

Letter to the Editor

Ulcerative Colitis Relapse After COVID-19 Vaccination: Correspondence

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Dear Editor,

We would like to share ideas on the publication “A Case of Ulcerative Colitis Relapse Characterized by Systemic Type I Interferon Responses After COVID-19 [coronavirus disease 2019] Vaccination.”¹ Masuta et al.¹ concluded that “in this case of UC [ulcerative colitis] relapse following COVID-19 vaccination, type I IFN [interferon] responses were parallel to ... the exacerbation of UC.” We agree that COVID-19 might induce an abnormal immune response and might be associated with UC relapse. However, it is necessary to rule out any other prevaccination immunological problem or concurrent medical disorder. There are no specific data on the immune status of the vaccine recipient. Also, it is necessary to look for the possibility of another concurrent medical problem. In the previous report, the COVID-19 vaccine recipient might have

a concurrent arbovirus infection,² which is a possible cause of UC relapse.³

References

1. Masuta Y, Watanabe T, Minaga K, Kudo M. A case of ulcerative colitis relapse characterized by systemic type I interferon responses after COVID-19 vaccination [published online ahead of print February 26, 2022]. *Inflamm Bowel Dis*. doi:10.1093/ibd/izac031
2. Kebayoon A, Wiwanitkit V. Dengue after COVID-19 vaccination: possible and might be missed. *Clin Appl Thromb Hemost*. 2021;27:10760296211047229. doi:10.1177/10760296211047229.
3. Dey L, Mukhopadhyay A. A graph-based approach for finding the dengue infection pathways in humans using protein-protein interactions. *J Comput Biol*. 2020;27(5):755–768.