

ANSWERING REVIEWERS



Dear Editor,

Please find enclosed the edited manuscript in word format (file name: 22072-Revised manuscript.doc).

Title: The mechanisms of IL-22's beneficial effects in acute pancreatitis

Author: Chongmin Huan, Daniel Kim, Peiqi Ou, Antonio Alfonso, Albert Stanek

Name of Journal: *World Journal of Gastrointestinal Pathophysiology*

ESPS Manuscript NO: 22072

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

1 Format has been updated.

2 We appreciate the reviewers' constructive and helpful comments. Revision has been made according to the suggestions of the reviewers.

(1) **Reviewer's code:** 02594457

Suggestions: "In the introduction, you should explain that there are two problems in the management of the PA. First problem, there is no way to predict the clinical course in the early hours of evolution, and IL-22 could be of interest in this field. This aspect has not been developed at work, and I think that would be an area of interest. Second problem, there is no treatment to stop the inflammation and subsequent pancreatic necrosis, and IL-22 may be useful."

Corresponding changes: In the introduction, the following two sentences have been added to emphasize the two problems in the current management of acute pancreatitis and to explain why this review focuses on the potential role of IL22 in acute pancreatitis treatment:

#1 "This is largely because of the unpredictable outcome early in AP, and the lack of a specific and effective treatment to block the inflammatory injury in AP [2-4]. Knowledge of the complex inflammatory regulation in AP is required to provide a basis for developing new strategies in the management of AP."

#2 "In AP, IL-22 appears to be involved in the pathogenesis in different animal models, but has disparate effects depending on the severity of the inflammation. As studies of the potential role of IL22 in AP prognosis are still currently lacking, in this review we focus on the different regulatory mechanisms of IL-22 in mild and severe AP models in order to help develop an effective and efficient therapeutic approach."

Suggestions: "Writing laboratory findings is unclear, you should try writing for readers who do not work in basic research."

Corresponding changes: In order to make this review readily comprehensible to the readers from different fields, we have rewritten all the figure legends that describe our experimental procedures and results. For the same purpose, we also rephrased multiple sentences in the body of the text.

(2) **Reviewer's code:** 00724362

Suggestions: "This is very well written and also very interesting article from a pathophysiological point of view, but also interesting and useful for clinicians and is worthy of publication."

Corresponding changes: No corresponding changes were made.

(3) **Reviewer's code:** 03081313

Suggestions: "This is a good and interesting review about IL-22, one of the immunological factors participating in acute pancreatitis. In my opinion, the redaction of own experimental results could be improved for a better understanding."

Corresponding changes: In order to improve the descriptions of our experimental results, we have rewritten all the figure legends that describe our experimental procedures and results. In addition, we have rephrased multiple sentences in the body of the text.

3 References and typesetting were corrected.

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

Sincerely yours,

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