



25-26 May 2023
Milan, AIMS Academy

Coordinated by: Ing. Giacomo Pugliese

Faculty:

Prof. Abe Fingerhut, MD

Prof. Vincenzo Bagnardi, Biostatistician



Clinicians and residents

Willing to improve their skills
in research design, methodology
and biostatistics

Main topics:

Principles of Clinical Research

- Identification of a good clinical question
- Research Study Design
- Understanding treatment effects

Practice of Clinical Research

- Planning and conducting a research study
- Medical Writing
- Clinical Data management

PRINCIPLES

Understanding Research Study Design

- The Clinical Case Series
- The Case-Control Study
- The Prospective Cohort Study
- The Randomized Trial
- Meta-Analysis

Understanding Treatment Effects

- Common ways to present treatment effects
- The confidence interval defined
- The P value defined
- Errors in hypothesis testing
- Clinical versus statistical significance

PRACTICE

Planning and conducting a Research Study

- The identification of a good research question: attitude, elements of a good idea (PICO), refining a research question
- How to conduct a comprehensive literature search
- Critical appraisal of proposed hypothesis
- Regulatory issues and Ethical Committee

Medical Writing

- Learn the rules of medical writing style, adapted to the type of study and conclusion
- Compose a surgical scientific manuscript, prepare it for publication
- Choose the right Journal for submission

PROGRAM

25/05

12:45 – 12:55 Welcome G. Pugliese

12:55 – 16:10 Understanding Research Study Design Prof. V. Bagnardi
16:10 coffee ☕ Q&A, exercises and sum up

16:30 – 19:10 Understanding Treatment Effects Prof. V. Bagnardi
Q&A, exercises and sum up

Module I
Principles

26/05

08:30 – 12:50 Medical Writing - *part I* 🇺🇸 Prof. A. Fingerhut
10:30 coffee ☕ Theory

12:50 – 13:30 Lunch break

13:30 – 16:00 Medical Writing - *part I* 🇺🇸 Prof. A. Fingerhut
16:00 coffee ☕ Practice

Module II
Practice &
Medical
Writing

FACULTY:



Abe Fingerhut

MD, FACS (hon), FRCS (hon), FRCPS (g), FRCS (Ed) (hon),
FASCRS (hon)

Co-Editor-in-Chief of Annals of Laparoscopic and
Endoscopic Surgery (ALES)



Vincenzo Bagnardi

PhD, Associate Professor of Medical Statistics

Director of the Master program in Data Management for
Clinical Research, Department of Statistics and
Quantitative Methods, University of Milan-Bicocca



VENUE: AIMS Academy

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COURSE LANGUAGE:

English and Italian

REGISTRATION FEES:

Module I: 146€ (120 € + 22% IVA)

Module II: 244 € (200 € + 22% IVA)

Module I+II: 305€ (250€ + 22% IVA)

Registration fee does not includes lunches