**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastrointestinal Oncology  
**Manuscript NO:** 83874  
**Title:** Advanced gastric cancer achieving major pathologic regression after chemoimmunotherapy combined with hypofractionated radiotherapy: A case report  
**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed  
**Peer-review model:** Single blind  
**Reviewer’s code:** 03731081  
**Position:** Peer Reviewer  
**Academic degree:** MD  
**Professional title:** Professor  
**Reviewer’s Country/Territory:** Russia  
**Author’s Country/Territory:** China  
**Manuscript submission date:** 2023-02-19  
**Reviewer chosen by:** AI Technique  
**Reviewer accepted review:** 2023-02-19 17:27  
**Reviewer performed review:** 2023-02-20 07:50  
**Review time:** 14 Hours

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<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[ Y] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
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<td>Novelty of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
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<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No novelty</td>
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<td>Creativity or innovation of this manuscript</td>
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**SPECIFIC COMMENTS TO AUTHORS**

The authors presented in the manuscript a very interesting clinical case of successful treatment of stage 4 gastric cancer since May 12, 2023. They used an innovative combined treatment method of chemotherapy, radiation therapy, immunotherapy and gastrectomy. The manuscript meets the requirements of evidence-based medicine. The positive dynamics of the patient as a result of treatment has been convincingly confirmed. This combination therapy is worthy of further exploration, and also needs long-term follow-up of patients. Recommended for publication in the World Journal of Gastrointestinal Oncology or the World Journal of Clinical Cases.
PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology
Manuscript NO: 83874
Title: Advanced gastric cancer achieving major pathologic regression after chemoimmunotherapy combined with hypofractionated radiotherapy: A case report
Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed
Peer-review model: Single blind
Reviewer’s code: 05626712
Position: Peer Reviewer
Academic degree: MD
Professional title: Academic Editor, Academic Research, Assistant Professor, Attending Doctor, Research Scientist
Reviewer’s Country/Territory: Iran
Author’s Country/Territory: China
Manuscript submission date: 2023-02-19
Reviewer chosen by: Geng-Long Liu
Reviewer accepted review: 2023-03-12 03:08
Reviewer performed review: 2023-03-21 12:41
Review time: 9 Days and 9 Hours

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<td>Scientific significance of the conclusion in this manuscript</td>
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<td>Language quality</td>
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<td>[ ] Grade B: Minor language polishing</td>
<td>[ ] Grade C: A great deal of language polishing</td>
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<td>Conclusion</td>
<td>[ ] Accept (High priority)</td>
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<td>Conflicts-of-Interest: [ ] Yes</td>
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**SPECIFIC COMMENTS TO AUTHORS**

Summary: A valuable case report on a dramatic response of a deadly, advanced gastric cancer to a combination of chemotherapy, immunotherapy, and radiotherapy. General evaluation: Valuable in terms of clinical implication. Comments to improve:

1. Abstract-Case summary: Please name the chemotherapy and immunotherapy agents. Besides, please mention the radiotherapy regimen (including dose, fraction numbers, clinical target volume, and schedule). 
2. Abstract-Case summary: It is recommended to update the pathological response per the standard iRECIST criteria. This comment also include the main text. 
3. Abstract-Case summary: Please mention the interval duration (in months) of recurrence-free survival. 
4. Please explain the acronyms for their first presentation in either Abstract and Main text. 
5. Page 3-line 12: please mention the cut-off point of high tumor mutation burden in gastric cancer. Is 5.98 muts/MB high-TMB or low-TMB? 
6. Page 4-line 2: Please mention the interval between
treatment and the follow-up PET-CT scan. 7. Discussion: Case reports are clues for clinical and research studies. The presented case experienced dramatic response to chemoimmunotherapy in combination with radiotherapy. It is expected the Discussion section explains the putative mechanisms involved in this dramatic response. Recent evidence has put forward the importance of cancer mitochondrial metabolism in response to either radiotherapy and immunotherapy. Recently, Houshyari et al. noted that enhanced mitochondrial metabolism can enhance the response to anti-PD1 agents by downregulating the PD-1 expression on immune cells and providing prerequisite for the prolonged anti-tumor response (https://pubmed.ncbi.nlm.nih.gov/36469835/). Another study highlighted the importance of mitochondria biogenesis in response to radiotherapy (https://pubmed.ncbi.nlm.nih.gov/36719474/). This study noted that enhanced mitochondrial metabolism can improve tumor response through activating the 6th R of radiobiology, the Reactivation. It is recommended the authors mention this correlation using the noted references.
RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastrointestinal Oncology
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Reviewer’s code: 05626712
Position: Peer Reviewer
Academic degree: MD
Professional title: Academic Editor, Academic Research, Assistant Professor, Attending Doctor, Research Scientist
Reviewer’s Country/Territory: Iran
Author’s Country/Territory: China
Manuscript submission date: 2023-02-19
Reviewer chosen by: Yu-Lu Chen
Reviewer accepted review: 2023-04-13 06:31
Reviewer performed review: 2023-04-13 06:42
Review time: 1 Hour

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SPECIFIC COMMENTS TO AUTHORS
Thanks the authors for addressing all my comments. I have no more comments. Congratulations to authors for this valuable work. Hope it helps to improve the patients' treatment in near future.