

Author's Accepted Manuscript

Altered brain structure in women with premenstrual syndrome

Peng Liu, Ying Wei, Yingying Fan, Ru Li, Yanfei Liu, Geliang Wang, Yichen Wei, Yong Pang, Demao Deng, Wei Qin



PII: S0165-0327(17)31498-2
DOI: <https://doi.org/10.1016/j.jad.2017.12.075>
Reference: JAD9483

To appear in: *Journal of Affective Disorders*

Received date: 19 July 2017
Revised date: 19 October 2017
Accepted date: 31 December 2017

Cite this article as: Peng Liu, Ying Wei, Yingying Fan, Ru Li, Yanfei Liu, Geliang Wang, Yichen Wei, Yong Pang, Demao Deng and Wei Qin, Altered brain structure in women with premenstrual syndrome, *Journal of Affective Disorders*, <https://doi.org/10.1016/j.jad.2017.12.075>

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.

Altered brain structure in women with premenstrual syndrome

Peng Liu^{1,2*}, Ying Wei¹, Yingying Fan¹, Ru Li¹, Yanfei Liu¹, Geliang Wang¹,
Yichen Wei³, Yong Pang⁴, Demao Deng^{3*}, Wei Qin^{1,2*}

¹ Life Science Research Center, School of Life Science and Technology, Xidian University, Xi'an 710071, China

² Engineering Research Center of Molecular and Neuro Imaging Ministry of Education, School of Life Science and Technology, Xidian University, Xi'an 710071, China

³ Department of Radiology, First Affiliated Hospital, Guangxi University of Chinese Medicine, Nanning, Guangxi 530023, China

⁴ Department of Acupuncture, First Affiliated Hospital, Guangxi University of Chinese Medicine, Nanning, Guangxi 530023, China

* **Corresponding author:** Name: Peng Liu. Complete Address: Life Sciences Research Center, School of Life Science and Technology, Xidian University, Xi'an, Shaanxi 710071, China, Tel: +86 29 81891070; Fax: +86 29 82891060. E-mail: liupengphd@gmail.com

* **Corresponding author:** Name: Wei Qin. Complete Address: Life Sciences Research Center, School of Life Sciences and Technology, Xidian University, Xi'an, Shaanxi 710071, China. Tel: +86 29 81891070; Fax: +86 29 81891060. E-mail: wqin@xidian.edu.cn

* **Corresponding author:** Name: Demao Deng
Complete Address: Department of Radiology, First Affiliated Hospital, Guangxi University of Chinese Medicine, Nanning, Guangxi 530023, China. Tel: +86 0771 5848702. E-mail: demaodeng@163.com

Abstract

Background:

Functional brain abnormalities have been noted in premenstrual syndrome (PMS). However, the brain structural alterations related to PMS remain unclear. This study aimed to identify possible abnormalities in gray matter (GM) volumes and structural covariance patterns among PMS patients.

Methods:

Structural magnetic resonance imaging data were obtained from 20 PMS patients and 20 healthy controls. Voxel-based morphometry (VBM) analysis

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات