

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.

I read this intriguing article with full concentration. The authors evaluated COVID-19 disease status of medical students. They found that the medical students belonging to clinical years (3rd, 4th and final year) were at 1.31 times higher risk of contracting COVID-19 as compared to those belonging to preclinical years (1st and 2nd year). They mentioned, in Pakistan, most educational institutions including medical universities were reopened in September 2020 (almost at the end of the first year of pandemic) but there is no specific info about preclinical and clinical years of med school. If 3rd, 4th, 5th grade students couldn't continue their education in this period, the hypothesis is not supported. It is said that One source of the spread of infection can be attributed to the shared accommodation of clinical and pre-clinical students in hostels but we don't have data of accommodation type of the students who are infected by coronavirus.

The data wasn't evaluated statistically, the rates are higher but we don't know if there is a difference between groups significantly.

The most common symptoms reported during the first episode of COVID-19 were fever and body aches, while those during reinfection were fever and fatigue. Myalgia and arthralgia can be used instead of body aches in full text.

The hypothesis is not well supported by the evaluation and the comparison of data. The results are not unique and couldn't be explained well enough.