

Induced Cortical Neurogenesis after Focal Cerebral Ischemia – Three Active Components from Huang-Lian-Jie-Du Decoction

Haiyan Zou, Jianfei Long, Qiuxia Zhang, Haiyu Zhao, Baolin Bian, Yali Wang, Jian Zhang, Hui Zhao, Lei Wang



PII: S0378-8741(15)30257-9
DOI: <http://dx.doi.org/10.1016/j.jep.2015.12.001>
Reference: JEP9849

To appear in: *Journal of Ethnopharmacology*

Received date: 7 July 2015
Revised date: 28 July 2015
Accepted date: 2 December 2015

Cite this article as: Haiyan Zou, Jianfei Long, Qiuxia Zhang, Haiyu Zhao, Baoli Bian, Yali Wang, Jian Zhang, Hui Zhao and Lei Wang, Induced Cortical Neurogenesis after Focal Cerebral Ischemia – Three Active Components from Huang-Lian-Jie-Du Decoction, *Journal of Ethnopharmacology* <http://dx.doi.org/10.1016/j.jep.2015.12.001>

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 galley proof before it is published in its final citable 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.

Induced Cortical Neurogenesis after Focal Cerebral Ischemia – Three Active Components from**Huang-Lian-Jie-Du Decoction**

Haiyan Zou^{a,b,1}, Jianfei Long^{a,b,d,1}, Qiuxia Zhang^{a,b}, Haiyu Zhao^c, Baolin Bian^c, Yali Wang^{a,b}, Jian Zhang^{a,b}, Hui Zhao^{a,b*}, Lei Wang^{a,b**}

^aSchool of Traditional Chinese Medicine, Capital Medical University, Beijing 100069, China.

^bBeijing Key Lab of TCM Collateral Disease Theory Research, Beijing 100069, China.

^cInstitute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, Beijing 100700, P. R. China

^d Department of Pharmacy, Huashan Hospital, Fudan University, Shanghai. 200040, P. R. China

*Corresponding author. Tel. : +13581974347; fax: +86 1083911627.

** Corresponding author.

E-mail address : zhaohuishouyi@sina.com (H. Zhao), tmwangl@ccmu.edu.cn(L.Wang)

¹Haiyan Zou and Jianfei Long contributed equally to this work.

Dear Editor,

We would like to submit the enclosed manuscript of "Induced Cortical Neurogenesis after Focal Cerebral Ischemia, Three Active Fractions from Huang-Lian-Jie-Du-Decoction" to Journal of Ethnopharmacology as a "Research article". Neither the entire paper nor any part of it has been published or accepted elsewhere. All experimental procedures have been carried out according to the National Institute of Health Guide for the Care and Use of Laboratory Animals.

Huang-Lian-Jie-Du-Decoction (HLJDD), a clinical Traditional Chinese Medicine (TCM) prescription, has been noted for its neuroprotective effects with functional recovery after stroke. In the present study, we demonstrated that the total alkaloids, iridoids and flavonoids from HLJDD promoted functional recovery likely via enhancing cortical neurogenesis in rats with MCAO. Our findings not only confirmed the neuroprotective material basis of HLJDD in the treatment of stroke but also might provide new insights into potential strategies for drug discovery from traditional Chinese medicine for ischemic stroke.

The American expert has checked the manuscript for correct English usage.

Thank you very much your considering our manuscript for potential publication. I'm looking forward

Download English Version:

<https://daneshyari.com/en/article/5835282>

Download Persian Version:

<https://daneshyari.com/article/5835282>

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