



MEDICAL RESEARCH ESSENTIALS FOR HEALTHCARE PROFESSIONALS

This foundational course introduces healthcare professionals to the essential principles of medical research. It offers practical knowledge in research methodology, ethics, data collection and analysis, and academic communication. Learners will gain the confidence and skills to initiate their own research or collaborate more effectively in international research settings.

COURSE OBJECTIVES:

- ✓ Understand the different types and stages of medical research
- ✓ Develop researchable questions and perform literature reviews
- ✓ Design basic studies using appropriate methodologies
- ✓ Navigate ethical and regulatory requirements
- ✓ Analyse simple data and interpret results
- ✓ Read and write academic papers in English with greater confidence



TARGET AUDIENCE:

- Professionals planning to publish, present, or collaborate in international projects
- Early-career doctors and healthcare professionals
- Medical students preparing for research work
- English level: B1 or above (language support provided)

DELIVERY FORMAT:

- 🕒 1 - 2 hours per week / 6 weeks (flexible)
- 👤 Online Live / Face-to-Face / Blended
- 📎 Interactive Lectures and Clinics
- 👥 Small Group Workshops
- 🎯 Optional add-ons: 1-1 mentorship for research projects

TEACHING METHODS:

- ✓ Led by international educators with expertise in medical English, research methodology, and academic publishing.
- ✓ Real-world research examples and mini case studies
- ✓ Guided reading and writing tasks
- ✓ Vocabulary and language boosters
- ✓ Final project: research idea presentation or abstract

COURSE CONTENT*:

Ref	Module	Description
1	Introduction to Medical Research	<ul style="list-style-type: none"> • What is medical research? • Types (basic, clinical, translational, epidemiological) • Research cycle
2	Research Questions & Literature Review	<ul style="list-style-type: none"> • Identifying a research gap • PICO framework • How to conduct a literature review • Using databases (PubMed, CNKI, etc.)
3	Study Design & Methodology	<ul style="list-style-type: none"> • Quantitative vs qualitative • Common study designs (RCTs, cohort, case-control, cross-sectional) • Sampling & variables
4	Ethics & Research Governance	<ul style="list-style-type: none"> • Informed consent • IRB/ethics committee process • Research with human subjects • Data privacy
5	Data Collection & Basic Analysis	<ul style="list-style-type: none"> • Tools for data collection • Introduction to statistics • SPSS/Excel basics • Interpreting tables and graphs
6	Reading & Writing Research Papers	<ul style="list-style-type: none"> • IMRAD structure • Abstract writing • Common expressions in English • How to critique a paper • Research poster/presentation tips

*Course content can be customised and tailored to meet the specific needs, context, and objectives of the client.