

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 83839

Title: Major complications after ultrasound-guided liver biopsy: An annual audit of a Chinese tertiary-care teaching hospital

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00003629

Position: Editorial Board

Academic degree: MD

Professional title: Emeritus Professor

Reviewer's Country/Territory: Greece

Author's Country/Territory: China

Manuscript submission date: 2023-02-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-11 11:01

Reviewer performed review: 2023-02-24 19:14

Review time: 13 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In the article by Chai WL et al (WJG-83839-2023), early and late complications after ultrasound-assisted liver biopsy are reviewed. The article analyzes the complications observed in 1857 consecutive cases of liver biopsy performed at a single University Hospital in Eastern China between January and December 2021. The article is not original. However, it is well written and gives useful information about the factors influencing the risk of biopsy in different categories of patients. My comments follow. A. General Comments: 1. Some typing and grammatical errors need correction. 2. Discussion too long. Please shorten it to no more than 800-900 words. B. Major Comments: 1. (Page 7, Line 4,5): Please give more information concerning the nature and reasons of performing a liver biopsy for “non-histological assessment”. 2. (Page 8, Line 9): How many operators were involved? What was their post-training experience in years? 3. (Page 9, Line 12): Please mention the method used in the logistic regression and the mode the nonparametric variables were handled. 4. (Table 1 & 2): Tables 1 and 2 must be presented in a completely different way. Under their title, one expects to see the actual numbers of the variables and not the corresponding major/minor complications.

The complications per variable must be the content of a separate table. 5. (Table 1, Sex/males): Please verify that the comparison is between males vs. females for major vs. non-major complications. If not, please explain. 6. (Table 1, interquartile range): The IQR implies that you give the 25% and the 75% of the variance; not their difference. Please correct. 7. (Table 2, Operator): Were other operators involved in PLB's with more or less experience? If not, you must omit this variable. 8. (Table 3): In the multivariable results, a unit of change must accompany all the significant risk factors. C. Minor Comments: 1. (Page 8, Line 4): Do you mean "16 µg (or mg?) of lyophilized powder"? Please clarify. 2. (Page 8, Line 10): It is better to express it as the "number of passes to obtain adequate tissue specimens" 3. (Page 11, Line 16,17): Please explain what do you actually mean in the phrase: "to hepatic occupations, especially in the realm of precision medicine". 4. (Page 13, Line 5): Please explain what do you mean with the phrase "adjacent to the hepatic Glisson system". Glisson is not a system. It is known as the liver capsule.

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Reviewer's code: 05769914

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor, Researcher

Reviewer's Country/Territory: Mexico

Author's Country/Territory: China

Manuscript submission date: 2023-02-11

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-13 05:49

Reviewer performed review: 2023-03-19 22:28

Review time: 6 Days and 16 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Chai W. L; and colleagues reported the major complications after ultrasound-guided liver biopsy: an annual audit of a Chinese tertiary-care teaching hospital. I have the following comments related with this manuscript. -In the abstract section is necessary to add the background. In addition, in methods it should indicate statistical tests. -In the material and methods section, the groups of patients analyzed in this study should be indicated. -Please define the following acronym: PACS. -Should the authors clarify when the laboratory tests were performed? They were performed before or after liver biopsy. -Please indicate which statistical tests were performed for the nonparametric test. -In the table 1 and 2, the percentage data should be reviewed because some of them are incorrect. Moreover, the n of each group should be indicated. -In the following phrase: "The results of this annual audit of 1857 liver biopsies in Chinese tertiary-care teaching hospital confirm that..... with published data from other parts of the world. Please add the appropriate references. -With respect to the next phrase: "The rate of serious adverse events was 1.1%, and the bleeding rate was 0.58% [4]." The authors should check if the value 0.58% is correct.