PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 88569

Title: Abnormalities of electroencephalography microstates in patients with depression and their association with cognitive function

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05198640

Position: Peer Reviewer

Academic degree: DSc, MD, PhD

Professional title: Full Professor

Reviewer's Country/Territory: Bulgaria

Author's Country/Territory: China

Manuscript submission date: 2023-09-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-09-29 18:35

Reviewer performed review: 2023-10-01 12:20

Review time: 1 Day and 17 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The paper delivers evidence about the correlations between specific EEG microstates, clinical scores for evaluation of depression and cognitive functions in patients with depression as compared to healthy controls. The study sample is adequate given the purpose, statistical methods are clearrly described. The conclusions are supported with data. Maybe the manuscript may benefit from more extensive introduction to set the background for applications of EEG in psychiatry, including quantitative EEG bio-markers to predict and monitor the treatment response in depression.

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it is a well written and documented manuscript