

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.

An interesting study, however, there are some concerns that I think will enrich the study if they are taken into consideration. In addition, the manuscript will benefit from a native English-speaking reviewer for language editing.

Abstract:

- Better not to use abbreviations in the abstract such as KPK

Introduction:

1. *"Presently Pakistan is facing the fifth wave of the COVID-19 epidemic"*
 - It is better to mention the date of reporting this as it provides the audience with the context of when this has occurred.
1. *"Until now 1,486,361 confirmed cases of COVID-19 have been identified up till now in Pakistan out of which 210,726 cases are from the KP province."*
 - Please provide the date for this data, for instance, when is "until now"?
 - "KP province", please give the full name of the province as it is first appeared in the text (as you have already done) next to its abbreviation in two parentheses.
1. The flow of the paragraphs needs to be amended as in the current form the information presented is quite mixed up.
2. The rationale of the study and the aims of the study are missing and they should be mentioned at the end of the introduction section.
3. The words KP and KPK have been mentioned interchangeably, please be consistent.

Material and Methods:

1. *"All undergraduate students of MBBS and BDS of various medical"*
 - What are these "MBBS and BDS"?
1. Has the questionnaire been validated and pilot tested?
2. *"A self-developed questionnaire was administered to the students"*, based on what the questionnaire was created?
3. Please mention when the survey was conducted.

4. What was the response rate?
5. Sampling technique is not clear.
6. Better to give some details about the questionnaire, such as, it composed of how many questions in total, the types of response options...etc

Results:

1. Table 1. Some of the total frequencies and percentages are not correct. Please double check and make amendments.
 2. In general, results need more explanation.
 3. *"The students in clinical years (3^d, 4th and final year) are 1.31 (relative risk) times more likely to get COVID-19 than preclinical years (1st and 2nd year)."*
- Where is the data or statistical analysis to support this finding?