

## Format for ANSWERING REVIEWERS

December 25, 2014

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: 13634-review.doc).

**Title:** Role of peroxisome proliferator-activated receptors gene polymorphisms in type 2 diabetes and metabolic syndrome

**Author:** Chen Dong, Hui Zhou, Chong Shen, Lu-Gang Yu, Yi Ding, Yong-Hong Zhang, Zhi-Rong Guo

**Name of Journal:** *World Journal of Diabetes*

**ESPS Manuscript NO:**13634

The manuscript has been improved according to the suggestions of reviewers:

Response to Reviewer 1:

This review is very well written, compactly presenting the a large amount of information about the impact of gene polymorphisms of PPARs on the development of MetS in T2DM patients. I believe that this review will contribute to an advanced understanding of the etiology of MetS. Nevertheless, this manuscript requires minor revisions before publication in World Journal of Diabetes. 1) In page 3 line 19, "This review is aim to" should be rewritten as "This review is aimed to". 2) In page 3 line 29, "for risk of MetS" should be rewritten as "for the risk of MetS". 3) In page 4 line 23-24, "Leu162Val polymorphism is not only plays a pivotal role in the T2DM development, but also significantly associated with the risk of MetS" should be rewritten as "Leu162Val polymorphism not only plays a pivotal role in the T2DM development but also is significantly associated with the risk of MetS" or "Leu162Val polymorphism is not only playing a pivotal role in the T2DM development but also significantly associated with the risk of MetS. 4) In page 4 line 24, "In young white males" should be rewritten as "In young Caucasians males" because the usage of the names of colors to indicate specific races is not recommended from the standpoint of desegregation or anti-racism. Although the authors of the original paper [ref 21] used the term "white males" in small parts in Abstract and Discussion, they used the term "Caucasian" in the major parts of the paper. 5) In page 5 line 26, "could enhanced" should be rewritten as "enhanced". 6) In page 6 line 17, "white people" should be rewritten as "Caucasian people" from the same reason as described in 5) although authors of the original paper [ref 47] used the word "white" throughout the paper. 7) In page 6 line 23, "it could be demonstrated" should be rewritten as "it was demonstrated" 8) In page 8 line 5, "substitution of alanine for proline" should be rewritten as "substitution of alanine by proline". 9) In page 10 line 5, "IGT" should be rewritten as "Impaired glucose tolerance (IGT)" to show its non-abbreviated form.

**Thanks a lot! We corrected the manuscript according to the comment. Please find them in the new version of revised manuscript.**

Response to Reviewer 2:

The subject of the work of Dong et al. briefly summarizes the latest scientific knowledge on the polymorphisms of the PPAR family in the regulation of insulin sensitivity, adipogenesis, lipid metabolism, and blood pressure. The genetic polymorphisms that are significantly associated with the onset and progression of the metabolic syndrome and type 2 diabetes in different populations around the world are interesting both for the clinical aspects that for future scientific speculations. The work requires a careful evaluation of the acronyms, which are many and in some cases are confusing, for example in the paragraph "PPAR-delta .... in MetS," TC is indicated both as Total Cholesterol and as TC genotypes (thymine-cytosine). It would be better to always specify the names of the lipids and let acronyms genotypes. Finally, in some places even the English should be checked.

**According to reviewer's suggestions, we carefully correct the manuscript. Thank you very much!**

Response to Reviewer 3:

The manuscript reviewed the recent advances in the relationships between PPARs polymorphisms and MetS and T2DM. Moreover, the effects of gene-gene interaction among PPARs genes on the MetS and T2DM also have been discussed.

**Thank you very much for the positive comments!**

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