

## PEER-REVIEW REPORT

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

**Manuscript NO:** 80162

**Title:** Role of Ferroptosis in Colorectal Cancer

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

**Peer-review model:** Single blind

**Reviewer's code:** 03259131

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Professor, Surgeon, Surgical Oncologist

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

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

**Manuscript submission date:** 2022-09-19

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-11-07 15:48

**Reviewer performed review:** 2022-11-16 12:43

**Review time:** 8 Days and 20 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 Grade E: Do not publish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 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 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 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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" 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

Review comments WJG-80162\_reviewer. It is my great honour and pleasure to review such an interesting manuscript. The authors review that ferroptosis (an iron-dependent non-apoptotic cell death) is characterized by the accumulation of lipid reactive oxygen species and plays a role in reversing resistance to anticancer drugs. This study is a narrative review. Major points, 1. There is a big discrepancy between the experimental models and real clinical circumstances. The authors must comment it and disclose the data concerning an iron accumulation, uptake, in/out imbalance, etc. Academically, it is very important to compare the experimental study and the clinical phenomenon, the concentration, oxidation, dynamics, etc. 2. Above all, this study is well-designed. I agree the authors' insistence. This manuscript is well-written and illustrated. On the other hand, as a review article, the collected literatures are a little older. There have been already issued many similar reports. At least, the authors should discuss by referring the newest trials and reports. Also, the authors must show the priority and the superiority of this manuscript. This is important. 3. The figure should include some ferroptosis pathway. It is my recommendation. Minor points,

Figure and figure legends should be arranged separately. Of course, this review is interesting and important. However, the present manuscript needs some revisions for the publication of "World Journal of Gastroenterology".

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**Reviewer's code:** 05837732

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-09-19

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-11-17 13:30

**Reviewer performed review:** 2022-11-25 15:07

**Review time:** 8 Days and 1 Hour

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 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 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 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 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 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

This manuscript by Ya-qi Song et al. highlights the prognostic role of ferroptosis and deciphers its mechanistics in colorectal cancer (CRC). In general, this review adequately reports on the current state of knowledge of ferroptosis in CRC. It is coherently organized with an appropriate bibliography. Minor concern: Line 134: please define CircRNA. Figure 1: The authors should implement the figure legend with a very brief description of the scheme. Abbreviations are not self-explanatory. The P53-YAP1 pathway should also be added in the figure.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Professional title:** Associate Professor, Surgeon, Surgical Oncologist

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

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

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**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2022-12-16 13:06

**Reviewer performed review:** 2022-12-27 08:21

**Review time:** 10 Days and 19 Hours

<b>Scientific quality</b>	<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
<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>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



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
<https://www.wjgnet.com>

#### **SPECIFIC COMMENTS TO AUTHORS**

It is my great honour and pleasure to review the revised version. I appreciate the authors' labors to answer the inquiries of the "Editorial Board", point by point. Above all, I have no major criticism on the final version. There are some limitations in this study. However, this study is the frontier work in this area and the results are clinically important. I hope this manuscript will be suitable for the publication of "World Journal of Gastrointestinal Oncology".