

## PEER-REVIEW REPORT

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

**Manuscript NO:** 84116

**Title:** Diagnostic value of circular free DNA for colorectal cancer detection

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

**Peer-review model:** Single blind

**Reviewer's code:** 06135116

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Research Associate

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

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

**Manuscript submission date:** 2023-03-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-03-20 02:18

**Reviewer performed review:** 2023-03-20 09:56

**Review time:** 7 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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input 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

In this interesting experimental study, the authors aimed to evaluate the diagnostic value of circular free DNA for CRC. Endoscopy combined with tissue biopsy is the gold standard for early diagnosis of CRC at present, but there are some disadvantages such as cumbersome operation, poor compliance and invasion. It is urgent to find a minimally invasive or non-invasive, sensitive and accurate early diagnosis method. Early detection of CRC is urgently needed in clinical practice. Commonly biomarker and circular free DNA may have potential diagnostic value for CRC. They concluded that circular free CAMK1D may be potential diagnostic biomarker for colorectal cancer detection. The study is well designed and the manuscript is appropriately written. I congratulate the authors for their successful work. Language polishing is needed to make best sense of reading.

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**Reviewer's code:** 06519764

**Position:** Peer Reviewer

**Academic degree:** FEBS, MD, PhD

**Professional title:** Associate Professor, Research Associate

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

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

**Manuscript submission date:** 2023-03-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-03-14 09:01

**Reviewer performed review:** 2023-03-21 09:39

**Review time:** 7 Days

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
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## SPECIFIC COMMENTS TO AUTHORS

- Core tip section: This part writes too concise, and I suggest to summarize the methods, results and conclusions of this study. - Methods section: I suggest to improve the subjects enrollment algorithm. Also, I suggest to describe how many subjects are enrolled in the study sample. - Table section: There are two 'CRC' and 'HC' in Table 1. Although it is possible to know in the text that one group was enrolled in the establishing model and the other was included separately to validate the model, I suggest it to be stated in the table alone. - Discussion section: Although there is much discussion about early diagnosis of CRC, there is less discussion about the results of this study and more discussion about the results of the study needs to be added.