4th FORTE Summer School

https://www.instagram.com/forteorthopaedics/



Programme





1.1. SUMMER SCHOOL FACULTY

Forte is grateful for the Scientific Advisory Support of the European Federation of National Associations of Orthopaedics and Traumatology (**EFORT**), with special thanks to Luigi Zagra, Vice Chairman of the Educational Committee of **EFORT** (European Federation of National Associations of Orthopaedics and Traumatology) responsible for Orthopaedics, Member of the Ethic Committee of **EFORT**, and Co-opted Member of the Executive Committee of **EFORT**.



SUMMER SCHOOL FACULTY

Spine Faculty Scientific support: EUROSPINE

- Mirza Biscevic (BIH)
- Serdar Kahraman (TR)
- Alessio Lovi (IT)
- Alberto Zerbi (IT)

Basic Science Faculty Scientific support: EORS

- Enrique Gomez Barrena (ES)
- Laura De Girolamo (IT)
- Marko Ostojic (BIH)

Hip Faculty Scientific support: EHS

- Guido Grappiolo (IT)
- Klaus-Peter Günther (DE)
- George Macheras (GR)
- Stamatios Papadakis (GR)
- Filippo Randelli (IT)
- Luigi Zagra (IT)











Knee Faculty Scientific support: SIGASCOTT and ESSKA

- Francesco Benazzo (IT)
- Feng Hua (CN)
- Elizaveta Kon (IT)
- Maurilio Marcacci (IT)
- Philippe Neyret (FR)
- Pietro Randelli (IT)

Foot and Ankle Faculty Scientific support: EFAS

- João Vide (PT)
- Ashique Ali (UK)
- Nick van Dijk (NL)

Shoulder & Elbow Faculty Scientific support: SECEC

- Antonio Cartucho (PT)
- Alessandro Castagna (IT)
- Luc Favard (FR)

Wrist & Hand Faculty Scientific support: FESSH

- Alex Lluch (ES)
- Pierluigi Tos (IT)

Paediatric Faculty Scientific support: EPOS

- Antonio Andreacchio (IT)
- Federico Canavese (FR)
- David Farrington (ES)
- Manuel Cassiano Neves (PT)
- Vito Pavone (IT)

Tumours Faculty Scientific support: EMSOS

- Pietro Ruggieri (IT)
- Eduardo Ortiz Cruz (ES)

















1.2. ORGANIZATION COMMITTEE

Conference Chairman

Tommaso Bonanzinga (President)

FORTE Committee

Tommaso Bonanzinga (President)
Daniel Ryan (President-Elect)
Joäo Vide (Immediate Past President)
Jasmin Diallo (Secretary General)
Szymon Czech (Treasurer)
André Couto (General Assembly President)

Basic Science Programme Chair

Simone Perelli

Shoulder & Elbow Programme Chair

Filippo Familiari

Paediatric Programme Chair

Giovanni Gallone

Knee Programme Chair

Davide Cucchi

Spine Programme Chair

Enrico Gallazzi

Foot & Ankle Programme Chair

Matteo Innocenti

Hip Programme Chair

Michele Buttironi

Tumours Programme Chair

Pietro Pellegrino

Wrist & Hand Programme Chair

Letizia Marenghi



2. GENERAL OVERVIEW

Mor	nday	Tues	day	Wedn	esday	Thur	sday	Friday	
CRC Spine	EPC Spine	CRC Hip	EPC Hip	CRC Foot & Ankle	EPC Foot & Ankle	CRC Wrist & Hand	EPC Wrist & Hand	CRC Paedia- trics	EPC Paedia- trics
				COFFE	E BREAK				
CRC Spine	EPC Spine	CRC Hip	EPC Hip	CRC Shoulder & Elbow	EPC Shoulder & Elbow	CRC Paedia- trics	EPC Paedia- trics	CRC Tumours	EPC Tumours
			LUI	NCH				FINAL	TOAST
CRC Spine	EPC Spine	CRC Knee	EPC Knee	CRC Shoulder & Elbow	EPC Shoulder & Elbow	CRC Paedia- trics	EPC Paedia- trics		
	COFFEE BREAK								
CRC	EPC								

EVENING ACTIVITIES / STUDY TIME

EPC - Exam Preparation Course (Case Based Discussion)

CRC - Comprehensive Review Course (Comprehensive Lecture)



3. DETAILED PROGRAMME

Day 1 | July 8th | Morning | Basic Science

9:00-9:45

Welcome Speech - Tommasso Bonanzinga (IT)
Efort President's Presentation - Philippe Neyret (FR)
ROOM 1

COMPREHENSIVE REVIEW COURSE ROOM 1 9:45-11:05 Spine I	EXAM PREPARATION COURSE ROOM 2 9:45-11:05 Spine I	
Imaging in Pediatric Deformities (Case 09:45 Based Discussion) Alberto Zerbi (IT)	Careful Examination of the Spine 09:45 (Practical Skills) Serdar Kahraman (TR)	
Adolescent Idiopatic Scoliosis (Didactic 10:05 Lecture) Alessio Lovi (IT)	Radicular pain (Didactic Lecture) 10:05 Serdar Kahraman (TR)	
Spondylolisthesis and Osteochondrosis 10:25 of the Spine (Case Based Discussion) Alessio Lovi (IT)	Thoracolumbar Trauma (Case Based 10:25 Discussion) Mirza Biscevic (BIH)	
Acute cord injury and chronic compression; epidemiology and avoiding complications (Didactic Lecture) Mirza Biscevic (BIH)	Unstable cervical spine injury with 10:45 neurology (Case Based Discussion) Serdar Kahraman (TR)	

COFFEE BREAK (11:05-11:20)

COTTLE BREAK (11.05-11.20)					
11:20-13:20 Spine II		11:20-13:20 Spine II			
Operative complications (Case Based Discussion) Alessio Lovi (IT)	11:40	Neoplastic and Infectious cord compression (Case based Discussion) Mirza Biscevic (BIH)	11:40		
		Cervical Myelopathy (Didactic Lecture) Serdar Kahraman (TR)	12:00		
Careful Examination of the Spine (Practical Skills) Serdar Kahraman (TR)	12:20	Imaging in Pediatric Deformities (Case Based Discussion) Alberto Zerbi (IT)	12:20		
Radicular pain (Didactic Lecture) Serdar Kahraman (TR)	12:40	Adolescent Idiopatic Scoliosis (Didactic Lecture) Alessio Lovi (IT)	12:40		
Thoracolumbar Trauma (Case Based Discussion) Mirza Biscevic (BIH)	13:00	Spondylolisthesis and Osteochondrosis of the Spine (Case Based Discussion) Alessio Lovi (IT)	13:00		

LUNCH AND EXHIBITION (13:20-14:20)



17:15

17:30

17:45

18:00

Day 1 | July 8th | Afternoon | Spine and Basic Science

COMPREHENSIVE REVIEW COURSE RO	OM 1	EXAM PREPARATION COURSE ROC)M 2
14:20-16:00 Spine III		14:20-16:00 Spine III	
Unstable cervical spine injury with neurology (Case Based Discussion) Serdar Kahraman (TR)	14:20	Acute cord injury and chronic compression; epidemiology and avoiding complications (Didactic Lecture) Mirza Biscevic (BIH)	14:20
Differential Diagnosis of Neoplastic, Infectious and Degenerative Spine Disorders (Case Based Discussion) Alberto Zerbi (IT)	14:40	Spinal deformity in adults (Case based discussion) Alessio Lovi (IT)	14:40
Neoplastic and Infectious cord compression (Case based Discussion) Mirza Biscevic (BIH) Cervical Myelopathy (Didactic Lecture) Serdar Kahraman (TR)	15:00 15:20	Operative complications (Case Based Discussion) Alessio Lovi (IT)	15:00
DISCUSSION	15:40	DISCUSSION	15:20
COFFE	E BREA	K (16:00-16:15)	
16:15-18:20	- Basic	Science - ROOM 1	
Imaging and Special Studies Enrique Gomez Barrena (ES)			16:15
Orthopaedic Infections and Microbiolog Enrique Gomez Barrena (ES))Y		16:30
Basics of Nerve and Muscle Marko Ostojic (BIH)			16:45
Basics of Soft Tissue, Ligament & Tendon Laura De Girolamo (IT)			17:00

EVENING ACTIVITIES / STUDY TIME

Articular Tissue and Osteoarthritis

Trauma II (Advanced Principles)

Laura De Girolamo (IT) Trauma I (Basic Principles)

Marko Ostojic (BIH)

Marko Ostojic (BIH)

DISCUSSION



Day 2 | July 9th | Morning | Hip and Knee

COMPREHENSIVE REVIEW COURSE ROO	COMPREHENSIVE REVIEW COURSE ROOM 1		
9:15-10:30 Hip I		9:15-10:30 Hip I	
Pelvis/Hip Anatomy & Biomechanics	09:15	Hip Joint Preserving Surgery	09:15
George Macheras (GR)		Filippo Randelli (IT)	
Pelvis/Hip Physical Exam & Imaging	09:30	Primary THA	09:30
George Macheras (GR)		Guido Grappiolo (IT)	
Pelvic and Acetabular Fractures	09:45	Revision THA	09:45
Luigi Zagra (IT)		Klaus-Peter Günther (DE)	
Hip Dislocations and Head Fractures	10:00	Hip and THA Infection	10:00
Stamatios Papadakis (GR)		Klaus-Peter Günther (DE)	
Proximal Femoral Fractures	10:15	THA Periprothesic Fractures &	10:15
Stamatios Papadakis (GR)		Dislocations	
		Luigi Zagra (IT)	

COFFEE BREAK (10:30-10:50)

10:50-12:10 Hip II		10:50-12:10 Hip II	
Femoral Shaft & Distal Femoral	10:50	Pelvic and Acetabular Fractures	10:50
Fractures		Luigi Zagra (IT)	
Stamatios Papadakis (GR)			
Hip Joint Preserving Surgery	11:05	Hip Dislocations and Head Fractures	11:05
Filippo Randelli (IT)		Stamatios Papadakis (GR)	
Primary THA	11:20	Proximal Femoral Fractures	11:20
Guido Grappiolo (IT)		Stamatios Papadakis (GR)	
Hip and THA Infection	11:35	Femoral Shaft & Distal Femoral	11:35
Klaus-Peter Günther (DE)		Fractures	
		Stamatios Papadakis (GR)	
DISCUSSION	11:50	DISCUSSION	11:50

LUNCH AND EXHIBITION (12:10-13:10)



Day 2 | July 9th | Afternoon | Knee

/-1		Allemoon Kilee	
13:10-14:40 Knee I		13:10-14:40 Knee I	
Anatomy & Biomechanics Pietro Randelli (IT)	13:10	Surgical anatomy and approaches in the treatment of fractures around the knee Philippe Neyret (FR)	13:10
Physical examination & Imaging Pietro Randelli (IT)	13:20	Clinical case presentation: distal femoral fractures Francesco Benazzo (IT)	13:20
Patellar instability: basic principles Feng Hua (CN)	13:35	Distal femoral fractures Francesco Benazzo (IT)	13:25
Patellar fractures and extensor mechanism injuries Feng Hua (CN)	13:50	Clinical case presentation: proximal tibial fractures Francesco Benazzo (IT)	13:35
Meniscal injuries: basic principles Philippe Neyret (FR)	14:00	The future of early knee osteoarthritis treatment: from joint preservation to unicompartmental replacement Elizaveta Kon (IT)	13:50
Ligamentous injuries: basic principles Philippe Neyret (FR)	14:15	Tricks and pearls in primary joint replacement: alignment choices, grades of constraint, deformity correction Pietro Randelli (IT)	14:00
EFORT President's Presentation Philippe Neyret (FR)	14:35	Clinical case presentation: total knee replacement failure Pietro Randelli (IT)	14:15
		Causes of total knee replacement failure: diagnostic & revision strategies Pietro Randelli (IT)	14:20

COFFEE BREAK (14:40-14:55)



Day 2 | July 9th | Afternoon | Knee II

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14:55-16:35 Knee II		14:55-16:35 Knee II			
Fractures: distal femur Francesco Benazzo (IT)	14:55	Clinical case presentation: periprosthetic fractures Pietro Randelli (IT)	14:55		
Fractures: proximal tibia Francesco Benazzo (IT)	15:15	Periprosthetic fractures around the knee Pietro Randelli (IT)	15:00		
Indications for joint replacement surgery, types of implants Maurilio Marcacci (IT)	15:35	Clinical case presentation: ACL failure Philippe Neyret (FR)	15:10		
Tricks and pearls for a successful primary joint replacement Maurilio Marcacci (IT)	15:45	Indications, timing, tricks and pearls in primary and revision ligament reconstruction Philippe Neyret (FR)	15:15		
Cartilage lesions and early osteoarthritis Elizaveta Kon (IT)	15:55	Clinical case presentation: multiligament injury Feng Hua (CN)	15:25		
Joint preserving treatments for knee osteoarthritis Elizaveta Kon (IT)	16:05	Surgical anatomy and approaches in the treatment of ligamentous injuries Feng Hua (CN)	15:30		
		Clinical case presentation: patellar instability Feng Hua (CN)	15:40		
		Diagnosis and treatment of patellar instability and patellofemoral joint disorders Feng Hua (CN)	15:45		
		Basic and advanced techniques for meniscal treatment Maurilio Marcacci (IT)	15:50		
DISCUSSION	16:15	DISCUSSION	16:05		
SIMULATION / STUDY TIME					

EVENING ACTIVITIES / STUDY TIME



Day 3 | July 10th | Morning | Foot & Ankle and Shoulder & Elbow

9:00-11:00 Foot & Ankle		9:00-11:00 Foot & Ankle			
Anatomy and Biomechanics	09:00	Open Fractures + Ankle Fractures	09:00		
João Vide (PT)		Ashique Ali			
Ankle Fractures	09:25	Calcaneal Fractures + Talar Franctures	09:25		
Ashique Ali		João Vide (PT)			
Pilon Fractures	09:50	Ankle Instability + Ankle Osteoarthritis	09:50		
Ashique Ali		Nick van Dijk (NL)			
Ankle Sprains and Instability	10:15	Flatfoot and Hallux Valgus	10:15		
Nick van Dijk (NL)		João Vide (PT)			
DISCUSSION	10:40	DISCUSSION	10:40		
COFFEE DE AV (11.00 11.15)					

COFFEE BREAK (11:00-11:15)					
COMPREHENSIVE REVIEW COURSE ROOM 1	EXAM PREPARATION COURSE ROOM 2				
11:15-13:00 Shoulder and Elbow I	11:15-13:00 Shoulder and Elbow I				
Anatomy & Biomechanics 11:15	Clinical case presentation: lateral 11:15				
Luc Favard (FR)	elbow pain				
	Alessandro Castagna (IT)				
Physical Exam & Imaging 11:35					
Luc Favard (FR)	Alessandro Castagna				
SC & AC joint disorders 11:50					
Luc Favard (FR)	the treatment of elbow fracture				
	Alessandro Castagna (IT)				
Clavicle, scapula and glenoid fractures 12:05					
Antonio Cartucho (PT)	dislocation and instability				
()	Alessandro Castagna (IT)				
Proximal humerus fractures 12:25					
Antonio Cartucho (PT)	Alessandro Castagna (IT)				
Fractures of the humeral shaft 12:40					
Antonio Cartucho (PT)	instablity				
Distal humerus and olecranon fractures 12:50					
Antonio Cartucho (PT)	, nessariare easiagina (ii)				
ranomo carrocrio (r i)					
	Shoulder instability 12:00				
	Alessandro Castagna (IT)				
	Biceps tendon pathology 12:10				
	Alessandro Castagna (IT)				
	tear				
	Luc Favard (FR)				
	Rotator cuff pathology 12:25				
	Luc Favard (FR)				
	Surgical anatomy and approaches in 12:35				
	the treatment of scapular, glenoid and				
	clavicular fractures				
	Luc Favard (FR)				
	Clinical case presentation: AC joint 12:45				
	Luc Favard (FR)				
	SC & AC joint disorders 12:50				
	Luc Favard (FR)				

LUNCH AND EXHIBITION (13:00-14:00)



Day 3 | July 10th | Afternoon | Shoulder and Elbow

14:00-15:20 Shoulder and Elbow II		14:00-15:20 Shoulder and Elbow I	I	
Elbow dislocations, radial head and coronoid fractures Alessandro Castagna (IT)	14:00	Surgical anatomy and approaches in the treatment of proximal humerus and humeral shaft fractures Luc Favard (FR)	14:00	
Rotator cuff and long head of the biceps pathology Alessandro Castagna (IT)	14:20	Clinical case presentation: shoulder trauma 1 Antonio Cartucho (PT)	14:10	
Shoulder instability and shoulder stiffness Alessandro Castagna (IT)	14:35	Clavicle, scapula and proximal humerus fractures Antonio Cartucho (PT)	14:15	
Glenohumeral arthritis and arthroplasty Alessandro Castagna (IT)	14:50	Clinical case presentation: shoulder trauma 2 Antonio Cartucho (PT)	14:30	
		Glenohumeral arthritis and arthroplasty Antonio Cartucho (PT)	14:35	
		Clinical case presentation: humeral shaft fracture Antonio Cartucho (PT)	14:45	
		Fractures of the humeral shaft Antonio Cartucho (PT)	14:50	
DISCUSSION	15:00	DISCUSSION	15:00	
SIMULATION / STUDY TIME				

EVENING ACTIVITIES / STUDY TIME



Day 4 July 11th Morning Wrist & Hand and Paediatrics					
9:00-11:20 Wrist & Hand		9:00-11:20 Wrist & Hand			
Hand Trauma	09:00	Extensor and Flexor Tendonds Injury -	09:00		
Alex Lluch (ES)		Acute and Chronic			
		Pierluigi Tos (IT)			
Wrist Trauma	09:30	Nerve Injury	09:30		
Alex Lluch (ES)		Pierluigi Tos (IT)			
Extensor and Flexor Tendonds Injury -	10:00	Hand Trauma	10:00		
Acute and Chronic		Alex Lluch (ES)			
Pierluigi Tos (IT)					
Nerve Injury	10:30	Wrist Trauma	10:30		
Pierluigi Tos (IT)		Alex Lluch (ES)			
DISCUSSION	11:00	DISCUSSION	11:00		
601		V (11.00 11.05)			

COFFEE BREAK (11:20-11:35)							
11:35-13:20 Paediatrics I		11:35-13:20 Paediatrics I					
Bone Biology, Fracture Classification	11:35	Wrist and Hand Fractures	11:35				
and Treatment Principles in Children		Antonio Andreacchio (IT)					
David Farrington (ES)							
Proximal & Humerus Shaft Fractures	11:50	Diagnosis and Treatment Principles of	11:50				
Vito Pavone (IT)		SCFE and Legg-Perthes-Calvé Disease					
		Antonio Andreacchio (IT)					
Elbow and Forearm Fractures	12:05	Pelvis Femur and Knee Fractures	12:05				
David Farrington (ES)		Manuel Cassiano Neves (PT)					
Wrist and Hand Fractures	12:20	Proximal & Humerus Shaft Fractures	12:20				
Antonio Andreacchio (IT)		Vito Pavone (IT)					
Pelvis, Femur and Knee Fractures	12:35	Tibia and Ankle Fractures	12:35				
Manuel Cassiano Neves (PT)		Vito Pavone (IT)					
Tibia and Ankle Fractures	12:50	Elbow and Forearm Fractures	12:50				
Vito Pavone (IT)		David Farrington (ES)					
DISCUSSION	13:05	DISCUSSION	13:05				
Federico Canavese (FR) - Manuel		David Farrington (ES) - Antonio					
Cassiano Neves (PT)		Andreacchio (IT)					

LUNCH AND EXHIBITION (13:20-14:20)



Day 4 | July 11th | Afternoon | Paediatrics

14:20-15:05 Paediatrics II		14:20-15:05 Paediatrics II	
History and Exam in Paediatric	14:20	Bone Biology, Fracture Classification	14:20
Orthopaedics		and Treatment Principles in Children	
Antonio Andreacchio (IT)		David Farrington (ES)	
Screening, Diagnosis and Treatment	14:35	Spine, Hip and Foot in Neuromuscular	14:35
Principles of DDH		Conditions	
Manuel Cassiano Neves (PT)		Vito Pavone (IT)	
Spine, Hip and Foot in Neuromuscular	14:50	Common Upper Extremity Disorders:	14:50
Conditions		Brachial Plexus Palsy, Syndactily and	
Vito Pavone (IT)		other Congenital Malformations	
		David Farrington (ES)	
		other Congenital Malformations	

SIMULATION / STUDY TIME

EVENING ACTIVITIES / STUDY TIME



Day 5 | July 12th | Morning | Simulation, Paediatrics and Tumours

COMPREHENSIVE REVIEW COURSE ROOM 9:00-10:05 Paediatrics III	EXAM PREPARATION COURSE ROOM 2 9:00-10:05 Paediatrics III
Common Upper Extremity Disorders: 09:0	O Screening, Diagnosis and Treatment 09:00
Brachial Plexus Palsy, Syndactily and	Principles of DDH
other Congenital Malformations	Manuel Cassiano Neves (PT)
David Farrington (ES)	
Clubfoot and Pes Planovagus 09:	5 History and Exam in Paediatric 09:15
Manuel Cassiano Neves (PT)	Orthopaedics
	Antonio Andreacchio (IT)
Diagnosis and Treatment Principles of 09:3	O Clubfoot and Pes Planovages 09:30
SCFE and Legg-Perthes-Calvé Disease	Manuel Cassiano Neves (PT)
Antonio Andreacchio (IT)	
DISCUSSION 09:4	5 DISCUSSION 09:45
Antonio Andreacchio (IT) - Vito Pavone	Manuel Cassiano Neves (PT) - David
(IT)	Farrington (ES)

COFFEE BREAK (10:05-10:20)

10:20-12:35 Tumours - ROOM 1					
Overview of Orthopaedic Oncology and Principles of Treatment	10:20				
Pietro Ruggieri (IT)					
Benign & Malignant Bone Tumours	10:50				
Pietro Ruggieri (IT)					
Metastatic Disease in Orthopaedics	11:15				
Eduardo Ortiz Cruz (ES)					
Benign & Malignant Soft Tissue Tumours	11:45				
Eduardo Ortiz Cruz (ES)					
DISCUSSION	12:15				

CLOSURES (12:35-13:35)



4. Info Milan and Congress Venue

<u>4.1 MILAN</u>

Milan, with a population of 1.3 million people, is the capital of Lombardy and of the Italian fashion and design world and is the biggest industrial city of Italy.

Milan is a wealthy city of glamorous people and stylish shopping streets. It has always been a rich and important city with a particular assortment of churches, buildings and monuments. Among those the Cathedral "Duomo", the Sforza Castle, The Teatro alla Scala and Leonardo da Vinci's 'Last Supper'.

Milan appears, at first glance, to be busy, rather severe and modern but it is actually friendly and one of the most ancient cities in Europe with more than 26 centuries of history and heritage.

4.2 CONGRESS VENUE

Humanitas University! Via Rita Levi Montalcini, 4! Pieve Emanuele (MI)

Humanitas University, located beside the Humanitas Hospital, a highly specialized teaching and research hospital, is to train globally minded healthcare professionals through state-of-the-art interactive teaching methods and close integration with its clinical and research community. It aims at becoming an international reference for the education of physicians, nurses and researchers capable to cope with the future scientific, technological and social evolution.

The new Humanitas University Campus covers a total area of over 20.000 square meters with a last generation Simulation Center of about 1.000 sq. m, laboratories, classrooms for lectures and small groups, spaces for individual and group study and cafeteria and canteen.

WiFi Congress Venue: will be given at the Congress Venue





4.3 ACCOMMODATION

Hunimed Student House at the Humanitas University Campus via Rita Levi Montalcini, 4 20090 - Pieve Emanuele, Milano

https://www.hunimed.eu/student-life/student-house/

The Forte Summer School participants will stay at the new Hunimed Student House, dedicated to the philanthropist Mario Luzzatto and managed by Camplus College. Humanitas University is the only Medical School in English in Milan with its own Campus, offering student accommodation just a few steps away from the University, Hospital and Research Center and immersed in a green area.

The Humined Student House has common areas among which: study hall, gym and sport areas, terrace, library, tv rooms, cafè, shared kitchen, laundry rooms, free parking and Amazon locker.