Advanced Clinical Trials: Design, Conduct & Analysis

Duration: 5 Days

Language: en

Course Code: IND5 - 152

Objective

Upon completion of this course, participants will be able to:

- Understand the fundamental principles of clinical trial design.
- Develop skills in conducting and managing clinical trials.
- Learn advanced methods for analysing clinical trial data.
- Gain knowledge of regulatory and ethical considerations in clinical research.
- Enhance their ability to communicate clinical trial results effectively.

Audience

This course is intended for:

- Clinical researchers
- Medical practitioners
- Healthcare professionals involved in clinical trials
- Data analysts in health sciences
- Regulatory affairs specialists
- Graduate students in clinical research and related fields

Training Methodology

The course employs a blend of instructional methods, including:

- Interactive lectures
- Hands-on trial design and analysis sessions
- Group discussions and case studies
- Expert-led Q&A sessions
- Comprehensive course materials and resources

Summary

This advanced course comprehensively explores clinical trial methodology, focusing on clinical trials' design, conduct, and analysis. Participants will gain an in-depth understanding of the principles and practices essential for conducting high-quality clinical research. The course combines theoretical instruction with practical applications, preparing healthcare professionals and researchers to effectively design and manage clinical trials.

Course Content & Outline

Section 1: Introduction to Clinical Trials

- Overview of clinical trial phases and types
- Key concepts in clinical trial design
- Ethical considerations and informed consent

Section 2: Designing Clinical Trials

- Formulating research questions and hypotheses
- Randomisation methods and control groups
- Sample size calculation and power analysis

Section 3: Conducting Clinical Trials

- Recruitment and retention of study participants
- Data collection methods and management
- Monitoring and ensuring trial quality

Section 4: Analyzing Clinical Trial Data

- Statistical methods for clinical trial analysis
- Handling missing data and protocol deviations
- Interpreting and reporting trial results

Section 5: Practical Applications and Case Studies

- Developing a clinical trial protocol
- Case studies and collaborative problem-solving
- Communicating findings to stakeholders
- Course review and expert Q&A

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the

Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

Categories

Health, Safety & Environment HSE, Healthcare & Pharmaceutical

Tags

Clinical Ethics, Medicine, Clinical Trials