



Advanced Research & Methodology

Biostatistics Training 3 Month Intensive Research Training Program

Master clinical research with top global faculty, learn advanced methodologies, conduct research, and get published in high-impact journals.



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MD RESEARCH

Why Choose Our Course?

Learn advanced research methodologies and biostatistics from top physician-scientists in the world.

Conduct systematic reviews, meta-analyses, and network meta-analyses.

Publish in high-impact, PubMed-indexed journals worldwide.

Gain a Clinical Research Training Certificate to enhance academic and professional credentials.

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Why learn from us?

We have a proven track record of success with many published articles in the world's premier journals.

Our students have published in prestigious journals such as:

- Journal of Complementary and Alternative Medicine.
- Journal of Integrative Medicine.
- BMC Complementary Medicine and Therapies.
- Complementary Therapies in Medicine.
- BMC Integrative Medicine.
- International Journal of Yoga.
- Frontiers in Medicine.

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Hybrid Learning Model for Maximum Impact

- 1-hour recorded lecture + 1-hour live one-on-one faculty interaction per session.
- Direct mentorship and personalized guidance for each student.

From Learning to Publication

- Participants don't just learn- they are guided through the process of understanding the fundamentals of research.

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Course Structure

FORMAT

- Online + Personalized Mentorship.

CERTIFICATION

- This 12-module course provides a step-by-step structured Approach to research Methodology, statistical Analysis, and scientific writing.

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Modules Include:

Module 1: Foundations of Research

- Understanding research methods, methodology, and study design.
- Formulating hypotheses and research questions.
- Differences between qualitative and quantitative research.

Module 2: Research Designs & Clinical Trials

- Detailed exploration of experimental vs. observational study designs.
- Understanding randomized controlled trials (RCTs), cohort studies, case-control studies, and cross-sectional studies.
- Ethical considerations in research.

Module 3: Exploring Data & Concept of Probability

- Understanding types of data (categorical, continuous, ordinal).
- Data collection, organization, and presentation techniques.
- Probability theory, central limit theorem, and standard distribution curve.



Module 4: Biostatistics Fundamentals & Descriptive Analysis

- Measures of central tendency (mean, median, mode).
- Descriptive vs. inferential statistics.
- Introduction to statistical software (SPSS, R, Python, Stata).

Module 5: Inferential Statistics & Advanced Analytics

- Hypothesis testing: p-values, confidence intervals.
- Survival analysis and Kaplan-Meier curves.
- Diagnostic statistics: Sensitivity, specificity, predictive values.

Module 6: Conducting a Systematic Review

- Step-by-step methodology for conducting a systematic review.
- Database searches (PubMed, Scopus, Cochrane) and screening techniques.
- PRISMA guidelines and risk-of-bias assessment.

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Module 7: Introduction to Meta-Analysis

- Understanding effect sizes and heterogeneity assessment.
- Fixed-effect vs. random-effects models.
- Introduction to meta-analysis software.

Module 8: Conducting a Meta-Analysis

- Data extraction and coding.
- Pooling results and subgroup analysis.
- Publication bias and funnel plots.

Module 9: Statistical Interpretation of Meta-Analysis

- How to interpret forest plots and heterogeneity.
- Understanding confidence intervals and risk ratios.
- Common errors in meta-analysis interpretation.

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Module 10: Network Meta-Analysis

- Introduction to indirect comparisons and mixed treatment comparisons.
- Application of network meta-analysis in clinical decision-making.

Module 11: Research Proposal Writing & Medical Writing

- Writing a compelling research proposal.
- Basics of grant writing and funding opportunities.

Module 12: Manuscript Preparation & Journal Submission

- Structuring a high-impact scientific manuscript.
- Journal selection, formatting, and submission process.
- Responding to reviewer comments effectively.

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COMPARATIVE EFFICACY OF BARORECEPTOR ACTIVATION THERAPY, CARDIAC RESYNCHRONIZATION THERAPY, AND CARDIAC CONTRACTILITY MODULATION IN HEART FAILURE: A NETWORK META-ANALYSIS

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DOES YOGA HAVE A ROLE IN CARDIOVASCULAR DISEASE PATIENTS: A NETWORK METANALYSIS COMPARING YOGA, RESISTANCE TRAINING AND AEROBIC EXERCISE ON HEART RATE VARIABILITY IN HEALTHY AND PATIENTS WITH CARDIOVASCULAR DISEASE

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RISK OF STROKE IN PULMONARY VEIN ISOLATION: A SYSTEMATIC REVIEW AND NETWORK METAANALYSIS OF RANDOMISED CONTROLLED TRIALS FOLLOWING PULSED FIELD, RADIOFREQUENCY AND CRYOBALLOON ABLATIONS

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YOGA RELATED INTERVENTION AS A MODALITY FOR CARDIAC REHABILITATION AMONG PATIENTS WITH PAST CORONARY ARTERY DISEASE (CAD): A SYSTEMIC REVIEW AND META-ANALYSIS COMPARING YOGA TO STANDARD EXERCISE PROTOCOL FOR SECONDARY PREVENTION OF CAD.

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Network Metanalysis Comparing Yoga, Resistance Training and Aerobic Exercise on Heart Rate Variability in Healthy and Patients with Cardiovascular Disease



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“Comparative Efficacy of Baroreflex Activation Therapy (BAT), Cardiac Contractility Modulation (CCM), and Cardiac Resynchronization Therapy (CRT) in HFrEF: A Systematic Review and Network Meta-analysis of Randomized Controlled Trials.”

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Risk of stroke after radiofrequency ablation, cryoablation and pulsed-field ablation for atrial fibrillation: A comparative systematic review and network meta-analysis of randomised controlled clinical trials

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MD RESEARCH

We understand that each student has different needs. Whether you're looking for a full learning experience or simply want your name on a publication, we've created flexible options to support your journey.

Course Fee

Duration

Classes

Live Classes

End of Course

End of the Research

Additional Paper (Optional)

Publication

\$2500

- ✓ 12 Weeks (weekend classes)
- ✓ 1 recorded video/week
- ✓ 1 live classes video/week
- ✓ Letter of Recommendation (LOR) & Research Certificate
- ✓ 1 Manuscript +1 Abstract
- ✓ \$500/paper
- ✓ it will take upto 6 months or more to Publish

\$1650

- ✓ 12 Weeks (weekend classes)
- ✓ 1 recorded video/week
- ✓ Not Available
- ✓ Not Available
- ✓ 1 Manuscript +1 Abstract
- ✓ \$1000/paper
- ✓ it will take upto 6 months or more to Publish

Name of the Course

Telerotation

Course Fee

\$600

Duration

4 Weeks

Classes Type

Intractive Live Classes

End of Course

Letter of Recommdation(LOR)

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FACULTY & MENTORS

This course is led by renowned researchers and experienced faculty members with a strong track record of high-impact publications

Dr. Indranill Basu Ray (Program director)

Dr. Dibbendhu Khanra

Dr. Manjunath NK

Dr. Bhushan Patwardhan

Dr. Kashinath G. Metri

Dr. Mrithyunjay Rathore

Dr. Sanjay S. Phadke

Dr. Keith C. Norris

Dr. Anindya Mukherjee

Dr. Dorairaj Prabhakaran

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Dr. Girish Baburao Kulkarni

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Dr. Savithri Chandana Veluri

Dr. Sarita Bajaj

Dr. Jayasree Pillarisetti

Dr. Pawan Ojha

Dr. Shripad Pujari

Dr. Harish R. Joshi



GLOBAL INTEGRATIVE MEDICINE CONFERENCE 2026

ORGANIZED BY THE AMERICAN ACADEMY FOR YOGA IN MEDICINE (AAYM)

May 1–3, 2026 

Memphis Tennessee, USA 

CALL FOR ABSTRACTS & POSTER PRESENTATIONS

Are you a student, researcher, or clinician?

This is your chance to present your research at an international platform and get published in top peer-reviewed journals!

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- Exclusive opportunity for MD Research students and young investigators
- Global networking with clinicians, researchers, and thought leaders
- Complimentary conference dinner

Submit Your Abstracts:

Abstract Submission Opens:
December 1, 2025

CONFERENCE OBJECTIVES

- Create a collaborative platform bringing together experts from India, the USA, and around the world to exchange knowledge in integrative healthcare.
- Release evidence-based clinical guidelines for the integration of Yoga, Ayurveda, and Naturopathy into modern medical practice.
- Present cutting-edge research and clinical evidence on the effectiveness of therapeutic interventions in managing chronic diseases such as diabetes, cardiovascular disorders, cancer, and stress-related conditions.
- Highlight Yoga's preventive and therapeutic role in promoting cardiovascular, endocrine, metabolic, and neurological health.
- Encourage interdisciplinary collaboration among clinicians, researchers, educators, and students to advance integrative medical science.
- Provide hands-on training and practical exposure for participants interested in clinical application and research in integrative medicine.

SUBMIT YOUR ABSTRACTS:



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<https://aaymonline.org/conference2026/>



**Secure your Residency
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