

## AO Trauma Blended Course - Basic Principles of Fracture Management

### Face to Face Session: Okayama

#### Day 1: Saturday, February 5, 2022

Time	Topic	Who
11:00 - 12:00	Registration	
12:00 - 12:05	Opening remarks	T Sato
12:05 - 12:15	The AO world- from history to lifelong learning	T Sato
12:15 - 12:25	Recap from online modules part 1: Module 1-2	N Maegawa
12:25 - 12:35	Reduction technique	M Yorimitsu
12:35 - 12:45	Q&A	T Sato and others
12:45 - 12:50	<i>Change to PE room</i>	
12:50 - 13:45	Skills Lab (First 5 rounds) A. Torque measurement of bone screws (10) B. Soft-tissue penetration during drilling (10) C. Heat generation during drilling (10) D. Mechanics of bone fractures (10) E. Techniques of reduction I(10)	T Sato, T Doi T Mae, Y Zenke N Shiota, M Yorimitsu T Miyamoto, C Terada T Maehara, N Maegawa
13:45 - 14:00	Break	
14:00 - 14:55	Skills Lab (Second rounds) F. Techniques of reduction II (10) G. Mechanics of intramedullary fixation (10) H. Mechanics of plate fixation (10) J. Fracture healing and plate fixation (10) K. Damaged implant removal (10)	T Sato, T Doi T Mae, Y Zenke N Shiota, M Yorimitsu T Miyamoto, C Terada T Maehara, N Maegawa
14:55 - 15:10	Break	
15:10 - 16:15	PE1: Internal fixation with screws and plates - absolute stability	T Mae
16:15 - 17:25	PE2: Principles of the internal fixator using the locking compression plate (LCP)	T Miyamoto
17:25 - 17:40	Break	
17:40 - 17:50	Recap from online modules part 2: Module 3-4	T Doi
17:50 - 18:00	Q&A	T Sato and others
18:00 - 18:05	<i>Change to PE room</i>	
18:05 - 18:15	Case presentation for PE3	N Shiota
18:15 - 19:25	PE3: Management of a trochanteric fracture (TFNA)	N Shiota
19:25	End of day 1	

Day 2: Sunday, February 6, 2022

Time	Topic	Who
8:00	8:05 Introduction to Day 2	T Mae
8:05	8:15 Forearm fractures - understanding the principles of diaphyseal and articular fractures	C Terada
8:15	8:25 Preoperative planning - rationale and how to do it	Y Zenke
8:25	8:35 Q&A	T Miyamoto and others
8:35	9:20 PE4: Preoperative planning - plan your operation	Y Zenke
9:20	9:25 <i>Change to PE rooms</i>	
9:25	10:25 PE5: Operate your plan	T Doi
10:25	10:50 Break	
10:50	11:00 Case presentation for PE6	N Maegawa
11:00	11:30 PE6: Tension band wiring of the olecranon	N Maegawa
11:30	11:40 Case presentation for PE7	T Maehara
11:40	12:40 PE7: Management of a type 44C malleolar fracture	T Maehara
12:40	13:25 Lunch Break	
13:25	13:35 Case presentation for PE8	M Yorimitsu
13:35	14:35 PE8: Intramedullary (IM) nailing (tibial)	M Yorimitsu
14:35	14:50 Break	
14:50	15:00 Recap from online module 5-6	T Maehara
15:00	15:10 Minimally invasive osteosynthesis (MIO) - when to use it?	T Mae
15:10	15:20 Violation of principles	T Miyamoto
15:20	15:30 Q&A	N Shiota and others
15:30	15:35 <i>Change to PE room</i>	
15:35	15:45 Case presentation for PE9	C Terada
15:45	16:25 PE9: Application of a modular large external fixator (Tibia)	C Terada
16:25	16:30 End of day 2 and course / Closing remarks	T Sato