

Format for ANSWERING REVIEWERS



October 29, 2013

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 5345_review.doc).

Title: Intra-gastric triacetin alters upper gastrointestinal motility in conscious dogs.

Author: Kazumasa Oosaka, Masaaki Tokuda, Naohiro Furukawa

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 5345

The answer to the reviewer's comment (reviewed by 00005855)

Comment 1 (Major 1)

Did the authors use repeated-measures ANOVA for the statistical analysis of effect of triacetin on the gastric motility?

Yes I did. First, I performed the statistical analysis using the repeated-measures ANOVA. Second, I performed the statistical analysis using the Bonferroni-Dunn post-hoc test. I judged the statistical significance by the result of the Bonferroni-Dunn post-hoc test.

Comment 2 (Major 2)

Is it possible to speculate and propose the hypothetical mechanism of the effect of triacetin?

We speculate that the chemical stimulation of triacetin changes enteric nerve system. We are going to demonstrate the effect of triacetin by an isolated stomach.

Comment 3 (Minor 1)

In Page 10, Line 5 from the bottom: "The average ..." should be "the average...".

I correct to "the average..." .

Comment 4 (Minor 2)

In Page 17, The sentence starting with "In conclusion ..." should be in a new paragraph

I correct to the new paragraph.

The answer to the reviewer's comment (reviewed by 00039306)

Comment 1

Were all the procedures in the three dogs registered and used for the final data or there was a selection? How many they were?

All the procedures in the three dogs were registered in experiment protocol. The experiment with deficit data was excepted from final data. The number of selected data is shown in a table. The last paragraph was corrected as follows.

"Each animal received both infusions of the triacetin solutions and the vehicle in the different times during the experiment."

Fasting Phase

Solutions	Dogs			Total
	No.1	No.2	No.3	
Water	2	5	5	12
1% Triacetin	2	3	3	8
2% Triacetin	1	3	3	7

Postprandial Phase

Solutions	Dogs			Total
	No.1	No.2	No.3	
Water	2	5	6	13
1% Triacetin	2	3	3	8
2% Triacetin	1	3	3	7

Comment 2

Which was the variability of the results inside each dog and between the dogs?

The variability of the results was between the dogs larger than inside each dog. However, there was no significant difference in ANOVA test.

Comment 3

Results section Data presentation should be more concise and clear to the reader. The number of experiments and related details (see above) are not reported. Accordingly, the number of figure should be reduced (e.g., data of fig. 2 and 3 should be condensed in only 1 figure with 4 panels).

The number of figure reduced. Data of fig. 2 and 3 condensed in only 1 figure with 4 panels

Comment 4

The text in the Figure legend is too long while it should not repeat data which have to be reported more clearly and concisely in the text. There are more repetitions in the text.

The text in the Figure legend corrected.

Comment 5

The abstract needs to be modified. The third paragraph in the Methods, as here presented, seems a result.

The third paragraph in the Methods corrected.

Comment 6

The word “contractilities” should be substituted.

The word “contractilities” corrected to “contractions”

Comment 7

Furthermore, it is not clear what is the significance of “... facilitation of duodenal contractilities ...” (abstract section, discussion pag.17).

The paragraph in the Results of the abstract and Result pag.13 corrected.

Comment 8

Reference n.11 is wrong. Probably, it indicates the name (Naohiro) instead of the surname (Furukawa) of the author.

The Reference n.11 corrected.

Comment 9

All references seem outdated.

The paper of Furukawa is new (2013). It is expected that a report will continue.

Comment 10

There are many spelling and/or grammar errors in the text The English language should be improved.

The spelling and/or grammar errors corrected.

I think that all the comment was answered. The manuscript has been improved according to the suggestions of reviewers.

Sincerely yours,

Kazumasa Oosaka