

## Parsonage-Turner syndrome and SARS-CoV-2 vaccination

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Dear Editor,

We would like to share ideas on the publication "Parsonage-Turner syndrome after SARS-CoV-2 vaccination: A case report."<sup>[1]</sup> A male patient in this case report experienced Parsonage-Turner syndrome following the COVID-19 (coronavirus disease 2019) vaccine.<sup>[1]</sup> To the best of our knowledge, this is the first case recorded in Türkiye, as stated by Öncel and Coşkun.<sup>[1]</sup> It is typically still challenging to identify the precise clinical association because there is limited information available on the health and immunological status of vaccination recipients prior to inoculation. The patient's comorbidities may be the cause of the problem and are open to misunderstanding.<sup>[2]</sup> The vaccine recipient may have a number of cooccurring disorders in addition to their obvious clinical problem. Before making any inferences about the existence of an adverse event connected to a vaccine, any additional aggravating factors must be ruled out. Future research and careful planning are required. Additionally, research has shown that inherited genetic variation affects how vaccine recipients' immune systems react. Studies have shown that inherited genetic diversity influences how the immune systems of vaccine recipients respond.<sup>[3]</sup> A test must be performed to rule out any additional aggravating factors, such as comorbidity or an underlying medical condition. It is essential to

evaluate the COVID-19 vaccine's efficacy in a group of people with a variety of known immunological conditions and health problems.

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