

## PATRON

**Prof. Raj Kumar**

Hon'ble Vice Chancellor  
Panjab University, Chandigarh

## ORGANIZING COMMITTEE

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## THEME

To answer a primary research question related to toxicity/ efficacy of a drug, one needs to plan a study involving research question, hypothesis of the study, objectives of the study; and accordingly choice of study design becomes a randomized controlled trial including specific phases of trials. Depending on hypothesis, one has to explore sample size, considering involved variation, effect size and statistical inputs like level of confidence and power of the study. For randomization of patients, one needs to create unpredictable allocation sequence and adopt method regarding concealment. Analysis of RCT is very specific to research question. In addition to considered drug, one needs to explore possible confounders and effect modifiers, if any. All these issues will be discussed in the webinar using a case study on non-inferiority randomized controlled trial with a focus on interpretation in a layman language.

## SPEAKER

**S.N. Dwivedi, Ph.D., FSMS, FRSS (UK)**  
**Professor, Department of Biostatistics**  
**All India Institute of Medical Sciences**  
**New Delhi**

**Brief Profile:** Professor S.N.Dwivedi completed Masters/PhD (Statistics) degrees from Banaras Hindu University. He is Professor of Biostatistics, at Department of Biostatistics, and Adjunct Faculty of Clinical Epidemiology Unit, All India Institute of Medical Sciences, New Delhi. He has been contributing innovatively through epidemiological/ bio-statistical research including Randomized controlled trials /Systematic-review & Meta analysis/Epidemiological modeling with a focus on cancer/drug abuse/ stroke. He has been lecturing in India/abroad as Visiting Professor (Gothenburg School of Public Health, Sweden; College of Medicine, St. Georges' University, Grenada, West-Indies; University of Dammam, Saudi-Arabia). He has about 250 research publications. He is elected Fellow of the Indian Society for Medical Statistics. He has made multiple academic visits to each of various countries, e.g. USA, UK, Canada, Australia, Japan, China, Korea, Thailand, West Indies, Italy, Sweden, Netherlands, Saudi Arabia, Sri Lanka.

## WHO CAN ATTEND

Faculty and Research Scholars from different Universities / Institutions /Colleges.

## REGISTRATION

Free registration can be done by 12.6.2020  
(4:30 PM) at e-mail: [chstats20@gmail.com](mailto:chstats20@gmail.com)

## TIME 3.00 PM ONWARDS

Online Link of the seminar will be shared to Registered participants and speakers only.

**ONLINE ONE-DAY  
NATIONAL WEBINAR**

**On**

**Randomized Controlled Trials:  
Phases and Planning**

**June 13, 2020**

**(3.00 PM, onwards)**



**Organized by**  
**Department of Statistics**  
**Panjab University, Chandigarh-160014 INDIA**

**LOCAL HOST/COORDINATOR**

**Dr. Manoj Kumar Tiwari**

**Chairperson**

**Department of Statistics**  
**Panjab University, Chandigarh**

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