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Name of Journal: World Journal of Gastroenterology

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Title: Biliary tract external drainage protects against intestinal barrier injury in hemorrhagic shock rats

Dear Ya-Juan Ma:

Thank you for giving us the opportunity to revise our manuscript and for the great reviewer's comments. We carefully revised the manuscript according to the reviewer's suggestions. We have provided a point by point synopsis of major changes within the newly revised manuscript below. We believe the revisions are now acceptable for publication in *World Journal of Gastroenterology* as an original article. We look forward to hearing the status of this manuscript soon.

Sincerely yours,

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Reviewer's Comments

Question 1. Lines 349-351: "In our earlier study, necrosis and exfoliation of epithelial cells of small intestinal villi of rats with several acute pancreatitis were attenuated after BTED, which suggests that BTED plays a protective role on the ileum of several acute pancreatitis." Probably "severe acute pancreatitis" is meant here (instead of "several acute pancreatitis").

Response: We have changed this error in the revised text.

Question 2. Lines 241-243: "The expression levels of occludin in the ileum of the HS+BTED group shown no significant differences compared to the HS group 0.5 hour, 1 hour and 2 hours after resuscitation." require grammatical correction.

Response: We have changed "The expression levels of occludin in the ileum of the HS+BTED group shown no significant differences compared to the HS group 0.5 hour, 1 hour and 2 hours after resuscitation." to "The expression levels of occludin in the ileum of the HS+BTED group did not show significant differences compared with the HS group 0.5 hour, 1 hour and 2 hours after resuscitation." in the revised text.

Question 3. Lines 345-346: “This may be due to BTED reduced inflammation of intestinal villus and retained more capillaries.” require clarification.

Response: We have changed “This may be due to BTED reduced inflammation of intestinal villus and retained more capillaries.” to “The increases of plasma TNF- α and IL-6 levels may be due to BTED reduced inflammation of intestinal villus and retained more capillaries.” in the revised text.

Question 4. “Increased plasma D-lactate levels predicts an increased risk of mortality after hemorrhage and trauma”. (-> Increased plasma D-lactate levels predict an increased risk...)

Response: We have changed this error in the revised text.

Question 5. Lines 390-392: “Firstly, the duration of the observation time is relatively short so that we can't sure how long the effects of BTED protects against intestinal barrier injury last.” require grammatical correction.

Response: We have changed “Firstly, the duration of the observation time is relatively short so that we can't sure how long the effects of BTED protects against intestinal barrier injury last.” to “Firstly, the observation time is relatively short so that we are not sure how long the effect of BTED lasts.” in the revised text.

Question 6. Lines 393-394: “We choose occludin and claudin-1 to examine may lead to bias.” require clarification.

Response: We have changed “We choose occludin and claudin-1 to examine may lead to bias.” to “Changes of occludin and claudin-1 may can not reflect the real changes of all TJ proteins” in the revised text.

Question 7. Line 248: “Figs. 5B” -> Fig. 5B.

Response: We have changed this error in the revised text.

Question 8. The nomenclature used in Figure 5 (“A”/“B”) should also be applied in the corresponding figure legend.

Response: We have changed figure legend “Figure 5 Hematoxylin and eosin staining and histopathologic scores of the ileum.” to “Figure 5 Hematoxylin and eosin staining (A) and histopathologic scores (B) of the ileum.” in the revised text.