

Organizing Committee

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Associate Professor
Obstetrics & Gynecology

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Additional Professor
Pediatrics Surgery

Co-Organizing Secretary

Dr Neeraj Pawar
Assistant Professor
Community Medicine

AIIMS Raebareli, Uttar Pradesh

Registration: [Click here](#)
Registration is free but mandatory

Last Date for Application: 10th November 2025

All India Institute of Medical Sciences, Raebareli



AIIMS Raebareli is one of the Apex healthcare institutes being established by the Ministry of Health & Family Welfare, Government of India under the Pradhan Mantri Swasthya Suraksha Yojna (PMSSY), with mission to establish a centre of excellence in medical education, training, health care and research imbued with scientific culture, compassion for the sick and commitment to serve the underserved.

OVERVIEW OF THE WORKSHOP

The workshop aims to equip participants with comprehensive skills in conducting systematic reviews and meta-analyses, from formulating research questions and conducting literature searches to analyzing data using standard tools, interpreting results, adhering to PRISMA guidelines, and addressing ethical considerations in evidence-based research.

ICMR-DHR WORKSHOP

**Systematic Review and Meta Analysis:
Evidence Synthesis for Clinical Research**
11th-12th Dec 2025

Organized by



**All India Institute of Medical Sciences,
Raebareli**

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स्वास्थ्य अनुसंधान विभाग
DEPARTMENT OF HEALTH RESEARCH

ICMR-DHR WORKSHOP

Systematic Review and Meta Analysis: Evidence Synthesis for Clinical Research
11th-12th Dec 2025

Systematic reviews and meta-analyses (SRMA) are at the pinnacle of the evidence-based medicine hierarchy. They form the basis for clinical guidelines, inform policy decisions, and shape future research. However, the skills required to conduct high-quality SRMA are not routinely imparted in standard medical curricula. There exists a significant need for capacity building in SRMA methodology among Indian medical researchers to promote quality research and publication.

This two-day national workshop aims to empower researchers with conceptual understanding and practical skills in conducting systematic reviews and meta-analyses, thus fostering a culture of evidence synthesis and scientific writing.

Aims of the workshop

- Learn the basics & methodology of systematic reviews
- Gain hands-on training in screening, data extraction & analysis
- Master tools for meta-analysis & Develop skills to publish high-quality reviews

Application Criteria:

- Eligibility: Faculty members from Medical Colleges (MD/MS), Dental, Nursing, Allied Health Sciences, Public Health, and Senior Residents from medical and allied disciplines.
- Selection Criteria: First-come, first-served basis
- Capacity: Limited to 50 participants to ensure a focused and interactive learning environment.

Important Information

- Registration is free but mandatory** for attending the workshop.
- Selected candidates must bring their own laptops** for hands-on sessions.
- Accommodation & Travel** : Participants are responsible for arrangement of their travel and stay. The organizing team can assist by providing a list of nearby hotels.
- Meals** will be provided at the workshop venue during the event.
- Confirmation of Participation:** Selected candidates must confirm their participation **via email by the specified due date**. Failure to do so may result in the slot being offered to waitlisted candidates.



ICMR-DHR WORKSHOP

Systematic Review and Meta Analysis: Evidence Synthesis for Clinical Research 11th-12th Dec 2025

Important deadlines:

- Registration Opens: 15th October 2025
- Last Date for Application: 10th November 2025
- List of Shortlisted Candidates: 22nd November 2025
- Confirmation by Candidates: 25th November 2025

All correspondence should be addressed to

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drparulaiimsrbl@gmail.com

For Other Queries

Dr Sunita Singh-8518881733 (Enrollment)

Dr. Neeraj Pawar-7974376057 (Enrollment)

Dr. Himani (SR)- 7830201562 (Boarding/lodging/travel)

Dr. Ikshita (JR) - 816 896 2449 (Boarding/lodging/travel)

Dr. Anuj Saraswat (JR) – 9027572038 (Boarding/lodging/travel)

Program schedule 11th-12th Dec 2025

Day 1: Foundations – Framing, Searching, and Screening

Time	Session Title	Key Topics	Faculty	Type
09:00–09:15	Inauguration & Workshop Overview	Overview	Dr. Parul Sinha	Inauguration
09:15–09:45	Pre-Test	Baseline assessment of SRMA knowledge	SRMA team	Assessment
09:45–10:30	Research Capacity Strengthening under DHR Program	DHR overview	Dr A Stephen	Lecture
10:30–11:15	Principles of Evidence-Based Medicine	Hierarchies of Evidence, Role of SRMA	Prof. Bhola Nath	Lecture
11:15–11:30	Tea Break			
11:30–12:10	Framing the Review Question (PICO)	Clinical Question Types, Eligibility Criteria	Prof. Anand Srivastava	Lecture
12:10–12:40	Hands-on: Formulating Review Questions	Building PICO Questions & Inclusion Criteria		Hands-on
12:40–01:20	Protocol Development & PROSPERO Registration	Components of a Good Protocol, Registration Steps	Prof. R. K. Garg	Lecture
01:20–01:50	Hands-on: Drafting Protocol and Registration	Mock Protocol Creation and PROSPERO Demo		Hands-on
01:50–02:20	Lunch Break			
02:20–03:00	Designing a Search Strategy	Boolean Operators, MeSH Terms, Grey Literature	Prof. R. D. Singh	Lecture
03:00–03:30	Hands-on: Database Searches (PubMed, Cochrane, Scopus)	Live Search Demo & Exporting Results		Hands-on
03:30–04:10	Screening Studies Using Rayyan/Covidence	Inclusion/Exclusion Criteria, PRISMA Flow	Mr. Richard Kirubakaran	Lecture
04:10–04:50	Hands-on: Data Extraction Tools & Templates	Covidence, Rayyan Extraction Sheets		Hands-on
04:50–05:00	Day 1 Wrap-Up & Q&A	Recap and Instructions for Day 2	SRMA Team	Discussion

Day 2: Critical Appraisal, Meta-Analysis, and Reporting

Time	Session Title	Key Topics	Faculty	Type
09:00–09:45	Risk of Bias & Critical Appraisal	Cochrane RoB Tool, AMSTAR-2	Prof. Balendra P. Singh	Lecture
09:45–10:30	Hands-on: Appraising Studies	Applying RoB Tools, AMSTAR-2 Worksheets		Hands-on
10:30–11:30	Meta-Analysis Concepts & Statistical Foundations	Fixed vs Random Effects, Heterogeneity (I^2), Effect Sizes	Dr. Neeraj Pawar	Lecture
11:30–01:30	Hands-on Meta-Analysis	Forest & Funnel Plots, Subgroup & Sensitivity Analyses	Dr. Muhammad Aaqib Shamim	Hands-on
01:30–02:00	Lunch Break			
02:00–02:40	Reporting Results: PRISMA, GRADE & Tables	GRADE Approach, PRISMA Checklist	Mr. Richard Kirubakaran	Lecture
02:40–03:20	Hands-on: Preparing Summary Tables & PRISMA Flow	GRADE Tables & PRISMA Templates		Hands-on
03:20–04:05	Group Presentations of Mini-Protocols	Presentation & Faculty Feedback	All Resource Faculty	Interactive
04:05–04:50	Post-Test & Feedback	Evaluation of Learning Outcomes	SRMA Team	Assessment
04:50–05:00	Certificate Distribution & Closing Remarks	Acknowledgments & Wrap-Up	All Faculty	Closing

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