

RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI

*Department of Laboratory Medicine, Technical Resource
Centre, Centre for Evidence based Guidelines presents*

META-ANALYSIS FOR RANDOMISED CONTROL TRIALS (RCTs)



25TH – 26TH JULY, 2026

HONORABLE SPEAKER

PROF. (DR.) KAMESHWAR
PRASAD

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META-ANALYSIS FOR RANDOMISED CONTROL TRIALS (RCTs)

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PROGRAM SCHEDULE

Time	Session	Learning Objectives	Resource Person
DAY 1: 25TH JULY 2026			
9:00–9:30 AM	Registration	Participant registration	—
9:30–10:00 AM	Welcome & Course Overview	Workshop objectives and expected outcomes	Dr. Arpita Rai
10:00–11:00 AM	Introduction to Systematic Reviews & Meta-analysis	Research Question, PICO, Protocol Development	Dr. Arpita Rai
11:00–11:30 AM	Inauguration Ceremony & Tea Break		
11:30 AM–12:30 PM	Comprehensive Literature Search	PubMed, Cochrane Library, Embase, ClinicalTrials.gov	Dr. Arpita Rai
12:30–1:15 PM	Study Screening	Rayyan, Eligibility Criteria,	Dr. Manoj Kumar Prasad
1:15–2:00 PM	Lunch Break		
2:00–2:45 PM	PRISMA 2020 Flow Diagram	PRISMA 2020 Flow Diagram	Prof. (Dr.) Ajay Kumar Bakhla
2:45–3:30 PM	Data Extraction Performing Meta-analysis in RevMan	Designing extraction forms and collecting outcome data Effect measures, Fixed vs Random Effects Models	Dr. Amit Kumar
3:30–3:45 PM	Tea Break		
3:45–4:30 PM	Understanding Forest Plot & Heterogeneity	Forest Plot, Effect Size, I^2 , Chi-square Test	Dr. Amit Kumar
4:30–5:15 PM	Risk of Bias Assessment	Cochrane RoB 2 Tool for RCTs	Dr. Anupa Prasad

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PROGRAM SCHEDULE

Time	Session	Learning Objectives	Resource Person
DAY 2: 26TH JULY 2026			
9:00–9:15 AM	Recapitulation	Review of Day 1 and discussion	Dr. Arpita Rai
9:15–10:00 AM	Publication Bias	Funnel Plot, Egger's Test, Begg's Test Publication Bias,	Dr. Ankita Tandon
10:00–11:30 AM	Advancements in Meta-analysis	Subgroup Analysis, Sensitivity Analysis, Meta-regression	Dr. Kameshwar Prasad
11:30 AM–12:15 PM	Hands-on Practical Session I	Rayyan, Covidence hands on	Dr. Arpita Rai/Dr. Shreya Chatterjee
12:15–12:45 PM	Hands-on Practical Session II	Heterogeneity Assessment, Sensitivity Analysis	Dr. Ankita Tandon/ Dr. Shreya Chatterjee
12:45–1:00 PM	Hands-on Practical Session III, Feedback & Valedictory	Feed Back	Dr. Arpita Rai

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