2019 AOTrauma Basic Principles Course

안녕하십니까?

AOTrauma Korea 에 보내 주시는 관심과 성원에 늘 감사드립니다. 오는 2019 년 8 월에 개최되는 AOTrauma Basic Principles Course 를 아래와 같이 안내해 드립니다.

--아 래 --

- **주최:** AOTrauma Korea
- **후원:** 대한정형외과학회, 대한골절학회
- **일시 및 장소:** 2019 년 8 월 28 일(수) – 8 월 30 일(금), 인천그랜드하얏트호텔
- **마지막 날 종료예정시간은 오후 4 시입니다.** 코스 참석에 차질 없도록 미리 일정 참고하시기 바랍니다.
- **해외연자**
  - Ernest Kwek — Tan Tock Seng Hospital, Singapore
  - George Thomas — St. Isabel's Hospital, India

- **대상 및 자격**:
  - 정형외과 전문의 및 레지던트 3 년차 이상 선생님 (정원 96 명)

- **등록 절차 및 안내 사항 (필독!! 2018 년부터 새롭게 변경되는 규정이니 반드시 숙지하시기 바랍니다.)** :

Google Form 통해 접수	AOTKR OC 에서 검토 후 확정된 분들께 개별공지	Seat 확정 받으신 분들만 AO 공식 웹사이트를 통해
6 월 24 일 (월) 0900 ~ 25 일 (화) 0900		
https://forms.gle/v8pSV6c7z9SZ5oce8	등록 후 약 2주소요	유료회원가입 (CHF 100/등록비와 별도) & 온라인 코스등록 & 등록비 카드결제
모바일, 크롬브라우저 사용을 추천합니다.		등록비: 레지던트 USD 220/ 그외 USD 370

- **신청자 숫자가 정원을 초과하는 경우, 등록 마감 후 AOTrauma Korea 회장단에서 지역별/병원별 Seat 배정을 고려할 수 있습니다.**
- 지난 AOTrauma Principles Course 에 등록 신청은 하였으나 채택되지 않으신 선생님들을 우선적으로 등록을 배려할 예정입니다. (신청서 작성할 때 꼭 체크해 주세요!)

- 문의: aotraumakorea@gmail.com, 홈페이지: http://www.aotraumakorea.or.kr/
- 첨부: Draft Program

Ki Chul Park

Chairperson, AOTrauma Korea Council

한양대구리병원 박 기 철

AOTrauma Course — Basic Principles of Fracture Management

Day 1 - Basic

Time		Activity	Speaker
0830-0920		Registration	
0920-0930	10	Welcome and introduction	
		1. Introductory lectures (combined with Advanced Principles)	
0930-0945	15	The AO world - from history to lifelong learning	
0945-1000	15	The (soft-tissue) injury—a high priority consideration	
1000-1020	20	Bone healing and the effect of patient factors and injury mechanism on fracture management	
1020-1030	10	Session discussion	
1030-1050	20	Group photo & coffee break	
		2. General Principles	
1050-1105	15	Absolute stability: biomechanics, techniques and fracture healing	
1105-1120	15	Relative stability: biomechanics, techniques and fracture healing	
1120-1135	15	The use of plates in fracture fixation	
1135-1150	15	The 2018 AO/OTA fracture and dislocation classification compendium	
1150-1205	15	Principles of external fixation	
1205-1215	10	Session discussion	
1215-1305	50	Lunch break	
1305-1425	80	Practical exercise 1 (Group 1,2,3) 1. Internal fixation with screws and plates—absolute stability • Video: 00139 (Part 1) • Bone model: 0066 2. The principle of the internal fixator using LCP - relative stability Video : 00112 Bone model : 0068, 0081	
1305-1425		Small group discussion 1 (Group 4,5,6) Discussion on general principles, classification, concepts of stability, their influence on bone healing and how to apply implants to achieve appropriate stability	
1425-1445	20	Coffee Break	
1445-1605	80	Practical exercise 1 (Group 4,5,6) 1. Internal fixation with screws and plates—absolute stability • Video: 00139 (Part 1) • Bone model: 2. The principle of the internal fixator using LCP - relative stability Video : 00112 Bone model : 0068, 0081	
1445-1605		Small group discussion 1 (Group 1,2,3) Discussion on general principles, classification, concepts of stability, their influence on bone healing, and how to apply implants to achieve appropriate stability	
1605-1610	5	Move to main lecture room	
		3. Treatment of diaphyseal and articular fracture	
1610-1630	20	Principles of diaphyseal fracture management—what is important in treating these fractures?	
1630-1650	20	Principles of articular fractures - how do they differ from diaphyseal fractures?	
1650-1700	10	Session discussion	
1700-1705	5	Move to skills lab room	

1705-1855	110	AO Skills Lab	
		A. Torque measurement of bone screws (10') B. Soft-tissue penetration during drilling (10') C. Heat generation during drilling (10') D. Mechanics of bone fracture (10') E. Fracture healing (10') 10 minutes break F. Techniques of reduction (10') G. Mechanics of intramedullary fixation (10') H. Mechanics of plate fixation, part 1 (10') J. Mechanics of plate fixation, part 2 (10') K. Damaged implant removal (10')	
1855		End of Day 1	
1910		Course Banquet	

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Day 2 - Basic

Time		Activity	Speaker
0800-0900	60	Practical exercise 2 : Application of a modular large external fixator (tibia modular external fixator (Group 1,2,3)) Video No. 00116, Bone No. 1111	
0800-0900	60	Small group discussion 2 (Group 4,5,6) Management principles for the treatment of diaphyseal fractures I	
0900-0915	15	Coffee break	
0915-1015	60	Practical exercise 2 : Application of a modular large external fixator (tibia modular external fixator (Group 4,5,6)) Video No. 00116, Bone No. 1111	
0915-1015	60	Small group discussion 2 (Group 1,2,3) Management principles for the treatment of diaphyseal fractures I	
1015-1020	5	Move to main lecture room	
		4. Treatment of articular fracture (I)	
1020-1035	15	Tension band principles and cerclage wiring	
1035-1050	15	Distal radial fx.-which to fix? how to fix?	
1050-1105	15	Ankle fractures—a systematic approach to their fixation	
1105-1115	10	Session discussion	
1115-1120	5	Move to break out session	
1120-1140	20	Practical exercise 3 (Group 1,2,3) Tension band wiring of the olecranon • Video: 00132 • Bone model: 6011	
1140-1220	40	Practical exercise 4 (Group 1,2,3) Management of a malleolar fracture type 44–C • Video: 00138 • Bone model: LD3120	
1120-1220	60	Small group discussion 3 (Group 4,5,6) Management principles for the treatment of diaphyseal fracture II	
1220-1310	50	Lunch break	
1310-1330	20	Practical exercise 3 (Group 4,5,6) Tension band wiring of the olecranon • Video: 00132 • Bone model: 6011	
1330-1410	40	Practical exercise 4 (Group 4,5,6) Management of a malleolar fracture type 44–B • Video: 00138 • Bone model: LD3120	
1310-1410	60	Small group discussion 3 (Group 1,2,3) Management principles for the treatment of diaphyseal fracture II	
1410-1415	5	Move to main lecture room	
		5. Preoperative planning and forearm fractures	
1415-1430	15	Forearm fractures need understanding of principles for diaphyseal and articular fractures	
1430-1530	60	Preoperative planning—“plan your forearm operation” Templating exercise (in lecture room)	
1530-1535	5	Move to breakout session	
1535-1635	60	Practical exercise 5 (Group 1,2,3) Operate your plan—fixation of a 22-C1 forearm fracture using the LCP 3.5 (8 and 11 holes) • Video : 00113 • Bone model: 6501	
1535-1635	60	Small group discussion 4 (Group 4,5,6) Management principles for the treatment of articular fractures I	
1635-1650	15	Coffee break	
1650-1750	60	Practical exercise 5 (Group 4,5,6) Operate your plan—fixation of a 22-C1 forearm fracture using the LCP 3.5 (8 and 11 holes) • Video : 00113 • Bone model: 6501	
1650-1750	60	Small group discussion 4 (Group 1,2,3) Management principles for the treatment of articular fractures I	
			Speaker
1750-1755	5	Move to main lecture room	
		6. Treatment of articular fractures (II)	
1755-1810	15	Femur neck fx.	
1810-1825	15	Trochanteric fractures	
1825-1840	15	distal femoral fx mgt principles	
1840-1855	15	Introduction to tibial plateau fractures	
1855-1905	10	Session discussion	
1905		End of 2nd Day	

AOTrauma Course — Basic Principles of Fracture Management

Day 3 - Basic

Time		Activity	Speaker
		7. Emergency management and minimally invasive surgery	
0800-0810	10	Radiation in the operating room—appropriate use and hazards	
0810-0825	15	Treatment algorithms for the polytrauma patient	
0825-0840	15	Emergency management of pelvic fractures—a critical skill can save lives	
0840-0850	10	Session discussion	
0850-0855	5	Move to breakout session	
0855-0955	60	Practical exercise 6 (Group 1,2,3) Tibial shaft fractures—intramedullary nailing with the expert tibia nail - with reaming (ETN) • Video: 00130 • Bone model: 1149 – 01	
0855-0955		Small group discussion 5 (Group 4,5,6) Management principles for the treatment of articular fracture II	
0955-1010	15	Coffee	
1010-1110	**60**	Practical exercise 6 (Group 4,5,6) Tibial shaft fractures—intramedullary nailing with the expert tibia nail - with reaming (ETN) • Video: 00130 • Bone model: 1149 – 01	
1010-1110		Small group discussion 5 (Group 1,2,3) Management principles for the treatment of articular fracture II	
1110-1115	5	Move to main lecture room	
		8. Special issues and problems (1)	
1115-1130	**15**	Management of open fractures	
1130-1145	**15**	Perioperative infection–prevention, evaluation and management	
1145-1200	**15**	Delayed healing—causes and treatment principles	
1200-1210	**10**	Session discussion	
1210-1215	**5**	Move to break out session	
1215-1315	60	Practical exercise 7 (Group 1,2,3) Intramedullary nailing of a proximal femur using a proximal femoral nail anti-rotation (PFNA) • Video: 00125 • Bone model: 2220	
1215-1315		Small group discussion 6 (Group 4,5,6) Final case discussion on selected topics :polytrauma, complications, special fractures, e.g. geriatric fractures, osteoporosis, periprosthetic fractures	
1315-1405	50	Lunch break	
1405-1505		Practical exercise 7 (Group 4,5,6) Intramedullary nailing of a proximal femur using a proximal femoral nail anti-rotation (PFNA) • Video: 00125 • Bone model: 2220	
1405-1505		Small group discussion 6 (Group 1,2,3) Final case discussion on selected topics :polytrauma, complications, special fractures, e.g. geriatric fractures, osteoporosis, periprosthetic fractures	
1505-1510	5	Move to main lecture room	
		9. Special issues and problems (II)	
1510-1525	15	Fixation principles in osteoporotic bone—the geriatric patient	
1525-1535	10	Implant removal - why, when and how?	
1535-1550	15	Violation of principles	
1550-1600	10	Course evaluation & closing remarks	
1600		End of Course	