

APPLICATION ATTESTATION FORM (AAF) STS 2019

STS Reference ID: 2019-06231
Name of the Student: Uzma Faizan Ahmad Shaikh
Name of the Guide: Dr. Savitri Katlam
Name of Medical/Dental College: M.G.M. Medical College Kamothe, Navi Mumbai
Title of the STS Proposal: Perception and preferences of medical students towards innovative teaching and learning methods in Pharmacology



Certificate to be signed by the Student

I certify that I am an MBBS/BDS student and am here by providing true information in the online application form for STS 2019 best to my knowledge. I am submitting only one application for STS 2019. In the event any information is found to be false, my studentship may be cancelled. I also certify that the research proposal is an original work prepared under the guidance of my Guide. I confirm that I have not committed 'plagiarism' in preparing this proposal. I understand that after evaluation of my proposal, I may or may not be selected and I shall abide by the decision of ICMR.

If selected, I shall follow all instructions provided on ICMR website for carrying out the research, preparation and submission of STS report. I also understand that if I am unable to complete my project & submit the report before the last date, no certificate or stipend will be awarded to me. I have gone through all the Instructions and Terms & Conditions for STS 2019 provided on ICMR website and will abide by them.

Signature of Student: Uzma's Name of the Student: Uzma Faizan Ahmad Shaikh
Date: 25/1/19

Certificate to be signed by the Guide

I agree to accept the applicant Mr./Ms. Uzma Faizan Ahmad Shaikh studying in MBBS/BDS-I/II/III/IV (tick appropriate). I certify that he/she is not an intern or student of other courses and I will offer him/her all facilities and guidance for carrying out STS research. I also certify that the proposal is an original submission prepared by the student under my guidance. I confirm that neither me and nor my student have committed 'plagiarism' in preparing this proposal. I am forwarding only one STS 2019 student application. If my student is selected, I shall provide required facilities to enable early completion of research work, so that the report is submitted before the last date.

Signature of Guide: [Signature] Name: Dr. Savitri Katlam
Designation: Asst. Professor
Department: Pharmacology

Attested By

[Signature]
Signature of Head of Department
DR SAVITA SHAHANI

[Signature]
Signature of Head of Medical/Dental College
DR. G. S. NARSHETTY

1. STS Reference ID: 2019-06231

2. Title:

“Perception and preferences of medical students towards Innovative teaching and learning methods in Pharmacology”

3. Introduction

Pharmacology, like any other branch of medicine is, progressing by leaps and bounds. Consequently reforms in undergraduate teaching are the need of the hour. It is generally agreed that reviewing the teaching program at regular interval, and modifications in the methodologies of imparting basic knowledge about drugs and drug therapies is a must. Many attempts have been made by various colleges all over India and abroad (1) to make the teaching of pharmacology more interesting and relevant. The course assessment instruments like feedback may help to know about the pros and cons of teaching and assessment methods.(2) Currently, students feedback represents the primary means used by most programs to assess their methodology (3) though a lot of verbal and non-verbal feedback is conveyed to the faculty in pharmacology, most of them is not published.(4)

Several innovative teaching learning methods that focus on student-centric learning have been adopted in medical education. Traditional lectures are passive learning tools therefore the focus on student centric approach which promotes active learning is beneficial to improve the overall quality of medical education. (5,6) Therefore the present study has been designed to evaluate the perception and preferences of medical students towards Innovative teaching and learning methods in Pharmacology

4. Aim and Objectives

Aim: To study the perception and preferences of medical students towards Innovative teaching and learning methods in Pharmacology

Objectives:

1. To assess the perception and preferences of innovative teaching and learning methods among second year medical students in pharmacology

Innovative teaching and learning methods:

- Problem based learning
- Computerized assisted learning
- Integrated teaching
- Student symposium

5. Methodology

Permission from Institutional Ethics Committee will be obtained

Study Design: Cross sectional, observational, questionnaire based survey

Site of study: Department of pharmacology, Medical College (Navi Mumbai)

Study Participants: Second Year MBBS Students

Study duration: 2 months

Sample size: 100 (Minimum)

Inclusion Criteria:

- Age 18 above
- Either sex
- Second Year MBBS Students

Exclusion criteria:

- Participants not willing to participate and sign informed consent

Materials:

- A) Questionnaire: Innovative Teaching and Learning is a validated scale questionnaire which has ten questions with likert responses ranging from score 1 to 5
- B) Consent Form to record participant informed consent

Study Methodology:

Second year medical students will be approached for participation. Informed consent will be obtained. Participants will be asked to fill the Innovative Teaching and Learning questionnaire and then the duly filled questionnaire will be taken back. Participants failing to return the questionnaires or incompletely filled will be excluded from data analysis.

Statistical Analysis:

Data will be entered in Microsoft 2007 Excel and will be statistically analyzed. Data will be expressed in terms of mean \pm SD, frequency, proportion and percentage.

6. Implications

- This study will provide a feedback on the changing perception and preferences of medical students regarding the newer teaching learning methods
- The findings of the study will help us to plan and incorporate such innovative newer teaching learning methods in regular day to day teaching and to improving the overall of standards and quality of medical education

7. References

1. Bapna JS. Experiences in teaching rationale drug use. *Indian J Pharmacology* 1993; 25:2-4
2. Kuruvilla A, Ernest K. Patient oriented problem solving system of teaching pharmacology. *Indian J Pharmacol* 1994;26:185-7
3. Medical Council of India regulation on graduate medical education. New Delhi: Medical Council of India; 1997
4. Mc Millan DE, Wenger GR. Effects of curriculum and format changes in a medical pharmacology course. *Acad Medicine*. 1987;62:836-41
5. Meguid EA, Collins M. Students' perceptions of lecturing approaches: traditional versus interactive teaching. *Adv Med Educ Pract*. 2017;8:229-41.
6. Joshi KP, Robins M, Reddy MY. Perception and preferences of teaching and learning methods in community medicine: a cross sectional study. *Int J Community Med Public Health*. 2018;5:2821-4.