

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 69315

Title: Screening Dementia and Predicting High Dementia Risk Groups using Machine Learning

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05403787

Position: Peer Reviewer

Academic degree: MBBS, MD

Professional title: Doctor, Research Scientist, Statistician

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: South Korea

Manuscript submission date: 2021-06-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-28 16:35

Reviewer performed review: 2021-08-06 14:05

Review time: 8 Days and 21 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 Grade E: Do not publish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 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="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

I believe its a concise and well constructed article to highlight the importance of machine learning for screening high-risk dementia group. The language as well as the scientific quality of manuscript is excellent. There are minor changes that I would like to recommend; 1) The paragraph of 'Definition of machine learning' should be placed right after introduction section. In this way, the flow of the article will be better. 2) In abstract, line 4, add the word 'dementia' with the sentence 'predicting high-risk group...' 3) I believe its important to add an operational definition for 'High-risk dementia group'. It's unclear.