Reviewer’s report

Title: Association analysis between the tag single nucleotide polymorphisms of DENND1A and the risk of polycystic ovary syndrome in Chinese Han women

Version: 1 Date: 23 Sep 2019

Reviewer: Kyu Ri Hwang

Reviewer's report:

The present study investigated Association analysis between the tag single nucleotide polymorphisms of DENND1A and the risk of polycystic ovary syndrome in Chinese women. This study presents interesting findings, but there are something concerns that need to be revised.

Specific comments are as follows.

1. It would be nice to see more information about the subject recruitment including the distribution of PCOS subtype. Were they recruited from clinics? How the authors chose controls? If all controls were taken serum androgen measurements, what was the main reason for biochemical tests in table 1?

2. What cut-offs did the authors use to define hyperandrogenism (both clinical and biochemical)? Have these assays and cut-offs been established and validated in the population?

3. Why AMH and metabolic parameters are not measure in the subject 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?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review? If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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