

Dear Editor and Reviewers:

Thank you for your response and for reviewers' further comments concerning our manuscript entitled '**Study on the mechanism of Yinchenhao decoction in treating obstructive-jaundice-induced liver injury based on the Nrf2 signaling pathway**' (Manuscript NO: 75833). Those comments are all valuable and helpful for revising and improving our paper. We are willing to publish our manuscript in WJG and we have studied comments carefully and have made corrections to the paper meticulously per the reviewers' suggestions. And point by point response to the reviewers' comments is listed below. We hope that the revised version of this manuscript can be accepted for publication in your journal.

Reviewer 1: Scientific Quality: Grade B (Very good) Language Quality: Grade B (Minor language polishing) Conclusion: Accept (General priority) Specific Comments to Authors: I have reviewed the manuscript entitled "Study on the mechanism of Yinchenhao decoction in treating obstructive-jaundice-induced liver injury based on the Nrf2 signaling pathway" to be published in the "World Journal of Gastroenterology" and I think it's well designed and has enough priority for publication with few spelling mistakes. I recommend that this work be accepted for publication. Best regards,

**Response:** Thank you very much for your recognition and affirmation of our manuscript. I have fixed all possible spelling mistakes I found.

Reviewer 2: Scientific Quality: Grade B (Very good) Language Quality: Grade A (Priority publishing) Conclusion: Accept (General priority) Specific Comments to Authors: This is a study on mechanism of YCHD for OJ. Once I studied liver regeneration in OJ rats, so I am very interested in this paper. I have two comments. 1. I used Wistar rats though, rats often had internal fistulas and jaundice disappeared spontaneously. Was there any such example in group Y? 2. Clinically, biliary drainage is performed for patients with obstructive jaundice. From this study, how do you think YCHD will affect it?

1) I used Wistar rats though, rats often had internal fistulas and jaundice disappeared spontaneously. Was there any such example in group Y?

**Response:** In this experiment, rats in group Y were given Yinchenhao decoction 3 days after the establishment of obstructive jaundice model, and were administered for a total of 7 days. We found no obvious internal fistula after the mice were sacrificed 10 days after the operation, which was considered to be related to the short time of modeling and drug administration. If the experimental period was prolonged, the possibility of internal fistula was not excluded.

2) Clinically, biliary drainage is performed for patients with obstructive jaundice. From this study, how do you think YCHD will affect it?

**Response:** The results of this experiment show that when the biliary obstruction is not relieved, the administration of Yinchenhao decoction can significantly improve the indicators of liver function in rats, and reduce liver damage and oxidative damage. However, we believe that for patients with obstructive jaundice, biliary drainage is still the conventional treatment, and Yinchenhao Decoction can be used as an adjunct to biliary drainage treatment.