



Course program

AOTrauma Course—Basic Principles and Advanced Principles of Fracture Management

Self-Directed Learning Modules

Wednesday, December 7, 2016, Davos, Switzerland

Lecture hall: Davos and Aspen

Module moderators

Lower extremity	Reduction techniques	Upper extremity	Postoperative care/implant removal
G Della Rocca	S Mehta	M Camuso	S Kates

Faculty

Lower extremity

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Reduction techniques

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Upper extremity

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Postoperative care/implant removal

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Lower extremity

TIME	AGENDA ITEM	WHO
	LOCATION Davos	
Module	Approaches and positioning of the lower extremity Upon completion of this module , participants will be able to: • Describe the different ways to position patients for surgery of the lower extremity • Explain how to obtain imaging for intraoperative use • List the different surgical approaches used in trauma surgery for the lower extremity and their indications • Explain the limitations of exposures for the different approaches of the lower extremity	Moderator: G Della Rocca
08:00–8:05	Introduction	G Della Rocca
08:05–08:20	Soft tissue in trauma	T Slongo
08:20–08:50	Approaches to the hip • Kocher • Anterior--Smith Peterson • Lateral--Watson Jones	D Hahn
08:50–09:00	Approaches to the femoral shaft • Lateral extensile	C Olarte Salazar
09:00–09:20	Supine approaches to the knee • Anterolateral • Medial	J Gary
09:20–09:40	Prone approaches to the knee • Posteromedial • Direct posterior	G Della Rocca
09:40–10:00	Approaches to the ankle • Anterolateral • Posteromedial	D Desai
10:00–10:30	COFFEE BREAK	
10:30–11:30	Demonstration of supine, prone, and lateral positions for lower extremity surgery with intraoperative imaging	R Pesantez-Hoyos
11:30–12:00	Questions and closing remarks	G Della Rocca
12:00–13:30	LUNCH	

Reduction techniques

TIME	AGENDA ITEM	WHO
	LOCATION Aspen	
Module	Reduction techniques and methods Upon completion of this module, participants will be able to: • Explain forces of displacement and how to counteract • Define types of reduction and explain indications for each • List tools for reduction and their functions • Recall methods of verifying reduction intraoperatively • Demonstrate examples of reduction techniques in diaphyseal and articular fractures	Moderator: S Mehta
08:00–08:05	Introduction	S Mehta
08:05–08:25	Distraction, muscle vectors, displacement forces, and ligamento-taxis	E Carroll
08:25–08:45	Types of reduction	M Richardson
08:45–09:00	Tools of reduction	M Odat
09:00–09:20	COFFEE BREAK	
09:20–09:45	Intraoperative image intensifier—structured approach and systematic education	R Wright
09:45–10:00	Reduction of diaphyseal fractures	A Alyami
10:00–10:20	Reduction of articular fractures	R Neiman
10:20–11:10	Case discussion of reduction examples Bone models and reduction clamps	P Guy
11:10–12:00	Questions/discussion	S Mehta
12:00–13:30	LUNCH	

Upper extremity

TIME	AGENDA ITEM	WHO
	LOCATION Davos	
Module	Approaches and positioning of the upper extremity Upon completion of this module, participants will be able to: • Describe the different ways to position patients for surgery of the upper extremity • Apply the different surgical approaches used for the upper extremity based on their indications • List structures at risk for the different surgical exposures • Recognize the limitations of the different surgical exposures of the upper extremity • Explain how to obtain intraoperative imaging	M Camuso
13:30–13:35	Introduction	M Camuso
13:35–13:45	Soft tissue in upper extremity trauma	H Hoyer
13:45–14:10	Approaches to the shoulder • Delto-pectoral • Deltoid split	G Beadel
14:10–14:35	Approaches to the humerus • Anterolateral • Posterior	D Rikli
14:35–15:00	Approaches to the elbow • Kocher • Medial	C Ekholm
15:00–15:20	Approaches to the forearm • Volar/Henry • Dorsal/Thompson	B Crist
15:20–15:40	Approaches to the distal radius • FCR • Dorsal	H Hoyer
15:40–16:10	COFFEE BREAK	
16:10–17:10	Demonstration of supine, prone, beach chair, and lateral positions for upper extremity surgery with intraoperative imaging	R Pesantez-Hoyos
17:10–17:30	Questions and closing remarks	M Camuso

Postoperative care/implant removal

TIME	AGENDA ITEM	WHO
	LOCATION Aspen	
Module	Postoperative care—the patient and the surgeon, what to expect and do Upon completion of this module, participants will be able to: • Identify different methods of postoperative care following fracture fixation • Select proper postoperative care according to individual needs of patients • Recognize the indications and contraindications for implant removal • Describe the risks and difficulties of implant removal • Apply tips and tricks for implant removal in difficult situations (broken hardware)	S Kates
13:30–13:35	Introduction	S Kates
13:35–13:50	Postoperative pain management and delirium - review of our practice	M Kremli
13:50–14:05	Early mobilization in the first postoperative days: why do we do it?	J Bishop
14:05–14:20	Principles of early rehabilitation	R Mosheiff
14:20–14:35	Orthoses and other supports for trauma patients • Principles and indications • Case examples	A Sitnik
14:35–14:50	Weight bearing after open reduction and internal fixation • Upper extremity • Pelvis and Lower extremity	R Vaidya
14:50–15:05	Follow-up after open reduction and internal fixation	A Ekman
15:05–15:15	Questions and answers	S Kates
15:15–15:45	COFFEE BREAK	
15:45–16:00	Implant removal: why and when?	SB Han
16:00–16:15	Implant removal—tips and tricks	J Lee
16:15–17:15	Implant removal case presentation/discussion with participants	M Hatton
17:15–17:30	Summary, questions, and closing remarks	S Kates