

PEER-REVIEW REPORT

Name of journal: *World Journal of Hematology*

Manuscript NO: 72136

Title: Late ischemic stroke and brachiocephalic thrombus in a 65-year-old patient six months after COVID-19 infection: A case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02446043

Position: Editorial Board

Academic degree: FACC

Professional title: Lecturer

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: United States

Manuscript submission date: 2021-10-06

Reviewer chosen by: Xin Liu (Online Science Editor)

Reviewer accepted review: 2021-12-24 05:57

Reviewer performed review: 2021-12-25 13:36

Review time: 1 Day and 7 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 Grade E: Do not publish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 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 type="checkbox"/> Yes <input checked="" 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 report on a patient with braciocephalic artery thrombosis and subsequently cerebral emboli, who had Covid-19 some months previously. They attribute the thrombosis as due to a hypercoagulable state subsequent to the Covid-19 infection, and make the claim for publication based on the uniquely long interval of hypercoagulopathy between infection and thrombosis. Unfortunately their clinical description of the patient, infection and disease course is not adequate. Local immobilisation, trauma from medical procedures or accidents may predispose to braciocephalic thrombosis, as may the hypercoagulable state induced by vaccination. They thus need to address several important points in their case write up. 1. What is the actual interval between first diagnosis of Covid-19 and thrombosis? 2. What is the course of the Covid-19 infection eg how many days hospitalized, disease severity and especially whether the patient had prolonged upper limb immobilisation or any procedure to the subclavian territory 3. How long was the interval between Covid-19 vaccination and thrombosis presentation? 4. Were any side effects noted after vaccination? 5. Was the vaccination done in the same limb as the site of thrombosis? 6. Was there any immobilisation to the upper limb after Covid-19 or vaccination or from any other accidental injury eg firearm recoil? Even if all these features are not present, the authors have to mention them in the write up so that readers understand they have been considered in the work up of the patient.

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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03468197

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor, Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: United States

Manuscript submission date: 2021-10-06

Reviewer chosen by: Xin Liu (Online Science Editor)

Reviewer accepted review: 2021-12-23 07:09

Reviewer performed review: 2021-12-27 10:14

Review time: 4 Days and 3 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 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="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Dear Authors I carefully read and reviewed the paper titled "Late Ischemic Stroke and Brachiocephalic Thrombus in a 65-Year-Old Patient Six Months After COVID-19 infection: A Case Report". Problem stated well in introduction however a detailed data should be provided about Covid-19 symptoms. Covid-19 infection usually begin with flu like symptoms (Exp Biomed Res 2020; 3(4): 293-311. DOI: 10.30714/j-ebr.2020463629), however, it could be even asymptomatic or present with symptoms of various systems. Presented subjects was presented with vascular occlusion. Presentation of the case was adequate. However, authors should mention how much times has passed after 2nd Covid-19 shot. In addition dosages of the medications used should be expressed. Discussion was fair and conclusions were justified. Reference listing was in accordance with the Journal's instructions. Overall, I recommend revision of the issues as mentioned above before consideration for publication.

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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 01213172

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Doctor, Full Professor, Senior Lecturer

Reviewer's Country/Territory: Croatia

Author's Country/Territory: United States

Manuscript submission date: 2021-10-06

Reviewer chosen by: Xin Liu (Online Science Editor)

Reviewer accepted review: 2021-12-26 11:32

Reviewer performed review: 2022-01-03 16:29

Review time: 8 Days and 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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The authors describe the hypothesized/probable post-COVID19 -related hypercoagulability (two separate embolisms) in 65-year-old woman. The Abstract is too long. Some descriptions (eg 65-year-old female) and some parts of the text are repeated several times. When stated that the patient was test positive, omit the date but express the time related to the admission. Th description of the physical exam - please point out the pathological findings, and then...other exam was normal. Do not begin sentences with Arabic numerals (325 mg, 81.5%) Inflammatory markers: OMIT the Table. What about erythrocyte sedimentation rate and procalcitonin? What about troponin, NTproBNP? Was heart ultrasound done in this patient? The relation to the COVID19 infection is very debatable, and the Discussion should be written with more criticism.