Reviewer’s report

Title: Insulin resistance as estimated by the homeostatic method at diagnosis of gestational diabetes in relation to its severity and beta cell function: implications for personalized therapy in population-based study.

Version: 1 Date: 23 December 2012

Reviewer: Renata Saucedo

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Minor Essential Revisions
1. Material and methods. The authors say that the screening for gestational diabetes mellitus (GDM) was made between 24 and 28 weeks of pregnancy, but there are some inconsistencies because in table 1 the mean of gestational age at diagnosis of GDM is 23.92; and in the results section the authors say adjustment for time of GDM diagnosis was made (<22 vs > 22 week).
2. Results. It is not specified if some participants had a prior history of GDM in prior pregnancy
3. Statistical analysis. The ANOVA analysis should include the post hoc test used to compare means. It is mentioned Spearman’s correlation but in the results section it is not described any correlation.
4. Table 1. The BMI is before pregnancy?? At time of diagnosis??
5. Discussion. The limitations of the study are not included; the authors might improve this section analyzing the use of HOMA-IR and HOMA-B during pregnancy. See Kirwan JP, et al. Diabetes Care 2001; 24: 1602-1607.
6. It is not mentioned hsCRP in the list of abbreviations

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests