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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 45961

Title: Freeze-dried Si-Ni-San powder can ameliorate high-fat-diet-induced non-alcoholic fatty liver disease

Reviewer's code: 02702057

Reviewer's country: Italy

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-02-22 08:06

Reviewer performed review: 2019-02-22 12:15

Review time: 4 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection	Peer-Review: [Y] Anonymous [ ] Onymous Peer-reviewer's expertise on the topic of the manuscript: [ ] Advanced [Y] General [ ] No expertise Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I read this manuscript entitled "Freeze dried Si-Ni-San powder can ameliorates high-fat diet induced NAFLD" that deals with an important issue of medical liver biology. The primary purpose of this study was to investigated the effects of Si-Ni-San freeze-dried

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powder on high-fat diet induced NAFLD in mice. The authors concluded that the beneficial effects of Si-Ni-San freeze-dried powder on high-fat diet induced NAFLD in mice may be associated with its anti-inflammatory and changing intestinal microbiota effects. Manuscript's content is interesting and well written, scope is sufficient and concisely expressed, format is appropriate. The paper is original and innovative. However, there are some minor and concerns that should be resolved before recommend publication. Please reformulate the introduction section, it is poor and misses in important and fundamental details. It must be improved and updated. The authors should go deeper into different and relevant aspects of Fatty liver disease. I recommend checking the following interesting and fundamental papers and comment them in relation to the study topic: Early effects of high-fat diet, extra-virgin olive oil and vitamin D in a sedentary rat model of non-alcoholic fatty liver disease. Histol Histopathol. 2018 Nov;33(11):1201-1213. doi: 10.14670/HH-18-008. Epub 2018 Jun 1. PubMed PMID: 29855033. Echocardiography and NAFLD (non-alcoholic fatty liver disease). Int J Cardiol. 2016 Oct 15;221:275-9. doi: 10.1016/j.ijcard.2016.06.180. Epub 2016 Jun 29. PubMed PMID: 27404689. Fatty liver disease and lifestyle in youngsters: diet, food intake frequency, exercise, sleep shortage and fashion. Liver Int. 2016 Mar;36(3):427-33. doi: 10.1111/liv.12957. Epub 2015 Sep 28. PubMed PMID: 26346413. 4Ps medicine of the fatty liver: the research model of predictive, preventive, personalized and participatory medicine-recommendations for facing obesity, fatty liver and fibrosis epidemics. EPMA J. 2014 Dec 7;5(1):21. doi: 10.1186/1878-5085-5-21. eCollection 2014. Review. PubMed PMID: 25937854; PubMed Central PMCID: PMC4417534. Please strengthen and improve the conclusion, adding the clinical relevance of your work and some important suggestions for the scientific community. Please add also consideration/limits of your study Please refresh and update the reference list section.

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INITIAL REVIEW OF THE MANUSCRIPT

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[Y] No

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 45961

Title: Freeze-dried Si-Ni-San powder can ameliorate high-fat-diet-induced non-alcoholic fatty liver disease

Reviewer's code: 03478516

Reviewer's country: Italy

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-02-22 08:12

Reviewer performed review: 2019-02-22 13:29

Review time: 5 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection	Peer-Review: [Y] Anonymous [ ] Onymous Peer-reviewer's expertise on the topic of the manuscript: [Y] Advanced [ ] General [ ] No expertise Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Dealing with the pandemic of obesity the link of the metabolic syndrome with HCC, via NAFLD, is clearly reported in the following article, i.e., Could metabolic syndrome lead to hepatocarcinoma via non-alcoholic fatty liver disease?World J Gastroenterol. 2014 Jul

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28;20(28):9217-28. Not all the reports clearly emphatise the role of gut flora modifiers as evident in.....Systematic review on intervention with prebiotics/probiotics in patients with obesity-related nonalcoholic fatty liver disease.Future Microbiol. 2015;10(5):889-902. Authors repeatedly refer to IL-6, but they should present data on the seum level of this cytokine. In case of lack of availability of these data, Authors should put this aspect as limitation to study. Authors are kindly requested to present their data as mean plus/minus SD and not SEM, because readers are interested in the dispersion of values and not to the precision of the mean, due to the paucity of observation for each group (8). Authors are reccomended to strictly follow these advices.

INITIAL REVIEW OF THE MANUSCRIPT

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[Y] No

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[Y] No