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.

Review Comments

The paper is well written and few points for improvement

1. To understand more information on the training strategy, can you describe the optimizer and learning rate scheduler in the experiments?
2. The architecture of the proposed network can be described with more information. It is difficult to understand how many feature extraction or modules are applied in the network.
3. State of art should be given clear in the introduction part, Specify the application and overview of the work in the introduction part.
4. The topic studied in this paper has been extensively investigated. The advantages of the current work compared with existing ones should be further emphasized. Also Furnish discussion to establish how the proposed method is unique or different from other existing methods.
5. Give the detailed performance metrics in results section need to be explained with how the result was achieved in proper description.

Include the following papers in reference section

[1] Suganyadevi, S., Seethalakshmi, V. & Balasamy, K. A review on deep learning in medical image analysis. Int J Multimed Info Retr (2021). https://doi.org/10.1007/s13735-021-00218-1

[2] Balasamy K, Suganyadevi S (2021) "A fuzzy based ROI selection for encryption and watermarking in medical image using DWT and SVD" Multimed Tools Appl 80, 7167–7186, https://doi.org/10.1007/s11042-020-09981-5.

[3] Balasamy, K., Krishnaraj, N. & Vijayalakshmi, K. Improving the security of medical image through neuro-fuzzy based ROI selection for reliable transmission. Multimed Tools Appl 81, 14321–14337 (2022). https://doi.org/10.1007/s11042-022-12367-4.

[4] Balasamy, K., Krishnaraj, N. & Vijayalakshmi, K. An Adaptive Neuro-Fuzzy Based Region Selection and Authenticating Medical Image Through Watermarking for Secure Communication. Wireless Pers Commun

(2021). https://doi.org/10.1007/s11277-021-09031-9.

[5] Suganyadevi, S., Seethalakshmi, V. CVD-HNet: Classifying Pneumonia and COVID-19 in Chest X-ray Images Using Deep Network. *Wireless Pers Commun* (2022). https://doi.org/10.1007/s11277-022-09864-y