

Review of: "Medical students' disease status of COVID-19: A multicenter study"

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Potential competing interests: No potential competing interests to declare.

This cross-sectional study looks at the medical students' disease status of COVID 19.

The title could refer to the type of study found in the abstract. It is well structured and contains most of the essential information.

The introduction presents the context of the study and the issues.

The material and methods section lacks the survey period, which is included in the discussion section.

The results section contains the main information about the survey responses. The confidence interval for the relative risk estimate is missing. Cross-tabulations could have been made, in particular between the occurrence of the disease and vaccination according to sex. Figure 1 shows the 39 districts, 4 of which have very similar names, raising the suspicion of a potential error (Abbotabad and Abbottabad on the one hand, and Lakki Marwat and Laki Marwat on the other). The GMU legend is missing from Figure 2.

Figures 3 and 4 are not easy to read because the symptoms are in descending order but in different directions.

The discussion summarises the main results and data from the literature. The sentence "Individuals who frequently visit healthcare setups are particularly prone to spreading the virus, especially if they are unvaccinated" deserves a reference because this assertion is not certain.

The conclusion is consistent with the results.