Reviewer's report

Title: Evaluation of Risk Factors for Perforated Peptic Ulcer

Version: 1 Date: 07 Dec 2017

Reviewer: Hyunghun Kim

Reviewer's report:

Dear Authors

I appreciate your effort to revise your manuscript according to the request and would like to ask some more questions.

No 1

To my Comment 8 [In table 1 and table 2, I found out that some variables are significant in Multivariate analysis but not significant in univariate analysis. This phenomenon might be caused by following four reasons; (1) the effect of unbalanced sample size; (2) the influence of missing data; (3) an extremely large within-group variation, relative to between-group variation; and (4) the presence of interaction. Please describe authors' view on this statistical phenomenon in authors' paper], Authors replied as follows "Moreover, the phenomenon which some variables are significant in multivariate analyses but not significant in univariate analysis is mainly coming from confounding factors."

I would like to ask why authors thought that this result came from confounding factors. How can authors explain that this statistical consequence did not come from any of (1) the effect of unbalanced sample size; (2) the influence of missing data; (3) an extremely large within-group variation, relative to between-group variation.

No 2

To my Comment 11 [Authors described "increase in platelet count was statistically significant in PPU, and could be used as a prediction factor. Platelets are the component of blood, necessary to arrest bleeding, thus thrombocytopenia is the known cause of bleeding. In our PPU study, however, platelet counts were significantly increased. We presumed that peritonitis caused inflammation and perforation stimulated coagulation; therefore, platelet counts were increased
especially in the PPU patients." Do you think this is the logical explanation? You said that thrombocytopenia is the known cause of bleeding AND said stimulated coagulation is the cause of thrombocytopenia. Would you please show logically missed explanation to make me understand?], Authors replied as follows ""We presumed that peritonitis caused inflammation and perforation stimulated platelet aggregation; therefore, platelet counts were increased especially in the PPU patients."

I would like to ask authors to re-consider this phenomenon as the result of "reactive thrombocytosis".

I will wait for your reply.

Thank you.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

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