

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 61182

Title: Expert consensus of Chinese Association for the Study of Pain (CASP) on the Application of Ozone therapy in Pain Medicine

Reviewer's code: 02608938

Position: Peer Reviewer

Academic degree: MD, MSc, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-11-28

Reviewer chosen by: Lian-Sheng Ma

Reviewer accepted review: 2020-11-30 13:22

Reviewer performed review: 2020-12-07 02:50

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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 Grade E: Do not publish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 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



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SPECIFIC COMMENTS TO AUTHORS

Zhuang and co-workers in this manuscript discussed and summarized the current status of utilization of ozone in treatment of pain patients. They discussed many details of how to safely and appropriately apply ozone in appropriate patients or disorders in clinic. They also discussed potential cellular and molecular mechanisms underlying its analgesic effects or other effects. This manuscript will provide clinicians guidelines of how to use ozone in treatment various acute and chronic pain and may promote preclinic studies of underlying mechanisms. Therefore, I believe that it is suitable for publication. However, the writing should be improved. My specific comments are listed below.

1. How this ozone should be given should be discussed before the discussion of relevant molecular mechanisms. Alternatively, discussing pharmacological mechanisms should be accompanied with deliver route.
2. Following question 1 above, all molecular mechanisms are described in "cells" or some specific cells. How can ozone reach these cells if the route of injection is unknown? How are these cells related to pain sensation or sensitivity?
3. Authors discussed high, medium and high dose only with concentrations without volume and thus these are not doses although the volumes eventually are given in the table. It is unnecessary to repeat describing what these three doses are.
4. Editing and grammar as well as appropriate wording need to be taken care of again.
5. Please clarify the meaning of statement "Based on soliciting ... was reached." There is no reference and no information of this consensus.
6. Abbreviation can be used only for those words that will be used more than 2 or 3 times. Following the family name of authors, a coma should be given.
7. Appropriate references should be used to support statements, concept or conclusion. For example, the first paragraph in mechanisms of pharmacological action does not have any citation for support. By the way, this title can be shortened to "Pharmacological Mechanisms", instead.