Reviewer’s report

Title: Age Effect on In Vitro Fertilization Pregnancy Mediated by Anti-Mullerian Hormone (AMH) and Modified by Follicle Stimulating Hormone (FSH)

Version: 0 Date: 07 Feb 2020

Reviewer: Wondwosen Yimer

Reviewer's report:

Few comments on the statistical methods section:

* The author used logistic mixed model analysis instead of the standard logistic regression where random effects are included in the model to reflect site-specific effects. It would be nice if the authors could mention why such random effects models were used in their methods section and include some results associated with the random effects (if possible, standard deviations) and also add few comments in their discussion and conclusion.

* It is stated in Line 15-16 of the Results section that the interaction term FHS*age is significant but not AMH*age. However, it looks like the confidence intervals of either estimates include 1, which usually implies insignificance of ORs. Have the author also checked this based on the p-values?

* Typos: Table 2, Model 7, the estimate corresponding to FSH*age is outside the confidence interval

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

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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

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