



SATYA: सत्य

Systematic Review and Assessment of Diagnostic Test Yield Accuracy



Organized by-

TRC, AIIMS, Jodhpur

In collaboration with-



TRC, NIRT, Chennai

ICMR-NIIRNCD, Jodhpur



Funded by: Department of Health Research (DHR)-Indian Council of Medical Research (ICMR)

TAKE-AWAYS

These are the major learning objectives of this workshop.

Critical appraisal of DTA studies

Most diagnostic accuracy studies vary in quality and methodology. Thus, participants will learn how to critically appraise DTA studies, assess bias using QUADAS-2, and determine whether the reported accuracy is truly reliable and clinically meaningful.

Designing and conducting robust DTA studies

Once you master critical appraisal, you can focus on designing high-quality DTA studies.

Learn to select appropriate reference standards, handle indeterminate results, and apply correct statistical methods such as ROC analysis and likelihood ratios

Interpreting results and clinical implications

The application of DTA results goes beyond sensitivity and specificity.

This module emphasizes understanding predictive values, post-test probabilities, and how to interpret diagnostic results

Integration into evidence-based practice and policy

Diagnostic test accuracy evidence plays a vital role in guideline formulation, regulatory approvals, and technology assessments.



Tutors of tomorrow

The wheel should keep turning. With this workshop, participants will be equipped not only to interpret and conduct DTA studies but also to mentor peers

About the Workshop



28th -30th January 2026

3 days onsite workshop



trc.aiimsjodhpur@gmail.com



WHO SHOULD APPLY?

Postgraduates, researchers, and faculty from medical, dental, and allied health fields interested in diagnostic research, evidence synthesis, or guideline development.

HURRY UP!

Last date to register:
30th December 2025

30 SEATS HURRY!!

Selection:

Participants will be selected based on merit and relevance of their application. Priority will be given to those actively involved in research or evidence-based practice.





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The topics include (but are not limited to):

- Critical appraisal of published SRMAs for correct application in real-life settings
- Development of a complete protocol
- Systematic literature search across different databases and reporting the search process
- Efficient screening of the literature for relevant studies, and documenting the process
- Data extraction: from reporting study characteristics to cleaning data for quantitative synthesis
- Deriving and visualising summary estimates for different types of outcomes
- Assessing the heterogeneity between different studies, and interpreting this correctly
- Exploring associations to answer the reason behind heterogeneity in different studies
- Study quality assessment for different study designs using appropriate validated tools
- Reporting bias and publication bias - There is more to it beyond just "If ≥ 10 studies, then this, else that..."
- Evidence quality and certainty assessment according to the GRADE framework
- How are SRMAs used to inform clinical guidelines, public health recommendations, and policy-making?
- Are SRMAs restricted to academics or do they have a place in the medical industry too?
- Use of artificial intelligence in evidence synthesis
- Identifying a research gap and formulating the required research question
- Reporting the findings of an SRMA, and disseminating them

Patron

Dr. Pankaj Bhardwaj, Director, ICMR-NIIRNCD

Chairperson

Dr. Sneha Ambwani, HoD, Pharmacology, AIIMS Jodhpur

Dr. Mithu Banerjee, HoD, Biochemistry, AIIMS Jodhpur

Member Secretaries

Dr. Jaykaran Charan, Additional Professor, Pharmacology, AIIMS Jodhpur

Dr. Dharamveer Yadav, Additional Professor, Biochemistry, AIIMS Jodhpur

Dr. Rimple Jeet Kaur, Associate Professor, Pharmacology, AIIMS Jodhpur

TRC Members

Dr. Jagdish Goyal, Dr. Prem Prakash Sharma, Dr. Deepak Kumar, Dr. Lokesh Saini

Organizing Team

Dr. Ranu Oza, Dr. Pravesh Aggarwal, Dr. Hitendrapal Solanki



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