

## Correspondence on the evaluation of patients with COVID-19 vaccine side effects

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Dear Editor,

We would like to share ideas on the publication entitled “Evaluation of patients of vaccine side effects after the COVID-19 vaccine”<sup>1</sup>. Gedik et al. sought to create a scientific database to catalog possible vaccination adverse effects<sup>1</sup>. Although fatigue was the most frequent complaint in 29.7% of cases admitted to the emergency room following immunization, Gedik et al. discovered that the most frequent diagnoses following an emergency room assessment were myalgia in 32.1% of cases and upper respiratory tract infection in 28.6% of cases<sup>1</sup>.

Comorbidities are rarely mentioned in clinical records, even when they do exist. It can occasionally be challenging to identify the specific patho-immuno-pharmacological relationship due to ignorance. It could also be challenging to comprehend how persistent medical conditions impact clinical results. Concern should also be expressed about the preceding asymptomatic COVID-19, which is not unusual<sup>2</sup>. It is possible for the response to the vaccination and the result in a prior COVID-19 case to

differ. Without proper laboratory testing, the effects of prior asymptomatic COVID-19 are often impossible to rule out. Genetics also plays a crucial role<sup>3</sup>. As the study’s findings are not supported by any prior research, obtaining new evidence is challenging. There may be a need for additional study that takes other issues into account. A further prospective study and an accurate assessment of the patient’s comorbidity are needed in order to draw a firm conclusion.

### AUTHORS’ CONTRIBUTIONS

**AK:** Conceptualization, Data curation, Formal Analysis, Funding acquisition, Investigation, Methodology, Project administration, Resources, Software, Validation, Visualization, Writing – original draft, Writing – review & editing. **VW:** Conceptualization, Data curation, Formal Analysis, Funding acquisition, Investigation, Methodology, Project administration, Resources, Software, Supervision, Validation, Visualization, Writing – review & editing.

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