INVITATION

Dear Colleagues,

I am happy to inform you that we are conducting workshop on

“Application of Statistical Softwares in Medical Research”
at our Institute. The program includes lectures by eminent faculty covering various topics of Statistics along with interactive hands-on training on computer.

We look forward to your active participation in the workshop.

Dr. Shashi Sharma

Course Content:

- Data management using SPSS, Data collection tools, Types of data, Type of studies
- Introduction to commonly used statistical softwares.
- Database creation, Data Manipulation/Transformation and importing external databases
- Descriptive statistics: calculating mean, standard deviation, reporting frequencies.
- Testing Hypothesis: Parametric tests: (independent t test, paired t test, ANOVA etc.) and Non-Parametric tests: (Mann Whitney U test, Wilcoxon signed ranked test etc.)
- Correlation and Overview of regression models - Linear, Multiple, Introduction to logistic regression.
- Evaluation of diagnostic tests
- Agreement analysis, Sample size determination
- Hands on training on all topics in various Statistical Softwares (SPSS, Epi-info, etc.)