

LETTER TO THE EDITOR

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Thromboses of major arteries and ChAdOx1 nCov-19 vaccination

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Abstract

This correspondence discussed on published article on “thromboses of major arteries and ChAdOx1 nCov-19 vaccination”.

Keywords: Thromboses, Cov-19, Vaccination

Dear Editor, we would like to share ideas on the publication “Successful treatment of thromboses of major arteries after ChAdOx1 nCov-19 vaccination [1].” Zarrouk and Finsterer concluded that “Both were successfully treated with intravenous immunoglobulins and non-heparin anticoagulant agents ... in case 1 and four months in case 2. [1].” Thrombosis might occur in post COVID-19 vaccination. In the present case, the pathogenesis is still unclear. A possible mechanism in the present case is hyperviscosity following vaccination [2]. This is due to rapid change of blood viscosity due to immunogenicity process of COVID-19 vaccine [2]. The successful of treatment by non-heparin anticoagulant agents can support that the main pathological problem is not on coagulation component and platelet but plasma viscosity. Additionally, when there is a decline in stimulation, a decreased blood viscosity occurs and it is concordant with the observation that the patients improved within 6 weeks.

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Declarations

Ethical approval and consent to participate

Not applicable.

Consent for publication

Consent.

Competing interests

The authors declare that they have no competing interests.

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Abbreviation

COVID-19: Coronavirus disease 2019.

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