



**Editorial** 

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# Is Need for Introduction Basic Research in to First Year Medical Students?



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#### **Editorial**

The principal growth of medical teacher have for fascinate first year in basic research are to guide them in academic careers, graduate education and acquire their perception of the quality and profession of science [1, 2]. The following points were

a. Teach the undergraduate medical students on the benefits of research.

b.Motivate the students to accommodate with student-preferred topics of their research, presentation in scientific conferences, to create opportunities for their own, stimulate extracurricular research. And interactions with other researchers

c.Suggest students to balance their academic and research careers.

#### Barriers to research

The barriers were reported that, the lack of adequate research and biostatistics in the curriculum. This is very important for any study like adequate knowledge of the subject and awareness of research principles [3]. The primary challenges facing clinical research are lack of trained research guides and inadequate funding [4-11].

According to the previous studies, awareness towards research and the output shows that medical students had higher perceptions towards research methodology and curriculum [12]. This would suggest that there is a need for introductory class to teach first year medical students the importance of research to medicine. The sessions should enable students to understand why research is incorporated in the medical curriculum.

#### Discussion

Supervised visits will allow students to observe an original research study. Research expert can act as supervisors and guide the students and motivate to choose more relevant topics. This would further increase students' interest in basic research.

The availability of competent research supervisors are plays a vital role in students' career to become research-oriented clinicians. With regard to gender, the previous studies have reported that, the female students significantly more competent research skills, study design, biological statistics and paper presenting than male students.

Recent studies have shown that first year medical students are largely unaware of the research activities in their host institution. Nevertheless, over half reported that they are interested in a career incorporating medical research, and over one fifth have taken a research as his/her choice of course. Students with higher perceived research skills competency are more motivated to pursue research. Overall, a majority of students indicated moderate to high levels of motivation towards doing research.

#### Conclusion

Future medical research, specifically translational research, is dependent on the interaction between physician scientists, basic scientists and other health care providers undertaking innovative patient and disease focused research. Their attitudes towards pursuing a career in research mirrors other findings [13], but their lack of awareness of the research activity in their home institution due to the fear and stress created by the faculties who are not interested in research activities. The first is an interactive research website for medical students, which will highlight ongoing medical research in the university and provide research skill straining resources. Highly motivated and research-enabled students must be mentored by highly motivated staff.

#### Recommendation

Future programmes should incentive vise and mandate the inclusion of undergraduate medical researchers where appropriate. Encourage the development of a supportive undergraduate research environment is recommended [14,15]. It is also essential to create new pathway to increase staff engagement in student research. This can be done through formal training in student supervision and faculty time for student project work

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[16]. Few of the Steps which primarily need to be taken for a better medical education in the country like medical research and clinical skills need to be worked on in colleges.

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