Dear Editor,

Thank you for your feedback. We would like to thank the reviewers again for their valuable reviews.

We have responded to the new comments in the following paragraphs.

Reviewer #2

1. Results

Sex

"The odds of unfavorable outcomes for women were 0.74 (0.86 ~ 0.64), 0.91(0.81 ~ 1.03) and 0.97 (0.82 ~ 1.14) in the logistic regression, the proportional odds model and the sliding dichotomy model respectively."

There is a mistake in the confidence interval of the first odd. Just an inversion probably. Could you correct it?

Authors’ Response: We apologise for the mistake. We corrected it in the main document. The revised sentence in the last paragraph of subsection ‘Sex’ (page 13):
“The odds of unfavorable outcomes for women were 0.74 (0.64 ~ 0.86), 0.91 (0.81 ~ 1.03) and 0.97 (0.82 ~ 1.14) in the logistic regression, the proportional odds model and the sliding dichotomy model respectively.”

2. Figure 1

Could you please give the legend of the figure (data set? Meaning of "treatment A", "treatment B")?

Authors' Response: This figure is a general graph to visually describe the sliding dichotomy model. Treatment A and B generally represents the target covariate. For example, in a proper clinical trial "Treatment A" will be "Placebo group" and "Treatment B" will be "Treatment Group". I this study, we did not apply any treatment. Rather the sex and age groups worked as target covariates.

As we are only applying the model, providing the detailed algorithm of each model will derail the focus of the study. The reference should provide more details. However, the authors formulated the figure. Therefore, there is no issue of copyright.

It didn't appear so clearly in your manuscript that Figure 1 is "a general graph to visually describe the sliding dichotomy model". "However, the authors formulated the figure".

Could you please cite the authors of the figure? Otherwise, making the same kind of graph with the CRASH data and "male" "female" instead of "treatment A" and "treatment B" would be of great value to illustrate your explanation.

Authors’ Response: Thank you for your suggestion. The figure is now edited by replacing male" and "female" instead of "treatment A" and "treatment B".

Thank you considering our paper. We have edited the manuscript in accordance with the suggestions of the reviewers.

Best regards,

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