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Letter to the Editor

Immune thrombocytopenic purpura and COVID-19 vaccination

Púrpura trombocitopénica inmune y vacunación frente a COVID-19

Dear Editor,

We would like to share ideas on the publication “Worsening of immune thrombocytopenic purpura (ITP) in SARS-CoV-2 vaccinated patients.¹” Garca Ramrez et al. provided an interesting case report and proposed that a platelet count should be collected before and after vaccination in persons with pre-existing ITP to avoid deadly bleeding episodes.¹ We’ve encountered some ITP patients in our clinic who were given COVID-19 and had no side effects. However, in our scenario, the COVID-19 vaccine that is administered locally is the non-mRNA COVID-19 vaccine. The specific association between COVID-19 vaccine and clinical course ITP COVID-19 vaccine recipient with underlying ITP is frequently difficult to determine. The cases reported by Garca Ramrez et al. definitely indicated a decrease in platelet count, but there is no information on immunological parameters or a search for other possible causes of thrombocytopenia. Dengue fever has been recorded as a concurrent medical concern in a COVID-19 vaccine recipient in our tropical setting, causing thrombocytopenia.² This emphasizes the importance of a thorough clinical study before

concluding that thrombocytopenia in a COVID-19 vaccine recipient is an unfavorable consequence of the vaccine.

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References

1. García Ramírez P, Castilla García L, Aspa Cilleruelo JM. Worsening of immune thrombocytopenic purpura in SARS-CoV-2 vaccinated patients. *Med Clin (Engl Ed)*. 2022, <http://dx.doi.org/10.1016/j.medcle.2021.09.017>. Online ahead of print.
2. Kebayoon A., Wiwanitkit V., Dengue after COVID-19 vaccination: possible and might be missed, *Clin Appl Thromb Hemost*, 27, 2021: 10760296211047229.

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