Reviewer's report

Title: Borderline gestational diabetes mellitus and pregnancy outcomes

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Reviewer: Peter Damm

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Borderline gestational diabetes mellitus and pregnancy outcomes

Ju et al.

This is an interesting analysis on the impact of borderline glucose intolerance on perinatal outcome. It is based on a secondary analysis of data from a RCT on vitamin C and E supplementation for prevention of perinatal complications. This RCT is referred to the ACTS-trial – please spell out ACTS for the general reader not familiar with the study.

Two groups were studied 1. pregnant women with an abnormal GCT but a normal OGTT (BGDM) and 2. women from the pregnant background population with a normal GCT.

The BGDM group had an increased risk of several maternal and neonatal complications.

Major Compulsory Revisions

Women in the BGDM group were older and more obese – both risk factors for poor obstetrical outcome. Therefore I wonder why multivariate analyses with correction for these factors were not performed. Such analyses could be valuable in the interpretation of the data – i.e. if the increased morbidity is associated with borderline glucose intolerance or obesity or both. Such considerations could also be discussed in the Discussion.

Discretionary Revisions

It seems like parity was not taken into account in the analyses – is this because information on this variable it was not available?

Minor Essential Revisions

p. 7, l. 4: preterm delivery is defined as <27 weeks – I expect this is a spelling error and should be 37?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.
Declaration of competing interests:

I declare that I have no competing interests