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PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 83935

Title: A rare cause of cerebral venous sinus thrombosis: Spontaneous intracranial hypotension syndrome : case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05291028

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2023-02-16

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-05 13:07

Reviewer performed review: 2023-03-07 10:49

Review time: 1 Day 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 Grade E: Do not publish
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 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

The authors present a case note of a 29-year-old woman with cerebral venous sinus thrombosis due to spontaneous intracranial hypotension syndrome. This report is potentially interesting, but the manuscript can be improved according to the following suggestions:

1. Readers would like to know the doses of the drugs administered to the patient.
2. The authors should mention in the text that the cerebral venous thrombosis accounts for 0-3% of ischemic strokes of unusual etiology subtype (Eur J Neurol 2001; 8: 133-139)
3. Clearly illustrate with an arrow the right superior sagittal sinus vein seen in figure 3 D.
4. It would be interesting to include in the Discussion a comment on the fact that differential diagnostic of the cerebral venous sinus thrombosis in young patients may also be with a hematological disease. This is a noteworthy aspect that should be emphasized (Expert Review of Hematology 2016; (9), 891-901). Add and comment on the reference

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Reviewer's code: 05521432

Position: Peer Reviewer

Academic degree: MS

Professional title: Associate Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-02-16

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-13 11:43

Reviewer performed review: 2023-03-14 14:12

Review time: 1 Day and 2 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
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The Authors realized a very interesting article describing the “A rare cause of cerebral venous sinus thrombosis - Spontaneous intracranial hypotension syndrome - case report”. I consider the manuscript very interesting but, at the same time, I suggest several revisions needed to improve the reliability and the completeness of the paper:

- The “Introduction” and “Discussion” sections should be more updated and improved, especially inserting the molecular genetics possible impact. I suggest adding data related to the involvement of oxidative stress, especially focusing on vascular components. The recent PMID: 30523548, PMID: 32184807, PMID: 36290689 and PMID: 26122242 could represent a substrate able to enforce the role of considered cellular mechanisms. • Finally, manuscript requires important English revisions and typos correction.