

08:00~08:10 Opening Remark 회장 성균관의대 정화재

08:10~09:20 Session I : Navigation & Robotics in Knee Arthroplasty 좌장 : 임흥철, 원예연

08:10~08:16 CT-based navigation system using a patient-specific instrument for femoral component positioning: an experimental in vitro study with a sawbone model

대구경북과학기술원¹, 경북공대², 경북의대³
이성풍¹, 홍재성¹, 김현덕²
백승훈³, 김준영³, 김신윤³

08:16~08:22 Does final component alignment correlate with alignment of the bone resection surfaces in cemented TKA? 해운대 부민병원 서승석, 이창락 김무원, 김창규, 김동선

08:22~08:28 Comparison between gap balancing and measured resection technique in patients with severe varus deformity during computer-assisted total knee arthroplasty 중앙보호병원 윤정로

08:28~08:34 Comparison of the outcomes of primary TKA and revision of UKA to TKA with navigation system 중앙의대¹, 한마음창원병원² 이한준¹, 박용범¹, 김성환²

08:34~08:40 Clinical outcome of navigation-guided mobile bearing TKA at minimum 5-year follow-up 고려의대 최재혁, 장기모, 장우영, 한승범

08:40~08:46 Clinical performance and survivorship of navigated floating platform mobile-bearing TKA: a minimum 10-year follow-up 성균관의대¹, 서울의료원² 문영원¹, 이성산¹, 김상민², 김재우²

08:46~08:52 Comparison of outcome and gait analysis after robotic TKA between mechanical and kinematic knee alignment methods with average 8 years follow up 전남의대 이동현, 송은규, 선종근, 여제형

08:52~08:58 Long-term follow up of Navigation TKA using multi-directional mobile bearing design 전남의대 여제형, 송은규, 선종근, 이동현

08:58~09:20 Discussion

09:20~10:40 Symposium I : Biomedical Imaging & Bioengineering in Orthopaedics 좌장 : 김윤혁, 구승범

09:20~09:32 In vivo non-invasive assessment of patellar maltracking during weight-bearing in patients with patellofemoral pain 이화여대 최장환

09:32~09:44 Development of knee joint simulation for TKA: application of PS plus type evaluation 세종대 임도형

09:44~09:56 Midtarsal joint kinematics during walking using bi-planar fluoroscopy 중앙대 구승범

09:56~10:08 Study to evaluate patient-specific material property using finite element analysis and Monte Carlo method 연세대 강경탁

10:08~10:20 Where are we on the prediction of osteoporotic fractures? 이화여대 이태용

10:20~10:40 Discussion

10:40~11:00 Coffee BREAK

11:00~11:30 Special Lecture : Presidential Guest Lecture 좌장 : 정화재, 서승석

11:00~11:20 What is truly required for TKA in the field of CAOS? Niigata Medical Center, Niigata, Japan Takashi Sato

11:20~11:30 Discussion

11:30~12:40 Symposium II : Expert CAOS Techniques with Photo/Video Spotlights 좌장 : 배대경, 이명철

11:30~11:40 What are practical benefits of navigation in TKA? 성균관의대 정화재

11:40~11:50 MAKO robotic-arm assisted TKA 연세대의대 이우석

11:50~12:00 Computer-assisted navigation in open wedge HTO 중앙의대 이한준

12:00~12:10 Navigation-assisted THA focused on technical tips with video spotlights 한림의대 김인성

12:10~12:20 PSI shoulder arthroplasty 가톨릭의대 송현석

12:20~12:40 Discussion

12:40~13:50 LUNCH

12:40~13:00 총회

13:50~14:30 Workshop I : TKA Using VERASENSE Sensor by Smith & Nephew 좌장 : 송은규, 이한준

VERASENSE Sensor-assisted TKA 전남의대 선종근

14:30~15:15 Session II : Hip, Shoulder, HTO & General 좌장 : 장준동, 유기형

14:30~14:36 Sequential radiologic changes of subchondral fatigue fracture of the femoral head in young healthy adults 성균관의대¹, 서울의료원² 박윤수¹, 문영원¹, 임승재¹, 김상민²

14:36~14:42 Allowable periacetabular osteophyte to avoid impingement after cementless THA: A 3-dimensional simulation study 아주의대¹, 서울공대², 서울의대³ 김정택¹, 이주성² 이영균³, 원예연¹, 이건우², 구경희³

14:42~14:48 Three dimensional kinematics in hook plated acromioclavicular dislocation including hook motion 성균관의대 김유진, 이승희, 정화재 박재형, 이재욱, 김우섭, 박희진, 이소연

14:48~14:54 The influence of surgeon experience on the radiographic results in computer-assisted HTO 경희의대 송상준, 박철희, 양 호, 장태수, 배대경

14:54~15:00 Google questionnaire for medical writing 한림의대 신재혁, 백승하

15:00~15:15 Discussion

15:15~15:35 Coffee BREAK

15:35~16:15 Workshop II : TKA Using MAKO Robotic Arm by Stryker 좌장 : 박윤수, 이주홍

Transformation of orthopedic surgery: Mako robotic reconstruction system in TKA 연세대의대 박관규

16:15~16:35 Symposium III : Research Highlights from International Meetings of CAOS 좌장 : 정영복

16:15~16:25 CARS 2017 (Barcelona, Spain) 서울의료원 김상민

16:25~16:35 CAOS International 2017 (Aachen, Germany) 전남의대 여제형

16:35~17:35 Session III : 3-D Printing & Navigation Related Surgical Technique 좌장 : 김정만, 김신윤

16:35~16:47 의료분야에서의 BME S/W 기술 및 3D 프린팅기술의 활용 퓨전테크놀로지 김인명

16:47~16:59 3D 금속프린터의 의료 적용사례 메디아스 김훈모

16:59~17:05 Application of 3D printing technology in orthopaedic tumor surgery 국립암센터¹, 서울의대² 강현귀¹, 박종웅¹, 김준혁¹, 김한수²

17:05~17:11 Augmented-Reality navigation assistance in pelvic bone cancer surgery: an experimental study 서울의대¹, 대구경북과학기술원² 박민석¹, 조환성¹, 박영균¹ 한일규¹, 김한수¹, 최현석², 홍재성²

17:11~17:17 Characteristics of newly developed 3-D printed mesh structure titanium alloy spacer and its efficacy in posterior lumbar interbody fusion 성균관의대¹, 경희의대² 정성수¹, 이경준¹, 이종환², 강경중²

17:17~17:35 Discussion

17:35 Closing Remark