

Dear Editor,

Please find enclosed the revised manuscript in Word format (file name: ESPS Manuscript NO 8675-edited.doc).

**Title:** ER stress and ER stress induced-apoptosis are activated in gastric SMCs in diabetic rats

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**Name of Journal:** *World Journal of Gastroenterology*

**ESPS Manuscript NO:** 8675

We are truly grateful to yours and other reviewers' comments and thoughtful suggestions. The manuscript has been improved according to these comments and suggestions. Changes made to the text are in red color in revised manuscript. We hope the new manuscript will meet your magazine's standard.

Below you will find our point-by-point responses to the reviewers' comments:

1. Format has been updated.

2. Revisions have been made according to the reviewers' suggestions.

(1) *reviewers' comments:* Novelty can be shown in your paper, however, you should improve your presentation skills to reorganize your ideas.

*Response:* I am grateful for this valuable suggestion. We have done our best to revise the manuscript and asked for a professional English language editing company to organize the language.

(2) *reviewers' comments:* In the methods Monitoring of blood glucose concentration and weight, you mentioned measured at the 3rd day(s) and the first week, why was the two group different?

*Response:* It was necessary to assess whether the diabetic model is established successfully, so the blood glucose concentration was measured at the 3rd days. Theoretically, the body weight would not change much at the 3rd days, so we start to

measure the body weight at the first week.

(3) *reviewers' comments:* diabetes is not the major topic of this paper; it is not proper to present this data set in the results.

*Response:* We described the results of blood glucose with Figure (1) in the paper to show that the diabetic model was established successfully. In response to the reviewer's suggestion, Figure (1) was deleted to simplify the results in the revised manuscript.

(4) *reviewers' comments:* all the immunohistochemistry images do not have staining controls; please add.

*Response:* In response to this helpful suggestion, the images of the negative staining controls for immunohistochemistry were added in the figures (4,5).

(5) *reviewers' comments:* the authors claimed that they did semi-quantitative analysis of the immunohistochemistry results; please describe the analytic methods in detail.

*Response:* The analytic methods of the immunohistochemistry have been described in detail in the revised manuscript.

(6) *reviewers' comments:* more experiments are to be done; please add real time RT-PCR and Western blotting results of GRP78 and caspase 12.

*Response:* We must agree with the reviewer's comments that the study would be greatly improved by adding real time RT-PCR and Western blotting results of GRP78 and caspase 12. Much to our regret, it is difficult for us to add more experiments because of inadequate fresh samples at this time. In our study, the immunohistochemical results showed that the expressions of GRP78 and caspase 12 proteins in diabetic rats were higher than those in the control rats, which also supported our conclusions. In the light of your useful suggestions, real time RT-PCR and Western blotting will be considered in our future study.

(7) *reviewers' comments:* the EM images show no differences each other; you may replace them with proper ones.

*Response:* The EM image has been replaced.

3. References and typesetting were corrected.

4. To meet the editor's requirements, the original pictures were presented in PPT.

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

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March 2, 2014