



Knowledge, attitude and practice towards research among undergraduate medical student

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Introduction:

Research in medical has an impact on prevention, diagnosis, and newer treatments for medical ailments. It paves ways for evidence – based medicine. Involvement of undergraduate in research was less, so this study was to determine the factors and their perception towards research. The medical student should be aware of the methods in carrying out research as its helpful in professional academic work and help in resident career decision to practice evidence-based medicine in patient care. The study was to assess knowledge, practice and attitude among medical students in India. The primary objective of this study is to evaluate the knowledge attitude, practice and the barriers towards research among undergraduate.

Methods and Materials:

This a questionnaire based cross-sectional study conducted at ACS Medical college and hospital Chennai, India. The questionnaire contains 10 different question which include assessing the knowledge such as Abbreviation ICMR , ethical clearance is important, ICMR issue 50,000/- MBBS student , Research –Methodology workshop will help to understand , Attitude such as Research –important for career growth, Research – role in medical field, Should include research in curriculum and Practice such as participated in any research , published any research paper. Totally 577, undergraduate medical student from 1st to final phase were participated in this study.

Result:

Totally 577 were participated in study among them 63% (n:335) were females and 37% (n:242) were males. They have very poor knowledge about the research funding provided by the Indian Council of Medical research (ICMR). About ethical clearance only (20.7%) has said ethical clearance is important to do any type research. (87%) student were understood research is necessity for career growth and development. However only (8.4%) were actively involved in research. (94.6%) student have suggested to include research in medical school curriculum.



Discussion:

The study show that , among the medical students knowledge about the research is very poor. Indian Council of Medical Research (ICMR) grant provides funding to encourage the medical students which is around 50,000/- which is not issues to our study group. This shows that research funding information is not reached properly. We also found that ethical clearance is not important to all the study among our study population. This shows that the poor knowledge about the research. However our study group thinks that research is important for the career growth.

Conclusion:

Research is more important in health science in India, only Allied health science and other health courses doing research as a part of curriculum, but in undergraduate medical student doesn't have any research exposure. It is important to encourage medical student towards the scientific research, which shows a high grade performance in their clinical knowledge and practice, it can be achieved by conducting research workshop, presentation and involving them in journal club. These measures provide adequate knowledge about research.

