

## 7<sup>th</sup> EPOS BAT Instructional Course

Vienna, Austria: 8-10 March 2023



## Trilogy Course Part II - Paediatric Trauma

### Highlights

- Principles of Fractures in Children
- Upper Extremity Fractures
- Lower Extremity Fractures
- Basic Spine & Sports Injuries
- Specific Trauma Conditions

### Methods of education

- Theoretical Lectures
- Controversial Issues
- Techniques in Paediatric Orthopaedics
- Case Discussions
- Workshops



# Welcome



Rudolf Ganger



Sebastian Farr



Ignacio Sanpera

Dear Colleagues,

It is a pleasure to invite you to the 7th EPOS BAT Instructional Course Trilogy, an integral part of the EPOS Educational Program. The EPOS Educational Committee has set up the “BAT (Basic, Advanced & Traumatology) Educational Program”. The program meets the requirements set by the European Federation of National Associations of Orthopaedics and Traumatology (EFORT) and European Board of Orthopaedics and Traumatology (EBOT). Three consecutive educational events including two basic and one trauma courses cover the core curriculum education in Children’s Orthopaedics. 22 courses were held between May 2011 and June 2021 and more than 440 physicians from 56 countries completed the core curriculum education in Children’s Orthopaedics by attending three consecutive courses.

Educational Programme in Childrens Orthopaedics



The course is aimed at residents who want to improve their knowledge in Children’s Orthopaedics and also general Orthopaedic Surgeons, particularly young ones, who want to refresh their knowledge. The scientific content should encourage a greater understanding of Children’s Orthopaedics via a problem-solving approach to the diagnosis and management

of orthopaedic conditions in children informed by relevant research evidence. Teaching faculties are composed of internationally recognized experts in Children’s Orthopaedics from all over Europe.

The second part of the BAT course trilogy is the “Trauma Course” and includes theoretical lectures, debates, techniques in paediatric orthopaedics, case discussions and workshops concerning characteristics, assessment and treatment principles of fractures, treatment of specific trauma conditions, upper and lower extremity fractures and sports injuries in children.

Treatment innovations are often a result of collaboration between clinicians and industry and we acknowledge and appreciate that our industry partners contribute significantly to the educational content of these courses.

We invite orthopaedic surgeons and residents to the Orthopaedic Hospital Speising in Vienna in March 2023. We will do our utmost to meet and exceed your expectations.

Yours,

Rudolf Ganger

Local Host

Sebastian Farr

EPOS Educational  
Committee Chairman  
2022-2025

Ignacio Sanpera

EPOS President  
2022-2023

# Program

Wednesday 8 March

Tuesday 7 March  
at Orthopaedic Hospital Speising

16:00-18:00 Pre-registration (optional)

Schedule	Topic	Faculty
07:00	Registration	
07:50	Opening and welcome	S. Farr R. Ganger

## Basics of Fracture Care in Children

Moderator: T. Wirth

08:00	Fracture biology and healing	H. Ömeroglu
08:10	Why fractures in children differ from those in adults?	W. Nijhuis
08:25	Classification of fractures in children	S. Marangoz
08:35	Imaging modalities for pediatric fractures – what is necessary and when?	C. Alves
08:45	Discussion	

## Treatment Principles and Specifics of Pediatric Fractures

Moderator: F. Canavese

09:00	General principles of fracture treatment in children	I. Sanpera
09:20	Techniques in Paediatric Orthopaedics: Casting for children's fractures	N. Lutz
09:30	Treatment principles of physeal fractures and their sequelae	W. Nijhuis
09:50	Treatment principles of open fractures	P. Journeau
10:00	Discussion	
10:20	Coffee Break	

## Treatment of Specific Trauma Conditions

Moderator: A. Andreacchio

10:40	Pathologic Fractures	T. Wirth
10:55	Neurovascular and soft tissue injuries - what to do?	N. Lutz
11:10	Compartment syndrome	F. Canavese
11:20	Nonaccidental trauma	P. Journeau
11:30	Discussion	
11:45	Sponsored Workshops: Rotation System-1	
12:45	Lunch Break	

# Program

Wednesday 8 March

## Schedule Topic

## Faculty

### Shoulder and Upper Arm

Moderator: N. Lutz

13:45	Clavicle fractures and AC/SC dislocations	M. Witbreuk
14:00	Humerus proximal fractures	F. Canavese
14:10	Humerus shaft fractures	A. Andreacchio
14:20	Techniques in Paediatric Orthopaedics: FIN of humerus shaft fractures	T. Wirth
14:30	Discussion	

### Elbow-1

Moderator: M. Turati

14:50	Humerus supracondylar fractures – Basics and treatment principles	I. Sanpera
15:10	Controversies in Paediatric Orthopaedics: Medial-lateral cross pinning is better	D. Farrington
15:15	Controversies in Paediatric Orthopaedics: All lateral pinning is better	H. Ömeroglu
15:20	Humerus supracondylar fractures – management of complications	P. Journeau
15:30	Discussion	
15:50	Coffee Break	
16:15	Sponsored Workshops: Rotation System-2	

### Elbow-2

Moderator: W. Nijhuis

17:15	Humerus medial epicondyle fractures & elbow dislocation	A. Andreacchio
17:30	Humerus lateral condyle fractures	C. Alves
17:40	Radial head/neck fractures and nursemaid's elbow	F. Canavese
17:50	Acute Monteggia fractures	I. Sanpera
18:00	Discussion	
18:30	End of the day	
20:00	Course dinner	

# Program

Thursday 9 March

Schedule	Topic	Faculty
08:00	Expert Lecture: "The art of flexible intramedullary nailing"	P. Lascombes

## Forearm, Wrist and Hand

Moderator: M. Witbreuk

08:45	Forearm shaft fractures	T. Wirth
09:00	Distal forearm (radius/ulna) fractures	C. Alves
09:20	Controversial Issue: Completely displaced metaphyseal fractures in older children - Casting first	M. Witbreuk
09:25	Controversial Issue: Completely displaced metaphyseal fractures in older children - Pinning first	D. Farrington
09:30	Hand fractures (metacarpal/phalanges/scaphoid)	N. Lutz
09:45	Discussion	
10:15	Coffee Break	
10:35	Sponsored Workshops: Rotation System-3	

## Pelvis, Hip and Thigh

Moderator: H. Ömeroglu

11:35	Pelvic and acetabular fractures	M. Witbreuk
11:45	Femur proximal fractures	H. Ömeroglu
12:00	Femur shaft fractures	S. Marangoz
12:15	Controversial Issue: Femur shaft fractures around 5 years of age – Early spica cast first	H. Ömeroglu
12:20	Controversial Issue: Femur shaft fractures around 5 years of age – FIN first	P. Journeau
12:25	Femur distal fractures	A. Andreacchio
12:35	Discussion	
13:00	Lunch Break	
14:00	Sponsored Workshops: Rotation System-4	
15:00	Case Presentations by the Participants (Upper Limb Trauma)	C. Alves

# Program

Thursday 9 March

Schedule	Topic	Faculty
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## Leg, Ankle and Foot

Moderator: I. Sanpera

16:00	Tibia proximal and eminentia fractures	W. Nijhuis
16:10	Tibia shaft fractures	I. Sanpera
16:20	Ankle fractures	F. Canavese
16:30	Foot fractures	S. Marangoz
16:40	Discussion	
17:00	Coffee Break	
17:15	Case Presentations by the Participants (Lower Limb Trauma)	P. Journeau
18:30	End of the day	

# Program

Friday 10 March

Schedule	Topic	Faculty
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## Basic Spine injuries

Moderator: D. Farrington

08:30	Cervical spine injuries	D. Farrington
08:45	Thoraco-lumbar fractures and SCIWORA	D. Farrington
09:00	Concussion	M. Turati
09:10	Discussion	

## Sports Injuries-1

Moderator: S. Marangoz

09:25	Epidemiology and prevention of sports injuries in children	N. Lutz
09:35	Common overuse injuries (upper limb) in children	M. Witbreuk
09:45	Common overuse injuries (lower limb) in children	C. Alves
09:55	Discussion	

10:15	Coffee Break (including course picture)	
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10:35	<b>Sponsored Workshops: Rotation System-5</b>	
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## Sports Injuries-2

Moderator: F. Canavese

11:35	Meniscus injuries and discoid meniscus	M. Turati
11:50	Ligamentous injuries of the knee and ankle	M. Turati
12:05	Osteochondritis dissecans (knee/ankle)	T. Wirth
12:25	Patellofemoral instabilities	W. Nijhuis
12:40	Discussion	

13:15	“Meet your Mentors” – Hot topics from the audience for discussion	All
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14:00	Trilogy Diplomas & Closing Remarks	S. Farr, I. Sanpera
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14:30	End of the course	
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# Information

## General information

- The program is subject to change.
- The number of participants is limited to 150. Registration process will be handled in "first-come, first-served" rule.
- All registered participants are asked to bring their original cases for presentation in the recommended format.
- Please note that attendees are responsible for making their own travel and accommodation arrangements.
- An electronic course syllabus including the abstracts of the lectures will be sent to the registered attendees prior to the course by e-mail.

## Future Courses

### 41<sup>st</sup> EPOS Annual Meeting

Kraków, Poland | 29 March - 1 April 2023

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### EPOS BAT Advanced Course

#### Pediatric Spine Deformities

Vienna, Austria | 11-12 May 2023

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### EPOS BAT ADVANCED COURSE

#### Metabolic and genetic disorders in pediatric orthopedics

Vienna, Austria | 6-7 September 2023 (note new dates!)

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### 7<sup>th</sup> EPOS BAT INSTRUCTIONAL COURSE TRILOGY

#### Part III

Vienna, Austria | 15-17 November 2023 (note new dates!)

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# Information

**Course fees** (incl. 10% Austrian VAT)

**Early registration\***  
(valid until Sunday 19<sup>th</sup> of February)

**Participants**  
EUR 500.00

**EPOS members\*\***  
EUR 400.00

**Residents\*\***  
EUR 350.00

**Late registration fees**  
(no onsite registration possibility and valid as of Monday 20<sup>th</sup> of February)

**Participants**  
EUR 550.00

**EPOS members\*\***  
EUR 450.00

**Residents\*\***  
EUR 400.00

**Course dinner\*\*\*:**  
EUR 40.00

\* The early registration fee is only when the payment is made before the early registration deadline

\*\* Proof needs to be uploaded depending on the registration category chosen

\*\*\* Course Dinner: Will be held on Wednesday 8<sup>th</sup> of March at 20h00. Interested participants may buy a ticket via the course registration platform.

## Registration fees include

- Participation to all course educational activities;
- Course syllabus;
- Lunches and coffee/tea during the breaks.

## Course language

English – no translation

## CME Credits

In the process.

## Opening hours

Tuesday, 7 March 16:00-18:00

Wednesday, 8 March 07:00-18:30

Thursday, 9 March 07:00-18:30

Friday, 10 March 08:00-14:30

## Contact

EPOS Central Office  
[courses@epos.org](mailto:courses@epos.org)

## Venue

Orthopaedic Hospital Speising  
Speisinger Strasse 109  
1130 Vienna  
Austria

Auditorium: Prof. Spitzzy-Auditorium



**Orthopädisches  
Spital Speising**  
Wien

# Faculty

## Course Faculty

Cristina Alves, Coimbra Pediatric Hospital, Coimbra/Portugal  
Antonio Andreacchio, Ospedale dei Bambini Vittore Buzzi, Milan/Italy  
Federico Canavese, Jeanne de Flandre Hospital, Lille/France  
David Farrington, IHP-Orthopediatria, Sevilla/Spain  
Pierre Journeau, Nancy University Center Hospital, Nancy/France  
Pierre Lascombes, Nancy University/France & Geneva University/Switzerland  
Nicolas Lutz, CHUV University Hospital, Lausanne/Switzerland  
Salih Marangoz, Acibadem University, Istanbul/Turkey  
Wouter Nijhuis, University Medical Center Utrecht/Netherlands  
Hakan Ömeroglu, Ufuk University Dr.Ridvan Ege Hospital, Ankara/Turkey  
Ignacio Sanpera, Hospital Universitari Son Espases, Palma de Mallorca/Spain  
Marco Turati, ASST San Gerardo Hospital, Monza/Italy  
Thomas Wirth, Olga Hospital, Stuttgart/Germany  
Melinda Witbreuk, VU University Medical Center Amsterdam/Netherlands

## Course Program Committee

Sebastian Farr	Course Program Chair
	EPOS Educational Committee Chairman
Ignacio Sanpera	EPOS President 2022/2023
Rudolf Ganger	Local Host

## Industry Sponsored Workshops: Rotation System

Station 1	Femur intramedullary nailing	P. Journeau, A. Andreacchio, S. Marangoz
Station 2	Humerus supracondylar fracture pinning and forearm fracture plating	D. Farrington, M. Witbreuk
Station 3	External fixation of long bone fractures	T.Wirth, N. Lutz, W. Nijhuis
Station 4	FIN of long bone fractures	H.Ömeroglu, P.Lascombes
Station 5	Research methods	F.Canavese, C.Alves, M. Turati

*\*To be confirmed. Workshop program/Faculty is subject to change*