

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 90465

Title: Liquid biopsy for gastric cancer: Techniques, applications, and future directions

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03270754

Position: Editorial Board

Academic degree: MD, PharmD, PhD

Professional title: Assistant Professor, Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2023-12-04

Reviewer chosen by: Huo Liu

Reviewer accepted review: 2024-01-02 07:37

Reviewer performed review: 2024-01-03 05:43

Review time: 22 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 Grade E: Do not publish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 type="checkbox"/> Yes <input checked="" 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

1.This research focused on Liquid Biopsy for Gastric Cancer - Techniques, Applications, and Future Directions , after check the pubmed, there were so many articles about this topic such as PMID: 36627698, so this manuscript was not very prospective and significant. 2.This manuscript focus on clinical problems of gastric cancer, with strong clinical value and importance,very interesting research, and also met the submission topic of this journal,the results was real and the conclusion was convincing, but some places can be more perfect. 3.No tables and no Figures, I think not suitable for this famous journal, the authors can read this review paper PMID: 36627698. 4. References should be renewable such as PMID:36627698. 5.Language can be more polish.

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Manuscript NO: 90465

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02936735

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2023-12-04

Reviewer chosen by: Huo Liu

Reviewer accepted review: 2024-01-03 00:12

Reviewer performed review: 2024-01-10 08:22

Review time: 7 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Scientific significance of the conclusion in this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" 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

The review by Díaz del Arco C et al. discussed the updating on liquid biopsy (LB) for Gastric Cancer. Although this is a very interesting report, the content of LB is too much and boring. The significance of LB for gastric cancer need to be more thoroughly focused.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03009290

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor, Full Professor, Professor, Research Dean, Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2023-12-04

Reviewer chosen by: Huo Liu

Reviewer accepted review: 2024-01-03 02:57

Reviewer performed review: 2024-01-11 06:46

Review time: 8 Days and 3 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 checked="" type="checkbox"/> Grade B: Good <input 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 checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

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Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" 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

This manuscript reports on the liquid biopsy technique and its application in gastric cancer. The manuscript provides a comprehensive summary of liquid biopsy technology, discusses the current application of liquid biopsy technology in gastric cancer, and proposes future obstacles to be overcome. This review covers many aspects of the topic. However, some minor revision is needed. 1. It will be more perfect if the author adds some summary tables of its clinical studies/trials and clinical application. 2. Instead of a simple description, authors can add separate paragraphs and tables to elaborate on the value of liquid biopsy techniques in the early diagnosis and treatment (including chemotherapy, targeted therapy, and immunotherapy) in gastric cancer. 3. If possible, the authors should add a comparison of the potential clinical utility of different liquid biopsy techniques in the early diagnosis of gastric cancer based on multi-omics biomarkers. 4. Compared with traditional liquid biopsy techniques, what are the specific advantages of non-blood derived liquid biopsy techniques? 5. If possible, introduce the research progress of liquid biopsy techniques combined with deep machine learning in gastric cancer.