

## AO Trauma Course - Basic Principles of Fracture Management for ORP

### Day 1: Saturday, August 27, 2022

Time	Topic	Who
	Opening	
12:30	12:40 Welcome and introduction ORPコースへようこそ	A Hanabayashi
	About AO	Moderator: A Hanabayashi, Y Shibata
12:40	12:55 The AO world - from history to lifelong learning AO財団の歴史と活動	M Yorimitsu
	General principles	Moderator: A Hanabayashi, Y Shibata
12:55	13:15 Bone anatomy and healing 骨癒合形態と固定法との関係について	Y Zenke
13:15	13:35 Principles of fracture fixation 骨折治療の原則	A Hanabayashi
13:35	13:55 How to read x-rays 単純X線写真の読影	S Kitada
13:55	14:10 AO fracture classification AO骨折分類	Y Zenke
14:10	14:30 Characteristics of x-rays X線の特徴と被曝予防	H Akamatsu
14:30	14:45 <b>COFFEE BREAK</b>	
		Moderator: S Kitada, K Obara
14:45	15:05 Reduction tools and techniques 整復器具とテクニック	S Kitada
15:05	15:25 Screws – form and function スクリューの形状と機能	M Ukaji
15:25	15:50 Plates – form and function プレートの形状と機能	T Fujiwara
15:50	16:10 Principles of tension band wiring テンションバンドの原理	A Hanabayashi
16:10	16:30 Osteosynthesis involving a joint 関節内骨折の治療原則	Y Zenke
16:30	16:50 Implant removal インプラントの抜去	Y Shibata
16:50	17:00 <b>COFFEE BREAK</b>	
17:00	18:00 <b>AO Skills Lab (60 min)</b>	
	B: Soft tissue penetration during drilling ドリリング時の軟部組織損傷について	Y Zenke, M Ukaji
	C: Heat generation during drilling ドリリング時の熱発生について	M Yorimitsu, Y Shibata
	F: Techniques of reduction 各種の整復器具	K Matsui, K Obara
	K: Difficult implant removal インプラント抜去困難時の対応	A Hanabayashi, T Fujiwara
18:00	18:05 <i>Location change to lecture room</i>	
18:05	18:25 What have I learned? (Reflection) 質疑応答と理解度確認	Y Shibata
18:25	End of Day 1	

# AO Trauma Course - Basic Principles of Fracture Management for ORP

## Day 2: Sunday, August 28, 2022

Time	Topic	Who
8:00	8:05 Brief review day 1 ("Warming up" exercise) 昨日の振り返り	Y Shibata
	General principles	Moderator: A Hanabayashi
8:05	8:25 Preparation of osteosynthesis using screw and plate スクリュー、プレートを用いた内固定準備の実際	K Matsui
8:25	8:30 <i>Interval</i>	
8:30	9:25 <b>Small group discussion 1</b> Safety management - infection control etc. 手術室における安全管理	M Ukaji, Y Shibata A: A Hanabayashi B: M Ukaji C: Y Shibata D: K Obara E: H Akamatsu F: K Matsui
9:25	9:45 <b>COFFEE BREAK</b>	
9:45	10:45 <b>Practical exercise 1</b> Internal fixation with screws and plate - absolute stability スクリュー、プレートを用いた内固定 - 絶対的安定性	K Matsui, T Fujiwara
10:45	10:50 <i>Location change to lecture room</i>	
		Moderator: Y Zenke, M Ukaji
10:50	11:10 Principles of LCP (Locking Compression Plate) LCP (ロッキングプレート) の原理	M Yorimitsu
11:10	11:30 Fracture fixation using locking plates LCP (ロッキングプレート) の実際	K Obara
11:30	12:15 <b>LUNCH BREAK</b>	
12:15	12:45 <b>Small group discussion 2</b> Peri-operative preparation for an osteosynthesis of a distal femoral fracture 大腿骨遠位部骨折内固定のための術前・術中準備	A Hanabayashi A: H Akamatsu B: M Yorimitsu C: M Ukaji D: Y Shibata E: T Fujiwara F: A Hanabayashi
12:45	13:05 Group presentation グループ発表	
13:05	13:10 <i>Location change to practicals</i>	
13:10	14:10 <b>Practical exercise 2</b> Internal fixation of distal tibia fracture using a locking compression plate LCP - 脛骨遠位部骨折の内固定	A Hanabayashi, K Obara
14:10	14:15 <i>Location change to lecture room</i>	
		Moderator: A Hanabayashi, H Akamatsu
14:15	14:35 Principle of intramedullary nailing 髓内釘固定の原理	S Kitada
14:35	14:55 Preparation of intramedullary nailing 髓内釘固定の実際	Y Zenke
14:55	15:15 <b>COFFEE BREAK</b>	
15:15	15:45 <b>Small group discussion 3</b> Peri-operative preparation for an osteosynthesis of a tibial shaft fracture 骨幹部骨折内固定のための術前・術中準備	S Kitada A: M Ukaji B: S Kitada C: K Obara D: T Fujiwara E: K Matsui F: H Akamatsu
15:45	16:00 Group presentation グループ発表	
16:00	16:15 <b>BREAK</b>	
16:15	17:15 <b>Practical exercise 3</b> Intramedullary nailing of a tibia shaft with reaming 脛骨の髓内釘固定	S Kitada, M Ukaji
17:15	17:20 <i>Location change to lecture room</i>	
17:20	17:40 What have I learned? (Reflection) 質疑応答と理解度確認	Y Shibata
17:40	End of Day 2	

# AO Trauma Course - Basic Principles of Fracture Management for ORP

## Day 3: Monday, August 29, 2022

Time	Topic	Who
8:30	8:35 Brief review day 2 昨日の振り返り	M Ukaji
		Moderator: K Matsui, T Fujiwara
8:35	8:50 Principles of external fixation 創外固定法の原理	S Kitada
8:50	9:05 Preparation of external fixation 創外固定法の準備と実際	M Yorimitsu
9:05	9:10 <i>Location change to practicals</i>	
9:10	10:00 <b>Practical exercise 4</b> External fixation of a tibia shaft fracture 脛骨骨幹部骨折の創外固定法	M Yorimitsu, H Akamatsu
10:00	10:20 <b>COFFEE BREAK</b>	
		Moderator: M Yorimitsu, K Obara
10:20	10:40 Open fractures 開放骨折の治療方針	K Matsui
10:40	11:00 Compartment Syndrome コンパートメント症候群の診断・治療	M Yorimitsu
11:00	11:20 About AO Trauma AO Trauma について	A Hanabayashi
		Moderator: A Hanabayashi, M Ukaji
11:20	11:40 Principle of proximal femoral fractures 大腿骨近位部骨折の治療原則	M Ukaji
11:40	11:55 Osteosynthesis of femoral neck fractures 大腿骨頸部骨折に対する骨接合の実際	K Matsui
11:55	12:15 Osteosynthesis of Per-and intertrochanteric fractures 大腿骨転子部骨折に対する骨接合の準備と実際	K Matsui
12:15	13:15 <b>LUNCH BREAK</b>	
13:15	13:50 <b>Small group discussion 4</b> Peri-operative preparation for an osteosynthesis of a proximal femoral fracture 大腿骨近位部骨折内固定のための術前・術中準備	Y Zenke A: Y Shibata B: K Obara C: S Kitada D: Y Zenke E: A Hanabayashi F: T Fujiwara
13:50	14:05 Group presentation グループ発表	
14:05	14:15 <i>Location change to practicals</i>	
14:15	15:15 <b>Practical exercise 5</b> Internal fixation of a proximal femoral fracture (TFNA) 大腿骨転子部骨折の内固定	Y Zenke, Y Shibata
15:15	15:20 <i>Location change to lecture room</i>	
15:20	15:40 What have I learned? Quiz (Reflection) 質疑応答 理解度確認のためのクイズ	A Hanabayashi
15:40	15:55 Final question and discussion 最終質問	K Matsui, K Obara
15:55	16:00 Closing remarks - handing out of certificat 閉会のあいさつ - 修了証授与	A Hanabayashi
16:00	End of the course	