

# Impact of COVID-19 on Teaching and Learning in Medical Institutions of Sialkot

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## ABSTRACT

**Objective:** To find out the impact of COVID-19 on teaching and learning in medical institutes of Sialkot and to identify the need of communication skills, decision making, problem solving and improving learning assessment outcomes in students.

**Study Design:** Prospective cohort study

**Place and Duration of Study:** This study was conducted at the medical institutes of Sialkot from January 2021 to August, 2021 for a period of 08 months.

**Materials and Methods:** Total 50 professionals of various designations from professors to Senior Registrar of 03 medical institutions namely Khawaja Muhammad Safdar Medical College Sialkot, Islam Medical college Sialkot, Sialkot Medical College were including in the study.

**Results:**

**Conclusion:** The impact of COVID-19 on teaching and learning process affects globally, nationally and regionally. The results are to be determined in order to find out barrier in teaching and learning process. The study issues can be resolved by experienced quality instructors, student interest, effective curriculum design and uninterrupted online tutorials.

**Key Words:** Impact, COVID-19, Challenges, Online, Approaches

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## INTRODUCTION

COVID-19 Pandemic has become one of the major health problems throughout this world which was first identified in Whohan china in December, 2019. On 11 March 2020 the WHO declared COVID-19 a pandemic, later on, it went across the whole world and has affected all age group with poor outcomes in particularly those patients who are with Comorbidities.<sup>(1,2,3)</sup> This COVID-19 Pandemic has affected the cultural economic sectors of worldwide countries and at the same time it has affected the teaching and learning process throughout the world.<sup>(4)</sup> There was a sense of fear among the parents and for which all over schools and colleges were closed and later on it has

affected many teachers due to which a lot of intellectual and educational damage has occurred in the college, schools and universities face to face.<sup>(5,6)</sup> The students and teachers relation stopped and the spiritual relation was converted into an electronic format through internet and other modes of electronic formats. There is a big gap which needs to be bridged up to compare the situation before and after the pandemic in regard to learning and teaching process. The students were not able to work in contact with the patients and thereby they were not able to find out progress of these patients. The clinical skills and at the same time their mode of evaluation.<sup>(7-9)</sup> Had affected the objective of our study is to find out the impact of COVID-19 Pandemic on teaching and learning process with prospective to teachers. The teachers are in a better position to describe the impact of mode of information transfer, clinical skills and communication skills, decision making, problems solving and criteria.

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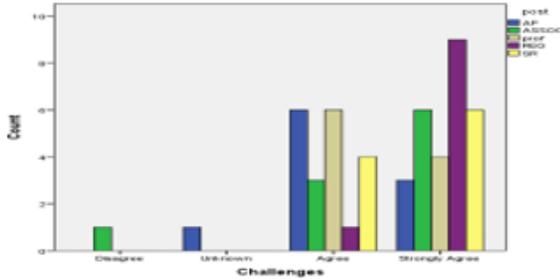
## MATERIALS AND METHODS

This study has been conducted in Medical colleges where 10 years teaching experience professionals were interviewed from January 2021 to 31<sup>st</sup> August, 2021. The convenience purpose sampling was carried out.

**Exclusion Criteria:** - All those teachers with less than 10 years experience was excluded from study. The questionnaire was handed over to teachers after taking proper consent from them.

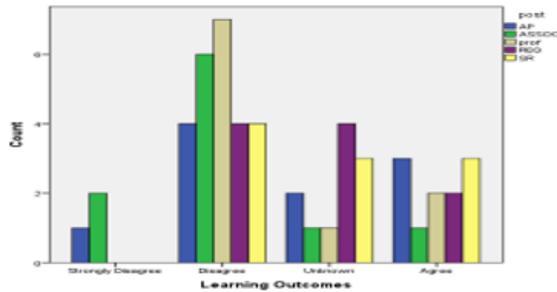
**RESULTS**

Most of the subjects (96%) confirmed about the challenges faced during COVID-19 agreed on acceptance of challenges. (As shown in figure no. 1).



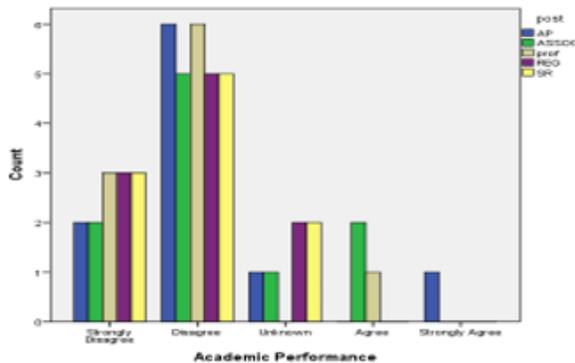
**Figure No.1: Graph / Bar (Grouped)=Count by 02 by Post**

While 26% of the subjects disagreed on achievement of the learning outcomes as framed in curriculum while 22%. They were in the opinion that they have achieved the learning outcomes. (As shown in figure no. 2).



**Figure No.2: Learning Outcomes**

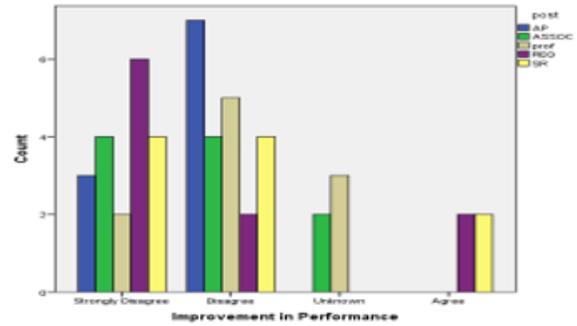
Similarly, as regard the students academic performance is concerned 80% disagreed regarding the achievement of the improvement in academic performance (As shown in figure no. 3).



**Figure No.3: Academic Performance**

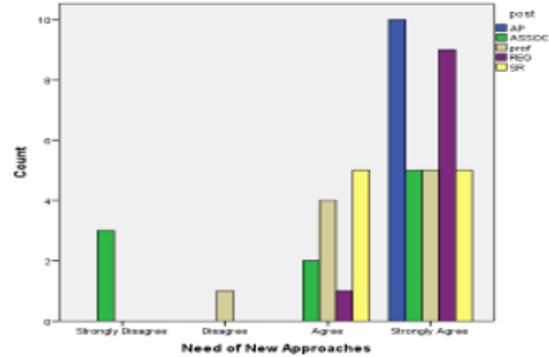
When the comparison was done on campus and on the education leading to improvement in their performance revealed 82% of the professionals they were in the opinion that there was no

improvement in performance as compared on campus education. (As shown in figure No. 4).



**Figure No.4: Improvement in performance**

On the need assessment of the new approaches 92% of the participants they agreed to have new approaches (as shown in figure no. 5) as compare to other previous methods used during this COVID-19.



**Figure No.5: Need of new approaches**

**DISCUSSION**

When the whole world was facing crisis of pandemic, it was realized that there is need of in depth studies to find out the impact of crises of COVID-19 outbreak.

In our study which was conducted between January, 2021 to 31<sup>st</sup> August, 2021. We tried to find out that how COVID-19 pandemic affected the teaching and learning process in this aspect to students from on sight to online teaching methodologies.

Many academic social, emotional, financial and other challenges were faced by students as predicted in our study. Adapting a new way of teaching, uncertainty, stress are unforeseen challenges. Our study is consistent with survey which was carried out by Martih AJ and ET-all in Australia<sup>(10)</sup> The face to face encounter of students teachers was withheld and the institute has to modify the curriculum design in order to get the learning objectives in line for which the administration has to hire experienced staff for delivering those curriculum to the students. This study of curriculum design has been highlighted by Jenkins 2015 to get satisfaction from students and our study is consistent

with study carried out by Jenkin. Lectures organized their contents and learning outcomes according to their mode of transmission on the students as occurred during this pandemic and our study is also consistent with our study carried out by Khan Alberto <sup>(11)</sup> where they have carried out a National survey of medical students in Philippine at time of COVID-19<sup>(12)</sup> and similarly our study was also incongruent to Sub-Saharan Africa <sup>(13)</sup> and in odd line survey carried education in other parts of world. From academic performance, we were concerned to find out availability of home infrastructure, students expertise in computer network and both. These issues were raised in the study which was carried out by comcarian at all <sup>(14)</sup> and also in North America, Europe with students, they were not having any excess to printers connectivity problem as seen in study of Tormay <sup>(15)</sup>.

There was no improvement, whatsoever in student academic performance due to loss of.

## CONCLUSION

There is intense need to find out impact of COVID-19 on teaching and learning process. Globally, nationally, and regionally as there are devastating effects of this of this pandemic with unsolved mysterious paradox and negative effects on quality educational outcomes in this distant electronic format learning. There are needs to address these issues through experienced quality instructor, student, interest, proper and timely feedback, effective curriculum design and uninterrupted online learning process.

### Author's Contribution:

Concept & Design of Study:	Sajid Hussain
Drafting:	Iqra Ishaq
Data Analysis:	Aqsa Ishaq
Revisiting Critically:	Sajid Hussain, Iqra Ishaq
Final Approval of version:	Sajid Hussain

**Conflict of Interest:** The study has no conflict of interest to declare by any author.

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