

ST.JOSEPH'S COLLEGE FOR WOMEN (A), VISAKHAPATNAM
VII SEMESTER STATISTICS TIME: 2 Hrs/Week
ST 7254(2) ANALYSIS OF CLINICAL TRIALS – I Max.Marks:50
SYLLABUS

Objectives:

1. Understand the fundamental principles and methodologies involved in designing clinical trials.
2. Analyze the ethical considerations and regulatory frameworks governing clinical trials.
3. Evaluate various types of clinical trial designs and their applications in different research settings.
4. Interpret statistical methods commonly used in the analysis of clinical trial data.
5. Collaborate effectively with interdisciplinary teams involved in clinical trial research.

Learning Outcomes:

1. Demonstrate a comprehensive understanding of the key concepts and methodologies involved in clinical trial design and analysis.
2. Identify and assess ethical considerations and regulatory requirements pertinent to the conduct of clinical trials.
3. Compare and contrast different types of clinical trial designs and their respective strengths and limitations.
4. Apply appropriate statistical techniques to analyze and interpret clinical trial data accurately.
5. Critically evaluate the validity and reliability of findings reported in clinical trial literature.

SYLLABUS

List of Practical

1. Determination of Sample size
2. Multiple Logistic Regression with two or Three variables

3. Analysis of Clinical trial data using Cross over design

4. Analysis of Clinical trial data using Parallel design

5. Meta-analysis of Clinical trials