Reviewer's report

Title: A Simple Prediction Model to Estimate Obstructive Coronary Artery Disease

Version: 0 Date: 29 Sep 2017

Reviewer: Leonid Goubergrits

Reviewer's report:

The manuscript "A simple prediction model to estimate obstructive coronary artery disease in patients with suspected coronary artery disease" propose and test the modified Framingham scoring by adding of three parameters (anemia, high-sensitivity C-reactive protein and left ventricle EF).

The new model has higher predictive power and seems to be a better predictive model.

Major Comments:

The new score model should be described in the manuscript in more details including a definition of scoring for protein and EF parameters. In general only figure 3 shows the new model.

You noted that a logistic regression model was developed. Please, include the model (equation) into the manuscript.

According to your text, i suppose that you tested a large set of parameters before the final model was elaborated. it is not clear which parameters you tested.

Minor Comments:

I recommend to change the title of the manuscript in order to avoid a use of "coronary artery disease" term twice in the title.

Described in the text figure 1 is a study flow, but the figure included in the manuscript was score distribution.
Please add also a definition of hypertension.

I wish a better comparison between two models may be visualized by a figure.

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

No

**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 recommend additional statistical review

**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