



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.

Fees:\$2500

Fees:\$1650



Contact us for more information

www.mdresearch.us

Admissions@aaymlne.org





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, 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 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.

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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

Authors

Abhinav Dahal
Student

Agazi Teweldeberhan
Student

Akhila N. Thota
Student

Anjali Ramineni
Student

Alekhyia Madisetty
Student

Babitha Asha
Student

Devi Jamalpuri
Student

Isaac Baiden
Student

Janhvi Patel
Student

Maria Meza
Student

Ravi Maharaj
Student

Rakesh Shrestha
Student

Rajesh Veeramachaneni
Student

Ugur Deniz Ayar
Student

Yanmei Qi
Student



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

Authors

Sakeena Ahmed
Student

Aida Vanderpuye
Student

Swetha Mora
Student

Neha Bahri
Student

Pragya Pandey
Student

Abdifatah Mohamud
Student

Kirandeep Dua
Student

Melody Vanessa Vega
Student

Amulya Kandlakunta
Student

Srikanth Gummadi
Student

Purvil Joshi
Student

Amadu Bangura
Student





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

Authors

Ajinkya Mohite
Student

Harsha Chenna
Student

Ijang Ngando
Student

Akhila N. Thota
Student

Prashasti Sharma
Student

Maria Meza
Student

May Khine
Student

Neha Haris
Student

Kalyanram Naidu Botsa
Student

Ridhi Patel
Student


Shalini Manivelan
Student

Xinyu Lu
Student

Sneha Kanduri Hanumantharayudu
Student

Viswabhaskar Susarla
Student

Yalemwork muluye Gethenh
Student



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.

Authors

Srishanmukha Kosireddy
Student

Mirjana Jovanovikj Vasileva
Student

Abhishek Thapa
Student

Anit Ghosal
Student

Asma Zahra
Student

Chika Chilaka
Student

Debasmita De
Student

Ijang Ngando
Student

Lokesh Bapanapalli
Student

Maria Meza
Student

Namitha Salahuddin
Student

Nandini kandimalla
Student

Ogba Ogbuagu
Student

Shreeya Thapa
Student

Sanjana Kasireddy
Student



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

Aida Vanderpuye

University of Iowa, College of Public Health, USA

Amadu Bangura

Loudoun Medical Group, Virginia USA.

Abdifatah Mohamud

Saratov State Medical University, Russia.

Neha Bahri

Tianjin Medical University, Tianjin, China

Pragya Pandey

Senior Resident Doctor, Department of Community Medicine, North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, India.

Purvil Joshi

Medical College Baroda, Gujarat, India

Sakeena Ahmed

Kamineni Academy of Medical Sciences and Research Centre, Hyderabad, India.

Srikanth Gummadi

Dr.NTR University of Health Sciences, Vijayawada, Andhra Pradesh, India

Swetha Mora

Kurnool Medical College, Kurnool, India,

“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.”

Akhila N. Thota

Alluri Sitarama Raju Academy of Medical Sciences, AP, India

Anjali Ramineni

Adult Services Clinician, Sound Behavioural Health Clinic Seattle, WA, USA

Devi Jamalpuri

Cardiologist, Oregon Heart Center Pc, Salem, Oregon, USA

Isaac Baiden

Department of Physiology, Wayne State University, Detroit, USA

Janhvi Patel

MBBS Student, Surat Municipal Institute of Medical Education and Research, India

Maria Meza

Faculty of Medicine Hipolito Unanue, Federico Villarreal University, Lima, Peru

Rajesh Veeramachaneni

Registrar, Anesthesia/Critical Care, Rand Memorial Hospital/GBHS/PHA, The Bahamas

Rakesh Shrestha

Medical Officer, Dali University, China.

Ugur Deniz Ayar

Research Trainee, Diabetes Research Institute, University of Miami, USA

Yanmei Qi

Research Associate I, Department of Surgery, Robert Wood Johnson Medical School, New Brunswick NJ 08901, USA

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

Akhila N. Thota

Alluri Sitarama Raju Academy of Medical Sciences, AP, India

Ajinkya Milind Mohite

Dr. Vasant Rao Pawar Medical College

Chenna Harsha

Kamineni Institute Of Medical Sciences, Hyderabad, India

Ijang Ngando

Columbus Central University School of Medicine.

Neha Haris

Medical Graduate, Government Medical College, Kannur, Kerala, India.

Prashasti Sharma

Department of Medicine, Sri Padmavathi Medical College for Women, Tirupathi, India.

Ridhi Patel

Resident, Kadlec Hospital, Washington, USA

Xinyu Lu

Fudan University Shanghai Medical College, No. 130 Dongan Road, Xuhui, Shanghai, 200032, China

Viswabhaskar Susarla

Eastern Connecticut Physician Association

Kalyanram Naidu Botsa

Sri Ramachandra Institute of Higher Education and Research, Chennai, India

May Thinn Khine

MBBS University of Medicine 1, Yangon, Myanmar

Melody Vanessa Vega Ordonez

Medical College of Peru

Sneha Kanduri Hanumantharayudu

Limited license physician, Partners Care, NY.

Yalemwork Muluye Gethen

VHC health, Arlington, VA, USA

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 Recommendation(LOR)

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position with the power of
Research!**

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