

Accepted Manuscript

Title: Pharmacogenetics Analysis of Serotonin Receptor Gene Variants and Clinical Response to Risperidone in Han Chinese Schizophrenic Patients

Authors: Wei Zhou, Wushao Chang, Yucai Yan, Lu Shen, Wenqiang Li, Zhenghui Yi, Shengying Qin



PII: S0304-3940(18)30532-9
DOI: <https://doi.org/10.1016/j.neulet.2018.08.002>
Reference: NSL 33737

To appear in: *Neuroscience Letters*

Received date: 21-4-2018
Revised date: 16-7-2018
Accepted date: 2-8-2018

Please cite this article as: Zhou W, Chang W, Yan Y, Shen L, Li W, Yi Z, Qin S, Pharmacogenetics Analysis of Serotonin Receptor Gene Variants and Clinical Response to Risperidone in Han Chinese Schizophrenic Patients, *Neuroscience Letters* (2018), <https://doi.org/10.1016/j.neulet.2018.08.002>

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.

Pharmacogenetics Analysis of Serotonin Receptor Gene Variants and Clinical Response to Risperidone in Han Chinese Schizophrenic

Patients

Wei Zhou^{1†}, Wushao Chang^{2†}, Yucai Yan¹, Lu Shen¹, Wenqiang Li³, Zhenghui Yi^{4*}, Shengying Qin^{1*}

¹Bio-X Institutes, Key Laboratory for the Genetics of Developmental and Neuropsychiatric Disorders, Ministry of Education, Shanghai Jiao Tong University, Shanghai, People's Republic of China

²Second People's Hospital of Lishui, Zhejiang, People's Republic of China

³Henan Institute of Mental Health, Henan, People's Republic of China

⁴Shanghai Mental Health Center, Shanghai Jiao Tong University School of Medicine, Shanghai, People's Republic of China

†These authors contributed equally to this work.

*Correspondence:

Shengying Qin

chinsir@sjtu.edu.cn

Zhenghui Yi

yizhenghui1971@163.com

Highlights

- We investigated the association of *HTR3C*, *HTR3D*, *HTR5A* and *HTR6* polymorphisms with risperidone response in schizophrenic patients.
- Variant in *HTR6* was associated with risperidone treatment response in the current study.
- The rs6699866 involved in our association study showed significant association with risperidone response for the first time.

Abstract

Assessments of the pharmacological profiles of antipsychotic agents have shown that the serotonin receptor family is often involved in their pharmacodynamics. Response to antipsychotic therapy is highly variable, yet prognostic biomarkers are lacking. The aim of the study was to investigate the association of 14 single nucleotide polymorphisms (SNPs) selected from *HTR3C*, *HTR3D*, *HTR5A* and *HTR6* with

Download English Version:

<https://daneshyari.com/en/article/8841389>

Download Persian Version:

<https://daneshyari.com/article/8841389>

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