Reviewer’s report

Title: Large-scale external validation and comparison of prognostic models: An application to chronic obstructive pulmonary disease

Version: 0 Date: 14 Nov 2017

Reviewer: Takashi Motegi

Reviewer’s report:

I would like to thank for the opportunity to review this interesting paper.

This is a very well-designed research. Manuscript has been created with great care.

Comments in discussion cover properly identified results.

There are some doubts, but I can recommend its adoption without major modification.

Minor comment

P18, line 359

Even if it is either method, the AUC has only less than 0.7. I think that no method has so good prognostic predictive value in these study. I feel a little doubt whether these values are clinically meaningful.

P22, line 414

I think that the reason why ADO index was dominant is that the element of many complications is inherent in age. However, there are the patients having few complications at the advanced age. I think that it is necessary to directly evaluate complications like COTE index. Is it better to search for complications because it is older or because ADO index is higher? I think that it is common for physicians to search for other diseases at the time of medical treatment of elderly patients.

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

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