

2022 Annual meeting of CAOS - Taiwan
International congress on computer-assisted orthopedic surgery
Academic activity of the 42th anniversary of CMUH

Time: Nov, 12, 2022

Venue: B201, B202 Conference Room, Excellence Building, China Medical University, Taichung, Taiwan

Agenda

B201 Conference Room

Time	Topic	Speaker/Institute
0800~0840	Registration(1F 報到處)	
0840~0850	Open ceremony	Dr. Der-Yang, CHO superintendent, CMUH
0850~0900	Welcome adress	Dr. Horng-Chaung Hsu, President, CAOS-Taiwan
Section 1 : Special lecture Moderator : 許弘昌理事長		
0900~0940	Image guided surgery of hand and its robotic rehabilitation	蘇芳慶副校長 /成功大學
Section 2 : Application of AI in orthopediac surgery Moderator : 李光申副院長、呂東武教授		
0940~0955	人工智慧骨科手術規劃之應用*	許凱程主任 /中國附醫
0955~1010	Applications of Artificial Intelligence in Spine Field	周伯鑫醫師 /臺北榮總
1010~1025	AI and the Knee	李光申副院長 /中國附醫
1025~1035	Discussion	
1035~1100 Coffee break		
Section 3 : CAOS in hip arthroplasty Moderator : 陳祥和教授、曾柏凱醫師		
1100~1115	Navigation in direct anterior hip arthroplasty	洪誌鴻主任 /中國附醫
1115~1130	Taking Spine into Consideration: MAKO 4.0	曾柏凱醫師 /郵政醫院
1130~1145	Robotic assisted total hip arthroplasty in patient with developmental dysplasia patient - surgical pearls and technique	黃揆洲副院長 /亞大附醫
1145~1155	Discussion	

12:00 Group Photo		
1200~1330 理監事會議(B201) /午餐(B202)		
Section 4 : CAOS in knee arthroplasty Moderator : 郭繼陽院長、吳明峯院長		
1330~1350	Surgical tips and pearl of robotic surgery*	James C. Ballard, MD/Refgenerative Orthopedic Center, Oregon
1350~1405	Robotic knee arthroplasty: from Mako to ROSA	謝尚霖醫師 /中國附醫
1405~1420	Tips and pitfalls of navigation knee arthroplasty	黃柏樺醫師 /高雄長庚
1420~1440	Discussion	
1440~1510 Coffee break		
Section 5 : CAOS in trauma and corrective osteotomy Moderator : 楊傑思醫師、蔡俊灝教授		
1510~1525	Using a 3D-printed external elbow stabilizer for treating complex elbow instability - Biomechanical assessment and clinical outcome	馬景候主任 /義大醫院
1525~1540	AR assisted CRIF in orthopedic surgery	鄭博丞醫師 /彰化秀傳
1540~1555	Precise Correction of Pediatric Distal Humeral Malunion by 3D-printed Patient Specific Instruments	高軒凱醫師 /林口長庚
1555~1610	PSI applications on complex cases: from an engineer's point of view	駱主安博士 /Aplus
1610~1630	Discussion	

Agenda

B202 Conference Room

Time	Topic	Speaker/Institute
0800~0840	Registration(1F 報到處)	
0840~0850	Open ceremony (B201 Conference Room)	Dr. Der-Yang, CHO superintendent, CMUH
0850~0900	Welcome adress (B201 Conference Room)	Dr. Horng-Chaung Hsu, President, CAOS-Taiwan
Section 1 : Special lecture Moderator : 許弘昌理事長		
0900~0940	Image guided surgery of hand and its robotic rehabilitation (B201 Conference Room)	蘇芳慶副校長 /成功大學
Section 2 : CAOS in spine surgery : navigation Moderator : 楊曙華主任、林政立主任		
0950~1005	O arm navigation in cervical spine surgery	胡名孝醫師 /臺大醫院
1005~1020	Full O arm navigated anterior lumbar fusion (Navigated OLIF single position correction)	林琮凱醫師 /亞大醫院
1020~1035	Discussion	
1035~1045 Coffee break		
Section 3 : CAOS in spine surgery: robotic surgery Moderator : 鮑卓倫部長、林乾閔副院長、吳文田部長、陳賢德部長		
1045~1100	Some reminders when using ROSA system as lumbar navigation guidance	邱正迪主任 /中國附醫
1100~1115	Tips and pitfalls of robotic assisted spinal surgery: Make fancy technology a daily work	劉恆維主任 /雙和醫院
1115~1130	Renaissance robotic system in pediatric scoliosis surgery: Challenges and Benefits	周世祥主任 /高醫中和
1130~1145	OLIF assisted with Mazor system in lateral position	潘建州主任 /臺中榮總
1145~1155	Discussion	
12:00 Group Photo(B201 Conference Room)		
12:30~13:00	Special lecture endoscopic navigation in spine surgery Speaker : 張建鈞主任	

Spection 4 : Advacement in computer assisted spine surgery		
Moderator : 陳建民主任、劉耿彰主任、陳衍仁主任、陳昆輝部長		
1300~1330	Endoscopic spine surgery with or without navigation pros and cons**	Christoph P. Hofstetter M.D., Ph.D. /University of Washington
1330~1345	The current updates of the use of XR in the spine medicine	吳孟晃主任 /北醫附醫
1345~1400	Navigation Guided oblique lateral interbody fusion in heterogenous lumbar disease: A single center experience	吳孟庭主任 /振興醫院
1400~1415	O arm navigated OLIF for adult spinal deformity	張軒侃醫師 /臺北榮總
1415~1430	Osteoporosis management in spine surgery	張建鈞主任 /臺中慈濟
1430~1440	Discussion	
1440~1510 Coffee break		
Spection 5 : Advacement in computer assisted spine surgery		
Moderator : 林佳緯主任、周伯鑫副教授、林英超主任、吳孟晃主任		
1510~1525	Introduction of robotic assisted surgical system using realtime navigation data	黃炳峰主任 /金工中心
1525~1540	AR application in tele-rehabilitation after orthopedic surgeries	林佳緯主任 /烏日林新
1540~1555	The trend and challenge of robotically-assisted surgical device (RASD) development	王文騰技術暨營運長 /炳碩科技
1555~1610	腦神經外科機器人開發經驗分享2021	陳階曉醫師 /中國北港附醫
1610~1630	Discussion	

*錄影方式進行

**網路現場進行

Computer-assisted orthopedic surgery : Workshop Courses

- Date : Nov.13, 2021
- Time : 08:30-12:00
- Coffee Break : 10:00-10:15

Course	Venue	Topic	Instructor
Course 1	B201 Conference Room	Navigated TKA Surgery : NAV3i Navigation Platform (OrthoMap ExpressKness2.0)	蕭家傑副院長 /博田國際醫院
Course 2	B202 Conference Room	Robotic TKA Surgery : ROSA Recon (version1.2) system	洪誌鴻主任 /中國附醫

