



Noriko Tanaka, M.H.S., PhD  
Section Chief,  
Biostatistics Section,  
Department of Data Science, Clinical Science Center,  
National Center for Global Health and Medicine  
Toyama, 1-21-1, Shinjuku-ku, Tokyo, Japan ZIP 162-8655

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Dr. Yuan Qi  
Science Editor  
Editorial Office Baishideng Publishing Group Inc

Dear Dr. Qi,

I am writing this letter upon request from Dr.Dohi to review the manuscript entitled “Disruption of the TEAK/Fu14 pathway prevents 5-fluorouracil-induced diarrhea in mice”, which was submitted to *World Journal of Gastroenterology*.

According to the reviewer’s comments they received and your “Guidelines for Manuscript Preparation and Submission for Basic Study”, I reviewed the data and description used in their manuscript. My comments are below:

- (1) Statistical methods are adequately and appropriately described when they are used to verify the results.

As the reviewer of your journal suggested, statistical methodologies which the authors used in the research were not explicitly mentioned in the statistical analysis section in the manuscript. I suggested to them to describe all the statistical methodologies used in the statistical analysis section appropriately.

- (2) Whether the statistical techniques are suitable or correct.

I found some improper or nonsense statistical methodologies were applied to their

data. For example, the authors applied ANOVA to compare group mean estimated from three samples per group. I suggested to them to correct the methodologies to describe their scientific hypothesis properly.

- (3) Only homogeneous data can be averaged. Standard deviations are preferred to standard errors. The number of observations and subjects (n) is given. Losses in observations, such as drop-outs from the study, are reported.

Standard deviations were calculated with the means in the manuscript. The numbers of observations were also shown for each figure (no tables in their manuscript), however, losses in observations are not reported in detail. I suggested it should be described why some data were missing in each result subsection.

- (4) Values, such as ED50, LD50 and IC50, have the 95% confidence limits calculated and have been compared by weighted probit modeling (using the functions described by Bliss and Finney)

This item is not needed to check for their manuscript.

- (5) The word “significantly” is replaced by its synonyms (if it indicates extent) or the P value (if it indicates statistical significance)

I found some words “significantly” in the body of the manuscript. I suggested to the authors to use the word “significantly” with the raw (or adjusted) P values when they applied statistical tests.

Finally I have wholly checked the revised manuscript before submission.

If you have any questions or concerns about the statistical matter in their manuscript, please feel free to contact me.

Sincerely,



Noriko Tanaka, M.H.S., PhD.

ntanaka@hosp.ncgm.go.jp