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Table with 4 columns: Respondent Area, Knowledge Score, Attitude Score, and Practice Score. It contains data for various respondent areas and their corresponding scores.



Original Research Article

**Knowledge, attitude and practice of informed consent process in biomedical research among postgraduate medical students**

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**ABSTRACT**

**Background:** Research is integral part of post graduate studies. Informed consent is a vital ethical and regulatory requirement for the conduct of biomedical research.  
**Methods:** Mixed methods study was carried out from July to August 2017. Cross sectional part constitute quantitative component and forced field analysis (FFA) forms qualitative part. Approval from the institutional ethical committee was obtained. Pre-designed, validated, structured questionnaire was used to gather information from 114 participants about knowledge, attitude and practice (KAP) regarding informed consent process. FFA was employed to understand driving and restrictive forces in obtaining informed consent from the research participants.  
**Results:** Out of the 114 study participants majority participants were males i.e. 69.3% and pursuing post-graduation in clinical subjects. There is significant association between knowledge (p=0.008), attitude (p=0.032) among postgraduates from clinical and nonclinical departments. Among clinical 51.7% and 48.3% among non-clinical have good knowledge and 67.7% among clinical and 32.3% among non-clinical have good practice. Main driving forces for informed consent process identified during FFA were ICMR guideline for biomedical research, feeling morally right to inform the participants about what the research. Main restrictive force was fear of losing the participant due to signing on informed consent.  
**Conclusions:** There is good knowledge among postgraduates about informed consent process however there is scope of improvement in attitude and practice. Ethics training should address how to build trust with research participants and how to overcome the fear of losing the study subject.  
**Keywords:** Informed consent, Biomedical research, Knowledge, Attitude, Practice

**INTRODUCTION**

Research is integral part of post graduate studies. Research will help the students to develop critical thinking, understand problem solving, generate scientific evidence and enhance self-directed learning. Every postgraduate student have to conduct research as a part of their dissertation and conference presentations and one publication which is required to appear for the examination.

Most of the colleges impart research methodology training for all postgraduates including sessions on ethical guidelines as understanding of ethical principles is critical in conducting research.

Informed consent is a vital and regulatory requirement for the conduct of biomedical research and is one of the most important benchmarks of ethical clinical research.<sup>1</sup> A well-constructed informed consent is foundation of one of ethically conducted research because it provides the

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