Reviewer’s report

Title: The effects of daily meteorological perturbation on pregnancy outcome: Follow-up of a cohort of young women undergoing IVF treatment

Version: 1 Date: 11 Oct 2019

Reviewer: Raymond H.W. Li

Reviewer's report:

The authors have made amendments according to most of the previous suggestions, and the manuscript has been language edited and has been substantially improved.

Specific comments:
1. The authors were analysing meteorological data from the start of ovarian stimulation (CYCL) only. Those using the antagonist protocol should be eligible to join the study and there is no need to exclude them, and they can be incorporated in the main group instead of in a separate subgroup. For this reason, what the authors are discussing in lines 398-401 is not quite relevant.
2. Thanks the authors for looking into the issue of missing/wrong data mentioned in the previous version. I suggest the sentence within the brackets in line 126-127 (tracked copy) be deleted as it is a bit odd to highlight individual cases of wrong electronic data entry. It is fine enough as long as they indicated that they had exercised a mechanism to verify their data, which is more important. May I clarify if the authors had already included these cases (with "incorrect or missing data" originally) back and repeated the data analysis? Have all the figures been updated accordingly?
3. I appreciate to see the analyses based on the first IVF cycle and in patients undergoing repeated cycles separately. I think it is a very good approach to address their research hypothesis.
4. Line 302 of the tracked copy: "7th to 9th months" can be deleted; I think the authors just mean July to September.
5. Lines 314-315 of the tracked copy: "The proportion of this subgroup of patients was balanced in both clinical and laboratory data". Please explain more clearly what does this sentence mean.
6. Lines 316-317 of the tracked copy: "the pregnancy probability increased during CYCL to ER toor OR and OR to ER" - meaning not clear.
7. Table 4: Please define what is the "subgroup" referring to here. The caption of the table should be self-explanatory without referring back to the main text.

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