Reviewer’s report

Title: APCR, FV gene known and novel SNPs and adverse pregnancy outcomes in an Irish cohort of pregnant women

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Reviewer: Beverley Hunt

Reviewer’s report:

The authors have considerably improved the manuscript but there are still some major faults in this paper that prevent its publication.

The removal of data on prothrombin 20210 & MTHFR allows the paper to concentrate on APCR & FV gene SNPs.

However the authors have not addressed;
1) the issue of testing APCR during pregnancy. They need to admit that this is a major fault in the paper in the discussion.
2) They have the potential to answer the important question as to whether Factor V Leiden is associated with adverse pregnancy outcome. It seems they have all the data on this but have only given the data in those with ARC resistance & performed an internal comparison.

They need ideally to compare those with Factor V Leiden with those without.

Furthermore they need to breakdown the adverse pregnancy outcomes into the different groups for analysis as lumping them all together in this way is not meaningful.

I suspect that due to the size of the study they may obtain meaningful results thy analysing each outcome separately. If this is not possible then at least they could compare those with placental dysfunction i.e., PET & IVGR. They have listed LBW & IVGR separately but are they not the same?? Once this further analysis is performed there needs to be more in the discussion related to the literature around pregnancy outcome and APCR/Factor V Leiden and then their discussion.

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:
No