

April 5, 2021

Dear editor,

Please find attached files of revised manuscript in word format

**Title: Analysis of the expression of Caspase-3 and HIF-1 $\alpha$  and their relationships with prognosis in patients with HCC complicated by hemorrhage and necrosis**

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**Name of Journal:** World Journal of Clinical Cases

**Manuscript NO:** 65066

First of all, thank you for your careful guidance of this article. Revision has been made according to the suggestions of the reviewer:

**Reviewer: 05492017**

Hypoxia is one of the characteristics of tumor micro-environment. At present, in the hepatocellular carcinoma patients with hemorrhage and necrosis, the HIF-1 $\alpha$  and the Caspase-3 levels and the expression characteristics of patients with hepatocellular carcinoma complicated by the hemorrhage and necrosis and the prognosis have not been involved. The Caspase-3 is involved in the process of apoptosis of tumor cells and the apoptosis induced by various factors. In this study, the authors explored the expression characteristics of the Caspase-3 and the HIF-1 $\alpha$  in tissues, and their relationship with the biological behavior with hepatocellular carcinoma complicated by the hemorrhage and necrosis. The study design is good, and the methods are described in detail. The results are interesting and well discussed. Comments: 1. The manuscript should be edited carefully. Many blanks between the words are missing, so that some words are mixed up. 2. The discussion is too long, please short it. 3. The tables also require editing.

Thank you for your advice.

After receiving the comments, we read the article carefully and found some small loopholes in the language of the article and made modifications. I cut the discussion and edited the tables.

Thank you again for publishing our manuscript in the World Journal of Clinical Cases.

Sincerely Yours,

Jianguo Wu