

# AO Trauma Course - Advanced Principles of Fracture Management

Day 1: Thursday, August 25, 2022

Time	Topic	Who
Opening		
9:00	9:10 Welcome and introduction	T Matsumura
Review of the principles and new techniques		Moderator: T Matsumura
9:10	9:25 Review of the principles of fracture management	T Sato
9:25	9:40 Clinical applications for locked plating	T Sawaguchi
9:40	9:55 Tissue vitality and effect of injury	F Kanaya
9:55	10:10 The 2018 AO/OTA Fracture and Dislocation Classification update	T Doi
10:10	10:25 Fracture reduction	T Matsumura
10:25	10:40 Minimally invasive osteosynthesis (MIO)—minimizing surgical footprints	T Mae
10:40	10:50 Summary and Q&A	
10:50	11:10 <i>COFFEE BREAK</i>	
11:10	12:30 <b>Small group discussion 1:</b> Reduction techniques—concepts and application	A: Place JW Kim, E Shoda B: Place Don Wu, T Sato C: Place M Schuetz, T Sawaguchi D: Place T Mae E: Place T Doi, F Kanaya F: Place T Matsumura
12:30	13:20 <i>LUNCH BREAK</i>	
Injuries of the upper limb		Moderator: F Kanaya
13:20	13:40 Fractures of the scapula: indication for surgery and methods of fixation	Don Wu
13:40	13:55 Fractures of the clavicle: when and how to operate—indications and methods of fixation	M Schuetz
13:55	14:10 Proximal humeral fractures—to fix, replace, or treat nonoperatively?	E Shoda
14:10	14:25 Complex humeral shaft fractures	T Matsumura
14:25	14:40 Distal humerus—intraarticular fractures and complications	F Kanaya
14:40	14:55 Fracture dislocation of the elbow	T Matsumura
14:55	15:10 Distal radial fractures	F Kanaya
15:10	15:20 Summary and Q&A	
15:20	15:40 <i>COFFEE BREAK</i>	
15:40	16:55 <b>Small group discussion 2:</b> Upper extremity fractures—decision-making and methods of stabilization	A: Place T Doi B: Place JW Kim, T Sawaguchi C: Place Don Wu, E Shoda D: Place M Schuetz, T Matsumura E: Place T Sato F: Place F Kanaya, T Mae
16:55	17:05 <i>Location change to practicals</i>	
17:05	18:25 <b>Practical exercise 1:</b> Fixation of a four-fragment fracture in the proximal humerus using a proximal humeral interlocking system (PHILOS) plate	T Matsumura
18:25	<i>End of day 1</i>	

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## Day 2: Friday, August 26, 2022

Time	Topic	Who
	Injuries of the lower limb	Moderator: E Shoda
8:00	8:15 Femoral neck fractures—different patients, different problems	T Sawaguchi
8:15	8:30 Intertrochanteric fractures—treatment options and outcomes	E Shoda
8:30	8:45 Current treatment and options of subtrochanteric fractures	JW Kim
8:45	9:00 Femoral shaft fractures	T Doi
9:00	9:15 Distal femoral fractures—treatment options and outcomes	JW Kim
9:15	9:25 Summary and Q&A	
9:25	9:30 <i>Location change to practicals</i>	
9:30	10:50 <b>Practical exercise 2:</b> Distal femur: fixation of an intraarticular type 33C2.1 fracture using an LCP distal femoral plate	T Mae
10:50	11:10 <i>COFFEE BREAK</i>	
11:10	12:30 <b>Small group discussion 3:</b> Fractures of the femur	A: Place T Sato B: Place T Doi, F Kanaya C: Place JW Kim, T Matsumura D: Place Don Wu, T Sawaguchi E: Place M Schuetz, T Mae F: Place E Shoda
12:30	13:20 <i>LUNCH BREAK</i>	
	Injuries of the lower limb 2	Moderator: T Mae
13:20	13:35 Complex tibial plateau fractures	T Sawaguchi
13:35	13:50 Tibial shaft fractures (proximal, distal, and segmental)	T Matsumura
13:50	14:05 Early and definitive treatment of pilon fractures	M Schuetz
14:05	14:20 Complex malleolar fractures	Don Wu
14:20	14:35 Calcaneal fractures—predicting and avoiding problems	T Sato
14:35	14:50 Talar neck fractures and complications	T Doi
14:50	15:05 Navicular and Lisfranc injuries and complications	T Mae
15:05	15:15 Summary and Q&A	
15:15	15:30 <i>COFFEE BREAK</i>	
15:30	16:45 <b>Small group discussion 4:</b> Fractures of the tibia, ankle, and foot	A: Place E Shoda, F Kanaya B: Place T Mae C: Place T Doi D: Place JW Kim, T Sato E: Place Don Wu, T Matsumura F: Place M Schuetz, T Sawaguchi
16:45	16:55 <i>Location change to practicals</i>	
16:55	18:15 <b>Practical exercise 3:</b> Management of a type 41C3 bicondylar tibial plateau fracture using an LCP	E Shoda
18:15	End of day 2	

# AO Trauma Course - Advanced Principles of Fracture Management

Day 3: Saturday, August 27, 2022

Time	Topic	Who
8:00 - 9:30	<b>Practical exercise 4:</b> Management of a type 43C2.3 distal tibial fracture using an LCP distal tibial plate and an LCP one-third tubular plate	T Doi
9:30 - 9:50	<i>COFFEE BREAK</i>	
	Polytrauma, pelvis, and acetabulum	Moderator: T Sawaguchi
9:50 - 10:05	Management of multiple-injured patients (ETC/DCO/EAC)	Don Wu
10:05 - 10:20	Evaluation and emergency management of pelvic ring injuries	T Mae
10:20 - 10:35	Fracture treatment of pelvic ring injuries	T Doi
10:35 - 10:55	Principles of acetabular fracture management	T Sawaguchi
10:55 - 11:05	Summary and Q&A	
11:05 - 11:10	<i>Location change to small group discussions</i>	
11:10 - 12:15	<b>Small group discussion 5:</b> Decision-making in difficult fractures and polytrauma patients	A: Place M Schuetz, T Sato B: Place T Sawaguchi C: Place T Mae D: Place T Doi, ( F Kanaya) E Place T Matsumura F: Place Don Wu, E Shoda
12:15 - 13:00	<i>LUNCH BREAK</i>	
	Special situations and problems	Moderator: T Sato
13:00 - 13:15	Principles of orthogeriatric fracture care (osteoporotic fractures)	E Shoda
13:15 - 13:30	Periprosthetic fractures	M Schuetz
13:30 - 13:45	Deep vein thrombosis (DVT) prophylaxis	T Sato
13:45 - 14:00	Bone grafts and bone graft substitutes to promote fracture union— options and outcomes	T Mae
14:00 - 14:15	Mangled extremity management	T Doi
14:15 - 14:30	Management of malunion	T Matsumura
14:30 - 14:45	Infection after osteosynthesis	JW Kim
14:45 - 15:00	Treatment of metaphyseal and diaphyseal nonunions	T Sato
15:00 - 15:40	Grand final discussion	T Sato, T Matsumura
15:40 - 15:45	Closing remarks	T Matsumura
15:45	End of the course	