Reviewer’s report

Title: Increased the risk of pulmonary hypertension following premature birth

Version: 0 Date: 14 Jan 2019

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER ASSESSMENTS:

OBJECTIVE - Full research articles: is there a clear objective that addresses a testable research question(s) (brief or other article types: is there a clear objective)?

Yes - there is a clear objective

DESIGN - Is the current approach (including controls and analysis protocols) appropriate for the objective?

Yes - the approach is appropriate

EXECUTION - Are the experiments and analyses performed with technical rigor to allow confidence in the results?

Yes - experiments and analyses were performed appropriately

Statistics - Is the use of statistics in the manuscript appropriate?

Yes - appropriate statistical analyses have been used in the study

INTERPRETATION - Is the current interpretation/discussion of the results reasonable and not overstated?

No - there are minor issues

OVERALL MANUSCRIPT POTENTIAL - Is the current version of this work technically sound? If not, can revisions be made to make the work technically sound?
Probably - with minor revisions

PEER REVIEWER COMMENTS:

GENERAL COMMENTS: This study seems to be quite interesting. The study is more valid as it is population-based. The discussion however needs more information.

REQUESTED REVISIONS:

This study seems to be quite interesting. In the abstract please minimize the methods component and add more useful results.

Methods are mostly well explained. You must include on what grounds the PAH was diagnosed in these cases.

In results, over 26 years, there were only 128 cases of pulmonary hypertension? Is this number correct? Among the cases, 10 had chromosomal abnormalities, if you exclude this and analyze further what is the risk of PAH vs preterm-please provide statistics.

Discussion: Please address the limitations of this study. Please also inform about the factors that are not explored in this study. I believe that large number of preterm birth did not have pulmonary hypertension in your group (considering the 6% as preterm birth)-this factor is not discussed. Hence it is likely that factor other than preterm birth is contributing more to pulmonary hypertension. Please inform also below what gestational age neonates are at increased risk for PAH.

Conclusion: Modify, Preterm birth along with other factors significantly contribute to PAH.

ADDITIONAL REQUESTS/SUGGESTIONS:

Minor language polishing

Note: This reviewer report can be downloaded - see attached pdf file.

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.

No

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:

Needs some language corrections before being published

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

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