

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

Scientific quality	<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 Grade E: Do not publish
Novelty of this manuscript	<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
Creativity or innovation of this manuscript	<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

Scientific significance of the conclusion in this manuscript	<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
Language quality	<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
Conclusion	<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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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

Scientific quality	<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
Novelty of this manuscript	<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
Creativity or innovation of this manuscript	<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

Scientific significance of the conclusion in this manuscript	<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
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	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

Scientific quality	<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
Language quality	<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
Conclusion	<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
Peer-reviewer	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