

Six Months Certification Course in

 RESEARCH TO
PUBLICATION





About Us

About BMJ Group

BMJ started out over 180 years ago as a medical journal, publishing our first research paper. Now, as a global brand with a worldwide audience, we help medical organisations and clinicians tackle today's most critical healthcare challenges. Today, our expertise extends to medical education, clinical decision support and quality improvement to enhance day to day decision-making and healthcare delivery. However, our core objective remains unchanged. We continue to support medical professionals and organisations in improving the delivery of healthcare. We do this by publishing new academic research, providing professional development solutions and creating clinical decision support tools.

About Amrita Hospitals

Amrita Hospitals, Faridabad is one of India's largest private multi-speciality hospitals, inaugurated in August 2022. It is part of the Amrita Hospitals network and is affiliated with Amrita Vishwa Vidyapeetham, combining patient care with medical education and research. It emphasizes accessible healthcare, combining advanced treatment with empathy and holistic healing. Amrita Hospital is positioned as a tertiary and quaternary care center, handling everything from routine treatments to complex surgeries and research-driven healthcare, and is considered a major healthcare hub in North India.

About APAR Health

APAR Health is focused on bridging the gap between theoretical knowledge and practical application in healthcare by designing industry-relevant training programs tailored to current clinical and research needs. The organization focuses on making skill transfer accessible and practical for all healthcare professionals, including physicians, nurses, pharmacists, and clinical research coordinators, by offering training delivered by national and international subject matter experts.

About UCSF

University of California, San Francisco (UCSF), one of the world's leading medical schools and research institutions to train healthcare workers, junior researchers and medical students in conducting and publishing clinical research.

UCSF is a collection of dedicated scientists, clinicians, students and staff who share a common drive to make the world a better place by advancing health and the human condition.

UCSF was the top public recipient of research grants from the US National Institutes of Health for the seventh consecutive year in 2017, and the second-highest recipient among all public and private institutions worldwide.

Course Contributors



Professor Deborah Grady

Associate Dean of Clinical and Translational Research at UCSF

Deborah Grady, MD, MPH is a physician, clinical trialist and leader in clinical research methodology and women's health. She is Professor of Medicine, Associate Dean for Clinical and Translational Research, Director of the UCSF Clinical and Translational Sciences Institute (CTSI) Online Education program, and Director of the UCSF Women's Health Clinical Research Center.

Dr Grady is an editor of *Designing Clinical Research*, a leading textbook in the US on clinical research methods. She directed the CTSI Training Program, which includes didactic and experiential training for professional students, residents, fellows and faculty at UCSF. Dr. Grady has successfully mentored over 40 postgraduate trainees, almost all of whom are highly successful clinical researchers with current academic faculty positions.

Dr Grady received the UCSF Chancellor's Award for the Advancement of Women, the UCSF Clinical Research Mentor of the Year and Lifetime Mentoring awards. Dr. Grady is an international expert on the risks and benefits of postmenopausal hormone therapy and the management of menopausal symptoms.



Dr Trish Groves

Associate editor, *The BMJ*, and Editorial consultant

Trish Groves (MBBS, MRCPsych) trained in medicine and psychiatry before going to *The BMJ* in 1989. She is now Associate editor, *The BMJ*, and Editorial consultant. Both *The BMJ* and *BMJ Open* publish research with open access and open peer review and have policies to facilitate data sharing.

Her other focus currently is to explore what practical support might be needed to improve capabilities for health research, particularly in emerging economies, through international outreach and initiatives such as *BMJ's* eLearning programme for health researchers, *Research to Publication*.

While at *The BMJ* Trish has been a part time honorary research fellow at the School for Public Policy, UCL; has contributed to European Science Foundation proposals for revising the EU Clinical Trials Directive and the EU programme for Responsible Research and Innovation; served on the council of the Committee on Publication Ethics and the steering groups of the EQUATOR Network on transparent health research, and the BOLDER (Better Outcomes through Learning from Data and Engaging in Research) Initiative. She has helped to develop research reporting statements including CONSORT 2010 for trials, SPIRIT 2013 for trial protocols, and PRISMA extensions for systematic reviews.

Trish has presented for TV and radio in the UK and for the BBC World Service, and she co-wrote the HarperCollins *Consumer's Guide to Mental Health* (1996).



Academic Director

Dr Sanjeev Singh

DCH, MBBS, MPhil, Ph.D

Dr Sanjeev Singh is a Medical Director at Amrita Institute of Medical Sciences, Faridabad, and Chief of Medical Services at Amrita, Kochi. He is a paediatrician by training, did his Masters in Hospital Management and PhD in Infectious Diseases. Prior to joining Amrita, he worked in WHO in a Disease Eradication Project. He attained a fellowship in Healthcare Worker & Patient Safety from the University of Virginia, a fellowship in Health Technology Assessment from the University of Adelaide and a fellowship in Healthcare Quality at the International Society for Quality (IsQua).

He is Improvement Advisor to the Institute of Healthcare Improvement (IHI), consultant to WHO on Regulatory, licensing, AMR and Infection Prevention. He is a Technical Advisor for the State of Kerala for AMR and IPC. He is in the National Task Force for AMR guidelines group. He Chaired Research Committee at National Accreditation Board for Hospitals (NABH), presently a member of Technical Committee at NABH and is a member of Technical Committee for Grading of hospital standards and Medical Value Travel at Quality Council of India; and is co-Chair at National Healthcare Committee at FICCI and CII Healthcare, North Zone.

He was awarded Infection Disease Champion by BMJ, Heroes of Infection Control by Association of Infection Prevention (APIC) in the US and Best Practices in Infection Prevention by GOI and Global Impact Leader by Business World. He is on the Governing Board of IIHMR and a member of the expert committee to work on an AIIMS-like institution in Jaipur. He has 130+ publications with an h-index of 31 and has 14 international and national research projects.



Academic Director

Dr Pooja Sharma

MBBS, MD (Obs. & Gynecology)

Dr Pooja Sharma is a distinguished clinician, researcher, and entrepreneur with extensive expertise in clinical research, bioethics, and patient advocacy. Dr Sharma's academic background includes an MD from the Institute of Medical Sciences (IMS), BHU, Varanasi. Dr Sharma's commitment to ethical research practices is evident through her leadership roles as Chairperson of Institutional Ethics Committees, ensuring adherence to the highest ethical standards in medical research.

As the Founder and CEO of APAR Health, Dr Sharma leads initiatives to enhance healthcare skilling and education across India. In addition to her role at APAR Health, she serves as a Research Advisor for the Indian Paediatric Hematology Oncology Group (INPHOG), contributing to advancements in paediatric healthcare and research strategies. She is also a Research Advisory Board Member at the Paediatric Cancer Research Institute (PCRI) under CanKids, reflecting her dedication to paediatric cancer research and patient advocacy.

Her professional journey encompasses significant roles, including Senior Scientist and Advisor at Medanta Institute of Education and Research in Gurugram, and Principal Consultant at Pristyn Research Innovation & Medical Excellence Unit. Through her visionary leadership and unwavering commitment, Dr Pooja Sharma continues to drive innovation and excellence in clinical research and healthcare education.



About course & content

About the Course

Research to Publication is a research methodology and publishing programme specifically designed for healthcare researchers, brought to you by BMJ in collaboration with University of California, San Francisco (UCSF), with an option to enrol for 2 days workshop at Amrita Hospitals, Faridabad.

This is the only research course to combine the expertise of a high impact publisher with Amrita Hospitals, the first university teaching hospital accredited by NABH, and APAR Health, an end-to-end Healthcare Research Accelerator aimed to bridge the gap between research and impact. The aim of this collaboration is to build a skilled, innovation-driven healthcare workforce capable of improving patient outcomes and advancing clinical research in India.

The programme, made up of 8 multimedia units and 53 modules, is focused entirely on healthcare research. BMJ's research editors and UCSF's academics, guide learners through the entire process from designing a study, to seeing it published in an international journal. Interactive self-study modules give learners the skills necessary to conduct investigations and overcome the challenges associated with getting published in international journals. This course is suitable for anyone conducting research on medicine, healthcare, public health, and epidemiology.

2 days workshop at Amrita Hospitals, Faridabad

Course Objectives

This curriculum is designed to help learners build expertise in research and scientific investigation. By the end of the programme, participants will have mastered key concepts and skills essential for conducting research and achieving publication in reputable international journals.

Eligibility Criteria

- Graduates in Health Sciences (including final-year MBBS students and interns)
- Postgraduate students with a minimum of 50% aggregate marks in undergraduate or postgraduate degrees
- Faculty members from Health Science institutions
- Researchers involved in studies related to medicine, healthcare, public health, and epidemiology

Course Fees

- INR 40000 Inclusive of taxes

Curriculum

Unit 1 How to develop and report good research questions

- Module 1 Developing a research question for your research project
- Module 2 Reporting the research question in your paper

Unit 2 Developing and writing protocols

- Module 1 Important elements of study protocols
- Module 2 Publishing study protocols
- Module 3 Writing and publishing clinical trial protocols
- Module 4 How to write a research protocol for a grant application
- Module 5 Good medical writing
- Module 6 Choosing and citing references

Unit 3 Choosing the best study design

- Module 1 Study design
- Module 2 Studies of medical tests
- Module 3 Enhancing causal inference
- Module 4 The methods: matching study designs to research questions
- Module 5 Subjects and variables
- Module 6 Sample size and power
- Module 7 Statistics
- Module 8 Questionnaires and qualitative research

Unit 4 How to do ethical research

- Module 1 Ethical considerations in research
- Module 2 History of research ethics
- Module 3 Institutional review board (IRB) and informed consent
- Module 4 Ethics aspects of study methods
- Module 5 Data and safety monitoring
- Module 6 Principles of research ethics
- Module 7 Ethics in big data research
- Module 8 Research in resource-poor environments

Unit 5 How to write a research paper

- Module 1 Reporting methods using reporting guidelines
- Module 2 The results: reporting all findings succinctly
- Module 3 Scientific transparency: the pitfalls of selective reporting
- Module 4 The discussion: using structure and balance
- Module 5 Optimising the abstract and title

Unit 6 The essentials of running a clinical trial

- Module 1 Course overview and trial design
- Module 2 Selection of participants
- Module 3 Recruitment
- Module 4 Choosing the interventions and controls
- Module 5 Randomisation
- Module 6 Blinding
- Module 7 Outcome measures
- Module 8 Assessing safety
- Module 9 Adherence and complete follow up
- Module 10 Ethical issues in clinical trials
- Module 11 Regulatory issues
- Module 12 How to write up industry-sponsored trials

Unit 7 Picking the right journal and getting published

- Module 1 Navigating journal and peer review processes
- Module 2 Compliance with journal and ICMJE requirements
- Module 3 Patients' and participants' consent for publication
- Module 4 Surviving peer review
- Module 5 What to do with rejections and appeals
- Module 6 Pre-submission inquiries and cover letters

Unit 8 Avoiding scientific misconduct

- Module 1 Scientific misconduct, authorship, and conflict of interest
- Module 2 Reporting conflicts of interest
- Module 3 Journal rules on authorship
- Module 4 How and why to avoid plagiarism
- Module 5 How journals uncover scientific fraud
- Module 6 How journals act on scientific misconduct

BMJ Group

UCSF
University of California
San Francisco



Certificate of Completion

This is to certify that

_____ has attended and completed the **two-day Workshop** associated with the

Six Months course in Research to Publication jointly conducted by BMJ,

Apar Health and Amrita Vishwaapeetham, from to at Amrita Hospitals, Faridabad

Kieran Walsh

Dr. Kieran Walsh
Clinical director
London

Dr Pooja Sharma
Apar

Dr Sanjeev Singh
Amrita

BMJ Group

UCSF
University of California
San Francisco

Certificate of Completion

This is to certify that

_____ has completed the **Six Months course in Research to Publication** conducted by BMJ
in collaboration with the University of California, San Francisco (UCSF) from to
and awarded the certificate on

Kieran Walsh

Dr. Kieran Walsh
Clinical director
London

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For any further information or queries, please write to us at education.india@bmj.com or call us at 0120 - 4345733, +91-9650052070 (09:00 AM – 05:30 PM, Monday to Friday)

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