



VERONA COURSES

2011

ORTHOPEDICS

MEDICAL EDUCATION PROGRAMME



ORTHOFIX®

Dear Subsidiary/Distributor,

Orthofix intends to assist Healthcare Professionals in their continuing development through **Linked-MED-ED™**, a programme that creates a global network to expand best practice in Trauma & Orthopedics for better patient care and patient outcome.

Continuing Education maintains, improves and broadens knowledge and skills and develops the qualities required in the professional life. It is an essential and important facet for healthcare professionals who have to deal with the afflictions of trauma and disease on human life. Their competence and ability can significantly impact on the outcome of the patient's management.

Linked-MED-ED™ wants to be an educational pathway for surgeons, residents and nurses. Based on a step-by-step approach, it will identify the learning needs and meet them through different modalities (from in-class courses to hospital-based training) using Information Technology tools. Continuing Education will be initiated at resident level and continue throughout their medical career. Skills in teaching, research and clinical management will be also developed.

Linked-MED-ED™ will be an important tool to increase knowledge by sharing surgeons' experiences and best practice initiatives.

The International Medical Education Courses listed in the enclosed 2011 Calendar are integral elements of the **Linked-MED-ED™** project, which will see Basic Courses run locally for surgeons, residents and nurses and more Advanced Courses in Verona. There will be, in addition, Train the Trainers Courses to widen the Faculty base.

Please note that the definitive programme will be available one month prior to the course as it will be linked to market sales strategies and tailored to fit attending countries needs.

During 2011 an on-line registration process will be introduced to facilitate the course information management. We will keep you updated.

Kindest regards,

A handwritten signature in blue ink that reads 'Susanna Salvagno'.

Susanna Salvagno
Medical Science Director
Orthofix Orthopedics Division

2011 International Courses

January	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
February	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
March	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
November	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
December	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31



Advanced Trauma



Tibia & Foot



Pediatric



Upper Limb



Lower Limb Reconstruction



Fundamentals of External Fixation in Trauma & Orthopedics



Advanced Circular External Fixation



Fundamentals of External Fixation in Trauma & Orthopedics

May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
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October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
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Objectives

This course will allow participants to:

- Become familiar with the basic principles and technical aspects of circular and monolateral fixation
- Be acquainted with complications, their prevention and management
- Increase personal clinical experience with these principles and techniques for appropriate patient selection and management

Contents

- Basic mechanisms of new bone formation under the influence of tensional stress
- Essentials of frame biomechanics
- Principles of wires and half pins insertion
- Principles of lengthening
- Post-operative care and frame removal
- Pre-operative planning for deformity correction

Practical Sessions

- Optimal stabilization of the bone segment
- Bone segment manipulation
- Spanning external fixation for damage control
- Lengthening
- Principles of deformity correction
- Coronal plane deformity (tibia vara)

Venue

Orthofix Education Centre
Verona
Italy

Addressees

Surgeons who desire to approach external fixation and start using it in their clinical practice.

Products

- Prefix
- XCaliber
- TrueLok™
- LRS



Advanced Circular External Fixation

April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
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October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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Objectives

This course will teach advanced circular fixation techniques in order to deal with the most challenging cases.

Contents

- Correlation between mechanical loading and blood supply
- Soft tissue adaptation to gradual distraction
- Complications of external fixation and limb lengthening
- Stimulation of bone healing and distractional regenerate
- Small groups clinical case discussion

Practical Sessions

- Oblique plane deformity correction
- Pilon fractures
- Complex foot deformity correction
- Bone transport

Venue

Texas Scottish Rite Hospital
for Children
Dallas
Texas, US

Addressees

Surgeons already familiar with circular fixation.

Products

- TrueLok™



Fundamentals of External Fixation in Trauma & Orthopedics

February	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
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June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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Objectives

Learn how to tackle the problems associated with complex fractures. For each anatomical site, the common problems will be analyzed and the different fracture treatment solutions discussed.

Venue

Feb 21-22
Orthofix Education Centre
Verona
Italy

Jun 9-10
To be confirmed

Contents

Tibia

- Open fractures
- Bone loss
- Early infection and wound problems
- Periarticular fractures
- Damage control orthopedics

Hip & Femur

- Petrochanteric fractures
- Diaphyseal fractures
- Non-Union and Bone loss
- Supra-condylar fractures

Pelvis

- Damage Control Orthopedics

- Primary and secondary stabilization of unstable pelvic fractures

Humerus & Forearm

- Proximal humeral fractures
- Diaphyseal humeral fractures
- Humeral non-union
- Elbow fracture-dislocations
- Wrist fractures

Addressees

Surgeons who have attended a Basic External Fixation Programme and show a specific interest in the subject.

Practical Sessions

- Temporary and definitive fixation of tibia, femur and pelvis with external fixation
- Long bone fractures treated with intramedullary nailing
- Treatment of bone loss
- Tibial plateau fractures
- Pilon fractures
- Petrochanteric fractures treated with plating and intramedullary nailing
- Humeral fractures treated with Intramedullary Nailing
- Distal radius fractures treated with external fixation and Volar Plating

- Practical sessions on anatomical specimens (only Jun 9 -10)

Products

Tibia

- Prefix2
- XCaliber
- TrueLok™
- Centronail Tibial Nailing System

Hip & Femur

- PCCP
- Veronail
- Centronail Femoral Nailing System
- LRS

Pelvis

- Pelvic Fixator
- Prefix2

Humerus & Forearm

- Centronail Humeral Nailing System
- XCaliber
- LRS
- Elbow Fixator
- Wrist Fixators
- Volar Plate
- Minifixators



Lower Limb Reconstruction

January

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

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Objectives

Correction of post-traumatic and congenital deformities of the lower limb using external and internal fixation.

Venue

Orthofix Education Centre
Verona
Italy

Contents

Lengthening

- Callotasis: principles & technique
- Lengthening using an internal skeletal distractor
- Lengthening using external fixation

Angular correction

- Planning for deformity correction
- Deformity correction in the tibia using a circular frame
- Deformity correction in the tibia using monolateral fixation
- Angular and rotational deformities in the femur
- Correction of angular deformities through guided growth

Joint Disorders

- Correction of joint deformities
- Arthrodesis
- Arthrodiatasis

Addressees

Surgeons who have attended a Basic External Fixation Programme and show a specific interest in the subject.

Practical Sessions

- Planning a deformity correction and application of a circular frame
- Acute deformity correction and lengthening using monolateral external fixation
- ISKD

Products

- LRS
- TrueLok™
- ISKD
- Eight-Plate
- Prefix



Upper Limb

May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
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Objectives

Trauma and orthopaedic indications in the upper limb treated with internal and external fixation.

Venue

May 26-27
Department of Anatomy, Histology and Embryology, Division of Clinical and Functional Anatomy
Innsbruck
Austria

Dec 1-2
Orthofix Education Centre
Verona
Italy

Contents

Trauma

- Humeral fractures
- Fracture and fracture/dislocations of the elbow
- Unstable distal radius fractures: treatment protocol
- Trauma of the hand

Orthopedics

- Humeral non-union
- Elbow: early revision and treatment of stiffness
- Lengthening procedures in the radius and ulna
- Corrective osteotomies in the distal radius
- Orthopaedic procedures in the hand

Addressees

Surgeons who have attended a Basic External Fixation Programme and show a specific interest in the subject.

Practical Sessions

- Antegrade and retrograde humeral nailing
- Humeral fractures treated with external fixation
- Treatment of humeral non-union
- Distal radius fracture
- Fracture/dislocations of the elbow
- Hand fractures
- Elbow stiffness
- Corrective osteotomies of the distal radius
- Practical sessions on anatomical specimens (**only** May 26 -27)

Products

- Centronail Humerus
- XCaliber
- ProCallus
- LRS
- Elbow Fixator
- Wrist Fixator
- Mini Fixators



Tibia & Foot

March	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
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September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
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Objectives

Understand the influence of the soft tissues on complications in treatment. Application of a strategy using minimally invasive surgery in order to minimise problems in acute and elective scenarios.

Venue

Mar 21-23
Royal College for Surgeons
London
UK

Sept 12 - 14
Department of Anatomy,
Histology and Embryology,
Division of Clinical and Functional
Anatomy
Innsbruck
Austria

Addressees

Surgeons who have attended a Basic External Fixation Programme and show a specific interest in the subject.

Contents

Acute

- Open Fractures
 - Principles
 - Temporary Stabilization
 - Definitive Stabilization
- Peri-Articular Fractures
 - Principles
 - Plateau
 - Pilon
- Calcaneal Fractures
- Midfoot Fractures

Elective

- Management of Union Deficiency with or without Bone Loss
 - Non-Union without Bone Deficiency
 - Non-Union with Bone Deficiency
- Deformities above the Ankle
 - Midshaft Malunion
 - Distal Tibial Malunion (this session will deal also with equinus and pathologies requiring ankle distraction)
- Foot Deformities
 - Midfoot
 - Hindfoot

Practical Sessions

- Temporary fixation of the tibia
- Treatment of bone loss
- Tibial diaphyseal fractures treated with intramedullary nailing
- Tibial plateau fractures treated with external fixation
- Pilon fractures treated with external fixation
- Angular correction with a monolateral external fixator
- Planning a deformity correction and application of a circular frame
- Foot fractures and deformities treated with external fixation
- Practical sessions on anatomical specimens

Products

- Prefix
- XCaliber
- LRS
- TrueLok™
- CentroNail Tibia
- Mini Fixators



Paediatric

April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
November	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Objectives

Paediatric indications treated with External and Internal Fixation.

Venue

Orthofix Education Centre
Verona
Italy

Addressees

Surgeons who have attended a Basic External Fixation Programme and show a specific interest in the subject.

Contents

Lower Limb

- External fixation in children: basic principles
- Callotasis. principles, techniques and results
- Lengthening using an internal skeletal kinetic distractor (ISKD)
- Reconstruction in congenital and acquired deformities
- Lengthening and deformity correction in the tibia using circular frames
- Trauma of the lower limb in children

Upper Limb

- Paediatric trauma of the upper limb
- The management of elbow stiffness in children
- Forearm lengthening and axis correction in children

Practical Sessions

- Tibial lengthening
- Angular correction with a monolateral external fixator
- Planning a deformity correction and application of a circular frame
- Elbow stiffness
- Fractures treated with external fixation

Products

- LRS
- TrueLok™
- ISKD
- Eight-Plate
- Elbow Fixator
- Prefix

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