

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 69286

Title: Digital phenotyping in depression diagnostics: Integrating psychiatric and engineering perspectives

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05789838

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2021-06-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-16 11:52

Reviewer performed review: 2021-07-16 15:56

Review time: 4 Hours

| | |
|--------------------|---|
| Scientific quality | <input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish |
| Language quality | <input type="radio"/> Grade A: Priority publishing <input checked="" type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection |
| Conclusion | <input checked="" type="radio"/> Accept (High priority) <input type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection |
| Re-review | <input type="radio"/> Yes <input checked="" type="radio"/> No |



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| Peer-reviewer statements | Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No |
|-------------------------------------|---|

SPECIFIC COMMENTS TO AUTHORS

This review paper is to integrate, evaluate, and synthesize evidence-informed literature from both clinical and engineering perspectives. The goal is to present a clinically-relevant, evidence informed review beneficial to clinicians, engineers, and researchers from diverse disciplines, and to help advance multidisciplinary collaborations with clear clinical objectives. On the whole, the information contained in the paper is very rich and comprehensive, showing great value. However, the whole paper is comprehensive, but the focus is not obvious. I think the a depression prediction system, DepWatch mentioned by the author in the paper is very interesting. The application of machine learning or artificial intelligence in the diagnosis of depression is very promising. I suggest that the author describe this part in more detail.

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Title: Digital phenotyping in depression diagnostics: Integrating psychiatric and engineering perspectives

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05429012

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Jordan

Author's Country/Territory: United States

Manuscript submission date: 2021-06-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-17 16:56

Reviewer performed review: 2021-07-23 19:49

Review time: 6 Days and 2 Hours

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|---------------------------|---|
| Scientific quality | <input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish |
| Language quality | <input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection |
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|-------------------------------------|---|

SPECIFIC COMMENTS TO AUTHORS

first of all, I would like to thank the authors for their excellent efforts in preparing the manuscript. As this a review article, why is there a discussion part? regarding tables and figures, it is not clearly stated if they are made by the authors or copied from other references. it should be clearly identified to avoid future third party conflicts. the authors did not focus on the reactions of patients with depression, as such patients may not well cooperate with treating staff.