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Correspondence/Letter to the Editor

Adverse events following immunisation (AEFI) after first dose of COVID-19 vaccine



Dear Editor,

We would like to share ideas on “Higher incidence of reported adverse events following immunisation (AEFI) after first dose of COVID-19 vaccine among previously infected health care workers”.¹ Adverse event after vaccination is an interesting issue at present. The difference in the incidence of AEFI among ones with and without previous COVID might be due to many reasons. A possible explanation is on the immune response. In a recent report, the immune response in ones with previous COVID-19 is higher, and it results in a higher blood viscosity, which might result in AEFI.² It is necessary for good history taking for previous COVID-19 before vaccination, and there should be a good monitoring of post vaccination for those with previous COVID-19.

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Reply to ‘Adverse events following immunisation (AEFI) after first dose of COVID-19 vaccine’
No evidence to prove association of COVID vaccine with blood hyperviscosity

Dear Editor,

Our study¹ has reported higher incidence of mild adverse events following immunisation (AEFI) after first dose of

COVID vaccine among previously infected health care workers. These mild AEFI reported were due to vaccine reactogenicity mediated by cytokines. The clinical symptoms commonly associated with hyperviscosity i.e. neurological symptoms, visual symptoms and thrombosis were not observed in our study. Though research studies^{2–3} have documented higher antibody levels after COVID vaccination among previously infected individuals, its association with greater viscosity of blood as suggested by Joob B et al⁴, is not proven by any empirical study yet. Moreover, no study has reported higher risk of serious AEFI after vaccination among COVID recovered individuals.^{3,5–6} No other vaccine has been found to be associated with hyperviscosity syndrome till date. Hence, we cannot infer that individuals with previous COVID infection are at a greater risk of developing higher blood viscosity or other serious AEFI after COVID vaccination.

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20 August 2021

Available online 24 November 2021

0377-1237/\$ – see front matter

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<https://doi.org/10.1016/j.mjafi.2021.10.012>