



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Psychiatry*

**Manuscript NO:** 87763

**Title:** Brain-derived neurotrophic factor, sex hormones and cognitive decline in male patients with schizophrenia receiving continuous antipsychotic therapy

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05322345

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Croatia

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-08-26

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-08-26 13:36

**Reviewer performed review:** 2023-08-26 13:51

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

This study entitled “Brain-derived neurotrophic factor, sex hormones, and cognitive decline in male patients with schizophrenia taking continuous antipsychotic therapy” seems to have been generally well executed and written. Furthermore, I believe that this paper will be of great interest to the readers. However, I have only a few remarks that require authors attention.

**Title** Please add the type of article in your title.

**Abstract Background** Add this section in your Abstract, here, in one-two sentences describe the background of your study and more clearly describe the aim of your study.

**Objective section** should be integrated with Background section. See previous comment. State the term in full when it is mentioned for the first time in text (e.g., BDNF, CATM).

**Introduction** Please state the clear hypothesis of your study at the end of Introduction.

**Methods** In your first sentence add an information what type of study you have performed.

**Statistical Analysis** Why the sample size calculation was not performed?

**Results** State exact P values, not just  $P < 0.05$ .

**Discussion.** Please state the limitations of your study at the end of Discussion.



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**Peer-review model:** Single blind

**Reviewer's code:** 02445209

**Position:** Editorial Board

**Academic degree:** N/A, MD, PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** Czech Republic

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-08-26

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-08-27 19:38

**Reviewer performed review:** 2023-09-04 09:38

**Review time:** 7 Days and 13 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

Dear authors, I have several comments on your manuscript: - In Abstract, you use the abbreviation CATM, which is not explained. - In Abstract - Methods, you write about "neuropsychological tests", this should be specified more, which tests, what are they aimed at? - In Abstract - Methods: You do not write that you examined BDNF, but BDNF is stated in the title of your manuscript. - You should explain whether the number of your study subjects was based on a statistical power analysis. - The grammar in your article is good, but you sometimes use inadequate words. E.g., males are designated as "guys", some patients are designated as "weak people". The text should be revised by a native speaker of English who is experienced in psychiatric scientific writing. - In the line No 220, I found some Chinese characters in the middle of the English text. - In the line 239, you state tha clozapine is a new antipsychotic, but clozapine was synthesized in 1958. The reviewer



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Reviewer's code:** 02445209

**Position:** Editorial Board

**Academic degree:** N/A, MD, PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** Czech Republic

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-08-26

**Reviewer chosen by:** Cong Lin

**Reviewer accepted review:** 2023-10-08 20:15

**Reviewer performed review:** 2023-10-10 08:32

**Review time:** 1 Day and 12 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

Dear authors, I do not have any other comments on your manuscript. The reviewer