



AO Trauma Course—Advanced Principles of Fracture Management

Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

Learning objectives

Apply reduction techniques in fracture management with attention to soft tissues

Assess and treat complex diaphyseal and (per) articular fractures

Demonstrate strategies for assessing and treating open fractures and soft-tissue injuries

Initiate appropriate management for patient with pelvic injuries and polytrauma

Recognize complications and manage these accordingly



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Monday, 12 Oct 2020 (Day 1)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
09:00	09:15	Opening remarks Welcome and introduction	An Sermon		15	
09:15	10:10	Module 1 : Review of the principles and new techniques Contributor instructions: Moderator during module 1 - Pieter Monteban	Pieter Monteban		55	
09:15	09:30	Lecture Review of the principles of fracture management	Guy Putzeys		15	
09:30	09:45	Lecture Clinical applications of locked plating	Francois Carlier		15	
09:45	10:00	Lecture Minimally invasive osteosynthesis (MIO)—minimizing surgical footprints	Dan Putineanu		15	
10:00	10:10	Discussion & decision Summary and Q & A	Pieter Monteban		10	
10:10	10:30	Coffee Break			20	

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Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
10:30	12:10	Workshop (dry bone) Practical exercise 1 + SGD 1 - Reduction Techniques Contributor instructions: Practical director = An Sermon Table leads = Table 1 : Guy Putzeys Table 2 : François Carlier Table 3 : Pieter Monteban Table 4 : Dan Putineanu Table 5 : Wim Vandesande	Francois Carlier; Pieter Monteban; Dan Putineanu; Guy Putzeys; An Sermon; wim vandesande		100
12:10	13:10	Lunch			60
13:10	14:40	Module 2: Injuries of the upper limb Contributor instructions: Moderator during module 2 = Wim Vandesande	wim vandesande		90
13:10	13:25	Lecture Proximal humeral fractures—to fix, replace, or treat non-operatively ?	Pieter Monteban		15
13:25	13:40	Lecture Distal humerus—intraarticular fractures and complications	Torsten Gerich		15
13:40	13:55	Lecture Fracture dislocation of the elbow	Pieter Monteban		15
13:55	14:10	Lecture Distal radial fractures	wim vandesande		15

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Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
14:10	14:30	Lecture Case based lecture: fractures of the upper limb	Dan Putineanu		20	
14:30	14:40	Discussion & decision Summary and Q&A	wim vandesande		10	
14:40	14:45	Location change to practical exercises				5
14:45	16:05	Workshop (dry bone) Practical exercise 2: Fixation of a four-fragment fracture in the proximal humerus using a proximal humeral interlocking system (PHILOS) plate Contributor instructions: Practical director exercise 2 = Pieter Monteban Table leads = Table 1 : Guy Putzeys Table 2 : François Carlier Table 3 : Torsten Gerich Table 4 : Dan Putineanu Table 5 : Wim Vandesande	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; wim vandesande		80	
16:05	16:25	Coffeebreak				20
16:25	17:25	Discussion Pannel discussion: upper + lower limb	Pol Rommens		60	
17:25	17:30	Location change to small group discussions				5



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Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

Monday, 12 Oct 2020 (Day 1)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
17:30	18:45	Discussion (small group) Small group discussion 2 : Upper extremity fractures—decision-making and methods of stabilization Contributor instructions: Discussion Group A = Guy Putzeys & François Carlier Discussion Group B = Torsten Gerich & Pieter Monteban Discussion Group C : Dan Putineanu & Wim Vandesande	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; wim vandesande		75	
18:45	18:45				0	

AO Trauma Course—Advanced Principles of Fracture Management

Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

Tuesday, 13 Oct 2020 (Day 2)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration
08:00	09:30	Workshop (dry bone) Practical exercise 3 : Fixation of a distal humeral fracture 13C3 using a VA-LCP distal humeral plate Contributor instructions: Practical director exercise 3 = Torsten Gerich Table leads = Table 1 : Guy Putzeys Table 2 : François Carlier Table 3 : Pieter Monteban Table 4 : Dan Putineanu Table 5 : Wim Vandesande	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; wim vandesande		90
09:30	09:50	Coffeebreak			20
09:50	11:00	Module 3: Injuries of the lower limb Contributor instructions: Moderator during module 3 = Pol Rommens	Pol Rommens		70
09:50	10:05	Lecture Femoral neck fractures—different patients, different problems	wim vandesande		15
10:05	10:20	Lecture Intertrochanteric fractures—treatment options and outcomes	Pieter Monteban		15
10:20	10:35	Lecture Current treatment options of subtrochanteric fractures	wim vandesande		15

AO Trauma Course—Advanced Principles of Fracture Management

Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

Tuesday, 13 Oct 2020 (Day 2)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
10:35	10:50	Presentation Distal femoral fractures - treatment options and outcomes	Francois Carlier		15	
10:50	11:00	Discussion & decision Summary and Q & A	Pol Rommens		10	
11:00	11:05	Location change to small group discussions			5	
11:05	12:35	Discussion (small group) Small group discussion 3 : Fractures of the femur Contributor instructions: Discussion Group A = Guy Putzeys & François Carlier Discussion Group B = Torsten Gerich & Pieter Monteban Discussion Group C : Dan Putineanu & Wim Vandesande	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; wim vandesande		90	
12:35	13:35	Lunch			60	

AO Trauma Course—Advanced Principles of Fracture Management

Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
13:35	15:05	Workshop (dry bone) Practical exercise 4 : Distal femur: fixation of an intraarticular type 33C2.1 fracture using an LCP distal femoral plate Contributor instructions: Practical director of the exercise = François Carlier Table leads = Table 1 : Guy Putzeys Table 2 : Torsten Gerich Table 3 : Pieter Monteban Table 4 : Dan Putineanu Table 5 : Wim Vandesande	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; wim vandesande		90
15:05	15:10	Location change to lecture hall			5
15:10	19:00				230
15:10	15:25	Lecture Complex tibial plateau fractures	Pol Rommens		15
15:25	15:40	Lecture Early and definitive treatment of pilon fractures	Dan Putineanu		15
15:40	16:00	Lecture Case based lecture: Articular fractures of the mid- and hindfoot	Dan Putineanu		20
16:00	16:10	Discussion & decision Summary and Q & A	Pol Rommens		10
16:10	16:30	Coffeebreak			20

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
16:30	17:50	Workshop (dry bone) "Practical exercise 5 : Bicondylar tibial plateau fracturesManagement of a type 41C3 bicondylar tibial plateau fracture using a VA-LCP proximal tibial plate Contributor instructions: Practical director of the exercise = Wim Vandesande Table leads = Table 1 : Guy Putzeys Table 2 : Torsten Gerich Table 3 : Pieter Monteban Table 4 : Dan Putineanu Table 5 : An Sermon	Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; An Sermon; wim vandesande		80
17:50	19:00				70
19:00	21:00	Coursedinner			120

AO Trauma Course—Advanced Principles of Fracture Management

Monday, 12 October 2020 - Wednesday, 14 October 2020, Spa, Belgium

Wednesday, 14 Oct 2020 (Day 3)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration
08:00	09:30	Workshop (dry bone) Practical exercise 6 : Management of a type 43C2.3 distal tibial fracture using an LCP distal tibial plate and an LCP one-third tubular plate Contributor instructions: Practical director of the exercise = Dan Putineanu Table leads = Table 1 : François Carlier Table 2 : Torsten Gerich Table 3 : Pol Rommens Table 4 : Pieter Monteban	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Pol Rommens; wim vandesande		90
09:30	09:50	Coffeebreak			20
09:50	11:05	Discussion (small group) Small group discussion 4:Fractures of the tibia, ankle and foot Contributor instructions: Discussion Group A = Guy Putzeys & François Carlier Discussion Group B = Torsten Gerich & Pieter Monteban Discussion Group C : Dan Putineanu & Wim Vandesande	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; wim vandesande		75
11:05	11:10	Location to lecture hall			5
11:10	12:05	Module 4 : Polytrauma, pelvis and acetabulum Contributor instructions: Moderator Module 4 = François Carlier	Francois Carlier		55

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
11:10	11:25	Lecture Evaluation and emergency management of pelvic ring injuries	Pol Rommens		15	
11:25	11:40	Lecture Management of multiple-injured patients (ETC/DCO/EAC)	Torsten Gerich		15	
11:40	11:55	Lecture Principles of acetabular fracture treatment	Guy Putzeys		15	
11:55	12:05	Discussion & decision Summary and Q & A	Francois Carlier		10	
12:05	13:00	Lunch			55	
13:00	14:05	Discussion (small group) Small group discussion 5 : Difficult fractures and polytrauma patients Contributor instructions: Discussion Group A = Guy Putzeys & François Carlier Discussion Group B = Torsten Gerich & Pieter Monteban Discussion Group C : Dan Putineanu & Wim Vandesande	Francois Carlier; Torsten Gerich; Pieter Monteban; Dan Putineanu; Guy Putzeys; wim vandesande		65	
14:05	14:10	Location change to lecture hall			5	
14:10	15:25	Module 5: Special situations and problems Contributor instructions: Moderator Module 5 = Torsten Gerich	Torsten Gerich		75	



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Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
14:10	14:25	Lecture Mangled extremity management	Francois Carlier		15	
14:25	14:40	Lecture Infection after osteosynthesis	Guy Putzeys		15	
14:40	14:55	Lecture Periprosthetic fractures	Torsten Gerich		15	
14:55	15:10	Lecture My lifelong journey with AO	Pol Rommens		15	
15:10	15:20	Discussion & decision Summary and Q & A	Torsten Gerich		10	
15:20	15:25	Closing remarks Closing remarks	An Sermon		5	