Author’s response to reviews

Title: Estrogen Receptor 1 Gene Polymorphisms Are Associated with Metabolic Syndrome in Postmenopausal Women in China

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Title: Estrogen Receptor 1 Gene Polymorphisms are associated with the metabolic syndrome in Postmenopausal Women in China

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Response to Reviewers’ comments

Dear Dr. Pradeepa,
Thanks for your careful consideration of our manuscript. We appreciate your response and overall positive initial feedback. Under the premise of your hard work on our manuscript, our article is getting better and better. We really appreciate your hard work. According to the comments made by the reviewers, we have modified the manuscript to improve the presentation of our results. Now we provide a more complete context for the research that may be of interest to your readers.

We hope that the revised paper suitable for the publication of BMC Endocrine Disorders, and we look forward to contributing to your journal. Please do not hesitate to contact us if there are other questions or concerns in the manuscript.

Best regards,

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Technical Comments:

1. Please include a statement regarding the contributions of ALL authors under the “Authors’ Contribution” section of the Declarations. Please represent author’s names using their full initials, not their name. If there are any duplicated initials, please differentiate them to make it clear that the initials refer to separate authors.

Response: Thanks for your suggestion. We have written a new statement regarding the contributions of ALL authors under the “Authors’ Contribution” section of the Declarations. (Authors’ Contribution section Page 19)

2. We noted that the emails provided for Lingxia Zhao and Guoping Zheng in the manuscript do not match those provided in editorial manager. Please clarify which emails are correct and amend either the manuscript or editorial manager so that they match.

Response: We are very sorry for the mistake. This error was caused by the failure to check the email name clearly on the first submission. We changed the email provided for Lingxia Zhao in the editorial manager to the same one in the manuscript. We changed the email provided for Guoping Zheng in the manuscript to the same one in the editorial manager. (Title page section Page 1)

3. We noted that the title of your submission as given on the manuscript does not match that of the one provided in editorial manager. Please amend one so that they match.

Response: We are very sorry for the mismatch. We amend the title of our submission as given on the manuscript provided in editorial manager.

4. We note that the current submission contains some textual overlap with other previously published works, in particular. This overlap occurs throughout your paper.
While we understand that you may wish to express some of the same ideas contained in these publications, please be aware that we cannot condone the use of text from previously published work. Please re-phrase these sections to minimise overlap.

Response: We are very sorry for the overlap. We amended the following contents of the article.

1) ABSTRACT Part of Method section. We re-phrased the second sentence. (Abstract section Line17-18 Page2)

2) ABSTRACT Part of Results section. We re-phrased the third and fifth sentence. (Abstract section Line2-3 Page3) (Abstract section Line6-9 Page3)

3) ABSTRACT Part of Conclusions section. We re-phrased this section. (Abstract section Line11-17 Page3)

4) RESULTS Part of Demographic and clinical variables section had been re-phrased. (Result section Line13-22 Page10)

5) RESULTS Part of Allele frequencies and genotype distribution section had been re-phrased. (Result section Line1-7 Page11) In addition, (Result section Line9 Page11) “patients” was changed to “MetS”. (Result section Line11 Page11) “was” was changed to “were”.

6) RESULTS Part of Haplotypes of the four SNP distributions section had been re-phrased. (Result section Page11-12)

7) RESULTS Part of Relationship between genotypes and clinical characteristics section. The first paragraph was already re-phrased. (Result section Line6-21 Page12)

8) DISCUSSION Adjust the sentence in the second paragraph of the discussion section to the first paragraph. (Discussion section Line18-20 Page13)

9) DISCUSSION A sentence is added at the end of the first paragraph in the DISCUSSION section. (Discussion section Line6-7 Page14)
10) DISCUSSION In the DISCUSSION section, put the third paragraph at the end of the second paragraph. (Discussion section Line19-24 Page14) (Discussion section Line1-3 Page15)

11) DISCUSSION We replaced the 35th paper with “Association between ESR1 and ESR2 gene polymorphisms and hyperlipidemia in Chinese Han postmenopausal women.” (References section Line20-22 Page24) We re-phrased the citation about this article in DISCUSSION. (Discussion section Line15-18 Page15)

12) DISCUSSION We replaced “RsaI and AluI” with “polymorphisms” in the DISCUSSION section. (Discussion section Line23 Page15)

13) DISCUSSION We replaced “rs4986938” with “AluI (rs4986938) of” in the DISCUSSION section. (Discussion section Line1 Page16)

14) DISCUSSION We have re-phrased the last lines of the DISCUSSION section. (Discussion section Line5-9 Page16)

15) CONCLUSION We have re-phrased part of the conclusion section. (Conclusion section Line22-24 Page16) (Conclusion section Line1-5 Page17)

16) CONCLUSION We have replaced the “pathophysiology” with the “epidemiology” in the last sentence of the conclusion. (Conclusion section Line6 Page17)

5. Please remove the funding information from the Acknowledgements and include it in the Funding section instead. If you have no further acknowledgements please put “Not Applicable” in the Acknowledgements section.

Response: We agree with the Reviewer. We remove the funding information from the Acknowledgements section. In addition, some changes have been made in the Acknowledgements section. (Acknowledgements section Line4-6 Page19)

6. We noted that you have not cited Table S1 in your manuscript.
Response: We are very sorry for the error. In the last revision process, I mistakenly believed that "Table S1" needed to be deleted. So I deleted "Table S1" by mistake. We have added a "Table S1" at the appropriate place in the article. (Result section Line18 Page11)

7. Please add a section "Additional files" (after the References/Figure legends) where you list the following information for each additional/supplementary file in the file inventory:

- File name (e.g. Additional file 1)
- Title of data
- Description of data

Response: Thanks for your good advice. We have added a section "Additional files".

8. At this stage, please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colours. All relevant tables/figures/additional files should also be clean versions. Figures (and additional files) should remain uploaded as separate files.

Response: Thanks for your good advice. We uploaded our manuscript as a single, final, clean version.

We also found some minor mirrors existed in the paper and listed them in the following.

Minor mirrors:

1. There is a typographical error in the BACKGROUND section. We have corrected. (Background section Line4 Page5)

2. There is a typographical error in the DISCUSSION section. We have corrected. (Discussion section Line1 Page15)
3. There is an error with the decimal count in Table 4 (Waist circumference, HbA1C, Systolic blood pressure and Diastolic blood pressure) We have corrected the error. (Result section Line3,5,6,7 Page30)

4. There is a non-uniform format of punctuation in table 3 (⟨⟩), which we have corrected.

5. There are number errors in the Supplementary table 2(line1) and Supplementary table 3(line1). We have deleted.