

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Neurology*

**Manuscript NO:** 85227

**Title:** Steroid-induced psychosis in an adult male with pituitary adenoma status post trans-sphenoid excision and a history of severe depressive episode: A case report

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

**Peer-review model:** Single blind

**Reviewer's code:** 06160065

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2023-04-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-04-18 08:23

**Reviewer performed review:** 2023-04-27 22:34

**Review time:** 9 Days and 14 Hours

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 Grade E: Do not publish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

<b>Scientific significance of the conclusion in this manuscript</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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

#### SPECIFIC COMMENTS TO AUTHORS

The case report reports an important rare complication for a specific condition. In addition, the case has been explained in detail and discussed sufficiently. This is an article that will contribute to the literature. The case has been explained in detail and discussed sufficiently.

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

**Peer-review model:** Single blind

**Reviewer's code:** 02841837

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2023-04-18

**Reviewer chosen by:** Geng-Long Liu

**Reviewer accepted review:** 2023-05-03 10:29

**Reviewer performed review:** 2023-05-03 10:59

**Review time:** 1 Hour

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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<b>Conclusion</b>	<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
<b>Re-review</b>	<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

## SPECIFIC COMMENTS TO AUTHORS

The authors presented a case related to perioperative steroid replacement for pituitary adenoma surgery. This manuscript also compared the two reported cases with the latest literature review of steroid-induced psychosis. This case report supports the association between a history of psychiatric illness with higher incidence in developing steroid-induced psychosis. Also, the higher dosage of steroid exposure can cause earlier manifestation of psychotic symptoms. In addition, this manuscript emphasizes that early recognition of steroid-induced psychosis leads to better prognosis. The authors could supplement the postoperative hormone status of the patient, especially for the cortisol. And thyroid function was also correlated with psychosis status. And from the post-operative MRI images, there was residual intrasellar tumor, which could be also discussed with the patients psychotic status.