

Review of: "Deep Learning in Medical Image Registration: Introduction and Survey"

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Potential competing interests: No potential competing interests to declare.

This paper presents a survey of image registration with deep learning. This is an interesting work and the experimental results have demonstrated the effectiveness of the proposed method. However, there are still some issues need to be addressed for possible publication.

1. Image registration is a computationally intensive task and the deep learning as well. The authors need to describe the problems associated to current state of art in image registration that can be solved using deep learning approach. If there is no problem in current state of art then why to use more computationally intensive mechanism for no problem.
2. The paper fails to provide clear, critical conclusions that summarize the insights derived from the discussed techniques. A well-articulated ending, summarizing the key findings and providing a directional guide based on the comparative analysis, is vital.
3. The manuscript falls short in providing a comparative analysis of the discussed techniques, which is crucial for a survey paper. A detailed comparison, highlighting the pros and cons of each method, would significantly enhance the utility and impact of the paper. It is essential that the paper not only lists the techniques but also provides a critical analysis that aids readers in understanding the relative merits and demerits of each method, thereby guiding them in selecting an appropriate technique for specific applications.