



PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Oncology*

Manuscript NO: 76757

Title: Potential of mRNA vaccines to become versatile cancer vaccines

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05115922

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2022-03-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-05 02:45

Reviewer performed review: 2022-04-07 08:56

Review time: 2 Days and 6 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 Grade E: Do not publish
Language quality	<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
Conclusion	<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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

First, the authors attempt to demonstrate the possibility of mRNA vaccines as a therapy option in the future. Second, despite the fact that the mRNA vaccine is not a new technique, the authors' accomplishment in attracting attention by citing the mRNA vaccination for COVID-19 is noteworthy. Third, it may have an impact on future clinical use.



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Reviewer's code: 00502951

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Canada

Author's Country/Territory: China

Manuscript submission date: 2022-03-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-20 23:00

Reviewer performed review: 2022-04-28 20:55

Review time: 7 Days and 21 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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

This is a well-organized review highlighting the potential of mRNA vaccine protocols for becoming an optimal form of therapeutic cancer vaccines. It is also discussed how the therapeutic impact of these mRNA vaccines could be increased by combination with several other types of cancer therapy. There are some deficiencies in the manuscript that need to be addressed: 1. The manuscript should be paginated, as this would allow specific page numbers to be listed when discussing particular details in the text. 2. Occasionally, there are minor imperfections in English. 3. Title: Using the term “pragmatic vaccine” is not in the spirit of English language. 4. Providing a separate list of all abbreviations (and their definitions) would be helpful. 5. Introduction, first sentence: vaccines should be defined not just for their induction of innate immunity but also adaptive immunity. 6. Using the term “fraudulent” when describing tumor microenvironment is a misnomer.