

4th EPOS-EFORT BAT INSTRUCTIONAL COURSE TRILOGY



Part I; Paediatric Orthopaedics Basic I Course

Orthopaedic Hospital Speising, Vienna, Austria
16-18 March 2016

- Growth, Development, Bone Metabolism and Related Disorders
- The Orthopaedic History and Clinical Examination
- Paediatric Foot Disorders
- Paediatric Hip Disorders
- Limb Length Discrepancy
- Lower Limb Deformity
- Theoretical Lectures
- Controversial Issues
- Techniques in Paediatric Orthopaedics
- Case Discussions
- Workshops

Welcome Message



Rudolf Ganger



Hakan Ömeroglu



Bjarne Møller-Madsen

Dear Colleagues,

It is a pleasure to invite you to the 4th EPOS-EFORT BAT Instructional Course Trilogy, an integral part of the EPOS-EFORT BAT Educational Programme. The EPOS Educational Committee has set up the "BAT (Basic, Advanced & Traumatology) Educational Programme". The programme 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 courses including two basics and one trauma cover the core curriculum education in Children's Orthopaedics.

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 first part of the BAT course trilogy is the "Basic I Course" and includes theoretical lectures, debates, techniques in orthopaedics, case discussions and workshops concerning basic science, the orthopaedic history and clinical examination, paediatric hip and foot disorders, limb length discrepancy and lower limb deformity.

Treatment innovations are often as a result of collaboration between clinicians and industry and 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 2016. We will do our utmost to meet and exceed your expectations.

Yours,

Rudolf Ganger
Local Host
EPOS Treasurer Elect

Hakan Ömeroglu
EPOS Education
Committee Chairman

Bjarne Møller-Madsen
EPOS President 2015/2016

Scientific Committee

Bjarne Møller-Madsen	EPOS President, EFORT Speciality Society Standing Committee Chairman
Manuel Cassiano Neves	EPOS Vice President, EFORT Past President
Rudolf Ganger	Local Host, EPOS Treasurer Elect, EPOS Education Committee Member
Hakan Ömeroglu	Course Program Coordinator, EPOS Education Committee Chairman

Course Faculty

Cristina Alves	Coimbra Pediatric Hospital, Coimbra/Portugal
Antonio Andreacchio	Regina Margherita Children's Hospital, Turin/Italy
Darko Anticevic	Zagreb University Zagreb Children's Hospital, Zagreb/Croatia
Stephanie Böhm	Karolinska University Astrid Lindgren Children's Hospital, Stockholm/Sweden
Manuel Cassiano Neves	Hospital CUF Descobertas, Lisbon/Portugal
Jaroslav Czubak	Gruca Teaching Hospital, Otwock/Poland
Rudolf Ganger	Orthopaedic Hospital Speising, Vienna/Austria
Fritz Hefti	Basel University Children's Hospital, Basel/Switzerland
Pierre Lascombes	Geneva University Hospital, Geneva/Switzerland
Bjarne Møller-Madsen	Aarhus University Hospital, Aarhus/Denmark
Hakan Ömeroglu	Eskisehir Osmangazi University Hospital, Eskisehir/Turkey
Manoj Ramachandran	Royal London Hospital, London/UK
Andreas Roposch	Great Ormond Street Hospital for Children, London/UK
Ralph Sakkers	Utrecht University Medical Center, Utrecht/The Netherlands

Programme

16 March 2016 Wednesday

07:15–08:00 Registration

08:00–08:10 Opening and Welcome

H.Ömeroglu, R.Ganger, M.Cassiano Neves, B.Møller-Madsen

08:10 **Growth, Development,
Bone Metabolism, The Orthopaedic
History&Clinical Examination**

P.Lascombes

08:10 Biology of skeletal growth

B.Møller-Madsen

08:20 Bone metabolism

R.Sakkers

08:30 The orthopaedic history

F.Hefti

08:40 Developmental milestones

D.Anticevic

08:50 The orthopaedic clinical examination

R.Sakkers

09:05 Discussion

09:15 **Workshop Rotation System-1**

10:30 Coffee Break

10:50 **Bone Disorders**

B.Møller-Madsen

10:50 Metabolic and endocrine bone disorders

R.Sakkers

11:00 Skeletal dysplasias

D.Anticevic

11:10 Syndromes of orthopaedic importance

C.Alves

11:20 Discussion

11:30 **Paediatric Foot Disorders-1**

A.Roposch

11:30 Normal foot growth, clinical & radiological
evaluation, normal variations

S.Böhm

11:45 Postural deformities incl. metatarsus adductus
& calcaneovalgus

M.Cassiano Neves

11:55 Osteochondroses incl. Kohler, Freiberg and Sever

A.Andreacchio

12:05 Discussion

12:15 Lunch

13:15 **Paediatric Foot Disorders-2**

M.Ramachandran

13:15 Club foot-Aetiology, pathologic anatomy,
classification

C.Alves

13:30 Club foot-Non-operative treatment

S.Böhm

13:50 *Controversial Issue:* Duration of orthosis use
following casting in the Ponseti method

Up to 2-3 years of age

A.Andreacchio

Up to 5 years of age

S.Böhm

Programme

16 March 2016 Wednesday

14:00 Discussion

14:15 Workshop Rotation System-2

15:30 Coffee break

15:50 **Paediatric Foot Disorders-2** **J.Czubak**

15:50 Clubfoot-Treatment principles of relapsed and neglected cases

C.Alves

16:05 *Techniques in Paediatric Orthopaedics;*

Tibialis anterior tendon transfer

S.Böhm

16:10 Discussion

16:20 **Paediatric Foot Disorders-3** **R.Ganger**

16:20 Flexible pes planus

F.Hefti

16:30 Rigid pes planus incl. vertical talus and tarsal coalition

C.Alves

16:45 Pes cavus

B.Møller-Madsen

16:55 *Techniques in Paediatric Orthopaedics;*

Pes cavus surgery

M.Cassiano Neves

17:00 Toe deformities incl. hallux valgus

A.Andreacchio

17:10 Discussion

17:25 **Case Presentations by the Participants
& Faculty (Foot Disorders)**

S.Böhm

18:10 End of the Day

20:00 Course Dinner

Programme

17 March 2016 Thursday

08:00 **Hip Growth & Examination** **A.Andreacchio**

08:00 Normal hip growth and anatomy B.Møller-Madsen

08:10 Clinical examination J.Czubak

08:20 Radiological examination A.Roposch

08:35 Newborn hip screening R.Sakkers

08:45 Discussion

08:55 **Workshop Rotation System-3**

10:10 **Coffee Break**

10:30 **Paediatric Hip Disorders-1** **D.Anticevic**

10:30 DDH-Epidemiology, pathophysiology M.Ramachandran

10:40 DDH-Treatment principles before walking age A.Roposch

10:55 *Techniques in Paediatric Orthopaedics;*
Pavlik harness application in DDH H.Ömeroglu

11:00 *Techniques in Paediatric Orthopaedics;*
Closed reduction in DDH M.Ramachandran

11:05 *Techniques in Paediatric Orthopaedics;*
Open reduction in DDH M.Cassiano Neves

11:10 *Controversial Issue;* Timing for reduction in DDH
No need for waiting until the ossific nucleus appears A.Roposch
Reduce the hip after the ossific nucleus appears M.Cassiano Neves

11:20 Discussion

11:35 **Paediatric Hip Disorders-2** **F.Hefti**

11:35 DDH-Treatment principles after walking age M.Ramachandran

11:50 *Techniques in Paediatric Orthopaedics;*
Salter innominate osteotomy A.Roposch

11:55 *Techniques in Paediatric Orthopaedics;*
Dega osteotomy J.Czubak

12:00 DDH-Complications A.Roposch

12:10 Treatment principles of hip dysplasia in
adolescents and young adults M.Ramachandran

12:20 *Techniques in Paediatric Orthopaedics;*
Periacetabular osteotomy J.Czubak

12:25 Discussion

12:40 **Lunch**

13:40 **Mini Workshop on Hip US by the
Graf Method**

H.Ömeroglu

Programme

17 March 2016 Thursday

14:05 Workshop Rotation System-4

15:20 Coffee Break

15:40 **Paediatric Hip Disorders-3** **C.Alves**

15:40 LCPD-Aetiology, pathophysiology, diagnosis, classification **D.Anticevic**

15:55 LCPD-Prognosis and treatment incl. sequelae **F.Hefti**

16:10 *Controversial Issue*; Type of osteotomy for containment therapy in LCPD

Femoral is better **D.Anticevic**

Pelvic is better **F.Hefti**

16:20 Discussion

16:35 **Paediatric Hip Disorders-4** **M.Cassiano Neves**

16:35 SCFE-Aetiology, pathophysiology, diagnosis, classification **M.Ramachandran**

16:50 SCFE-Prognosis and treatment incl. sequelae **J.Czubak**

17:05 *Controversial Issue*; Acute moderate SCFE

Fix in situ **A.Andreacchio**

Reduce it first then fix **M.Ramachandran**

17:15 Discussion

17:30 **Case Presentations by the Participants & Faculty (Hip Disorders)** **A.Roposch**

18:15 End of the Day

Programme

18 March 2016 Friday

08:00 Torsional Deformities & Limb Length Discrepancy

S.Böhm

08:00 Common causes of in-toeing, out-toeing

M.Cassiano Neves

08:10 Etiology of limb length discrepancy

R.Ganger

08:20 Growth prediction & deformity analysis

P.Lascombes

08:35 Guided growth

P.Lascombes

08:45 Discussion

09:00 Workshop Rotation System-5

10:15 Coffee Break

10:35 Limb Lengthening

R.Sakkers

10:35 Principles of callus distraction

P.Lascombes

10:45 Femoral lengthening: indications, methods,
complications

R.Ganger

11:00 Tibial lengthening: indications, methods,
complications

P.Lascombes

11:15 *Controversial Issue;*
Lower limb lengthening in childhood

Better with im motorized nail

S.Böhm

Better with external fixator

R.Ganger

11:25 Discussion

11:40 Genu Varum and Genu Valgum

P.Lascombes

11:40 Aetiology and diagnosis

M.Cassiano Neves

11:50 Treatment

R.Ganger

12:05 Discussion

12:15 Case Presentations by the Participants & Faculty (Limb Lengthening and Deformity Correction)

R.Ganger

13:00 Take Home Messages & Awards & Trilogy Diplomas & Closing Remarks

13:30 End of the Course

WORKSHOP ROTATION SYSTEM:

Station 1: Tibial lengthening and deformity correction

R.Ganger, P.Lascombes, M.Cassiano Neves

Station 2: Locking hip plate

M.Ramachandran, J.Czubak, H.Ömeroglu

Station 3: 8 plate insertion & pin insitu in SCFE

F.Hefti, D.Anticevic, R.Sakkers

Station 4: Ponseti casting technique in clubfoot

S.Böhm, A.Andreacchio, C.Alves

Station 5: Research methods

A.Roposch, B.Møller-Madsen

Information

Course fees*

Participants
EUR 400.00

EPOS members
EUR 300.00

Residents*
EUR 250.00

Dinner
EUR 35.00

Late registration fees (16 January – 15 March 2016)

Participants
EUR 425.00

EPOS members*
EUR 325.00

Residents*
EUR 275.00

On-site registration fees

Participants
EUR 450.00

EPOS members*
EUR 350.00

Residents*
EUR 300.00

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

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.



The next courses in the 4th Trilogy will be:

Part II: Paediatric Trauma: 5–7 October 2016

Part III: Paediatric Orthopaedics Basic II: 8–10 March 2017

Info <http://registrationforms.caos.nl/batcourse>

Course language

English – no translation

Credits

CME Accreditation ongoing

Opening hours

Wednesday March 16: 07:15–18:00

Thursday March 17: 08:00–18:00

Friday March 18: 08:00–13:30

Contact

EPOS Conference Organizers

CAOS

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Venue

Orthopaedic Hospital Speising

Speisinger Strasse 109

1130 Vienna

Austria

Auditorium: Prof. Spitzzy-Auditorium



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