



Day 1

11:30 Introduction (Romain Seil, Zhanna Kovalchuk)

Session 1

11:50 Research - background knowledge - 30 minutes – Mustafa Karahan (confirmed)

- Study design / Level of evidence / Evidence-based medicine
- Literature search
- Interpret literature
- Bias

12:20 Practical demonstration/discussion: Litterature search and interpretation - 30 minutes

12:50 Lunch break

Session 2

13:50 Developing the idea – 30 minutes - Baris Kocaoglu

- Objectives –set the research question and clinical relevance
- Feasibility
- Subject eligibility – choosing inclusion/exclusion criteria
- Outcomes - measures, validity, gold standards, common scales, checklists in orthopaedics
- Study synopsis
- Common mistakes in study conception

14.10 Practical session (group session): create your study synopsis – 60 minutes

Session 3

15.10 Methodology – preparing/conduction the study– 50 minutes - Laura De Girolamo

- Good clinical practice
 - Responsibilities of the principal investigator
 - Protocol writing
 - Authorisations – ethical approval process
 - On-site documents
 - Delegation of tasks and communication
 - Patient recruitment and visits
 - Safety management and reported
 - Data: quality and confidentiality
-

16.00 Coffee break – 30 minutes

Session 4

16:30 Analyses and how to present data– 45 minutes - Caroline Mouton

- Sample size – statistical power
- Before starting analysis
- Descriptive statistics
- Analyses
- Verify the way you run analyses
- Statistical and clinical significance
- Graphs and tables

17:15 Practical session (group session): calculate your sample size – analyse results – 60 minutes

19: 30 Dinner



Day 2

08:00 Strategic thinking: An important tool for scientific research. – Dr Megha Agrawal
(Luxembourg Institute of Research in Orthopedics, Sports Medicine and Science, LIROMS)

Session 5

08:30 How to write a manuscript (original study)– 60 minutes

- Writing a paper - authorship and misconduct
 - Writing a paper – section by section
 - Why manuscripts are rejected
 - Manuscript submission
 - Revision of a submitted paper
-

Session 6

09:30 Oral presentation – 30 minutes - Giuseppe Filardo

- Write your presentation
- Captivate your audience
- Answer questions

10:00 Coffee break – 20 minutes

10:20 Practical session (group session): present your work 8 minutes + 7 discussion

11:50 Closing remarks