PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 79109

Title: Folate receptor-targeted near-infrared photodynamic therapy for folate receptor-overexpressing tumors

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 06254455

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer’s Country/Territory: Iran

Author’s Country/Territory: Japan

Manuscript submission date: 2022-08-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-04 14:06

Reviewer performed review: 2022-08-08 16:06

Review time: 4 Days and 2 Hours

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[Y] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
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<tbody>
<tr>
<td>Language quality</td>
<td>[ ] Grade A: Priority publishing</td>
<td>[Y] Grade B: Minor language polishing</td>
<td>[ ] Grade C: A great deal of language polishing</td>
<td>[ ] Grade D: Rejection</td>
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<tr>
<td>Conclusion</td>
<td>[ ] Accept (High priority)</td>
<td>[Y] Accept (General priority)</td>
<td>[ ] Minor revision</td>
<td>[ ] Major revision</td>
<td>[ ] Rejection</td>
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<tr>
<td>Re-review</td>
<td>[ ] Yes</td>
<td>[Y] No</td>
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SPECIFIC COMMENTS TO AUTHORS
This manuscript aimed to evaluate the photodynamic therapeutic efficacy of FolateSiR-1 in preclinical cancer model and the cell death mode induced by FolateSiR-1-based PDT. It is an interesting and well written article; however, I suggest trying to condense the discussion by reducing the amount discussed about the findings (it’s a repeat of the “results” part) and the author should use references for the raised claims and hypothesis (some of the claims have no references and cannot be considered scientific.).
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Manuscript NO: 79109
Title: Folate receptor-targeted near-infrared photodynamic therapy for folate receptor-overexpressing tumors
Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed
Peer-review model: Single blind
Reviewer’s code: 05817547
Position: Peer Reviewer
Academic degree: PhD
Professional title: Postdoctoral Fellow
Reviewer’s Country/Territory: Iran
Author’s Country/Territory: Japan
Manuscript submission date: 2022-08-03
Reviewer chosen by: AI Technique
Reviewer accepted review: 2022-08-15 19:28
Reviewer performed review: 2022-08-23 20:00
Review time: 8 Days

| Scientific quality | [ ] Grade A: Excellent [ Y] Grade B: Very good [ ] Grade C: Good
|                    | [ ] Grade D: Fair   [ ] Grade E: Do not publish |
| Language quality   | [ ] Grade A: Priority publishing [ Y] Grade B: Minor language polishing
|                    | [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection |
| Conclusion         | [ ] Accept (High priority) [ Y] Accept (General priority)
<p>|                    | [ ] Minor revision   [ ] Major revision   [ ] Rejection |
| Re-review          | [ Y] Yes   [ ] No |</p>
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<th>Peer-reviewer statements</th>
<th>Peer-Review: [Y] Anonymous [ ] Onymous</th>
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<td>Conflicts-of-Interest:</td>
<td>[ ] Yes [Y] No</td>
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**SPECIFIC COMMENTS TO AUTHORS**

In this manuscript, the authors have evaluated “Folate receptor-targeted near-infrared photodynamic therapy for folate receptor-overexpressing tumors” Overall, this Manuscript provides valuable and valid data. I do not see any major issues in this Manuscript; the Manuscript can only be accepted after minor revision. A few minor issues need to be addressed, as pointed below: 1-The manuscript must be carefully proofread for grammar, spelling, and punctuation issues.