Reviewer’s report

Title: Comparative evaluation of image registration methods with different interest regions in lung cancer radiotherapy

Version: 0 Date: 15 Aug 2019

Reviewer: Ayten Cangir

Reviewer's report:

Dear authors,

I have reviewed the manuscript titled "Comparative evaluation of image registration methods with different interest regions in lung cancer radiotherapy". Congratulations to authors for such a well designed study. I think the manuscript needs some minor revisions. A well designed study with small sample size and needs some minor revisions. The article will be accepted after the requested corrections completed.

1-In Study design: Criteria for inclusion and exclusion of patients in this study should be given in more detail.
2-Page 7, Line 32: Tumors of patients were entitled as "lung malignant tumor" by the authors. However, it should be given for more detailed information on this subject.
3-Page 7, line 40: "Tumor size was 6.65±3.87 cm in diameter". Which diameter? Is it the largest diameter? Because tumors are not always spherical.
4-Page 8, line 18-20: Why were 53 patients divided into two groups including smaller tumor group and large tumor group according to the median tumor volume ? It should be explain and the importance of it should be supported by references.
5-There are no references from 7th line to 54th line on 11th page.
6-The aim of in this study is to compare the accuracy, advantages and disadvantages of different registration sites by CBCT images and planned CT images in patients with lung cancer. Therefore, the advantages and disadvantages of the methods should be evaluated in detail in the discussion section of the manuscript.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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