

# Review of: "An Improved Hybrid Transfer Learning-Based Deep Learning Model for Alzheimer's Disease Detection Using CT and MRI Scans"

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Potential competing interests: No potential competing interests to declare.

There are many studies in the literature with higher success. The effectiveness of the proposed method should be emphasized in the discussion section by comparing existing studies.

Additional SOTA deep learning studies focusing on deep learning models should be added in the related studies section and these studies should be cited in the discussion section.

While over 99% success has been achieved in existing studies (Ex: [doi.org/10.55525/tjst.1212513](https://doi.org/10.55525/tjst.1212513)) using pre-training architectures, the contribution of the 96% success achieved by the proposed method to the literature should be questioned.

Columns should be written in Figures 4, 6, and 8.

It should be calculated based on evaluation metrics of system performance. AUC/ROC curve plot should be added to the results.

How can it be concluded that the features obtained by pre-training architectures produce effective results without being optimized? A feature selection method can be applied.