



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 77720

**Title:** Amyloid  $\beta$ -related angiitis of the central nervous system occurring after COVID-19 vaccination: A case report

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

**Peer-review model:** Single blind

**Reviewer's code:** 05079606

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor, Senior Researcher

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

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

**Manuscript submission date:** 2022-05-30

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-06-13 07:45

**Reviewer performed review:** 2022-06-20 01:31

**Review time:** 6 Days and 17 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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<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
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### **SPECIFIC COMMENTS TO AUTHORS**

The authors reported a case of ABRA that manifested 2 weeks after COVID-19 vaccination. It's an interesting view since the complications of CNS have raised a lot of attentions recently due to COVID-19 as well as COVID-19 vaccine. Nevertheless, I have some suggestions. 1. Please add an injection timeline of the two doses of COVID-19 vaccine and the detail information of injected vaccines. 2. Please add the reference ranges of the white blood cell count, red blood cell count, platelet count, C-reactive protein, and other relative laboratory tests. 3. Although the patient had a better recovery after serial prednisolone administration, it's still lack of data which supported the "trigger of ABRA"—excessive immune response. I think the classification of peripheral blood leukocytes would help.



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**Reviewer's code:** 05236189

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Academic Research, Adjunct Associate Professor, Research Associate

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

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

**Manuscript submission date:** 2022-05-30

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-07-30 12:05

**Reviewer performed review:** 2022-07-30 12:29

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
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<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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### **SPECIFIC COMMENTS TO AUTHORS**

1. Authors should hold in their records the serial number of the vaccine performed. Registering this data in the World Health Organization adverse events is advised. 2. In the physical examination, the authors should describe pyramidal signs. 3. How many times were the starting neurological signs? Stroke code? Or was it progressive? 4. It is missing the images in the manuscript. a) It is advised to include at least three different views of the lesions or DW, T2, and flair. 5. The discussion should be improved. a) Could the authors provide a table with other vaccines or diseases already associated with ABRA? b) Explain “why the findings in the biopsy are not only associated with aging?” c) Provide reference and discuss the recent Boston Criteria. “The Boston criteria version 2.0 for cerebral amyloid angiopathy: a multicentre, retrospective, MRI-neuropathology diagnostic accuracy study.”