Advanced Research & Methodology

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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, Statastics).

Module 5: Inferential Statistics & Advanced Analytics

- Hypothesis testing:p-values,confidenceintervals.
- 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.

Module 7: Introduction to Meta-Analysis

- Understanding effectsizesand heterogeneityassessment.
- 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.

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.

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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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.

	$2500	$1650
Course Fee	$2500	$1650
Duration	12 Weeks (weekend classes)	12 Weeks (weekend classes)
Classes	1 recorded video/week	1 recorded video/week
Live Classes	1 live classes video/week	Not Available
End of Course	Letter of Recommendation (LOR) & Research Certificate	Not Available
End of the Research	1 Manuscript +1 Abstract	1 Manuscript +1 Abstract
Addtional Paper (Optional)	$500/paper	$1000/paper
Publication	it will take upto 6 months or more to Publish	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 Recommondation(LOR)

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