Reviewer’s report

Title: Multiple aneurysms in subarachnoid hemorrhage - Identification of the ruptured aneurysm, when the bleeding pattern is not self-explanatory. Development of a novel prediction score.

Version: 0 Date: 20 Oct 2019

Reviewer: Amr ABDULAZIM

Reviewer's report:

The authors describe the development of a statistical model for the prediction of the ruptured intracranial aneurysm after SAH in patients harboring multiple intracranial aneurysm. Although, rare there might be a few cases where the bleeding pattern in the initial CT scans does not allow for a reliable identification of the ruptured aneurysm. Therefore, it is important and also highly interesting to develop an objective tool that may support neurovascular units in guiding treatment decisions on which aneurysm to treat as treating the "wrong" aneurysm may cause disastrous clinical courses and functional outcomes. The authors did a pretty good job in systematically analyzing their dataset and develop a pragmatic and helpful prediction model. However, there is one issue:

The description of the statistical model used in this study and its application is not reported comprehensibly enough in my view. Thus, the results reported (page 6, line 51 - page 7, line 8) are not comprehensible neither. Here, a more detailed description at least as a supplement with more comprehensive illustrations would increase the value of this 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.

Yes

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:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal