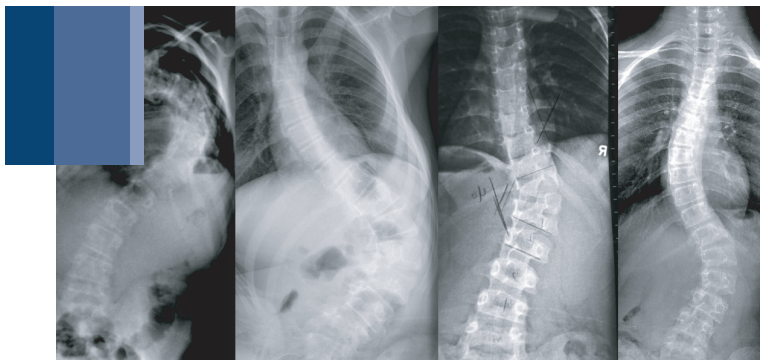




European Paediatric Orthopaedic Society

## EPOS BAT Advanced Course

Fundamentals of pediatric spine deformities



Children's spine is not a miniature  
of adults' ones!

November 24-25, 2017

Speising Hospital, Vienna, Austria

# Welcome Message



Muharrem Yazici



Hakan Ömeroglu



Manuel Cassiano Neves

Dear Colleagues,

It is our pride and pleasure to invite you to the EPOS Advanced course "Children's Spine is not a Miniature of Adults' Ones!" that will take place November 2017 in Vienna.

The management of spinal deformities remains one of the most challenging areas of orthopaedic and neurosurgical practice. Deformities appearing in early childhood further complicate the problem. The child is not a smaller model of the adult, and techniques that are reliable and safe in adults do not yield the same results in children. Due to their unique nature, children's spinal deformities need to be managed with their own set of principles.

With advances in the past 20 years, great strides have been made in developing safe and efficient methods for the successful treatment of pediatric spinal deformities that remain respectful of the capacity for growth and avoid the negative impact on quality of life. Breath-taking developments in the fields of preoperative assessment, anesthesia, intensive care, instrumentation and monitorization have allowed these desperate children to no longer be destined for crooked spines, retarded height or insufficient pulmonary capacity.

In accordance with its pioneering mission to generate and distribute modern information in the field of pediatric orthopaedics, EPOS has decided this year to dedicate its annual advanced course to the management of pediatric spinal deformities. Our faculty, consisting of world-renowned experts in the field, will spend 2 days sharing the most current knowledge through the unique perspective of their experience. Many topics including early-onset scoliosis, coronal and sagittal plane deformities of the spine, and disorders causing secondary spinal deformities will be discussed in detail. Attendees will have a chance to practice techniques in hands-on workshops.

We believe this course will be beneficial for pediatric orthopaedic surgeons, spine surgeons, neurosurgeons interested in pediatric spinal deformity, and also residents in their final year of orthopaedic or neurosurgical training.

Muharrem Yazici,  
MD

Hakan Ömeroglu  
MD

Manuel Cassiano Neves  
MD

# Faculty

## Course Faculty

Kariman Abelin-Genevois

Rene Castelein

David Farrington

Carol C Hasler

Jean-Luc Jouve

Dror Ovadia

Ignacio Sanpera

Ralf Stuecker

Athanasios Tsirikos

Muharrem Yazici

France

The Netherlands

Spain

Switzerland

France

Israel

Spain

Germany

UK

Turkey

# Scientific Programme

November 24, 2017 Friday

## Session 1

Moderator: Dror Ovadia

8.00-8.05 Opening remarks  
Fundamentals of Spine Deformity

8.05-8.13	Growth of spine and chest wall	Dror Ovadia
8.14-8.22	Functional anatomy, incl. spinal alignment	Ignacio Sanpera
8.23-8.30	Clinical examination	Athanasios Tsirikos
8.31-8.38	Imaging	Kariman Abelin-Genevois
8.39-8.45	Neuromonitoring	Jean-Luc Jouve
8.46-8.50	Outcome analysis	Carol Hasler

8.50-9.00 Discussion

### *Early Onset Scoliosis*

9.00-9.08	Problems, obstacles	Carol Hasler
9.09-9.24	Treatment alternatives	Muharrem Yazici
9.25-9.30	Outcomes	David Farrington

9.30-9.40 Discussion

9.40-10.00	Case presentations (EOS)	Dror Ovadia
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10.00-10.20 Coffee break

## Session 2

### **Idiopathic Scoliosis**

Moderator: Rene Castelein

10.20-10.40	Etiology, classification, natural history	Rene Castelein
10.40-11.00	Conservative management	Kariman Abelin-Genevois
11.00-11.20	Surgical treatment: Techniques	Athanasios Tsirikos
11.20-11.30	Long-term outcome of surgical treatment	Kariman Abelin-Genevois
11.30-11.45	Discussion	

11.45-12.15	Case presentations	Rene Castelein
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12.20-13.20 Lunch break

13.20-14.20 Workshop Rotation Round 1

Group 1:	Growth friendly techniques
Group 2:	Adolescent idiopathic scoliosis
Group 3:	Neuromuscular deformities
Group 4:	Meet-to-expert

# Scientific Programme

November 24, 2017 Friday

Session 3

## Neuromuscular spine deformities

Moderator: David Farrington

14.25-14.35	General characteristics and treatment principles	Kariman Abelin-Genevois
14.35-14.40	Conservative treatment	David Farrington

### *Surgery*

14.40-14.45	Role of growth-friendly surgeries	Dror Ovadia
14.45-14.55	Instrumented fusion: Pros and cons	Ignacio Sanpera

### *Specific pathologies*

14.55-15.02	Cerebral palsy	Carol Hasler
15.02-15.10	SMA and Muscular dystrophies	David Farrington

15.10-15.25 Discussion

15.25-15.40	Case presentations	David Farrington
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15.40-16.00 Coffee break

Session 4

## Sagittal plane deformities

Moderator: Jean-Luc Jouve

16.00-16.10	Scheuermann kyphosis	Jean-Luc Jouve
16.10-16.20	Spondylolysis, Spondylolisthesis	Rene Castelein

16.20-16.30 Discussion

16.30-16.50	Case presentations	Jean-Luc Jouve
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16.50-17.00 Short break

17.00-18.00 Workshop Rotation Round 2

Group 2:	Growth friendly techniques
Group 3:	Adolescent idiopathic scoliosis
Group 4:	Neuromuscular deformities
Group 1:	Meet-to-expert

# Scientific Programme

November 25, 2017 Saturday

08.00-09.00 Workshop Rotation Round 3

Group 3: Growth friendly techniques

Group 4: Adolescent idiopathic scoliosis

Group 1: Neuromuscular deformities

Group 2: Meet-to-expert

09.00-09.10 Short break

Session 5

## Congenital spine deformities

Moderator: Muharrem Yazici

9.10-9.20 Associated intraspinal anomalies

Kariman Abelin-Genevois

9.20-9.35 Scoliosis

Muharrem Yazici

9.35-9.45 Kyphosis

Ralf Stuecker

9.45-9.55 Myelomeningocele

Dror Ovadia

9.55-10.10 Discussion

10.20-10.40 Case presentations

Muharrem Yazici

10.40-11.00 Coffee break

Session 6

## Syndromic spine

Moderator: Ralph Stuecker

11.00-11.15 Connective tissue disorders

Ralf Stuecker

11.15-11.30 Weak bone diseases

Muharrem Yazici

11.30-11.40 Marfan

Rene Castelein

11.40-11.55 Bone dysplasias

Ralf Stuecker

11.55-12.10 Metabolic diseases

Muharrem Yazici

12.10-12.25 Neurofibromatosis

Athanasios Tsirikos

12.25-12.40 Discussion

12.40-13.00 Case presentations

Ralf Stuecker

13.00-14.00 Lunch break

14.00-15.00 Workshop Rotation Round 4

Group 4: Growth friendly techniques

Group 3: Adolescent idiopathic scoliosis

Group 2: Neuromuscular deformities

Group 1: Meet-to-expert

15.00-15.10 Short break

# Scientific Programme

November 25, 2017 Saturday

Session 7

## **Secondary deformities**

Moderator: Athanasios Tsirikos

15.10-15.20 Tumors	Athanasios Tsirikos
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15.20-15.30 Infections	Ignacio Sanpera
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15.30-15.40 Trauma	Jean-Luc Jouve
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15.40-15.50 Discussion

15.50-16.10 Case presentations	Athanasios Tsirikos
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16.10-16.15 Adjourn

# Information

## Course fees\*

Participants  
EUR 450.00

EPOS members  
EUR 300.00

Residents  
EUR 275.00

## Late registration fees (15 October – 23 November 2017)

Participants  
EUR 475.00

EPOS members  
EUR 325.00

Residents  
EUR 300.00

## On-site registration fees

Participants  
EUR 500.00

EPOS members\*  
EUR 350.00

Residents\*  
EUR 325.00

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

## Course language

English – no translation

## Credits

CME Accredited

## Opening hours

Friday November 24th: 07:00 – 18:00

Saturday November 25th: 07:00 – 16:30

## Contact

Sanni Hiltunen

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EFORT

Tel +41 21 343 4410 [sanni.hiltunen@efort.org](mailto:sanni.hiltunen@efort.org)

## Venue

Orthopaedic Hospital Speising

Speisinger Strasse 109

1130 Vienna

Austria

Auditorium: Prof. Spitzky-Auditorium

All registered participants are asked to bring their original cases for presentation in the recommended format. The best case presentation will be elected and certified.

Please note that attendees are responsible for making their own travel and accommodation arrangements.



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