

Review of: "CNN-MRI Detection of Fatty Infiltration, Rotator Cuff and Infraspinatus Muscle Atrophy in Shoulder Pain Patients"

Vishnuvarthanan Govindaraj¹

¹ Vellore Institute of Technology

Potential competing interests: No potential competing interests to declare.

The authors have offered a CNN-based deep learning technique that could be used to detect muscle ailments, which is quite impressive but needs to be improved in the following frontiers:

1. What was the impact of over-fitting during the processing of the images using the CNN method proposed?
2. How was the under-fitting issue resolved?
3. What about the hyperparameter setting?
4. What was the time duration behind the processing?
5. How did the authors evaluate the performance of the algorithm? I mean about gold standards or ground truth.
6. What was the machine configuration used for this research work, pertaining to the execution of the algorithm?

Refer to the following works for sure:

1. <https://doi.org/10.1016/j.inffus.2020.10.004>
2. <https://doi.org/10.1166/jmihi.2019.2692>
3. <https://doi.org/10.32604/cmc.2022.020140>
4. <https://doi.org/10.1016/j.compeleceng.2018.09.019>
5. <https://doi.org/10.1007/s11042-019-08344-z>