

COVID-19 Vaccine-Related Hypersensitivity Reactions and Second-Dose Vaccine Administration: Correspondence

Rujittika Mungmunpantipantip^a Viroj Wiwanitkit^b

^aPrivate Academic Consultant, Bangkok, Thailand; ^bDY Patil University, Pune, India

Dear Editor,

We find that the publication on “CoronaVac/Sinovac COVID-19 Vaccine-Related Hypersensitivity Reactions (HRs) and Second-Dose Vaccine Administration: Tertiary Allergy Center Experience” is very interesting [1]. According to Gumusburun et al. [1], in patients who had HRs from the first dosage of Sinovac, the second dose can be safely administered using a progressively increased dose. We agree that the COVID-19 vaccination is both effective and safe. However, the incorrect diagnosis of HR reaction to a vaccine is not an uncommon clinical problem [2]. Given the negative reaction, it is possible and necessitates a thorough study prior to diagnosis. According to the present findings, HRs should be diagnosed at the first dosage of vaccination. A false positive in diagnosis is possible. A confirmation by specific allergic test is usually required [2]. When there is a history of HRs in the first dosage, the clinical choice to give a second dose of vaccination is frequently difficult.

Edited by: H.-U. Simon, Bern.

Conflict of Interest Statement

The authors have no conflict of interest to declare.

Funding Sources

None.

Author Contributions

R.M.: 50% ideas, writing, revising, approval for final submission. V.W.: 50% ideas, supervising, revising, approval for submission.

References

- 1 Gumusburun R, Dalgic CT, Mete Gokmen EN, Sin AZ. CoronaVac/sinovac COVID-19 vaccine-related hypersensitivity reactions and second-dose vaccine administration: tertiary allergy center experience. *Int Arch Allergy Immunol*. 2022 Apr 22:1–7. Online ahead of print.
- 2 Radice A, Carli G, Macchia D, Farsi A. Allergic reactions after vaccination: translating guidelines into clinical practice. *Eur Ann Allergy Clin Immunol*. 2019 Mar;51(2):51–61.