Reviewer’s report

Title: Seasonality, temperature and pregnancy oral glucose tolerance test results in Australia

Version: 0 Date: 20 Mar 2018

Reviewer: Emmanuel Cosson

Reviewer's report:

The study deals with seasonality and temperature / OGTT and GDM prevalence in Australia.

It is not really original as several studies have been published with this topic in Australia. However, it is the first time that neonatal outcomes are explored.

Major issues

- The four seasons and not only summer and winter should be considered.
- The characteristics of the women should be compared according to seasons in a Table and considered as potential confounding factors.
- Data about temperature: please show a table or a figure showing FPG 1HPG 2HPG HbA1c HOMA according to increasing average monthly temperature
- Idem for umbilical cord data
- A limitation section should be added. For example, average temperature was calculated for each month, therefore it is not individual and not considered at the time of OGTT. Eventually, the days before the OGTT should be considered.

Minor issues

* Result section:
- choose Fall or Autumn
- present classification of seasons first and not after the results by seasons; idem for the monthly temperature
* Discussion
- Again add a limitation section

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.

No

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:

Acceptable

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