

ANSWERING REVIEWERS



May 30, 2014

Dear Editor,

Please find enclosed the revised manuscript in Word format (file name: 8818-revised.doc).

Title: Resveratrol and Genistein Inhibit Rat Isolated Gastrointestinal Contractions and the Related Mechanisms

Author: Li-Xue Zhang, Hong-Fang Li, Long-De Wang, Shan Jin, Xing-Cheng Dou, Zhi-Feng Tian, Qin Ma

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The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) In methods section:

① The experimental protocol and the cumulative administration of resveratrol and genistein in the presence of different agents have been explained in details, please see page 3 line 26-37 (paragraph 6).

② Methods of data measurement and analysis have been explained and modified in statistical analysis section, please see page 4 line 10-24 (paragraph 5).

(2) In results section:

① The significance level of the changes has been given in the text, please see page 5 line 3-11 (paragraph 3). In the other subtitles, the numeric data and the significance level are not easy to given in details because groups are complex, and they are given clearly in Fig 2,3,4.

② Line graphics can not clearly show the experiment results because the range of genistein and resveratrol concentration is large (0.01, 0.05, 0.1, 0.5, 1.0, 5.0, 10.0, 50.0 $\mu\text{mol/L}$), so we think line graphics is not better than bars.

(3) Discussion has been revised completely:

① The relevance of resveratrol and genistein actions to estrogen receptor has been discussed in page 5 line 12-29 (paragraph 5).

② Five previous papers mentioned by reviewer of 00055107 have been added in references, and the related studies have been described and cited in the introduction (line 11) and the discussion (page 7 paragraph 2).

③ Resveratrol and genistein are tyrosine kinase inhibitors, so the relevance of resveratrol and genistein actions to tyrosine kinase pathway has been analysed and discussed in page 7 paragraph 2.

④ The related mechanisms studied just in the body of stomach, thus unsuitable "gastrointestinal" has been already removed.

⑤ The incorrect description about cAMP has been already modified, please see page 5 paragraph 6.

⑥ From Ca^{2+} -concentration curve experiment, it is easily to conclude that resveratrol and genistein can inhibit Ca^{2+} influx, we think it need not to use specific blockers against L-type Ca^{2+} channels.

⑦ Several abbreviations about SR, ER, NDP etc are explained in page 3 paragraph 6 and discussion section.

- (4) Figure legends and Symbols for statistical significance have been already modified.
- (5) English grammar has been revised carefully.

3 References and typesetting were corrected

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

Sincerely yours,

Hongfang Li

Hongfang Li, MD, PhD, Prof
Department of Physiology
College of Basic Medicine
Lanzhou University
199 Donggang West Road
Lanzhou 730000, China
lihf@lzu.edu.cn
Telephone: (86)0931-8915092
Fax: (86) 0931-8915092