



## PEER-REVIEW REPORT

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

**Manuscript NO:** 82154

**Title:** Exosomes in Metastasis of Colorectal Cancers: Friends or Foes?

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

**Peer-review model:** Single blind

**Reviewer's code:** 06275159

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-12-07

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-12-13 07:44

**Reviewer performed review:** 2022-12-22 02:17

**Review time:** 8 Days and 18 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements	Conflicts-of-Interest: [ ] Yes [Y] No
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### **SPECIFIC COMMENTS TO AUTHORS**

As extracellular vesicles carrying biological goods, exosomes play their roles in primary tumors and metastasis, mainly in intercellular communication. This article details the mechanism of exosomes in CRC metastasis, including the formation and influencing factors of TME, the formation, function and role of exosomes in cancer, and the role of exosomes miRNA in CRC metastasis. Due to the heterogeneity of exosomes, the level of miRNA in individuals varies greatly, and even when studying the same cancer type, the results between groups are inconsistent. Another common disadvantage is that the method used to separate exosomes from plasma is different from the method used to extract miRNA from exosomes, and research lacks the common endogenous miRNA control for quantifying exosomes miRNA. These problems affect the reliability of circulating exocrine miRNA as a cancer biomarker in clinical diagnosis or prognosis. At the same time, the technology of isolating exocrine miRNA from body fluid and the method of quantifying miRNA or protein also need to be further standardized. The author had better make a summary on this, so that readers can learn from it.



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**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-12-07

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-02-11 14:53

**Reviewer performed review:** 2023-02-20 03:28

**Review time:** 8 Days and 12 Hours

<b>Scientific quality</b>	<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
<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
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### **SPECIFIC COMMENTS TO AUTHORS**

1. The title of this article is: Exosomes in Metastasis of Colorectal Cancers: Friends or Foes? It vividly reflects the theme of the article. 2. In this paper, TME plays an important role in the occurrence and metastasis of malignant tumors. As a bridge between cancer cells and different components of TME, exosomes can promote or inhibit the progress and metastasis of CRC. Especially the role and mechanism of miRNAs in exosomes in CRC metastasis, and its application as a novel biomarker in the diagnosis and treatment of metastatic CRC. Abstract summarized and reflected the manuscript. 3. Introduction should be added to introduce the role of exosomes in cancer and CRC. 4. The role of exosomes in the metastasis of CRC should be described more emphatically in the text, and the introduction of exosomes should be reduced appropriately at the same time. 5. In the discussion part, compared with the current frontier diagnosis and treatment of CRC, the advantages of exosomes and exosomal miRNAs should be elaborated in detail. 6. A large number of references were included in the manuscript, with appropriate references to newer and important authoritative references. 7. Quality of manuscript organization and presentation. The manuscript is organized and presented concisely and coherently, and its style, language and grammar are accurate and appropriate. 8. This manuscript comprehensively expounds the mechanism of exosome in CRC metastasis and the role of exosome miRNA in the early screening, diagnosis, treatment strategies and prognosis of CRC, providing a promising method for the prevention and treatment of CRC patients with metastasis. It represents the latest review on this topic, but its safety and clinical application in targeted therapy still need to be further explored and studied.