

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 90644

Title: Mutational landscape of T 3 and CDH1 in gastric cancer

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05747003

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoctoral Fellow

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-12-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-12-11 12:22

Reviewer performed review: 2023-12-14 16:25

Review time: 3 Days and 4 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 Grade E: Do not publish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 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 checked="" type="checkbox"/> Minor revision <input 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

The title could reflect the main subject the manuscript; The abstract could summarize and reflect the work described in the manuscript; The key words could reflect the focus of the manuscript; The manuscript adequately describes the background; The manuscript appropriately cites the latest, important and authoritative references in the Introduction and Discussion sections. In this review, the authors summarized mutations of TP53 and CDH1 in gastric cancer (GC) from various perspectives. Including TP53 as an important tumor suppressor gene, TP53 encoded p53 protein is an essential regulatory factor in normal cellular physiology, TP53 mutation in tumor and GC, and TP53 mutation in GC's progression. The authors also described CDH1 encoding for epithelial cadherin (E-cadherin), CDH1 mutation and epithelial mesenchymal transition (EMT), the relationship and diffuse gastric cancer, and the authors also summarized CDH1 mutations are associated with a poor prognosis, as well as CDH1 hypermethylation in GC. In the end, the authors indicated clinical indications for TP53 and CDH1 mutations in GC. But the manuscript still has some limitation: 1. Please indicate the proportion of TP53 and CDH1 mutations in GC in Chinese and other

countries; 2. Please edit English language.