

Workshop Series 2019 – 20

Design, Analysis and Interpretation of Diagnostic Tests Studies

Mar 31 – Apr 3, 2020

(Last date of registration: March 17, 2020)

Course Director: **Prof. Sanjay Zodpey, Director**

Course Coordinator: **Dr Niveditha Devasenapathy, Associate Professor**



Training Venue:

Indian Institute of Public Health- Delhi

Public Health Foundation of India

Plot 47, Sector 44, Institutional area, Near HUDA City Centre metro station, Gurgaon-122002, Haryana, India

Key Contact person:

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About the workshop

Diagnostic tests are important tools in clinical practice and public health that aid in diagnosis of diseases/conditions which in turn impact on therapeutic decisions. A diagnostic test could be physical examination, a procedure or questionnaire. The clinical usefulness of diagnostic tests are generally quantified using parameters like sensitivity, specificity and likelihood ratios that can be computed very easily. However, diagnostic studies that estimate these parameters are prone to several biases and further interpretation of the findings can be misleading and tricky. Hence, a knowledge on the design and interpretation of these studies, and applying this information to day to day clinical decision making are vital for researchers and clinicians. This four day workshop aims to impart knowledge and skill in critically appraising such study reports.

Contents

- Computation of test performance parameters (Specificity/Sensitivity/Likelihood ratios/ROC) using Stata 15 and other online softwares
- Choice of gold standard and sampling approaches for diagnostic studies
- Key biases in affecting diagnostic studies
- Sample size calculation using nMaster
- Reliability and agreement studies
- Computation of reliability and agreement statistics using Stata 15
- Critical appraisal for diagnostic studies
- Reporting standards (STARD and GRRAS guidelines)

Registration Fee

Indian National: 10000 INR per participant

Foreign National: 20000 INR per participant

The registration fee includes course kit, lunch and snacks with tea/coffee. Please note that the participants will have to bear their own travel, boarding and lodging expenses. However, the organizers will be able to provide a list of hotels or guesthouses nearby the institute upon request.

How to apply?

Interested participants may email their completed registration form at trainings@iiphd.org and submit the fee by E-transfer or by Demand Draft in favor of “Public Health Foundation of India” payable Delhi and dispatch to the key contact person. **Bank details for E-transfer will be shared upon request. We do not accept cash. International participants** are requested to submit the fee **only by E-transfer**.

The seats are limited therefore, registrations will be confirmed first come first serve basis.

Who should attend?

This workshop is suitable for clinicians and clinical researchers. Health professionals (Junior and Senior residents, faculty) researchers from the industry, biotechnologists and PhD scholars can apply for this workshop. Basic understanding of quantitative statistics and computing skills are desirable.

About the faculty

Dr. Niveditha Devasenapathy, Associate Professor is a medical doctor by training and is a full-time faculty at the institute. She has a formal degree in clinical trials and received training in advanced epidemiology and applied bio-statistics. She has around 14 years of experience in the field of health research and applied statistics. She is involved in design and conduct of in-house academic programs in health research and has the experience of having conducted several workshops for health professionals of diverse background.

