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.

The study needs a lot of improvements.

1. The quality of the figures is extremely low. Also, the figures are not informative, but more generic.

2. It is suggested to provide a clearer diagram of the overall model architecture and the flowchart of the whole experiment.

3. Confusion matrix is a very basic way of evaluation. However, if authors have opted to do so, they must provide the confusion matrix for all models.

4. Explain how you computed false positives or false negatives as the study is based on multiclass classification.

5. Please improve Section 6 "Discussion and Significance of the Proposed Work". Compare your work exhaustively with the existing approaches.

6. Provide specific details for parameters and how you tune your hyperparameters to enhance the reproducibility of the study.

7. Share the source code in a GitHub repository, or provide a working demo as a web application for public usage.

8. There is some issue with the order and captions of Figures 4 and 5.

9. Also, the evaluation of DenseNet121 is missing.

10. Table numbers are also incorrect.

11. Explain the results and your findings in detail. For example, you have just cited the figures or tables. We know that Figure 6 Accuracy and loss plot generated by the VGG 16 but what did you find from it?

12. Also, "the classification report generated by the model on the specified dataset is shown in Table 3." So what do you infer/conclude from it?