

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 77385

Title: Common carotid artery thrombosis and malignant middle cerebral artery infarction following ovarian hyperstimulation syndrome: a 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: 2022-04-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-27 08:55

Reviewer performed review: 2022-05-01 06:20

Review time: 3 Days and 21 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 Grade E: Do not publish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
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 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

The authors present a clinical note reporting a 32-year-old woman presenting with common carotid artery thrombosis with malignant middle cerebral artery infarction following ovarian hyperstimulation syndrome. This report is potentially interesting, but the manuscript can be improved according to the following suggestions:

1. Rewrite the title using 'malignant middle cerebral artery infarction'
2. In the Abstract please remove duplications (ex: "...and the left internal carotid artery")
3. In the Case Presentation section, please adequately describe the content of the statement: "bilateral pathological signs (+)"
4. What was the NIHSS score during hospital admission and at discharge?
5. Please remove in the first line of the Discussion the sentence: "Carotid artery thrombosis can cause local arterial stenosis"
6. It would be interesting to include in the text a comment on the fact that acute ischemic stroke may also be caused by hematological diseases. This is a noteworthy aspect that should be emphasized (Expert Review of Hematology 2016; (9), 891-901). Add and comment on the reference
7. It should be noted in the Discussion, that malignant middle cerebral artery infarction is a devastating type of ischemic stroke. In a recent clinical series, decreased level of consciousness, nausea or vomiting, and heavy smoking were the main associated clinical factors (REV INVEST CLIN. 2015;67:64-70). It is recommended that this reference be included and commented on.
8. Check reference #1

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Reviewer's code: 05872945

Position: Peer Reviewer

Academic degree: MSc

Professional title: Attending Doctor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2022-04-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-01 17:54

Reviewer performed review: 2022-05-01 22:24

Review time: 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 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
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SPECIFIC COMMENTS TO AUTHORS

This is an interesting manuscript that describes a rare case of ovarian hyperstimulation syndrome (OHSS) complicated with common carotid artery thrombosis and cerebral infarction after egg retrieval and before embryo transfer. The authors may consider the following criticisms and questions in revising their manuscript. - Some major English issues need to be addressed, for instance: Page 2, line 26- "Admitted at" -The preposition use is incorrect here Page 2, line 20- "That palpable masses"- The conjunction use is incorrect here -Please, arrange laboratory data in table format for easy reading. -Please, define OHSS, and how it is diagnosed and classified in the manuscript text. -Have the authors considered the use of an Intra-arterial tissue-type plasminogen activator? Although it has had mixed outcomes; 2 cases have demonstrated successful recanalization Please, explain your treatment choice. (Elford K, Leader A, Wee R, Stys PK. Stroke in ovarian hyperstimulation syndrome in early pregnancy treated with intra-arterial rt-PA.Neurology. 2002; 59:1270-1272. GA, Wijdicks EF, Eggers SD, Phan T, Damario MA, Mullany CJ. Ovarian hyperstimulation syndrome with ischemic stroke due to an intracardiac thrombus.Neurology. 2001; 57:1342-1344) -"She and her relatives should receive further measurement of antithrombin III activity, protein S activity, and protein C activity to evaluate the risk of thrombosis. In addition, this patient had severe OHSS, and a high hematocrit level indicating a hypercoagulable state, which may be the cause of carotid artery thrombosis and non-atherosclerotic plaque [...]" . Surprisingly, thrombophilic disorders do not seem to be risk factors for severe OHSS. Please rephrase this part of the discussion to include this new information. (Lamazou F, Legouez A, Letouzey V, Grynberg M, Deffieux X, Trichot C, et al.. Ovarian

hyperstimulation syndrome: pathophysiology, risk factors, prevention, diagnosis, and treatment. J Gynecol Obstet Biol Reprod (Paris). 2011; 40:593–611. Fábregues F, Tàssies D, Reverter JC, Carmona F, Ordinas A, Balasch J. Prevalence of thrombophilia in women with severe ovarian hyperstimulation syndrome and cost-effectiveness of screening)

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2022-04-27

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-06-07 07:39

Reviewer performed review: 2022-06-07 07:52

Review time: 1 Hour

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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

SPECIFIC COMMENTS TO AUTHORS

The authors have made the previously recommended changes and responded the criticisms. Thank you for making these changes. I