Reviewer’s report

**Title:** A cohort study of the association between maternal serum inhibin-A and adverse pregnancy outcomes A population-based study

**Version:** 0  **Date:** 17 Jan 2019

**Reviewer:** Parvin Abedi

**Reviewer's report:**

1. Introduction: it is better that authors start this section with the screening tests not with the down syndrome.

2. Introduction: line: 40: please state the name of the country.

3. Introduction: line 53-57: please cite these sentences. Also the following sentence needs to be cited: Additionally, the results from previous studies are inconsistent.

4. Introduction: what is the mechanism for the increase or decrease of inhibin-A as a component of quad test?

5. What was the hypothesis of this study, please mention at the end of the introduction.

6. Method: we need to have more information about the initial cohort study, e.g. when did it start with how many participants?

7. Statistical analysis: please state that in which level of significantly variables were entered to the logistic regression. And what were the confounding variables that you adjusted for them.

8. Method: please mention the normal range of inhibin-A.

9. Method: please cite all pregnancy outcome definitions (preterm labor…).

10. Please explain the procedure for the measuring PPH.

11. Results: table 1: please state that how did you categorizes the socio-economic status of participants? And why you do not have any medium category?

12. Why authors in table 2 used relative risk and in table 3 they used OR in the logistic regression? If it is possible, please show the crude and adjusted OR in one table. And please indicate which factors you adjusted.

13. Discussion: please cite line 6-9, also 14-17 and 26-29.
14. One of the limitations of this study is: participants were not enrolled randomly and cannot be
generalized to the whole population of the country.

**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

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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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Needs some language corrections before being published

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