

# Clinical Trials and Therapeutic Drug Monitoring

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## Reflection of knowledge and concern of ethical principles among biomedical postgraduates: A cross-sectional observational study from India

Krishnan Vengadaragava Chary  
Saveetha University, India

**Objectives:** To evaluate the current knowledge about code of ethics involved in biomedical research and to assess the researcher's knowledge on informed consent process doing biomedical research.

**Methodology:** This cross-sectional study was conducted using validated questionnaire between January and April 2016. Questionnaire consists of two sections; in first section knowledge of basic ethical principles of human research was elucidated. In the second section, specific questions regarding informed consent process was asked to our study population of our sampling unit using random sampling method.

**Results:** Out of 250 biomedical postgraduates, 165 (66%) researchers were found to have adequate knowledge about basic ethical principles. 113 (45.2%) researchers found to have knowledge on informed consent process and 137 (54.8%) researchers still need to be enlightened on the same. Subgroup analysis showed this significant difference ( $p < 0.05$ ) seen between first and final year postgraduates; the later possessed more knowledge of biomedical principles. 103 (41.2%) researchers have attended special workshops related pertaining specifically for bioethics.

**Conclusion:** Our study reflected satisfactory trend among Indian biomedical postgraduates about bioethics; however workshop and training should be emphasized for fresher's at an earlier stage of their curriculum which will facilitate them to conduct their thesis with ethical concern from the inception. Bioethics lessons should be conducted for all biomedical researchers periodically to update the amendments.

### Biography

Krishnan Vengadaragava Chary has completed his Post-graduation in Pharmacology from prestigious Stanley Medical College, India. He is Research Coordinator of Saveetha Medical College. He has been engaged in medical teaching, functioning as consultant for CROs and ethics committees. He has fetched prizes for research presentations in various proceedings and has five publications in Thomson Reuters, PUBMED and four papers in SCOPUS indexed journals.

[doctorkrishforu@gmail.com](mailto:doctorkrishforu@gmail.com)

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