

EURO SPINE **TASK FORCE RESEARCH**



**HOW TO MAKE YOUR RESEARCH MORE RELEVANT,
FEASIBLE AND PUBLISHABLE**

PRELIMINARY PROGRAMME

QUICK FACTS

WHEN: 18-22 MARCH 2022

WHERE: Ljubljana, Slovenia

MAXIMUM ATTENDEES: 30 participants, priority will be given to EUROSPINE members

REGISTRATION FEE: EUR 400 for residents/students, EUR 600 for EUROSPINE Members, EUR 800 for Non-Members

CME CREDITS: CME accreditation for this course has been requested to the European Accreditation Council for Continuing Medical Education (EACCME®). Participants must attend the whole duration of the course and complete the post-event survey in order to receive their CME Credits.

LANGUAGE: English

CORE FACULTY

L. Rachid Salmi, MD PhD
(*Course Director*)

Marco Campello, PT PhD

Christine Cedraschi, PhD

Pierre Côté, DC PhD

GUEST FACULTY

Everard Munting, MD PhD

Margareta Nordin, PT PhD

LOCAL HOST

Janez Mohar, MD PhD

CLINICAL EXPERTS

Miha Vodičar, PhD

David Žižek, MD PhD

IMPORTANT NOTE

Attendance throughout the whole course is mandatory. The course evaluation is also mandatory in order to obtain the CME certificate.

PURPOSE

The course is open to all professionals interested in gaining a basic understanding of clinical research. This course will provide an overview of the methodology used to conduct clinical research. The purpose of the course is to provide clinicians with the fundamental concepts and tools to design clinical studies.

STRUCTURE OF THE COURSE

The course is divided in 5 modules which will cover the following topics:

- 1) Conceptual overview of clinical research
- 2) Randomised controlled trials and other study designs
- 3) Study implementation and analysis
- 4) Applications of research
- 5) Communication of research

Each module will include combinations of lectures and workshops, where clinicians will build their skills to participate in clinical studies or develop their own clinical study protocol.

COURSE DIRECTOR:

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COURSE OBJECTIVES

At the end of the course, attendees will be able to:

1. Develop a research question and formulate a hypothesis
 - What is the problem to be solved?
 - How do I select a conceptual model?
 - How do I develop a research hypothesis?
 - What is the best study design to answer my question?

2. Apply basic methodological steps involved in clinical research
 - How do I select my study sample?
 - What outcome measures do I use?
 - How long do I follow my population?
 - When and how often do I measure these variables?
 - How do I collect the data? The need to select valid and reliable methods of data collection.
 - What potential biases may compromise the validity of my study? How do I prevent these biases?

3. Develop a study protocol
 - Is my study feasible?
 - How do I make it feasible?
 - What are the clinical issues I have to deal with?
 - With whom do I have to collaborate?
 - What are the elements of a statistical analysis?
 - How many participants do I need in my study?

4. Discuss the basic principles of qualitative research
 - When do I use it?
 - What is the added value to clinical research?

5. Contribute clinical experience to evidence-based decision making in spinal care
 - Why it is important to standardize data collection in clinical practice?
 - What are the roles of registries?

6. Understand the process of research publishing

SCIENTIFIC PROGRAMME DAY 1

Time	Friday 18 March 2022	
Course Introduction		
<i>R. Salmi, J. Mohar, M. Campello, C. Cedraschi</i>		
<i>Clinical Expert : TBC</i>		
12:00-13:00	Registration and buffet lunch	
13:00-13:15	Welcome address	R. Salmi/J. Mohar
13:15-14:15	Why do we need research? What is a research protocol?	R. Salmi
14:15-14:45	How to choose a model?	C. Cedraschi
14:45-15:15	How to develop a research question and hypothesis?	M. Campello
15:15-15:30	Coffee break	
15:30-17:00	Workshop: formulate a research question	All
17:00-17:30	Feedback on workshop	All
17:30-18:30	Welcome cocktail	All faculty and participants

NOTES:

SCIENTIFIC PROGRAMME DAY 2

Time	Saturday 19 March 2022	
Methodological concepts and randomised controlled trial		
<i>P. Côté, M. Campello, R. Salmi</i>		
<i>Clinical Expert : TBC</i>		
8:30-9:30	General methodological concepts and choosing the appropriate design	P. Côté
9:30-10:15	Outcome domains	M. Campello
10:15-10:30	Coffee break	
10:30-11:30	Basic statistical concepts	R. Salmi
11:30-12:30	Workshop: choose your study design	All
12:30-13:30	Lunch	
13:30-14:00	Feedback on workshop	All
14:00-15:00	Designing a randomised controlled trial	P. Côté
15:00-15:15	Coffee break	
15:15-16:30	Workshop: design your study	All
16:30-17:00	Feedback on workshop	All

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SCIENTIFIC PROGRAMME DAY 3

Time	Sunday 20 March 2022	
Population selection, study conduct, cohorts and qualitative studies		
<i>P. Côté, M. Campello, C. Cedraschi, R. Salmi</i>		
<i>Clinical Expert : TBC</i>		
8:30-9:15	Planning the population and data collection	R. Salmi
9:15-10:00	Workshop: start planning you study	All
10:00-10:15	Coffee break	
10:15-10:45	Feedback on workshop	All
10:45-11:45	Designing a cohort study	P. Côté
11:45-12:30	Workshop: continue planning you study	All
12:30-13:30	Lunch	
13:30-14:00	Feedback on workshop	All
14:00-15:00	Basic principles of qualitative studies	C. Cedraschi
15:00-15:15	Coffee break	
15:15-16:30	Workshop: focus group	C. Cedraschi /M. Campello/R. Salmi
16:30-17:00	Feedback on workshop	All

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SCIENTIFIC PROGRAMME DAY 4

Time	Monday 21 March 2022	
Data analysis, sample size, publishing research and the role of clinical experience		
<i>P. Côté, M. Campello, C. Cedraschi, J. Mohar, E. Munting, M. Nordin, R. Salmi</i>		
<i>Clinical Expert : TBC</i>		
8:30-9:15	Planning the analysis	R. Salmi
9:15-10:00	Workshop: continue planning you study	All
10:00-10:15	Coffee break	
10:15-10:45	Planning the sample size	R. Salmi
10:45 -11:30	Workshop: planning your sample size	All
11:30-12:00	Publishing your research	M. Nordin
12:00-12:30	Spine Tango	E. Munting
12:30-13:30	Lunch	
13:30-14:00	Role of clinical experience	M. Campello /J. Mohar
14:00-15:00	Workshop: continue planning you study	All
15:00-15:15	Coffee break	
15:15-17:00	Workshop: finalising slides for next day's presentation	All participants
19:30	Course dinner	All faculty and participants

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SCIENTIFIC PROGRAMME DAY 5

Time	Tuesday 22 March 2022	
Course Conclusion and final evaluation		
<i>P. Côté, M. Campello, C. Cedraschi, J. Mohar, E. Munting, M. Nordin, R. Salmi</i>		
<i>Clinical Expert: TBC</i>		
8:30-9:00	Why research and EUROSPINE are rewarding and fun	M. Nordin
9:00-10:00	Group presentations (1)	All
10:00-10:15	Coffee break	
10:15-11:15	Group presentations (2)	All
11:15-11:45	Mandatory course evaluation	All
11:45-12:00	Acknowledgments and adjourn	R. Salmi/J. Mohar
12:00-13:00	Lunch	

NOTES:

CONTACTS

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SCIENTIFIC CONTENT

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Chair, EUROSPINE Research Council

Course Director, EUROSPINE Task Force Research