

PEER-REVIEW REPORT

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Title: Oncolytic virus therapy in cancer: a current review

Reviewer's code: 00504486

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: Brazil

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Reviewer chosen by: AI Technique

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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 Grade E: Do not publish
Language quality	<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
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 statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Major Comments As the organization of the review is good, it is easy to follow the context. We are impressive with “Future Challenge and Perspective” section in this review compared to other reviews. In our opinion, they had better add and explain more lies of evidence in the Future Challenge and Perspective. The other sections such as General Mechanism and Specific Oncolytic Viruses (OV) are too general to learn a new aspect on OV. Thus, we would like to suggest to summarize or make tables of genetic modifications in adenovirus, Vaccinia virus and HSV. **Minor Comments** 1. in Pt PV, a major capsid protein is VP2as far as we know. Please correct your comment on VP1 as a major capsid protein. 2. In Reovirus section, we found a typo-errot : a apaoptotic _> an apoptotic.