harvard Medical School, Charlestown, MA, 02219, USA

3. Institute of Acupuncture and Moxibustion, China Academy of Chinese Medical Sciences, Beijing 100700, China

Fang and Egorova are co-first authors

keywords: transcutaneous vagus nerve stimulation tVNS; major depressive disorder (MDD),

functional magnetic resonance imaging (fMRI)

Word Count: 3269

*Corresponding authors

Peijing Rong

Institute of Acupuncture and Moxibustion,

China Academy of Chinese Medical Sciences,

No16. Dongzhimen Nan Xiao Street, Dongcheng District, Beijing

100700, China;

Tel: 8610-64089302

Fax: 8610-64039812

E-mail: rongpj@cintcm.ac.cn; rongpj@hotmail.com; drongpj@163.com.

Jian Kong

Psychiatry Department

Massachusetts General Hospital

Harvard Medical School

Building 120, 2nd Ave, Suite 101C

Charlestown, MA

Tel: 617-726-7893

Fax: 617-643-7340

email: kongj@nmr.mgh.harvard.edu

Download English Version:

<https://daneshyari.com/en/article/8688588>

Download Persian Version:

<https://daneshyari.com/article/8688588>

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