



Statistics for Medical Research

Basic level course

Presented by

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- ❖ **Venue:** LRC, the computer lab, 1st floor
- ❖ **Structure:** 3 days course with a maximum of -20 participants (from 9.00 am to 2.00 pm)
- ❖ **Purpose of the program and course**

The course is designed to provide the participant with the basic knowledges and skills enable them to understand and use **Statistics for Medical Research.**
- ❖ **Candidates criteria:** Participants with no or minimal knowledge about statistics.
- ❖ **Objectives:**

- ✓ To be aware with the basic statistics for medical research
- ✓ To be familiar with and able to use the SPSS program
- ✓ To understand descriptive statistical methods and statistical estimation
- ✓ To be able to choose and use the proper statistical tests either parametric or non-parametric tests.

❖ **Methodology:**

- ❖ **Interactive Lectures:** highlighting all the topics
- ❖ **Discussions:** to investigate and address the participants concerns and queries
- ❖ **Practical Hands-on:** A computer device with SPSS program will be allocated for each candidate and all steps will be followed and corrected by the instructor.

❖ **Curriculum**

- ✓ Introduction to statistics.
- ✓ Introduction to SPSS program
- ✓ Descriptive statistics
- ✓ Contingency tables
- ✓ Statistical estimation
- ✓ Paired T-test & hypothesis testing
- ✓ Unpaired T-test
- ✓ Chi square test
- ✓ ANOVA tests
- ✓ Non-parametric test.

❖ **Fees: 550 LE**