

# 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.

This article proposes Transfer learning-based deep learning models for classifying AD patients. It is a valuable one in this regard but there are some minor issues that should be highlighted and explained in this article before publication:

Please find the following notes, questions, and recommendations:

1. In "Abstract": The abbreviation CT must be mentioned alongside the term "computed tomography". Also abbreviations must be mentioned alongside the explicit terms "early mental retardation", "mild mental impairment", and "late mild mental impairment"
2. In "Introduction" : It is preferred to use only one of the terms ("article", "research," "study," "paper", or "work.") for your article. And in line 7 abbreviations must be mentioned instead of terms.
3. The sources from No. 4 to No. 7 are old, and there are generally about 12 old sources. It is preferable that the references be within the last 5 years, starting from 2018, unless the source is a primary source or it is a book.
4. In "Related Works": the authors must mention the drawbacks of the existing method. Need modifications. Also regarding the related works from references (18 - 24), in addition to mentioning the used dataset, it is preferable to clarify what technique is used for each work and explain what the results indicate in the attached table Table1.
5. Is Figure 1 suggested by the authors for this article or from one of the used references? Please mention the references and change the location of the figure so that it is after the referring to it so that it is before paragraph 3.1. VGG16
6. In general, especially in the conclusions part, please indicate what improvement the authors applied according to the title of the article. This is because what I concluded is that the article just compared any of the three advanced networks, VGG16, DenseNet121, and ResNet50 had the best results