Reviewer’s report

Title: Derivation and validation of a model predicting the likelihood of vaginal birth with labor induction

Version: 0 Date: 12 Dec 2018

Reviewer: José Guida

Reviewer’s report:

Dear authors, thanks for the opportunity of reviewing this interesting manuscript. Performing IOL is becoming more and more common on daily practice and having a tool to predict success of vaginal birth is a key tool to convince women in their decision. In countries where c-section rates are raising year-by-year, a tool like this is essential.

However, after reading your manuscript, my feeling is that I could not understand clearly how each of the variables impact on the likelihood of vaginal birth. Of course after reading table 2 it became clear, however to someone not used with statistical it may be hard to understand. I suggest that you include a table or even a figure to make easier to understand the impact of each variable on your model. I also think that the final equation of your model should be published in this manuscript (of course I understand you will use it in another article, probably performing external validity).

Other suggestion is to add some more information about the Akaike Information Criterion on your methods section. Also, the first phrase of the 1st paragraph of your discussion is out of context. Finally, figure 3 has to be improved because its resolution is poor in current format and also I would add Bishop data on patient 1 and 3 (I know they are the same, however it would be more informative on your figure to have all data).

Thanks again for this opportunity and I really hope this model be very succesful helping clinicians worldwide.

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.

Unable to assess

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?
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I am able to assess the statistics

Quality of written English
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