

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 82585

Title: Full neurological recovery from severe nonexertional heat stroke with multiple organ dysfunction: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06301996

Position: Peer Reviewer

Academic degree: MD, MSc

Professional title: Doctor, Researcher, Surgeon

Reviewer's Country/Territory: Greece

Author's Country/Territory: China

Manuscript submission date: 2022-12-26

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-11 09:40

Reviewer performed review: 2023-01-14 04:32

Review time: 2 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Congratulations to the authors for their management and favorable outcome on this particularly challenging case of heat stroke. The outline of the report largely abides by the CAR 2016 checklist, with the exception that there is no reference to patient's perspective (although this item is optional). One minor suggestion regarding the Table 1: units of hemoglobin in g/dL (instead of g/L). It is not wrong, but the former form is more common in the clinical setting. Other minor amendments (typos etc) in the enclosed file.

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Title: Full neurological recovery from severe nonexertional heat stroke with multiple organ dysfunction: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06250974

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Doctor, Instructor, Staff Physician, Teacher

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2022-12-26

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-10 04:42

Reviewer performed review: 2023-01-22 09:45

Review time: 12 Days and 5 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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

SPECIFIC COMMENTS TO AUTHORS

Thank you for the opportunity to review this work. This manuscript is a case report presented an elderly patient with severe heatstroke with multiple organ dysfunction. Detailed comments about this case report are as follows: -In the introduction section, the author stated that "... and more aggressive cooling measures, similar manner to the therapeutic hypothermia (<36 °C for 24 hours) that is routinely administered to patients in postcardiac arrest, are recommended." However, the term targeted temperature management (TTM) is used nowadays instead of therapeutic hypothermia. (<https://www.ncbi.nlm.nih.gov/books/NBK556124/>) Therefore, please reconsider changing the term of that phrase, including other places entirely in the manuscript. -What is the predisposing factor and cause of heatstroke in this case? -The Sequential Organ Failure Assessment (SOFA) Score is a mortality prediction score based on the dysfunction of multiple organ systems. It might be suitable to report the SOFA score each day in the results. -In the literature search in PubMed, I found the literature (J Gen Fam Med. 2018;19(4):136-138) in a similar scope to this manuscript. It might be essential to compare that literature and this manuscript in the discussion section. -There are



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serial laboratory findings (days 1-30) in table 1, and it does not seem easy to understand the trending of those laboratory results. Please consider illustrating the figure instead of the table to clarify the tendency. Optionally, it, for example, might present table 1 as the original table 1 and add a new figure as a supplement figure. -In some places of the main text, there was used "IU/L." Nevertheless, there was "U/L" in Table 1. Please use a similar abbreviation. -The CARE checklist mentions the "strengths and limitations in your approach to this case." Therefore, please state the limitations of this case in the manuscript in the discussion section.