

BIOMEDICAL RESEARCH

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Biomedical Research encompass basic research to pre-clinical and then clinical research. Both preclinical and clinical research leads to drug development or certain innovations. As increased longevity of humans can be attributed to the advancement of medical research. Clinical Research involve human that include clinical trials. Applied research led to clinical research and it translate into product of research that expands in field of Medicine. But there is still a great need of better understanding of diagnostics and implications of advancement of medical research.

Among the major benefits of research are the development of vaccines of different infectious diseases, such as COVID-19, Polio, Measles, TB, Typhoid, and Hepatitis. Development of new surgical techniques as microsurgery have been increasingly successful in treatment of advanced diseases.¹

Most of Medical Research is going on by Biomedical Scientists but significant discoveries have also been made by other Biologists. Research and publication play a very vital role in progress of sciences in any field.² But this should always be kept in view that medical research on humans must be strictly followed the medical ethics, that has been found in World Medical Association Declaration of Helsinki.³ Therefore, scientific misconduct should be avoided while conducting biomedical research.

REFERENCES

1. Parker WS, Winsberg E. Values and evidence: how models make a difference. *Eur J Philos Sci* 2018;8(1):125–142.
2. Shah N. Ethical issues in biomedical research and publication. *J Conserv Dent*. 2011;14(3):205-207
3. World Medical Association. WMA declaration of Helsinki – Ethical principles for medical research involving human subjects. <https://www.wma.net/policies-post/wma-declaration-of-helsinki-ethical-principles-for-medical-research-involving-human-subjects/>