

RESEARCH METHODOLOGY

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**INTRODUCTION TO
RESEARCH
METHODOLOGY**



WHAT IS RESEARCH?



Research is "creative and systematic work undertaken to increase the stock of knowledge". It involves the collection, organization and analysis of information to increase understanding of a topic or issue. A research project may be an expansion on past work in the field. [Wikipedia](#)



WHAT IS CLINICAL RESEARCH ?
WHAT IS CLINICAL TRIAL?







**IS THERE ANY
DIFFERENCE
BETWEEN
THESIS ,
DISSERTATION
RESEARCH
PAPER AND
RESEARCH
ARTICLE ?**



□ Steps Involved In Research

1. Proposal Writing/Synopsis Writing
2. Conducting Experiment
3. Collecting And Analyzing Data
4. Arriving To A Conclusion



Requirement for synopsis writing

- ▶ Selecting a problem
- ▶ Formulating a research question
- ▶ Generating research hypothesis
- ▶ Review of literature
- ▶ Formulating Aim and Objectives
- ▶ Select appropriate research methodology
 - 1.study setting
 - 2.study design
 - 3.sample size
 - 4.sampling technique
 - 5.Measurement of outcome
 - 6.Plan for statistical analysis



Outcome of research

- ▶ **Results**
- ▶ **Discussion**
- ▶ **Conclusion**



Thank
you

