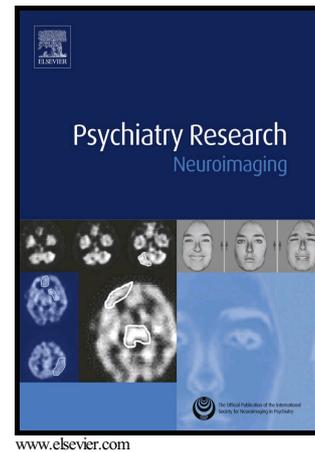


Author's Accepted Manuscript

Reduced white matter connectivity associated with auditory verbal hallucinations in first-episode and chronic schizophrenia: a diffusion tensor imaging study

Xiaoling Zhang, Jie Gao, Feng Zhu, Wei Wang, Yajuan Fan, Qingyan Ma, Xiancang Ma, Jian Yang



PII: S0925-4927(17)30315-3
DOI: <https://doi.org/10.1016/j.psychresns.2018.01.002>
Reference: PSYN10782

To appear in: *Psychiatry Research: Neuroimaging*

Received date: 10 November 2017
Revised date: 14 January 2018
Accepted date: 20 January 2018

Cite this article as: Xiaoling Zhang, Jie Gao, Feng Zhu, Wei Wang, Yajuan Fan, Qingyan Ma, Xiancang Ma and Jian Yang, Reduced white matter connectivity associated with auditory verbal hallucinations in first-episode and chronic schizophrenia: a diffusion tensor imaging study, *Psychiatry Research: Neuroimaging*, <https://doi.org/10.1016/j.psychresns.2018.01.002>

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 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.

Reduced white matter connectivity associated with auditory verbal hallucinations in first-episode and chronic schizophrenia: a diffusion tensor imaging study

Xiaoling Zhang^{a,b,1}, Jie Gao^{b,1}, Feng Zhu^c, Wei Wang^c, Yajuan Fan^c, Qingyan Ma^c, Xiancang Ma^c, Jian Yang^{a,*}

^aDepartment of Diagnostic Radiology, The First Affiliated Hospital of Xi'an Jiaotong University, No. 277 Yanta West Road, Xi'an, 710061, PR China

^bDepartment of MRI Diagnosis, Shaanxi Provincial People's Hospital, No. 256 Youyi West Road, Xi'an, PR China

^cDepartment of Psychiatry, The First Affiliated Hospital of Xi'an Jiaotong University, No. 277 Yanta West Road, Xi'an, 710061, PR China

*Correspondence to: Professor Jian Yang, Department of Diagnostic Radiology, The First Affiliated Hospital, Xi'an Jiaotong University, No.277 Yanta West Road, Xi'an 710061, PR China. Tel.: 86 18991232396; Fax: 086 029 85225009. yj1118@mail.xjtu.edu.cn

Abstract

This study aims to explore whether auditory verbal hallucinations (AVH) in schizophrenia are associated with the white matter abnormalities in tracts connecting language, auditory and memory/limbic networks in first-episode and chronic schizophrenia patients. 21 first-episode (FE-AVH) and 12 chronic (chronic-AVH group) patients who suffered from auditory verbal hallucinations and 26 healthy controls (HC group) were enrolled. Diffusion tensor imaging with tract-based spatial statistics was performed to assess the white matter changes between the two patient groups and HC group. Decreased fractional anisotropy and increased radial diffusivity were found in the patient groups compared to the HC group in multiple white matter tracts including the corpus callosum, superior longitudinal fasciculus, inferior fronto-occipital fasciculus, uncinate fasciculus, cingulum, external capsule and anterior limb of the internal capsule. The chronic-AVH group showed more

¹ Xiaoling Zhang and Jie Gao contributed equally to this work.

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