



AOTr: AOTrauma Course - Managing Pediatric Musculoskeletal Injuries

Day 1: Thursday, July 7, 2022

Time	Duration	Topic	Who	
Opening				
9:00	9:10	10	Welcome and introduction	T Sato
Module 1				Moderator: T Sato
9:10	9:25	15	Plenary session—Warm-up cases	T Slongo
9:25	9:45	20	Lecture—The influence of growth & modeling in pediatric fractures	N Kaiser
9:45	10:05	20	Lecture—What is our acceptable standard of treatment? Are we there yet? How can we improve?	T Slongo
10:05	10:25	20	Lecture—Patient safety essential to the management of pediatric patients	A Aroojis
Module 2				Moderator: T Matsumura
10:25	10:45	20	Lecture—Optimizing investigations for children	T Slongo
10:45	11:00	15	Lecture—The AO Pediatric Comprehensive Classification of Long-Bone Fractures (PCCF) and the AO Comprehensive Injury Automatic Classifier (AOCOIAC)	T Miyamoto
11:00	11:15	15	<i>Coffee break</i>	
Module 3				Moderator: T Miyamoto
11:15	11:35	20	Lecture—Choice of technique/method according to age, bone segment, development, and available infrastructure	TBD
11:35	12:15	40	Open small group discussions —Clinical decision making	Group A: H Minehara, K Futamura Group B: T Matsumura, Y Ueda Group C: T Miyamoto, T Sato
12:15	12:25	10	Plenary session—Summaries from each table	H Minehara
12:25	13:15	50	<i>Lunch</i>	
Module 4a				Moderator: H Minehara
13:15	13:30	15	Plenary session—ARS warm-up cases	T Matsumura
13:30	13:45	15	Lecture - Proximal femoral fracture	T Sato
13:45	14:15	30	Lecture—History / basic principles and technique of Elastic Stable Intramedullary Nailing in Children (ESIN)	T Slongo
14:15	15:35	80	Practical exercise 1 ESIN in the femur: retrograde and anterograde techniques	T Slongo
15:35	15:45	10	Q&A from participants	
15:45	16:00	15	<i>Coffee break</i>	

Module 4b		Lower limb—Femur fractures		Moderator: T Sato
16:00	16:45	45	Focused small group discussions —Treating femur fractures in children and adolescents	Group A: N Kaiser, T Miyamoto, T Sato Group B: A Aroojis, H Minehara, K Futamura Group C: T Slongo, T Matsumura, Y Ueda
16:45	16:55	10	Lecture—Summary	T Sato
16:55	<i>End of 1st day</i>			

Day 2: Friday, July 8, 2022

Time	Time	Duration	Topic	Who
Module 5			Lower limb—Knee injuries	Moderator: Y Ueda
8:00	8:15	15	Lecture - Guidelines for treating knee injuries	A Aroojis
8:15	8:25	10	Plenary session—ARS warm-up cases	N Kaiser
8:25	9:10	45	Focused small group discussions —Treating knee injuries in children of different ages	Group A: T Miyamoto, Y Ueda Group B: H Minehara, T Sato Group C: T Matsumura, K Futamura
9:10	9:20	10	Plenary session—ARS reevaluation of warm-up cases	N Kaiser
9:20	9:35	15	Lecture—Summary of knee injuries	T Matsumura
Module 6			Lower limb—Tibia, fibula, and ankle injuries	Moderator: T Matsumura
9:35	9:45	10	Plenary session—ARS warm-up cases	H Minehara
9:45	10:00	15	Lecture—Tibial diaphysis	A Aroojis
10:00	10:15	15	Lecture—Distal tibial fractures	T Slongo
10:15	10:25	10	Plenary session—ARS reevaluation of warm-up cases	H Minehara
10:25	10:35	10	Q&A	
10:35	10:50	15	<i>Coffee break</i>	
10:50	11:30	40	Practical exercise 2 Triplane fractures	T Miyamoto
Module 7			Entire lower limb	Moderator: T Miyamoto
11:30	12:30	60	Open small group discussions —Pediatric lower limb injuries	Group A: T Matsumura, K Futamura Group B: T Miyamoto, Y Ueda Group C: H Minehara, T Sato
12:30	12:40	10	Plenary session—Summaries from each table	T Miyamoto
12:40	13:20	40	<i>Lunch</i>	
Module 8			Upper limb—Shoulder and humerus	Moderator: K Futamura
13:20	13:30	10	Plenary session—ARS warm-up cases	A Aroojis
13:30	14:00	30	Focused small group discussions —Shoulder girdle and humerus	Group A: H Minehara, T Sato Group B: T Matsumura, K Futamura Group C: T Miyamoto, Y Ueda
14:00	14:10	10	Plenary session—ARS reevaluation of warm-up cases	A Aroojis
14:10	14:25	15	Lecture—Humeral shaft fractures	N Kaiser

Module 9			Upper limb—Supracondylar fractures	Moderator: H Minehara
14:25	14:35	10	Plenary session—ARS warm-up cases	A Aroojis
14:35	15:35	60	Focused small group discussions —Supracondylar fractures	Group A: T Slongo, T Matsumura, Y Ueda Group B: N Kaiser, T Miyamoto, T Sato Group C: A Aroojis, H Minehara, K Futamura
15:35	15:55	20	Lecture—Supracondylar fractures	A Aroojis
15:55	16:05	10	Plenary session—ARS reevaluation of warm-up cases	A Aroojis
16:05	16:15	10	Lecture—Summary of module	H Minehara
16:15	16:25	10	Q&A	
16:25	16:40	15	<i>Coffee break</i>	
16:40	17:40	60	Practical exercise 3 Supracondylar fractures	T Slongo
Module 10			Upper limb—Other elbow injuries	Moderator: T Sato
17:40	17:50	10	Monteggia lesion	T Slongo
17:50	18:10	20	Plenary discussion-Non-union, malunion, growth arrest, missed Monteggia lesion	T Sato
18:10	18:20	10	Q&A	
18:20	End of day 2			

Day 3: Saturday, July 9, 2022

Time	Time	Duration	Topic	Who
Module 11			Upper limb—Forearm and wrist fractures	Moderator: T Matsumura
8:00	8:10	10	Plenary session—ARS warm-up cases	H Minehara
8:10	8:25	15	Lecture—What is current (state-of-the-art) treatment?	T Slongo
8:25	9:10	45	Focused small group discussions —Treating forearm and wrist fractures	Group A: H Minehara, Y Ueda Group B: T Matsumura, Group C: K Futamura, T Sato
9:10	9:20	10	Plenary session—ARS reevaluation of warm-up cases	H Minehara
9:20	9:40	20	Lecture—Summary of module	T Matsumura
9:40	10:20	40	Practical exercise 4 Elastic nailing of forearm and radial neck fractures	T Matsumura
10:20	10:35	15	<i>Coffee break</i>	
Module 12			Entire upper limb	Moderator: H Minehara
10:35	11:35	60	Open small group discussions —Pediatric upper limb injuries	Group A: K Futamura, T Sato Group B: H Minehara, Y Ueda Group C: T Matsumura
11:35	11:45	10	Plenary session—Summaries from each table	participants
11:45	12:25	40	<i>Lunch</i>	
Module 13			Management of bone and joint infection in children	Moderator: T Sato
12:25	12:35	10	Plenary session—ARS warm-up cases	A Aroojis
12:35	13:15	40	Focused small group discussions —Infection	Group A: A Aroojis, T Matsumura Group B: K Futamura, T Sato Group C: H Minehara, Y Ueda
13:15	13:35	20	Lecture—Algorithm for management of chronic osteomyelitis	A Aroojis
13:35	13:45	10	Plenary session—ARS reevaluation of warm-up cases	A Aroojis
			Closing	
13:45	13:55	10	Final discussion	ALL
13:55	14:05	10	Closing remarks	T Sato
14:05	<i>End of the course</i>			