

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 61934

Title: Reduction of muscle contraction and pain in electroporation-based treatments: an overview

Reviewer's code: 02520799

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Slovenia

Author's Country/Territory: Italy

Manuscript submission date: 2020-12-23

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-02-18 11:37

Reviewer performed review: 2021-02-23 08:55

Review time: 4 Days and 21 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 Grade E: Do not publish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 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 type="checkbox"/> Accept (General priority) <input checked="" 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

This is the first review dealing with pain associated with electroporation-based treatments. The review is thorough and deserves publication, since it covers all the aspects from ECT to IRE. I have only minor comment in abstract section. Rephrase or explain what is meant with "lower effective membrane permeability" and "electric protocols with equivalent dose".

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 61934

Title: Reduction of muscle contraction and pain in electroporation-based treatments: an overview

Reviewer's code: 00227633

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Portugal

Author's Country/Territory: Italy

Manuscript submission date: 2020-12-23

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-02-18 18:21

Reviewer performed review: 2021-02-23 22:56

Review time: 5 Days and 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input 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

SPECIFIC COMMENTS TO AUTHORS

The author's purpose of the investigation is interesting, also for scientists from related research fields. I would recommend the suggestions described below: 1) The title should be short and concise. According to recent studies that would favor future citations to the paper. What is really new in the paper? Is the title the mirror of all the paper information? Was the word cancer mentioned? 2) Abstract should be quantitative as possible for rapid comparison with similar studies. Avoid imprecise terms such as:.... "shorter", but how much? lower, but how much? Quantitative values should be referred....After reading the paper information is missing in the abs. The abs should be a mirror of the paper and not a kind of intro, aims or approaches. 3)

Introduction should be less general and focuses in the main message of the paper. What are really the recent insights into ECT applications? At the end of the intro, it is also not clear what is the main message and relevant points of the paper that should be emphasize at this stage. 4) I would suggest that the authors could eventually include a timeline for these studies on order to emphasized what was done and what was no done yet. 5) A figure of the type and % of tumours study could be mention. 6) Criteria of exclusion/inclusion should be clear. 7) The results are not properly described. The authors should first describe in a quantitative manner the data before jump to conclusions. Avoid imprecise terms, such as lower and shorter. 8) Avoid jumping immediately to conclusion rather describe property the results, use quantitative values. 9) The figures could be globally improved, as possible, once the Journal deserves high quality figures and with rigor would avoid lacking of interest for the data. Legends should be also as complete as possible. 10) Discussion should be more assertive and concise and eventually be divided in sections with titles highlighting the major results. 11) Subsections for in vitro and in vivo studies could clarify the review. 12) Globally



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after discussion, the conclusions should follow the order of presentation of the paper with partial conclusions first and then global conclusions. 13) A scheme for a take home message, could besides pedagogical helpful for understanding the aims.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 61934

Title: Reduction of muscle contraction and pain in electroporation-based treatments: an overview

Reviewer's code: 00227633

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Portugal

Author's Country/Territory: Italy

Manuscript submission date: 2020-12-23

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-03-18 14:11

Reviewer performed review: 2021-03-18 14:24

Review time: 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
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
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

SPECIFIC COMMENTS TO AUTHORS

The authors were very positive regarding the reviewer's comments and also critics not agreeing with all the suggestions. The paper was globally improved upon changes introduced by the authors.