

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Surgery*

**Manuscript NO:** 86086

**Title:** Value of enhanced computed tomography in differentiating small mesenchymal tumours of the gastrointestinal from smooth muscle tumours

**Provenance and peer review:** Unsolicited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06519740

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Researcher, Senior Researcher

**Reviewer's Country/Territory:** Israel

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-06-30

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-07-04 09:41

**Reviewer performed review:** 2023-07-17 00:46

**Review time:** 12 Days and 15 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 Grade E: Do not publish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 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

<b>Scientific significance of the conclusion in this manuscript</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

For gastrointestinal mesenchymal tumors, the sensitivity of a single tumor marker is low, and there is a certain degree of underdiagnosis. Therefore, the combined detection of tumor markers is necessary for the diagnosis of GIMT. The present study analyzed the expression of CEA, AFP, CA19-9, CA-125 and CYFRA21-1 in patients with gastric mesenchymal and smooth muscle tumors to provide a reference for clinical diagnosis. The results showed that CEA levels varied among the three groups in the following order: the gastric mesenchymal tumor group > control group > gastric smooth muscle tumor group, and CA19-9 levels varied in the following order: the gastric mesenchymal tumor group > gastric smooth muscle group > control group, suggesting that CEA and CA19-9 were differentially expressed in patients (or volunteers) with different gastric lesions. The topic is actual and well described. Specific comments: 1. limitation of the current study should be discussed in the DISCUSSION part. I also suggest combining some previous studies with the results of your current study to discuss them in detail. 2. Table 1 is not noted in the text. 3. The patient's age, BMI and other information should be the general information results of the patient, and it is recommended to put this part in

the results section. Congratulations!

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**Reviewer's code:** 07746252

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Australia

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-06-30

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-07-06 02:49

**Reviewer performed review:** 2023-07-17 03:17

**Review time:** 11 Days

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
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<b>Scientific significance of the conclusion in this manuscript</b>	<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 scientific significance
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<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

Very interesting study. The article is well-written and fluent. However, I have some doubts about the research purpose of this manuscript. The purpose and aim of this study are to discuss the value of enhanced CT in the differential diagnosis of gastrointestinal stromal tumors and leiomyomas. However, there is no relevant description about the diagnosis of enhanced CT in the research method, and more description is the expression of CEA, AFP, CA19-9, CA-125 and CYFRA21-1 in patients with gastric mesenchymal and smooth muscle tumors. So, does this study focus more on the value of enhanced CT in the differential diagnosis of gastrointestinal stromal tumors and leiomyomas, or is the Kappa test used to analyze the consistency of combined CEA and CA19-9 detection in the identification of gastric mesenchymal tumors? This should be clearer to the authors and readers. In addition, please revise the results and discussion section according to different study objectives.