

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 71733

Title: Paradoxical herniation after decompressive craniectomy provoked by mannitol: A case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05142913

Position: Peer Reviewer

Academic degree: Doctor, MBBS

Professional title: Doctor

Reviewer's Country/Territory: Saudi Arabia

Author's Country/Territory: China

Manuscript submission date: 2021-09-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-19 17:55

Reviewer performed review: 2021-09-19 17:57

Review time: 1 Hour

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input checked="" type="radio"/> Accept (High priority) <input type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Re-review	<input checked="" type="radio"/> Yes <input type="radio"/> No



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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

Interesting to read

PEER-REVIEW REPORT

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Title: Paradoxical herniation after decompressive craniectomy provoked by mannitol: A case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03999836

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Czech Republic

Author's Country/Territory: China

Manuscript submission date: 2021-09-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-27 13:40

Reviewer performed review: 2021-09-28 09:37

Review time: 19 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 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 type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The authors present very interesting and from the educational point quite valuable paper describing an exceptional complication – paradoxical herniation after decompressive craniectomy provoked by mannitol. Abstract: Background : in the sentence However, Paradoxical transtentorial herniation – the use of capital letter in the word Paradoxical is incorrect. Case summary: The authors speaks about decompressive craniectomies, but on the CT scans provided only the right sided decompressive craniectomy can be seen. Therefore either correction or explanation is needed. Also the need for prolonged mannitol administration (7 days after surgery requires explanation (too long in the reviewer’s opinion in conscious patient with favourable results when considering CT scans and clinical picture). However I flully agree with the treatment measures used by the authors. The key words are well selected Main text: Introduction: The authors provide adequate introductory background for their case report. However the end of the sentence Currently, only a few cases have reported that paradoxical herniation may occur in the absence of CSF is not easily comprehensible – maybe the final part should be in the absence of CSF drainage Case Presentation: the points for discussion or for inclusion in the Case Report – was CT angiography performed or at least postcontrast CT evaluation performed, because the suspicion of AVM was quite high? If yes, it should be added to the report, or at least a shor comment abou the reason why postcontrast CT (or CT angio) has not been performed should be added. The grammar error his left limb was hemiplegic has to be corrected. The CT scans documenting the clinical deteriorations are well selected and dokument both the midline shift and transtentorial



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uncal herniation. The clinical decision making process is well described. However the dynamics of Na^+ blood level may be included to the report (maybe the initial hyponatremia 130 mmol/l is one of the contributing factors). However although the reviewer is not a native speaker of English language the sentence .. nervous system continued to improve and was changed within a few day from a a supine position to the Fowler's position. The final sentence The 2-mo outpatient follow-up revealed a good prognosis - should describe the outcome in more details (initial hemiplegia). Discussion part : Generally well written, but numerous spelling and syntactic errors should be corrected by a native speaker. Final statement : The case report is of educational value and therefore should be considered for publication. However meticulous correction should be undertaken including the language review by a native speaker.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Peer-review model: Single blind

Reviewer's code: 03999836

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Czech Republic

Author's Country/Territory: China

Manuscript submission date: 2021-09-19

Reviewer chosen by: Yu-Jie Ma

Reviewer accepted review: 2022-01-24 17:33

Reviewer performed review: 2022-01-24 19:02

Review time: 1 Hour

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input type="radio"/> Grade A: Priority publishing <input checked="" type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input type="radio"/> Accept (High priority) <input checked="" type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="radio"/> Anonymous <input type="radio"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors have substantially improved the scientific and educational level of the paper as well as its language quality. In my opinion this revised form can be considered for publication without any additional revision.