

# AO Recon Course—Complex Total Hip and Knee Arthroplasty

Day 1

July 30, 2022 (Saturday)

START TIME GMT +8	END TIME GMT +8	AGENDA ITEM	WHO
09:30	09:40	Opening remarks and introduction	CF Chen
<b>Module 1 Indications for revision hip arthroplasty and patient optimization</b>			<b>Moderator: CF Chen</b>
09:40	09:50	Overview of failure mechanisms and indications for revision hip arthroplasty	CC Hu
09:50	10:05	Preoperative investigation and planning for revision hip arthroplasty	CF Chen
10:05	10:15	Discussion and closing of module	CF Chen
<b>Module 2 Revision arthroplasty of the hip</b>			<b>Moderator: MS Lee</b>
10:15	10:30	Well-fixed implant removal	MS Lee
10:30	10:45	Partial THR revision with a well-fixed bygone stem	CF Chen
10:45	10:55	Assessment of acetabular bone loss	YS Park
10:55	11:05	Questions and answers	MS Lee
11:05	11:20	BREAK	
11:20	12:10	<b>Treatment options for acetabular bone loss</b>	<b>Moderator: CT Wang</b>
		Case-based discussions (plenary) (4 cases) 1. Jumbo cup (10 min) 2. Allograft (10 min) 3. From cages to triflange cups (10 min) 4. Pelvic discontinuity: ORIF, cup-cage; distraction (10 min) Discussion (10 min)	1. CF Chen 2. YH Chang 3. MS Lee 4. CT Wang
12:10	12:50	<b>Treatment options for femoral bone loss</b>	<b>Moderator: CC Hu</b>
		Case-based discussions (plenary) (3 cases) 1. Extensively porous coated stem (10 min) 2. Fluted titanium, tapered stem (10 min) 3. Cemented fixation – with and without impaction grafting: tumor prostheses: cement within cement (10 min) Discussion (10 min) Moderator gives introduction on femoral bone loss classification	1. CC Hu 2. TW Huang 3. SW Tsai
12:50	13:50	LUNCH	
13:50	14:50	<b>Small group case-based discussion (Group A: 3 groups / Group B: 3 groups)</b>	<b>Moderator: HT Huang</b>
		<b>Revision hip replacement (failed cups and failed stems)</b> 4 cases	Group A1. MS Lee Group A2. TW Huang Group A3. SW Tsai Group B1. HT Huang Group B2. CF Chen Group B3. CJ Ho
14:50	15:50	<b>Practical exercise: (Group B: 3 groups / Group A: 3 groups)</b>	<b>Moderator: YH Chang</b>
		30 min: Templating a revision THA 30 min: Revision stem	CT Wang CT Wang
<b>Module 3 Complex primary total hip arthroplasty (THA)</b>			<b>Moderator: YH Chang</b>
15:50	16:00	Dysplasia and DDH	YS Park
16:00	16:10	Conversion after previous femoral fractures and osteotomies	Aree Tanavalee
16:10	16:20	Conversion after previous acetabular fractures	Michael Huo
16:20	16:30	THA in ankylosed hip/spine	SKS Marya
16:30	16:40	Questions and answers	YH Chang
16:40	16:55	BREAK	
16:55	17:55	<b>Small group discussion</b>	
		Case 1: Dysplasia (CROWE 3/4) Case 2: Conversion THA for posttraumatic acetabular fracture Case 3: Conversion THA for posttraumatic femoral fracture	Group A1. CT Wang Group A2. HT Huang Group A3. CF Chen Group B1. SW Tsai Group B2. TW Huang Group B3. CJ Ho
17:55	18:05	Wrap-up and take-home messages	CF Chen

Day 2			
July 31, 2022 (Sunday)			
START TIME GMT +8	END TIME GMT +8	AGENDA ITEM	WHO
<b>Module 4 Indications for revision knee arthroplasty and patient optimization</b>			<b>Moderator: CF Chen</b>
08:30	08:40	Overview of failure mechanisms and indications for revision knee arthroplasty	CJ Ho
08:40	08:55	Preoperative planning for revision knee arthroplasty	YH Chang
08:55	09:05	Questions and answers	CF Chen
<b>Module 5 Revision arthroplasty of the knee</b>			<b>Moderator: MS Lee</b>
09:05	09:15	Extended surgical approaches and implant removal	YH Chang
09:15	09:25	Well-fixed implant removal	MS Lee
09:25	09:35	Questions and answers	
09:35	09:50	BREAK	
09:50	10:00	Step-by-step surgical technique for revision TKA	Aree Tanavalee
10:00	10:10	Implant selection	SKS Marya
10:10	10:20	Extensor mechanism failure and patellofemoral complications	Michael Huo
10:20	11:20	<b>Small group case-based discussion</b>  Revision knee arthroplasty—Indications, investigation, and preparation  Case 1: Loosening with malalignment Case 2: Severe bone loss requiring bone or metal substitution Case 3: Severe instability requiring a hinge Case 4: Salvage with an amputation or arthrodesis	<b>Moderator: CF Chen</b>  Group A1. MS Lee Group A2. YH Chang Group A3. HT Huang Group B1. SW Yang Group B2. SW Tsai Group B3. CJ Ho
<b>Module 6 Complex primary total knee arthroplasty (TKA)</b>			<b>Moderator: CF Chen</b>
11:20	11:30	Severe valgus knee	CJ Ho
11:30	11:40	The very stiff knee	SW Yang
11:40	11:50	TKA after distal femoral or proximal tibial fractures	Michael Huo
11:50	12:00	Extraarticular deformity	CF Chen
12:00	12:10	TKA after failed unicompartmental knee and osteotomies	Aree Tanavalee
12:10	12:20	Questions and answers	CF Chen
12:20	13:20	LUNCH	
13:20	14:20	<b>Small group discussions</b> Case 1: Valgus knee (that requires a hinge) Case 2: TKA posttraumatic with hardware Case 3: TKA for extraarticular deformity	Group A1. MS Lee Group A2. CT Wang Group A3. HT Huang Group B1. SW Tsai Group B2. TW Huang Group B3. CJ Ho
<b>Module 7 Complications</b>			
14:20	15:00	Case-based presentations: Infection	<b>Moderator: YH Chang</b>
		• Case 1: Infection after hip replacement (20 min) • Case 2: Infection after knee replacement (20 min)	1. YH Chang 2. TW Huang
15:00	15:40	Case-based presentations: Periprosthetic fractures	<b>Moderator: SW Yang</b>
		• Case 1: Classification • Case 2: Internal fixation of femoral periprosthetic fractures • Case 3: Femoral revision for femoral periprosthetic fractures • Case 4: Periprosthetic fractures about the knee	1. SW Tsai 2. TW Huang 3. CT Wang 4. SW Yang
15:40	15:55	BREAK	
15:55	16:35	Case-based presentations: Dislocation	<b>Moderator: CT Wang</b>
		• Case 1: Covering large head • Case 2: Dual mobility cups • Case 3: Constrained cups	1. MS Lee 2. CT Wang 3. CF Chen
16:35	16:45	Mechanically assisted tribo-corrosion	Michael Huo
16:45	16:55	Questions and answers	
16:55	17:05	Wrap-up and take-home messages	CF Chen