Reviewer’s report

Title: Computed tomography scan based prediction of the vulnerable carotid plaque

Version: 0 Date: 13 Jul 2017

Reviewer: Mahsa Ghaffari

Reviewer's report:

1. Adding ROC diagram is necessary. Further analysis such as area under the curve should be calculated to quantify the accuracy of your tests.

2. The study need better representation of statistical analysis.

3. Page 11, low case study (only 16 patients) should be added to limitation of this study. In the abstract 53 patient case is written while many retrospective cases were not acceptable for this study!

4. Figure 4 are not readable and are not at the level of scientific paper. The reviewer suggest to increase the quality of Figure 4 and add more explanation for Bland-Altman plot.

5. The reviewers are concerned that all figure captions contained only brief descriptions, failing to illustrate the need or impact of the graph. Could the authors please include text in the figure captions which direct the reader towards the notable features of each graph?

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 recommend additional statistical review

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

Needs some language corrections before being published

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