Author's response to reviews

Title: Acute and chronic antihypertensive effects of Cinnamomum zeylanicum stem bark methanol extract in L-NAME-induced hypertensive rats

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Author's response to reviews: see over
COVER LETTER FOR REVISED MANUSCRIPT

MS: 1373889339731710

Subject: SUBMISSION OF THE REVISED MANUSCRIPT

Dear Editor,

I am enclosing herewith the revised manuscript entitled “Acute and chronic antihypertensive effects of Cinnamomum zeylanicum stem bark methanol extract in L-NAME-induced hypertensive rats.” for reevaluation and publication in Journal BMC.

We are waiting for the decision that will be reserved to it.

Sincerely yours.

ANSWER TO THE QUERIES

All modifications have been added in red colour in the manuscript.

Reviewer comments:

Reviewer: A Ziyyat

1. Background:
Line 3: "Endothelial dysfunction itself" has been replaced by "which"
Line 8: "anti-hypertrophic agent" has been corrected

2. Methods: Biochemical analysis
Line 4: "other" has been corrected
line 12 : "by using NaNO2" (a has been deleted)

3. Results: Effects of methanol extract on tissue nitric oxide
lines 5 and 6 "in the aortic and cardiac tissues" instead of “in the aortic tissue and cardiac tissue”
- only one decimal has been keep for all percentages.

4. Discussion:
page 13 line 8: "managed" has been keep corrected

5. Conclusion: instead of removing the sentence "the acute antihypertensive effects might in part due to vasodilating icts ..." from the conclusion, we have chosen to revise it because many studies indicated that acute administration of L-NAME increases blood pressure through a sustain vasoconstriction.

Read: The acute antihypertensive effects might be partially due to the reduction of the peripheral arterial resistance by thwarting the acute inhibitory effect of L-NAME on eNOS.
Reviewer: Chao-Yin Chen

Major Compulsory Revisions
1. The intubation was done daily, on non-anesthetized animals.
Page 6: Paragraph entitled Experimental procedure
   Instead of:
   All the treatments were given by gastric intubation at the corresponding volume of 1 ml/100g bw for four consecutive weeks.
Read:
   All the treatments were administered orally by gavage (using an oesophageal catheter connected to a syringe) once a day for 4 weeks at the corresponding volume of 1 ml/100g bw.

2. Figure 2 have been replaced by the correct one.

3. The body weights of MECZ and captopril group were compared to the control group. It appears a significant different only between the body weight of MECZ group compared to the control. This modification has been added on figure 3. The sentence “Neither MECZ nor captopril could prevent the body weight loss induced by L-NAME” (page 9 line 3-4 of the subtitle Long-term effects of the methanol extract of Cinnamomum zeylanicum on the final body weight and some organs weight) have been replace by “Contrary to captopril (112 ± 3.1%) slightly prevented the body weight loss induced by L-NAME as compared to the control group while the MECZ did not prevent body weight loss, with the relative body weight (102.1 ± 4.5%) significantly low (p<0.01) compared to that of the control group (figure 3)”.

4. Quantitative group data have been included for the aortic histomorphologie (page 10, line 2, 5 and 6 of the subtitle Aortic and left ventricle histomorphologies).

Minor Essential Revisions
1. In figure 1, the Y label is from +100 (top) to -80 (bottom).

Discretionary Revisions
1. We did a little mistake in the previous version concerning the control group. The control group received DMSO (4%) instead of water. Page 6, line 7 of the paragraph entitled experimental procedure; “distillate water” has been replaced by “a solution of DMSO 4%”.