VALESTA ACADEMY

Share Knowledge. Develop Talent.

Understanding Statistical Concepts in Clinical Research

Practical information: **Number of participants: Between 5 and 12**
Duration: ½ day (13:00 – 17:30)
Price per person @ Valesta office: €450

Course Overview

Statistics play an integral part in clinical research and the use of statistics allows researchers to draw reasonable and accurate inferences from collected information to make correct decisions. This statistics course is designed for non-statisticians as an introduction to basic statistical concepts which are fundamental in preventing errors and biases in clinical trials.

The course answers routine questions and looks at topics such as intervals, hypothesis testing and methods for establishing non-inferiority and equivalence. Upon completion, the attendee will have an increased understanding of statistical concepts and terminology, that will help improve communications and collaboration with clinical research statisticians.

By attending this course you will gain:

- An increased understanding of basic statistical concepts relevant to clinical research
- Knowledge of computational formulas and the appropriate use of said formulas
- Insight into the understanding and interpretation of the different aspects of a clinical trial protocol

Course Content

The content of this course is theoretically based and will be adapted to the language of a non-statistician. The content will ensure the attendee will understand the key concepts that will in turn, help them understand clinical literature in the workplace.

Topics that are being covered during this training are:

- Basic statistical terminology in clinical research
- Basic statistical concepts such as hypotheses testing and P-values, type I and II errors, statistical power and sample size
- Research questions behind the objectives of clinical trials, such as a central trial issue, hypothesis stating, identifying study endpoints
- Insight into different study types and designs
- Critical statistical issues in design and analysis such as variability, bias, randomisation, blinding, methods of patient selection and choice of control group

The course is set up in a workshop-style, allowing participants to engage actively in all key areas of a clinical trial, with the main focus on statistical aspects. The attendee is encouraged to take an active part in the discussions beyond the basic statistical concepts.

For more information or to reserve a seat on this training course please contact us today!

We are flexible! Should you require training to be carried out in-house, we would be happy to discuss your needs and come up with a suitable solution for you.
Call our office on +32 15 28 15 05!