

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.

In the abstract

Need of the study and the conclusion do not match.

Methods

The authors talk about sampling but missed to address about sample size. As the power was not calculated the results generated may not be statistically significant, missing level of significance and confidence interval, as apart of analysis plan in the methods section.

It's unclear, based on which guidelines were the questions developed? Were the questions validated? Were the reliability testing done? Any pretesting done? All these are missing in the methods section.

Regarding Google form

How was the duplication or multiple participation from same student with one google link to Google form entry controlled? How was the bias controlled? This process is not explained in the methods section.

Results:

The result section is incomplete, it lacks explanation of the obtained results, all the results are in the form of table or figures but they are not described. Result lacks inferential statistics.

The students in clinical years (3rd, 4th and final year) are 1.31 (relative risk) times more likely to get COVID-19 than preclinical years (1st and 2nd year).

The authors have missed on explaining about the calculated relative risk and neither defined relative risk within the methodology.

Discussion:

1 year and 5th year participants are relatively same in numbers, authors did not explain about these similarity.

