Reviewer's report

Title: Prevalence and predictors of metabolic abnormalities in Chinese women with PCOS

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Reviewer: Huai Feng

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This study suggested that the prevalence of MetS and IR were significantly higher in PCOS women than non-PCOS women in general population of China, while the occurrence of MetS and IR were significantly higher in hospital PCOS than community PCOS. The risk factors were BMI and FAI in the metabolic syndrome and insulin resistance in PCOS women, respectively. SHBG was a bio-marker of insulin resistance in both PCOS and metabolic disturbance, which is very interesting and useful data for fully understanding PCOS.

Additional comments:
1. This prevalence should be better to have study route in the diagram.
2. Authors need to be clarified the standards for community PCOS and Hospital PCOS respectively.
3. Authors should address the procedures for selecting participants.
4. Figure 1 has to re-do it based on the quality.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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.