Reviewer's report

Title: EFFECTS OF FACTOR V LEIDEN POLYMORPHISM ON THE PATHOGENESIS AND OUTCOMES OF PREECLAMPSIA

Version: 3 Date: 28 Oct 2019

Reviewer: Mariza de Andrade

Reviewer's report:

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The authors answered well my question re: the Factor V Leiden. The Ghana females used in the study do not have the FVL mutations as reported in the Caucasian populations.

The authors used the exon 8 and 10 in FV gene to verify the effect of FV gene in women with PE. Their conclusion was that the FVL mutation has allele frequency of 0.33 for allele A in the Ghana sample.

The mutation was associated with uric acid, liver enzymes and blood cell that suggested of acute inflammation, i.e., increased white blood cells increased uric acid and a three-fold increment of ASL/ALT ratio that was observed in PE cases when stratified by FV exons 8 and 10. The results of the analyses showed that there are differences between FVL and age, SBP, DBP, liver enzymes, white blood cells and hemoglobin levels.

In summary, this paper was very interesting re: FVL and true African female population.

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?
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Yes
Are the conclusions drawn adequately supported by the data shown?  
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I am able to assess the statistics

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