



6th Japan-Korea Knee Osteotomy Symposium
The Jikei University School of Medicine, Tokyo, Japan
July 27th (Saturday), 2019

PROGRAM

7:30- Registration

8:25 Opening

Takaaki Tanaka

8:30-9:25 Session 1 (Technique-1)

Chairpersons: Akihiko Yonekura / Kim Myung Ku

- 1-1 Where is the optimal starting point in medial open wedge high tibial osteotomy?
- 3D tibia model finite element study- P.00

Sang Won Moon

Haeundae Paik Hospital, Inje University College of Medicine

- 1-2 -Case Report- Check Valgus Stress Intraoperatively during High Tibial Osteotomy Procedure
(Surgical technique)..... P.00

Jae-Hyuk Yang

Hanyang University Medical Center, Guri Hospital

- 1-3 3D-Printed Patient-specific Instrument in Medial Open Wedge High Tibia Osteotomy..... P.00

Jesse Chieh-Szu Yang

Taipei Veterans General Hospital, National Yang-Ming University

- 1-4 Clinical Efficacy of Adductor Canal Block in Medial Open Wedge High Tibial Osteotomy P.00

Byung Hoon Lee

Gil Hospital, Gachon University

- 1-5 Medial joint stability after the repair of pes anserinus in medial open wedge high tibial osteotomy . P.00

Hee-June Kim

Kyungpook National University Hospital

- 1-6 Should sagittal osteotomy line be parallel to tibial posterior slope in open wedge high tibial
osteotomy?..... P.00

Yasushi Akamatsu

Fureai Yokohama Hospital, Yokohama City University Hospital

9:25-10:20 Session 2 (Technique-2 and case report)

Chairpersons: Shuhei Otsuki / Lee Myung Chul

- 2-1 Preliminary results of high fibular osteotomy (HFO) and cartilage regeneration procedure for
medial compartment osteoarthritis of knee with varus deformity..... P.00

Seok Jung Kim

The Catholic University of Korea

- 2-2 Application of Ilizarov Techniques (Distraction Osteogenesis) in Open Wedge Osteotomy around Knee..... P.00
Sungjung Kim
W Hospital
- 2-3 Application of tibial condylar valgus osteotomy (TCVO) to tibial plateau fracture cases. P.00
Tomoyuki Shimakawa
Harue Hospital
- 2-4 Importance of Osteotomies in the treatment of Recurrent Patella Dislocation P.00
Donghoon Lee
Donghoon Advanced Lengthening Reconstruction Institute
- 2-5 Case report: Retrospective Analysis of TKA Conversion after High Tibial Osteotomy P.00
Hong-Chul Lim
Seoul Barunesang Hospital
- 2-6 Medial closing wedge distal femoral osteotomy for steroid-induced large collapsed osteonecrosis of femoral condyle: A case report. P.00
Takuma Kaibara
Hokkaido University

10:19-10:35 Coffee break

10:35-11:50 Session 3 (Radiological evaluation)

Chairpersons: Yasushi Akamatsu / Kang Seung-Baik

- 3-1 Inverted V-Shaped High Tibial Osteotomy did not Change the Tibial Torsion : A Multiple Planner Reconstruction-Computed Tomography Study P.00
Zenta Joutoku
Obihiro-Kosei General Hospital, Hokkaido University
- 3-2 Valgus high tibial osteotomy changes in vivo stress distribution patterns of the proximal tibial articular surface in medial compartment osteoarthritis -using computed tomography osteoabsorptiometry- P.00
Koji Iwasaki
Hokkaido University
- 3-3 Changes in Patellar Height Following Opening Wedge and Closing Wedge High Tibial Osteotomy P.00
Dae-Hee Lee
Samsung Medical Center, Sungkyunkwan University School of Medicine
- 3-4 Experience of using "Osteomaster" as preoperative planning application for HTO and DFO P.00
Yongji Kim
Koshigaya Municipal Hospital, Juntendo University School of Medicine
- 3-5 Hip-to-calcaneus Alignment Is Significantly Different from Hip-to-talus Alignment of Knee Joint in Patients with Severe Genu Varum Deformity P.00
Jae Gyoon Kim
Korea University Ansan Hospital, Korea University College of Medicine



- 3-6 The effect of the rotation of knee joint in sagittal and axial plane to the accuracy of radiographic measurement of lower limb alignment: a comparison between the full-length lower limb anteroposterior radiograph and EOS x-ray imaging system P.00
Hyun-Soo Moon
Yonsei University College of Medicine, Severance Hospital, Yonsei University
- 3-7 Preoperative supine radiographs are more accurate and reliable than standing radiographs for the prediction of postoperative limb alignment in medial open-wedge high tibial osteotomy P.00
Kyun-Ho Shin
Anam Hospital, Korea University College of Medicine
- 3-8 Risk of popliteal artery injury during high tibial and distal tuberosity osteotomy: An analysis with contrast-enhanced computed tomography P.00
Akiyoshi Mori
Kobe University Graduate School of Medicine
- 3-9 MRI T1 rho mapping for the assessment of articular cartilage changes in the proximal tibiofibular joint following medial opening-wedge distal tibial osteotomy using hemicallotasis (OWDTO-HCO) for medial knee osteoarthritis P.00
Eiichi Nakamura
Kumamoto University, Kumamoto Kaiseikai Hospital

11:56-12:05 Lunch

12:05-12:10 Short talk

Chairperson: Kazunori Yasuda

History of Japan- Korea knee osteotomy symposium

Dae-Kyung Bae

Seoul Sacred Heart Hospital

12:10-12:30 Special lecture-1

Chairperson: Kazunori Yasuda

Where is the Target Point to Prevent Cortical Hinge Fracture in Closing-Wedge Distal Femoral Varus Osteotomy

Nha Koung-Wook

Inje University Ilsan Paik Hospital

12:30-13:10 Special lecture-2

Chairperson: Takeshi Sawaguchi

Double level metaphysis osteotomies for banana-like tibial deformity

Huang Ye

Beijing JST Hospital

13:10-13:20 Coffee break

13:20-14:25 Session 4 (Outcome-1)

Chairpersons: Takenori Akiyama / Kyung Hee Soo

- 4-1 Magnitude of coronal soft tissue laxity is a predictor of overcorrection after open wedge high tibial osteotomy P.00

Jun-Gu Park

Asan Medical Center, University of Ulsan College of Medicine

- 4-2 Tibiofemoral Subluxation is a Risk Factor for Postoperative Overcorrection in High Tibial Osteotomy..... P.00

Min Wook Kang

Hallym University Kangnam Sacred Heart Hospital

- 4-3 Clinical results after double level osteotomy for severe varus deformity of the knee osteoarthritis; minimum 2-year follow-up..... P.00

Hiroshi Nakayama

Hyogo College of Medicine

- 4-4 Factors influencing functional outcome of conversion TKA after HTO P.00

Dae-Kyung Bae

Seoul Sacred Heart Hospital

- 4-5 Risk of Revision Following Total Knee Arthroplasty or High Tibial Osteotomy: A Nationwide Propensity-Score-Matched Study..... P.00

Jung-Ro Yoon

Veterans Health Service Medical Center

- 4-6 Open Wedge high tibial osteotomy is an alternative treatment option for bone on bone knee of Ahlback grade 2 or higher identified in 45° posteroanterior flexion weight-bearing radiograph. .. P.00

Tae Hyuk Kim

ASAN medical center

- 4-7 Radiological Grading of Osteoarthritis on Rosenberg View Has a Significant Correlation with Clinical Outcomes after Medial Open Wedge High Tibial Osteotomy P.00

Byung Hoon Lee

Gil Hospital, Gachon University

14:25-15:30 Session 5 (Outcome-2)

Chairpersons: Takehiko Matsushita / Seo Seong Suk

- 5-1 Do the small increase in posterior tibial slope after Medial Open-Wedge High Tibial Osteotomy has effect on the Anterior cruciate ligament degeneration? P.00

Woon-Hwa Jung

Murup Hospital

- 5-2 Simultaneous bilateral medial open-wedge high tibial osteotomy in the elderly P.00

Kurato Jonishi

Kawasaki saiwai hospital



- 5-3 Fulfillment of Patient's Expectations Improves Satisfaction Following Medial Opening Wedge High Tibial Osteotomy P.00
Chulkyu Kim
 Seoul St. Mary's Hospital, The Catholic University of Korea
- 5-4 Midterm outcomes of joint-line obliquity after open-wedge high tibial osteotomy..... P.00
Ju-Ho Song
 University of Ulsan, Asan Medical Center
- 5-5 Short-term Outcome of Two-staged Cruciate Ligaments Reconstruction and High Tibial Osteotomy in Cruciate Ligament deficient knee with medial compartment osteoarthritis P.00
Hirokazu Shimizu
 Hokkaido University
- 5-6 Increased Posterior Tibial Slope After Medial Open-Wedge High Tibial Osteotomy May Result In Degenerative Changes of Anterior Cruciate Ligament P.00
Gi Beom, Kim
 Yeungnam University Medical Center
- 5-7 Predictive Factors for Patient Satisfaction After Open-Wedge High Tibial Osteotomy..... P.00
Kenichi Goshima
 Toyama Municipal Hospital

15:28-15:45 *Coffee break*

15:45-16:40 Session 6 (Complication-1)

Chairpersons: Kenichi Goshima / Choi Chong Hyuk

- 6-1 Relationship between varus inclination of the tibia and tibial tuberosity–trochlear groove distance or patellar tilt angle in patients with varus knee osteoarthritis P.00
Shuntaro Nejima
 Yokohama City University School of Medicine
- 6-2 Predictive Factors for and Detection of Lateral Hinge Fractures Following Open Wedge High Tibial Osteotomy: Plain Radiography Versus Computed Tomography P.00
Sung-Sahn Lee
 Inje University, Ilsan Paik Hospital
- 6-3 Complications associated with medial opening-wedge high tibial osteotomy using a locking Plate: A multi-center Study P.00
Ki-Mo Jang
 Anam Hospital, Korea University College of Medicine
- 6-4 Excessive Coronal Inclination of Tibial Plateau Following Medial Opening-Wedge High Tibial Osteotomy: Risk Factors and Preventive Strategies P.00
Sueen Sohn
 Eunpyeong St. Mary's Hospital, The Catholic University of Korea



6th Japan-Korea Knee Osteotomy Symposium

- 6-5 Differences between MPTA and Knee Joint Line Obliquity for the Ground after Medial Open Wedge High Tibial Osteotomy P.00

Kunihiko Hiramatsu

Tamai Orthopaedic Hospital, Yao Municipal Hospital

- 6-6 High Tibial Osteotomy Reduces Volume of Patellofemoral Joint and Leads to Osteoarthritis Progression P.00

Saekwang Kwon

Yonsei Bonsarang Hospital

16:40-17:35 Session 7 (Complication-2)

Chairpersons: Eiji Kondo / Jung Woon Hha

- 7-1 Serious complications after medial open wedge HTO : Nonunion and overcorrection P.00

Jae-Hwa Kim

CHA Bundang Medical Center, CHA University

- 7-2 Does DVT is occurred differently between patients undergoing TKA and HTO? P.00

Keum Min Hwang

SMG-SNU Boramae Medical Center

- 7-3 Routine use of lag screw is not recommended in open-wedge high tibial osteotomy..... P.00

Kenji Fujit

Toyama Municipal Hospital

- 7-4 Risk of popliteal artery injury during around the knee osteotomy :analysis of CT..... P.00

Mori Akiyoshi

Kobe University

- 7-5 Preexisting cartilage lesion on the patellofemoral joint: does it affect surgical outcome of medial open wedge high tibial osteotomy? P.00

Hyun-Soo Moon

Yonsei University College of Medicine

- 7-6 Evaluation of the influence on the patellofemoral joint affected by proximal-tibial osteotomy
- Comparison of TCVO and OWHTO - P.00

Yusuke Nakazoe

Nagasaki University Graduate School of Biomedical Sciences

17:35-18:50 Session 8 (Meniscus and gap filling)

Chairpersons: Ryuichi Nakamura / Kim Jae Hwa

- 8-1 Novel unidirectional porous β -tricalcium phosphate used as an artificial bone in open wedge high tibial osteotomy P.00

Tomokazu Yoshioka

University of Tsukuba



- 8-2 Predictors of confident assessment of union at 1 year postoperatively after medial open wedge HTO without bone graft P.00
Ja-Woon Lee
Korea University Guro Hospital
- 8-3 Can we expect better clinical outcomes by filling the osteotomy gap with morcellized bone allograft in opening wedge high tibial osteotomy? P.00
Seung Joon Rhee
Pusan National University Hospital
- 8-4 The extent to which the gap healing was obtained after open wedge osteotomy without bone grafting..... P.00
Hyung Jun Park
SMG-SNU Boramae Medical Center
- 8-5 Suture anchor repair for a medial meniscus posterior root tear combined with arthroscopic meniscal centralization and open wedge high tibial osteotomy P.00
Ryuichi Nakamura
Harue Hospital
- 8-6 Medial meniscus extrusion correlates with the increase in varus rotation due to knee kinematics change following posterior root tear: A Cadaveric Study P.00
Tomoyuki Suzuki
Sapporo Maruyama Orthopaedic Hospital
- 8-7 The Meniscal Extrusion Over 5 mm was a Risk Factor of Inferior Patient Reported Outcomes Following Medial Opening Wedge High Tibial Osteotomy..... P.00
Man Soo Kim
Catholic University, Seoul St. Mary's Hospital
- 8-8 Effect of valgus high tibial osteotomy and preoperative meniscus extrusion on degenerated medial meniscus posterior root tear healing P.00
Woon-Hwa Jung
Murup Hospital

18:50 Closing

Takaaki Tanaka / Bin SI

19:00-20:50 Dinner