Author's response to reviews

Title: Peroxisome proliferator-activated receptor activating hypoglycemic effect of Gardenia jasminoides Ellis aqueous extract and improvement of insulin sensitivity in steroid induced insulin resistant rats

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Author's response to reviews: see over
Dear Editor:

Many Thanks for your comments on the manuscript entitled “Peroxisome proliferator-activated receptor-activating hypoglycemic effect of Gardenia jasminoides Ellis aqueous extract and improvement of insulin sensitivity in steroid-induced insulin-resistant rats”. The comments of reviewers have been replied point by point after this letter and this manuscript has been revised accordingly.

Your kind consideration of this manuscript is honestly appreciated. Also, we hope that this revised manuscript will meet your standard for publication and look forward to your reply. Thank you very much.

Yours Sincerely,

Shih-Liang Chang, MD, PhD 2013/12/31

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Associate editor's comments:

The manuscript entitled “Peroxisome proliferator-activated receptor activating hypoglycemic effect of Gardenia jasminoides Ellis aqueous extract and improvement of insulin sensitivity in steroid-induced insulin-resistant rats” by Chen et al. showed that G. jasminoides reduced blood glucose probably via decreased insulin resistance.

This manuscript is interesting and important for the study of the anti-diabetic properties of G. jasminoides. The writing and experimental design are suitable. However, several typos and low resolution figures need to be improved before your manuscript can be accepted. I recommend that it should be revised taking into account the changes requested by the reviewers. Please submit the revised version of your manuscript with 3 months.

Many Thanks; we have revised this manuscript accordingly.

Reviewer 1

The article describes the hypoglycemic effect of Gardenia jasminoides Ellis aqueous extract and improvement of insulin sensitivity in steroid-induced insulin-resistant rats. The authors shown that the aqueous extract of Gardenia jasminoides Ellis exerted a PPAR γ -activating hypoglycemic effect in SIIR rats.

Minor Essential Revisions

1. The writing style is mostly clear and the layout of the manuscript is appropriate, but all figures do not have good resolution.

The resolution of all figures has been adjusted as possible as we can.

Reviewer 2

This manuscript entitled “Peroxisome proliferator-activated receptor activating hypoglycemic effect of Gardenia jasminoides Ellis aqueous extract and improvement of insulin sensitivity in steroid-induced insulin-resistant rats” has been reviewed and it seems interesting. As the traditional Chinese medicine, Gardenia may have the potential to be the insulin sensitizer via activating PPAR γ . But some points as follows shall be concerned.
1. In the results of abstract, “..including insulin receptor substrate-1 and peroxisome proliferator-activated receptor (PPAR) $\gamma$..” should be revised to “.. including insulin receptor substrate-1 (IRS-1) and peroxisome proliferator-activated receptor (PPAR $\gamma$)..”

2. In page 11 line 14, a term “.. 0.1% Tween20..” should be revised to “.. 0.1% Tween 20..”.

3. In page 14 line -2, the “IRS1” should be revised to “IRS-1”

These three points have been corrected in the main text in red words indicated.