Dear Editors and Reviewers,

On behalf of all authors，we thank you for our manuscript being considered as the

potentially interesting for WJD, and thank reviewers for the useful comments that they have made to improve the paper.

We have modified the manuscript carefully according to editor's and reviews' comments and suggestions. Next, we will reply the issue point by point.

Reviewer 1

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

1. I hope to work on including the most important research findings in the results section of the study abstract.

     Thank you for the comment, we have added content of result

2. The introduction is too short and needs to be updated with new references, as well as allocating the last paragraph to add the purpose of the study while working to better connect its paragraphs.

     After read the manuscript carefully, we regulated the content of introduction and updated new references according the manuscript

3. The methodology is well written, but the statistics section in the end need more pronouncements.

     About statistics section of method, we have improved details of statistics analysis.

4. I noticed that there are images and tables in the discussion section, and they should be moved to the results section, which is, of course, the proper place.

     We considered carefully, the image and table was moved to introduction, because this part mainly as the background to describe the effect of rs1137101 in LEPR.

5. Work to remove any tables or images from the discussion section, while also including study limitations, strengths, and recommendations.

     Tables and images have removed from discussion section

6. Work on summarizing the conclusion section more thoroughly.

     We have modified he conclusion section carefully

7. References need to be updated whenever need.

     The references have been updated

8. There are some minor typos.

     We have careful read and revised the typos

Reviewer 2

Scientific Quality: Grade D (Fair)

Language Quality: Grade B (Minor language polishing)

Conclusion: Major revision

1, I recommend adjusting the manuscript style according to the Baishideng Publishing Group Inc. requirements (e.g., key words, brackets, titles, subtitles, references, etc.). You can check previous research articles published in the World Journal of Diabetes.

Thank you for your recommend, we have written abstract again according the journal requirement.

2, There are several sentences through the text that are not in the spirit of English language. I recommend English language editing one more time, from a native speaker if available. E.g., Line 112 "No significant departure from the HWE was detected", you meant on deviation or deflection instead of departure?   Line 50-51, it is unclear on what is meant "LEPR resulted in lower values" of what? Please clarify or rephrase the sentence.

We have modified these sentences properly

3, I recommend adjusting the manuscript abbreviations and usage of its particular pairs (full word). Somewhere you have used DM while somewhere diabetes, also hypertension and HTN. When you explained word with abbreviation please use abbreviation afterword.

The abbreviation and full word have modified

4, Line 73, I recommend citing references of criteria used for diagnosis of T2DM and HTN.   Line 86-87, the sentence is unclear. Please rephrase it.   Line 89, I recommend full words before using abbreviations (TG, etc).   Line 96-97, the sentence is unclear. Please rephrase it.

We have rephrased these unclear sentences by right expression

5, Please explain abbreviations under each Table and Figure. You can check previous research articles published in the World Journal of Diabetes for instructions.

We have added the explain abbreviations under each Table and Figure

6, In Table 1 we can find quite discrepancies in baseline characteristics between the groups. This could influence the results. You have find correlation between lepr gene polymorphism, rs1137101 and HTN in Mongolian Chinese, but not for HTM+T2DM. You have stated earlier in the introduction that "The polymorphism, rs1137101 (Gln223Arg), has been the subject of several studies and has also been related to both DM and HTN." I recommend performing new calculations with adjustment for confounders.

All of the OR and p value have calculated by adjusted for age and sex

7, Table 2 and Table 3, I recommend inserting number of participants (n = …) in each subgroup, as you have documented in Table 1.   Some parts of the Discussion section are more suitable for the introduction section, including figures and Table 7. Eg. "The polymorphism, rs1137101, of the lepr gene is located on chromosome 1: "65592830 and involves a substitution of the 223rd amino acid residue, gln (Q), for Arg (R)., etc" Please check the Uniform Requirements for Manuscripts Submitted to Biomedical Journals formulated by the International Committee of Medical Journal Editors (ICMJE) under IV. Manuscript Preparation and Submission section.

The number has inserted in table 2 and table 3 and the express of "The polymorphism, rs1137101, of the lepr gene is located on chromosome 1: "65592830 and involves a substitution of the 223rd amino acid residue, gln (Q), for Arg (R)., etc" has modified.

8, Please check citing internet sites as references. You can check previous cross sectional research articles published in the World Journal of Diabetes.

Thank you for reminding, we have check the article and modified the manuscript reference them.

Reviewer 3
Scientific Quality: Grade C (Good)
Language Quality: Grade C (A great deal of language polishing)
Conclusion: Major revision
 I have reviewed carefully the paper by Keyu Zhao et al. on the association of the leptin receptor gene SBNP with hypertension and T2DM in Inner Mongolia region. The manuscript has an interesting data on specific population, whoever further modifications and editing are required. Please find my remarks below:
1) The Abstract should be structured
 Thank for you recommend, the Abstract have been written in structure
2) Conclusion from the Abstract is missing
 The conclusion has added
3) Unnecessary data in the Introduction should be omitted …"Differences between the two populations are analyzed. Scientific data to promote advanced metabolic disease research is presented…"
 Through carefully thinking, we have removed this sentence
4) Why are there different fonts in the manuscript. Please check the Journal' s predispositions
 We have modified the fonts in unified
5) The paper requires typo recheck
 Typo have been recheck and corrected
6) English editing is required throughout the paper
 We have throughout the paper carefully, and contact English editing to throughout again
7) The Discussion is not well balanced, should be improved
 Discussion have modified, some content have moved to introduction and add some new content.
8) Figures and Tabled should be at the end of the manuscript
 Figures and Tables have moved to the end of the manuscript