

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

Wenqi Shi<sup>1</sup>

<sup>1</sup> Georgia Institute of Technology

Potential competing interests: No potential competing interests to declare.

1. In the literature review, most of the existing work discussed are using SVM or RF etc. traditional ml models. Since this work focused on deep learning models, it might be reasonable if additional SOTA deep learning works are reviewed carefully.
2. It seems no class balance procedures are adopted. It is misleading in the Figure 2 to include a data balancing module.
3. For data description, besides the image-level data split, it is also worth mentioning patient-level data split to make sure no data leakage.
4. Figure 4&5 caption is incorrect.
5. Please improve the writing with further proofreading.