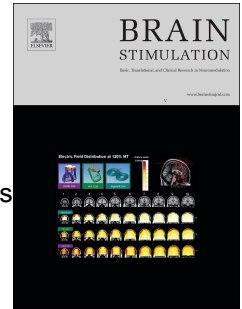


# Accepted Manuscript

Repeated transcranial direct current stimulation improves cognitive dysfunction and synaptic plasticity deficit in the prefrontal cortex of streptozotocin-induced diabetic rats

Yi-Jen Wu, Chou-Ching Lin, Che-Ming Yeh, Miao-Er Chien, Ming-Chung Tsao, Philip Tseng, Chin-Wei Huang, Kuei-Sen Hsu



PII: S1935-861X(17)30887-2

DOI: [10.1016/j.brs.2017.08.007](https://doi.org/10.1016/j.brs.2017.08.007)

Reference: BRS 1096

To appear in: *Brain Stimulation*

Received Date: 11 February 2017

Revised Date: 22 July 2017

Accepted Date: 22 August 2017

Please cite this article as: Wu Y-J, Lin C-C, Yeh C-M, Chien M-E, Tsao M-C, Tseng P, Huang C-W, Hsu K-S, Repeated transcranial direct current stimulation improves cognitive dysfunction and synaptic plasticity deficit in the prefrontal cortex of streptozotocin-induced diabetic rats, *Brain Stimulation* (2017), doi: 10.1016/j.brs.2017.08.007.

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.

**Repeated transcranial direct current stimulation improves cognitive dysfunction and synaptic plasticity deficit in the prefrontal cortex of streptozotocin-induced diabetic rats**

Yi-Jen Wu<sup>a,b</sup>, Chou-Ching Lin<sup>b</sup>, Che-Ming Yeh<sup>c</sup>, Miao-Er Chien<sup>b</sup>, Ming-Chung Tsao<sup>b</sup>,  
Philip Tseng<sup>d,e,f</sup>, Chin-Wei Huang<sup>b</sup>, Kuei-Sen Hsu<sup>c,g,\*</sup>

<sup>a</sup> Institute of Clinical Medicine, College of Medicine, National Cheng Kung University, Tainan, Taiwan

<sup>b</sup> Department of Neurology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan

<sup>c</sup> Department of Pharmacology, College of Medicine, National Cheng Kung University, Tainan, Taiwan

<sup>d</sup> Graduate Institute of Humanities in Medicine, Taipei Medical University, Taipei, Taiwan

<sup>e</sup> TMU Research Center for Brain and Consciousness, Taipei Medical University, Taipei, Taiwan

<sup>f</sup> Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan

<sup>g</sup> Institute of Basic Medical Sciences, College of Medicine, National Cheng Kung University, Tainan, Taiwan

(34 pages with 7 figures; Word Count: 3968)

**\*Correspondence Authors: Kuei-Sen Hsu, Ph.D.,**

Department of Pharmacology, College of Medicine,  
National Cheng Kung University, No. 1, University Rd.,  
Tainan 701, Taiwan

Tel: 886-6-2353535 ext. 5498; Fax: 886-6-2749296

E-mail: [richard@mail.ncku.edu.tw](mailto:richard@mail.ncku.edu.tw)

Download English Version:

<https://daneshyari.com/en/article/8681585>

Download Persian Version:

<https://daneshyari.com/article/8681585>

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