
Peer-Review Report

Peer Review of “Advancing Early Detection of Major Depressive Disorder Using Multisite Functional Magnetic Resonance Imaging Data: Comparative Analysis of AI Models”

Anonymous

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JMIRx Med 2025;6:e76747; doi: [10.2196/76747](https://doi.org/10.2196/76747)

Keywords: major depressive disorder; machine learning; functional MRI; early detection; artificial intelligence; psychiatry

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(AI); it could benefit from a more detailed comparison with the existing literature. How does the present study build on or extend previous work? Additional details on why previous AI studies have not focused on early detection could help contextualize the research gap you are addressing.

Round 1 Review

Specific Comments

Major Comments

1. This paper [1] provides sufficient information about major depressive disorder and the potential of artificial intelligence

Minor Comments

2. It's also important to emphasize that AI should complement, rather than replace, clinical expertise.

Conflicts of Interest

None declared.

References

1. Mansoor M, Ansari K. Advancing Early Detection of Major Depressive Disorder Using Multisite Functional Magnetic Resonance Imaging Data: Comparative Analysis of AI Models. *JMIRx Med*. 2025;6:e65417. [doi: [10.2196/65417](https://doi.org/10.2196/65417)]
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Abbreviations

AI: artificial intelligence

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