

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 77531

**Title:** Protective effects of combined treatment with ciprofol and mild therapeutic hypothermia during cerebral ischemia-reperfusion injury

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05089997

**Position:** Editorial Board

**Academic degree:** Doctor, MD, PhD

**Professional title:** Consultant Physician-Scientist, Professor

**Reviewer's Country/Territory:** Romania

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-05-06

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-05-08 17:57

**Reviewer performed review:** 2022-05-15 12:16

**Review time:** 6 Days and 18 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 Grade E: Do not publish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 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

<b>Peer-reviewer statements</b>	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

In the manuscript: "Protective effects of combined treatment with HSK3486 and mild therapeutic hypothermia during cerebral ischemia-reperfusion injury", the authors hypothesized that ciprofol post-treatment after CA, could provide brain protection undergo TH. The article is interesting and has useful observations, but needs some enhancements before publication. Please consider the following major remarks: 1. You should clearly highlight in the introduction, the novelty of the article. 2. You should mention some characteristics and the source/producer of the materials used. 3. There is lack of appropriate representation through figures and tables. I think you should have at least 2-3 figures. E.g., you could add a figure with the chemical structure of Ciprofol and his mechanism of action, a schematic figure representing the workflow of the study and so on. 4. Also, you can summarize and refine some data as a table, in order to make it more readable. E.g., you could reorganize the text regarding the four animal groups in a table. 5. Can you provide a perspective and challenge section? 6. I consider that a Conclusions section should be included.

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**Peer-review model:** Single blind

**Reviewer's code:** 05820295

**Position:** Peer Reviewer

**Academic degree:** MBBS

**Professional title:** Doctor, Research Scientist

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-05-06

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-05-26 03:07

**Reviewer performed review:** 2022-05-29 13:53

**Review time:** 3 Days and 10 Hours

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
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous
	Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No

## SPECIFIC COMMENTS TO AUTHORS

The study entitled "Protective effects of combined treatment with HSK3486 and mild therapeutic hypothermia during cerebral ischemia-reperfusion injury" is a narrative review comparing the risk-benefits of using Ciprofol as a sedative agent along with hypothermia instead of propofol in patients of Cardiac Arrest to prevent ischaemia-reperfusion injury. Overall, the authors have cited various studies wherein Ciprofol has been used as a sedative and analgesic. The authors also present their hypothesis and a detailed plan to test their hypothesis. However, a detailed methodology is lacking regarding the collection and analysis of articles cited in the manuscript. The authors must consider using appropriate guidelines such as SANRA guidelines mentioned below: Baethge C, Goldbeck-Wood S, Mertens S. SANRA—a scale for the quality assessment of narrative review articles. Research integrity and peer review. 2019 Dec;4(1):1-7. Also the authors have merely mentioned the study results but added no interpretation regarding the same. The concept appears to be novel, but the authors need to rewrite the manuscript systematically.