

III International Course on Study Design, Paper Writing and Reviewing

Chairman: Prof. GIUSEPPE MILANO

Co-Chairman: Prof. MARCO M. FONTANELLA

September 15-16, 2023

Faculty of Medicine and Surgery

Brescia, Italy



Under the Patronage of:

Under the Patronage of



ISAKOS
APPROVED
COURSE



Sistema Socio Sanitario



Regione
Lombardia

ASST Spedali Civili



**UNIVERSITÀ
DEGLI STUDI
DI BRESCIA**



**Siamo
Capitale**
Italiana
della Cultura
2023



**BERGAMO
BRESCIA**

Faculty

Marianna Adamo - University of Brescia, Brescia, Italy

Paolo Airò - ASST Spedali Civili, Brescia, Italy

Federico Alberici - University of Brescia, Brescia, Italy

Paolo Borghetti - ASST Spedali Civili, Brescia, Italy

Michela Buglione di Monale e Bastia - University of Brescia, Brescia, Italy

Francesca Caccuri - University of Brescia, Brescia, Italy

Stefano Calza - University of Brescia, Brescia, Italy

Ilaria Cavazzana - ASST Spedali Civili, Brescia, Italy

Iara Comincini - University of Brescia, Brescia, Italy

Riccardo Compagnoni - University of Milan, Milan, Italy

Adelaide Conti - University of Brescia, Brescia, Italy

Carlo Conti - University of Brescia, Brescia, Italy

Silvia Corbellini - University of Brescia, Brescia, Italy

Alessandro Cristofolini - University of Brescia, Brescia, Italy

Jacopo Di Domenico - University of Brescia, Brescia, Italy

Faculty

Marco Domenicucci - ASST Spedali Civili, Brescia, Italy

Federico Ferrari - University of Brescia, Brescia, Italy

Anna Fichera - University of Brescia, Brescia, Italy

Marco M. Fontanella - University of Brescia, Brescia, Italy

Micol Frassi - ASST Spedali Civili, Brescia, Italy

Alessandro Gambera - ASST Spedali Civili, Brescia, Italy

Alberto Grassi - University of Bologna, Rizzoli Institute, Bologna, Italy

Andrea Guerini - University of Brescia, Brescia, Italy

Michael Hantes - University of Larissa, Larissa, Greece

Mustafa Karahan - Acibadem University, Istanbul, Turkey

Jon Karlsson - Göteborg University, Göteborg, Sweden

Matteo Lancini - University of Brescia, Brescia, Italy

Nicola F. Lopomo - University of Brescia, Brescia, Italy

Stefano Magrini - University of Brescia, Brescia, Italy

Michele Malagola - University of Brescia, Brescia, Italy

Faculty

Stefano Massardi - University of Brescia, Brescia, Italy

Federica Mescia - University of Brescia, Brescia, Italy

Serena Messali - University of Brescia, Brescia, Italy

Marco Metra - University of Brescia, Brescia, Italy

Massimiliano Micheli - University of Brescia, Brescia, Italy

Giuseppe Milano - University of Brescia, Brescia, Italy

Enrico Morello - University of Brescia, Brescia, Italy

Cecilia Nalli - ASST Spedali Civili, Brescia, Italy

Franco Odicino - University of Brescia, Brescia, Italy

Rossana Orabona - ASST Spedali Civili, Brescia, Italy

Roberto Padua - Unicamillus International University, Rome, Italy

Giuseppe Paganini - University of Brescia, Brescia, Italy

Marco Passiatore - ASST Spedali Civili, Brescia, Italy

Sara Pedretti - ASST Spedali Civili, Brescia, Italy

Giorgio Piccinelli - University of Brescia, Brescia, Italy

Faculty

Nicola Polverelli - University of Brescia, Brescia, Italy

Vittorio Rampinelli - University of Brescia, Brescia, Italy

Francesca Regola - ASST Spedali Civili, Brescia, Italy

Stefano Renzetti - University of Brescia, Brescia, Italy

Aldo M. Roccaro - ASST Spedali Civili, Brescia, Italy

Emilio Romanini - Polo Sanitario San Feliciano, Rome, Italy

Mariateresa Rossi - University of Brescia, Brescia, Italy

Sara Roversi - University of Brescia, Brescia, Italy

Maristella F. Saccomanno - University of Brescia, Brescia, Italy

Mattia Savardi - University of Brescia, Brescia, Italy

Sandra Sigala - University of Brescia, Brescia, Italy

Alberto Signoroni - University of Brescia, Brescia, Italy

Alessandra Sordi - University of Brescia, Brescia, Italy

Maria S. Spinelli - Istituto Ortopedico G. Pini, Milan, Italy

Gabriele Testa - University of Brescia, Brescia, Italy

Faculty

Davide Tomasini - University of Brescia, Brescia, Italy

Paola Toniati - ASST Spedali Civili, Brescia, Italy

Elena Tratta - ASST Spedali Civili, Brescia, Italy

Giorgio Treglia - Universita' Svizzera Italiana, Lugano, Switzerland

Luca Triggiani - University of Brescia, Brescia, Italy

Martina Uzzo - Bicocca University, Milan, Italy

Adriana Valcamonico - ASST Spedali Civili, Brescia, Italy

Marina Venturini - University of Brescia, Brescia, Italy

William Vermi - University of Brescia, Brescia, Italy

Marika Vezzoli - University of Brescia, Brescia, Italy

Stefano Zaffagnini - University of Bologna, Rizzoli Institute, Bologna, Italy

Guido Zarattini - University of Brescia, Brescia, Italy

Friday, September 15

07:30 Registration

SESSION 1 - IDEA FORMATION FOR A STUDY

Chair: Mustafa Karahan

08:00 Where new ideas come from - Mustafa Karahan

08:10 All new ideas are made of old ideas: Literature search and update - Michael Hantes

08:20 The research framework: formulating a PICO(T) question - Riccardo Compagnoni

08:30 Ethics in clinical research - Elena Tratta

08:40 Translational research - Aldo M. Roccaro

08:50 Obstacles to turning an idea to a paper - Jon Karlsson

09:00 Discussion

09:30 Coffee break

Friday, September 15

SESSION 2 - STUDY DESIGN AND LEVEL OF EVIDENCE

Chair: Michael Hantes

- 10:00 Level 1 - Experimental designs - Roberto Padua
- 10:10 Level 2 - Quasi-experimental designs - Mustafa Karahan
- 10:20 Level 3 - Observational: Analytic designs - Giuseppe Milano
- 10:30 Level 4 - Observational: Descriptive studies - Emilio Romanini
- 10:40 Level 5 - Expert opinion and bench research - Michael Hantes
- 10:50 The pyramid of evidence: Does level matter? - Marco Metra

- 11:00 Discussion

Friday, September 15

SESSION 3 - BRINGING THE PROJECT INTO LIFE

Chair: Emilio Romanini

11:30 Study population: Sampling and selection criteria - Riccardo Compagnoni

11:40 Choosing an outcome measure: Precision and accuracy - Roberto Padua

11:50 Uncertainty of measurements - Stefano Massardi

12:00 Expression of uncertainty in measurement results - Massimiliano Micheli

12:10 PROMs: Validity and reliability - Emilio Romanini

12:20 Trans-cultural adaptation: the IQOLA Project approach - Maristella F. Saccomanno

12:30 Discussion

13:00 Welcome and Introduction

Giuseppe Milano, Marco Fontanella

13:20 Lunch

Friday, September 15

SESSION 4 - DATA MANAGEMENT

Chair: Stefano Calza

- 14:00 The importance of data collection - Matteo Lancini
- 14:10 Managing and synchronizing different data sources - Matteo Lancini
- 14:20 Best practices for data collection and storage - Federica Mescia
- 14:30 Informed consent and privacy - Adelaide Conti
- 14:40 Data property - Adelaide Conti
- 14:50 Introduction to REDCap - Stefano Calza

- 15:00 Discussion

Friday, September 15

SESSION 5 - DATA INTERPRETATION

Chair: Giuseppe Milano

- 15:30 Descriptive statistics - Stefano Renzetti
- 15:40 Inferential statistics: Estimation - Stefano Renzetti
- 15:50 Inferential statistics: Hypothesis testing - Stefano Renzetti
- 16:00 Power analysis and sample size calculation - Stefano Renzetti
- 16:10 Introduction to statistical softwares - Stefano Renzetti
- 16:20 Statistical vs clinical significance - Giuseppe Milano

- 16:30 Discussion

Friday, September 15

CONCURRENT SESSIONS (SESSION 6 - H. 17.30-19.00)

SESSION 6 - COMMON OUTCOME MEASURES - CARDIOLOGY

Chair: Marco Metra

17:30 18:00 Pharmacological treatments - Marco Metra

18:00 18:30 Devices - Marianna Adamo

18:30 19:00 Discussion

SESSION 6 - COMMON OUTCOME MEASURES - DERMATOLOGY

Chair: Marina Venturini

17:30 18:00 Common outcome measures in dermatology - Marina Venturini, Mariateresa Rossi

18:30 19:00 Discussion

Friday, September 15

SESSION 6 - COMMON OUTCOME MEASURES - HEMATOLOGY

Chair: Michele Malagola

17:30 18:30 Common outcome measures in hematology and stem cell transplantation
Enrico Morello, Nicola Polverelli

18:30 19:00 Discussion

SESSION 6 - COMMON OUTCOME MEASURES - MICROBIOLOGY

Chair: Francesca Caccuri

17:30 17:45 Sepsis - Silvia Corbellini

17.45 18:00 Respiratory infections - Giorgio Piccinelli

18.00 18:15 Gastrointestinal infections - Sara Roversi

18.15 18:30 Mycobacteria - Giuseppe Paganini

18.30 18:45 Surveillance - Serena Messali

18:45 19:00 Discussion

Friday, September 15

SESSION 6 - COMMON OUTCOME MEASURES - NEPHROLOGY

Chair: Federica Mescia, Federico Alberici

17:30 18:30 From CKD to kidney transplant through dialysis - Federica Mescia, Martina Uzzo

18:30 19:00 Discussion

SESSION 6 - COMMON OUTCOME MEASURES - OBSTETRICS AND GYNECOLOGY

Chair: Franco Odicino

17:30 17:45 Obstetrics: Labour and Delivery - Rossana Orabona

17:45 18:00 Obstetrics: Feto-maternal medicine - Adriana Valcamonico

18:00 18:15 Obstetrics: Prenatal diagnosis - Anna Fichera

18:15 18:30 Gynecology: Oncology - Federico Ferrari

18:30 18:45 Gynecology: Endocrinology and PMA - Alessandro Gambera

18:45 19:00 Discussion

Friday, September 15

SESSION 6 - COMMON OUTCOME MEASURES - ORTHOPAEDICS

Chair: Maristella F. Saccomanno

- 17:30 17:40 Common outcome measures in orthopedics: Shoulder - Maristella F. Saccomanno
- 17:40 17:50 Common outcome measures in orthopedics: Hip and Knee - Riccardo Compagnoni
- 17:50 18:00 Common outcome measures in orthopedics: Spine - Guido Zarattini
- 18:00 18:10 Common outcome measures in orthopedics: Hand - Marco Passiatore
- 18:10 18:20 Common outcome measures in orthopedics: Oncology - Maria Silvia Spinelli
- 18:20 18:30 Common outcome measures in traumatology - Marco Domenicucci

- 18:30 19:00 Discussion

Friday, September 15

SESSION 6 - COMMON OUTCOME MEASURES - OTORHINOLARYNGOLOGY

Chair: Vittorio Rampinelli

17:30 17:40 Audiology / Otology / Vestibology - Gabriele Testa

17:40 17:50 Rhinology - Carlo Conti

17:50 18:00 Laryngology - Jacopo Di Domenico

18:00 18:10 Thyroid and major salivary gland surgery - Alessandro Cristofolini

18:10 18:20 Reconstructive surgery - Iara Comincini

18:20 18:30 Oncology - Alessandra Sordi

18:30 19:00 Discussion

Friday, September 15

SESSION 6 - COMMON OUTCOME MEASURES - RADIATION ONCOLOGY

Chair: Stefano Magrini

17:30 17:40 Prostate cancer - Luca Triggiani

17:40 17:50 Primary brain tumors - Michela Buglione di Monale e Bastia

17:50 18:00 Breast cancer - Sara Pedretti

18:00 18:10 Lymphomas - Andrea Guerini

18:10 18:20 Lung cancer - Paolo Borghetti

18:20 18:30 ORL tumors (nasopharynx) - Davide Tomasini

18:30 19:00 Discussion

Friday, September 15

SESSION 6 - COMMON OUTCOME MEASURES - RHEUMATOLOGY

Chair: Paolo Airò

17:30 17:40 Rheumatoid arthritis - Francesca Regola

17:40 17:50 Psoriatic arthritis - Micol Frassi

17:50 18:00 Systemic lupus erythematosus - Cecilia Nalli

18:00 18:10 Vasculitis - Paola Toniati

18:10 18:20 Inflammatory idiopathic myopathies - Ilaria Cavazzana

18:20 18:30 Systemic sclerosis - Paolo Airò

18:30 19:00 Discussion

Saturday, September 16

SESSION 7 - ARTIFICIAL INTELLIGENCE: THE NEW FRONTIER OF DATA INTERPRETATION

Chair: Alberto Signoroni

- 08:00 The use of AI in clinical research - Alberto Signoroni
- 08:15 Inside medical data through the lens of machine learning - Marika Vezzoli
- 08:30 Paper writing with AI - Mattia Savardi
- 08:45 Discussion

SESSION 8 - TYPE OF STUDIES AND CHECKLISTS

Chair: Marco Metra

- 09:00 Systematic reviews and meta-analyses - Giorgio Treglia
- 09:10 Outcome studies - Alberto Grassi
- 09:20 Diagnostic accuracy studies and reliability studies - Maristella F. Saccomanno
- 09:30 Pre-clinical studies: biomechanics - Nicola F. Lopomo
- 09:40 Pre-clinical studies: in vitro - Sandra Sigala

- 09:50 Discussion

- 10:20 Coffee break

Saturday, September 16

SESSION 9 - ANATOMY OF A PAPER

Chair: Stefano Zaffagnini

- 10:40 Introduction - William Vermi
- 10:50 Methods - Stefano Zaffagnini
- 11:00 Results - Giuseppe Milano
- 11:10 Discussion and conclusions - Michael Hantes
- 11:20 Title and abstract - Federica Mescia
- 11:30 References, tables and figures - Alberto Grassi

- 11:40 Discussion

Saturday, September 16

SESSION 10 - HOW TO MAKE A SUCCESSFUL SUBMISSION:THE EDITORS' PERSPECTIVE

Chair: Jon Karlsson

- 12:00 Getting your research published: what the editor wants! - Jon Karlsson
- 12:10 Ethics in publishing: authorship, plagiarism, salami slicing and COI - Stefano Zaffagnini
- 12:20 Peer reviewing: Analyzing the manuscript and writing the review - Marco Metra
- 12:30 Corresponding with editors and reviewers - Jon Karlsson
- 12:40 Open access publishing and preprints - Giuseppe Milano
- 12:50 In the world of fast communication: videos, infographics, social media - Mustafa Karahan

- 13:00 Closure

General Information

- VENUE
Aula Magna
Università degli Studi di Brescia
Viale Europa,11 Brescia

- REGISTRATION
 - Residents: free
 - Physicians: € 150

- ORGANISING SECRETARIAT



Keep International S.r.l.
Via Giuseppe Vigoni,11 - 20122 Milano
Tel +39 02 54122513
info@keepinternational.net
www.keepinternational.net





KEEP
INTERNATIONAL Srl