

Answering reviewers

Dear Editors and Reviewers:

Thank you for your letter and for the reviewers' comments concerning our manuscript entitled "Application of artificial intelligence in clinical non-small cell lung cancer" (ID: 56778). Those comments are all valuable and very helpful for revising and improving the paper, as well as the important guiding significance to our researches. I have studied comments carefully and have made a revision according to the comments.

The main corrections in the paper and the responds to the reviewer's comments are as flowing:

Responds to the reviewer's comments:

Reviewer #1: The authors highlight the relevance of AI in lung cancer diagnosis, prognosis, pharmacological treatment. This subject is of great interest for the scientific community and especially for Lung cancer patients who could benefit from these technologies. The manuscript is well written and straightforward readable. I would suggest to include a figure on the general characteristics of AI correlated to the beneficial outcomes. In addition, authors should give their opinion regarding any potential pitfall of AI in lung cancer. According to the accuracy stated, which is around 90%, what happens to that 10% that may reflect AI pitfall/s?

Response:

1. A figure on the general characteristics of AI correlated to the beneficial outcomes has been made and added into the manuscript named Fig 1.
2. According to the accuracy stated, which is around 90%, what happens to that 10% that may reflect AI pitfall/s? According to the accuracy stated, which is around 90%, misjudgment may happen to because of that 10% which may reflect AI pitfalls.

Therefore, in clinical work, AI must be placed in a subordinate position .It should exist as an assistant of clinicians and provides auxiliary information under the supervision of doctors to avoid mistakes as much as possible. This words were added in the last part of "future challenge"

Special thanks to you for your approval and the good comments.

I have tried my best to improve the manuscript and made some changes in the manuscript. These changes will not influence the content and framework of the paper. And here we did not list the changes but **marked in red** in revised paper.

I appreciate for Editors/Reviewers' warm work earnestly, and hope that the correction will meet with approval.

Once again, thank you very much for your comments and suggestions.

Yours truly

Yong Liu