

AOTrauma Europe Masters Course—Malunion and Nonunion (Course with Anatomical Specimen Dissection)

27 Jun 2019 - 28 Jun 2019, Vienna, Austria

Thursday, 27 Jun 2019 (Day 1)					
Start	End	Title	Moderators/Faculty	Location/Documents	Duration
08:00	08:30	Other Participant registration			30
08:30	08:45	Opening remarks Welcome and introduction to the course	Aleksas Makulavicius; Steven Velkes		15
08:45	12:30	Module 1: Normal and pathological bone healing	Steven Velkes		225
08:45	09:30	Lecture Unified theory of bone healing	David Elliott		45
09:30	09:50	Discussion Case-based discussion—the recognition, evaluation and principles of treatment			20
09:50	10:10	Discussion Case-based discussion—hypertrophic nonunion—atrophic and oligotrophic nonunion	Iztok Gril; Aleksas Makulavicius; Leonid Solomin		20
10:10	10:15	Discussion Question and answer session	Rohit Arora; David Elliott; Panagiotis Giannoudis; Iztok Gril; Aleksas Makulavicius; Christian Snyckers; Leonid Solomin; Steven Velkes		5
10:15	10:30	COFFEE BREAK			15
10:30	11:15	Workshop Practical exercise 1 Preoperative planning of proximal femoral osteotomy for nonunion of femoral neck fractures (S Velkes)	Rohit Arora; David Elliott; Panagiotis Giannoudis; Iztok Gril; Aleksas Makulavicius; Christian Snyckers; Leonid Solomin; Steven Velkes		45
11:15	12:30	Workshop (cadaver) Anatomical specimen laboratory 1 Blade plate for osteotomy in proximal femur (S Velkes)	Rohit Arora; David Elliott; Panagiotis Giannoudis; Iztok Gril; Aleksas Makulavicius; Christian Snyckers; Leonid Solomin; Steven Velkes		75

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
12:30	13:30	LUNCH BREAK			60
13:30	18:10	Module 2: Complicated nonunions	Aleksas Makulavicius		280
13:30	13:45	Lecture Treatment options of severe bone loss	Rohit Arora		15
13:45	14:00	Lecture Treatment strategies of periprosthetic nonunion	Panagiotis Giannoudis		15
14:00	14:15	Lecture Treatment strategies of infected nonunion	Christian Snyckers		15
14:15	14:30	Discussion Case-based discussion— bone transport with external fixator	Leonid Solomin		15
14:30	14:45	Discussion Case-based discussion—bone transport over plate	Steven Velkes		15
14:45	15:00	Discussion Case-based discussion—bone transport over nail	Iztok Gril		15
15:00	15:15	Lecture Case-based discussion— Masquelet technique	Christian Snyckers		15
15:15	16:00	Debate What I would have like to have known 15 years ago	David Elliott; Christian Snyckers		45
16:00	16:20	COFFEE BREAK			20
16:20	18:00	Workshop (cadaver) Anatomical specimen laboratory 2 Application of ring fixator to the tibia (L Solomin)	Rohit Arora; David Elliott; Panagiotis Giannoudis; Iztok Gril; Aleksas Makulavicius; Christian Snyckers; Leonid Solomin; Steven Velkes		100

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
18:00	18:10	Closing remarks Summary of the day, evaluation, and closing remarks	Aleksas Makulavicius; Steven Velkes		10

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Friday, 28 Jun 2019 (Day 2)					
Start	End	Title	Moderators/Faculty	Location/Documents	Duration
08:00	12:00	Module 3: Principles of posttraumatic deformity evaluation and correction	Panagiotis Giannoudis		240
08:00	08:30	Lecture Evaluation of the lower limb deformities	Leonid Solomin		30
08:30	08:45	Discussion Case-based discussion—diaphyseal malunions	Rohit Arora		15
08:45	09:00	Discussion Case-based discussion—on stage corrections	David Elliott		15
09:00	09:15	Discussion Case-based discussion—gradual correction	Leonid Solomin		15
09:15	09:30	Discussion Case-based discussion—metaphyseal and intraarticular malunion	Christian Snyckers		15
09:30	10:00	Discussion (small group) Discussion group 1	Rohit Arora; David Elliott; Panagiotis Giannoudis; Iztok Gril; Aleksas Makulavicius; Christian Snyckers; Leonid Solomin; Steven Velkes		30
10:00	10:30	COFFEE BREAK			30
10:30	11:15	Workshop Practical exercise 2 Preoperative planning of multiplanar deformity distal femur			45

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Friday, 28 Jun 2019 (Day 2)						
Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
11:15	12:00	Workshop (cadaver) Anatomical specimen laboratory 2 Osteotomy and blade plate fixation of distal femoral malunion (D Elliott)	Rohit Arora; David Elliott; Panagiotis Giannoudis; Iztok Gril; Aleksas Makulavicius; Christian Snyckers; Leonid Solomin; Steven Velkes		45	
12:00	13:00	LUNCH BREAK			60	
13:00	16:10	Module 4: Malunions of lower extremity	David Elliott		190	
13:00	13:15	Discussion Case-based discussion—proximal femoral malunions	Rohit Arora		15	
13:15	13:30	Discussion Case-based discussion—diaphysis—clam shell osteotomy	Steven Velkes		15	
13:30	13:45	Discussion Case-based discussion—proximal tibial malunions	Iztok Gril		15	
13:45	14:00	Discussion Case-based discussion—distal tibial malunions	Aleksas Makulavicius		15	
14:00	14:15	Discussion Case-based discussion—intraarticular ankle and malleolar malunions	Aleksas Makulavicius		15	
14:15	14:30	COFFEE BREAK			15	
14:30	16:00	Workshop (cadaver) Anatomical specimen laboratory 3 Distal tibial and fibular supramalleolar osteotomy for varus malunion	Aleksas Makulavicius		90	

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
16:00	16:10	Closing remarks Summary of the day, evaluation, closing remarks, and distribution of certificates	Aleksas Makulavicius; Steven Velkes		10