

ANSWERING REVIEWERS

January 19, 2015



Dear Editor,

Please find enclosed the edited manuscript in Word format (ESPS Manuscript NO: 15464).

Title: Insights into glycan biosynthesis of chemically-induced hepatocellular carcinoma in rats: A Glycomic Analysis

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Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 15464

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

1. Format has been updated and high resolution figures are now used and have been moved toward the end as suggested.
2. Revision has been made according to the suggestions of the reviewers
 - (1) The number of rats used in this study is "7 rats per group". This number of animals/group is now, stated clearly throughout the manuscript.
 - (2) P-values are now provided throughout the manuscript.
 - (3) Results' subtitles are now revised.
 - (4) The potential of this work is now indicated in the introduction.
 - (5) Table 1 has been changed to Figure 2.
 - (6) Development of HCC was also confirmed by assessing serum alpha-fetoprotein.
 - (7) As suggested by the reviewer, statistical analyses are now re-done using *t*-test, instead of ANOVA.
 - (8) The figure depicting Mass Spectrometric results is now revised.
 - (9) Figure 1 and figure 2 (originally table 1) are now provided in higher resolution.
 - (10) Although assessing the sizes of hepatic nodules would be interesting, it is just beyond the scope of this study. We simply utilized the presence of those nodules to confirm the development of HCC in our animal model.
 - (11) Regarding glycan profiles, we are submitting the profiles of one representative sample for each of the tested 2 groups. These two profiles should be added as supplementary data, pending WGJ permission.
 - (12) Although it is quite worth doing in the future, assessing serum levels of glycans was beyond the scope of this study where we investigate glycans' changes in livers of HCC-induced animal model.
 - (13) The reviewer's comment regard with ER-Mannosidase I is now addressed in discussion.
3. References and typesetting are thoroughly checked.

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

Sincerely yours,



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