

# Essentials of Clinical Trials



## Overview

This course gives attendees a clear understanding of the fundamental principles of Randomised Clinical Trials (RCTs). Lectures and practical sessions cover the key issues in design, conduct, analysis and reporting, with a focus on major clinical trials that directly influence clinical practice. Topics are addressed with perspectives from both public sector research and the pharmaceutical industry.

## Teaching

The course will be coordinated by Jennifer Nicholas, Tim Collier and members of the Department of Medical Statistics who have extensive experience in the design, conduct and analysis of trials in a variety of clinical specialities.

## Course content

The topics to be covered will include:

- Design of RCT: randomisation, blinding, trial size
- Ethical conduct: participant consent, data monitoring and when to stop early
- Certified Good Clinical Practice (GCP) training
- Introduction to statistical methods for both design and analysis
- Alternative designs for clinical trials
- Reporting: how to write and critique a clinical trial report
- Clinical trials in practice
- Practical experience in development of a clinical trial protocol.  
(Participants will work in small groups to develop and present trial protocols.)

## Who should apply?

The course is relevant to anyone who'd like to get an understanding of the rigorous evaluation of interventions in health care, including clinical research professionals, research managers, and other scientists with an interest in clinical trials.

## Travel & Visas

The student is responsible for obtaining any visa or other permissions to attend the course, and is encouraged to start the application process as early as possible as obtaining a visa for the UK can sometimes take a long time. The Short Courses team can provide supporting documentation if requested.

## Accreditation

The course has been approved by the Federation of the Royal Colleges of Physicians of the United Kingdom for 30 category 1 (external) CPD credit(s).

## Key information

### Course organisers:

Jennifer Nicholas, Timothy Collier & Ruth Canter

### Fees for 2020:

£1,873.50

### Contact email:

[shortcourses@lshtm.ac.uk](mailto:shortcourses@lshtm.ac.uk)

### Find out more and apply:

[www.lshtm.ac.uk/study/courses/short-courses/clinical-trials](http://www.lshtm.ac.uk/study/courses/short-courses/clinical-trials)