Scientific Program

The 9th Congress of Asia Pacific Knee Society (APKS2016)
October 27–28, 2016    Yokohama
Congress President: Tomoyuki Saito, M.D., Ph.D.
Department of Orthopaedic Surgery, Yokohama City University School of Medicine

Thursday, October 27 (DAY 1)

9:15~9:25 Opening Ceremony

9:25~9:55 Presidential Lecture

**PL Clinical results of high tibial osteotomy using locking plate system for medial compartmental osteoarthritis of the knee**
Tomoyuki Saito | Department of Orthopaedic Surgery, Yokohama City University Hospital, Japan ............................................... 24

10:00~10:45 Free Paper 1: TKA1

**FP1-1 Management of bone loss in revision TKA**
Surapoj Meknnavi | Orthopaedic, Faculty of Medicine Vajira Hospital, Navamindradhiraj University, Thailand .............................................. 36

**FP1-2 Patellar maltracking after total knee arthroplasty**
Charlee Sumettavanich | Department of Orthopedics, Lerdsin General Hospital, Thailand ................................................................. 36

**FP1-3 Long term clinical results of ceramic knee implant**
Shinichiro Nakamura | Department of Orthopaedic Surgery, Kyoto University, Japan ............................................................................. 37

**FP1-4 Optimal posterior reference point for sizing of the femoral component in total knee arthroplasty**
Tomoharu Takagi | Department of Orthopaedic Surgery, Graduate School of Medical Science Kanazawa University, Japan ......................... 37

**FP1-5 The detection of small periprosthetic bone defects around the oxidized zirconium femoral component**
Yukihide Minoda | Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine, Japan ........................................ 38

10:45~11:30 Free Paper 2: ACL, OCD

**FP2-1 Comparison of clinical and radiologic outcomes and second-look arthroscopic findings after ACL reconstruction using fixed-loop and adjustable-loop cortical suspension devices**
Hong-An Lim | Department of Orthopedic Surgery, Center for Joint Disease, Chonnam National University Hwasun Hospital, Korea ....................... 38

**FP2-2 Lateral meniscal extrusion can be useful to estimate severity of the lateral meniscus posterior root tear in ACL deficient knees**
Yusuke Kamatsuki | Department of Orthopaedic Surgery, Okayama University Graduate School, Japan ..................................................... 39

**FP2-3 Partial transphyseal anterior cruciate ligament reconstruction in adolescents with open physes**
Keiji Suzuki | Orthopedic Surgery, Kosei General Hospital, Japan ...................................................................................................... 39

**FP2-4 Limitation of in situ arthroscopic fixation for stable osteochondritis dissecans of the knee**
Masakazu Ishikawa | Department of Orthopaedic Surgery, Hiroshima University, Japan ............................................................................... 40
Clinical outcomes of the surgical treatment with osteochondritis dissecans according to our strategy
Riku Hayashi | Orthopaedic Surgery, Yokohama Minami Kyosai Hospital, Japan

11:45~12:45 Luncheon Seminar 1 (Sponsored by Zimmer Biomet G. K.)
Moderator Kazuhiko Michishita

Bi-cruciate retaining knee arthroplasty
Hiroshi Inui | Department of Orthopaedic Surgery, Faculty of Medicine, The University of Tokyo, Japan

Invited Lecture 1
Moderator Eun Kyoo Song

Surgical approach and clinical outcome to total knee arthroplasty
Toru Suguro | Emeritus Professor, Faculty of Medicine, Toho University, Japan

Free Paper 3: Arthroscopic Surgery and Trauma
Moderator Surapoj Meknavin, Cong-Feng Luo

Long term results of arthroscopic medial capsular plication for patellar instability
A. Merter Ozenci | Orthopaedics and Traumatology, Akdeniz University Hospital, Turkey

The result of total and partial meniscectomy (long time follow up, 10-15 years.)
Fachry A. Tandjung | Orthopaedics and Traumatology, Faculty of Medicine Universitas Padjadjaran, Indonesia

Pullout repair of a medial meniscus posterior root tear using an all-inside meniscal suture technique
Yuya Kodama | Department of Orthopaedic Surgery, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences, Japan

Repair of chronic large meniscal defect with implantation of autogenous meniscal fragments using tubular shaped fibrin clot
Tamiko Kamimura | Department of Orthopaedic Surgery, Takarazawa Chuo Hospital, Japan

The evolution of arthroscopic surgery in Thailand
Vatanachai Rajvanit | Orthopaedic Surgery, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand

Arthroscopic fixation of tibial eminence fracture: Report of 11 cases
Shu Takagawa | Yokohama Municipal Citizen’s Hospital, Japan

Flexion-type Salter-Harris II fracture of the proximal tibial epiphysis: Operative versus nonoperative treatment
Hiroshi Watanabe | Department of Orthopaedic Surgery, Nippon Medical School, Japan

Symposium: Management Factors for Success in Primary TKA
Moderator A. Merter Ozenci, Nicolaas C. Budhiparama

Perioperative management for blood loss and VTE
Chyun-Yu Yang | Department of Orthopedics, National Cheng Kung University Hospital, Taiwan

Robotic total knee arthroplasty
Eun Kyoo Song | Department of Orthopedic Surgery, Chonnam National University Bitchoeul Hospital, Korea

How to decide tibial rotation in TKA
Thanainit Chotanaphuti | Orthopedic, Phramongkutklao Medical College, Thailand

Soft tissue balance and preservation in TKA
Shinro Takai | Department of Orthopedic Surgery, Nippon Medical School, Japan

Medial gap technique for safer and quantitative gap balancing management in PS-TKA using a newly developed tensor device
Hirotsugu Muratsu | Department of Orthopaedic Surgery, Steel Memorial Hirohata Hospital, Japan
The 9th Congress of ASIA PACIFIC KNEE SOCIETY

SY-6  The evolution of total knee arthroplasty in Thailand  
Vatanachai Rojvanit | Orthopaedic Surgery, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand  
16:55~17:40  Free Paper 4: TKA2  
Moderator Dicky Mulyadi, Shinro Takai

FP4-1  Techniques of locating the adductor tubercle intraoperatively and on anterior-posterior radiographs for joint line determination in knee arthroplasty  
Ing-Ho Chen | Orthopedic Surgery, Hualien Tzu Chi Hospital/ Tzu-Chi University, School of Medicine, Taiwan

FP4-2  Evaluation of posterior tibial slope and posterior capsule slope: A new landmark for total knee arthroplasty  
Tatsunori Kataoka | Department of Orthopedics, Nippon Medical School, Japan

FP4-3  Is suction drainage necessary after total knee arthroplasty?: A prospective study of a mean follow-up over 5 years  
Toshifumi Watanabe | Department of Orthopaedic Surgery, Tokyo Medical and Dental University Hospital, Japan

FP4-4  Kinematic analysis of posterior-stabilized total knee arthroplasty during activities of daily living  
Takatomo Mine | Orthopaedic Surgery and Reumatology, National Hospital Organization Kanmon Medical Center, Japan

FP4-5  The impact of the postoperative exercise intervention on the recovery of total knee arthroplasty  
Robert Wen-Wei Hsu | Chiayi Chang Gung Memorial Hospital, Taiwan

17:40~18:20  Free Paper 5: TKA/UKA  
Moderator Dae-Kyung Bae

FP5-1  Changes in periprosthetic tibial bone mineral density after total knee arthroplasty  
Akihiro Kobayashi | Orthopaedic Surgery, Yokohama City University School of Medicine, Japan

FP5-2  Post-operative medial knee stability and ambulatory functional recovery increase patient satisfaction one-year after TKA  
Tomoyuki Kamenaga | Department of Orthopaedic Surgery, Steel Memorial Hirohata Hospital, Japan

FP5-3  Oxford UKA perform not only resurface, but also realignment?  
Kenji Hara | Knee Joint Reconstruction Center, Shonan Kamakura General Hospital, Japan

FP5-4  Subchondral-sparring tibial cut in fixed bearing unicompartment knee arthroplasty: A modified surgical technique to prevent tibial component collapse and fracture  
Srihatach Ngarmukos | Department of Orthopaedics, Faculty of Medicine, Chulalongkorn University, Thailand

Friday, October 28 (DAY 2)

8:30~10:00  Panel Discussion: Cutting Edge of the TKA  
Moderator Chyun-Yu Yang, Robert Wen-Wei Hsu

PD-1  MIS-TKA: What have we learnt?  
Aree Tanavalee | Department of Orthopaedics, Faculty of Medicine, Chulalongkorn University, Thailand

PD-2  Measured resection vs gap balancing technique for TKR: With specific reference to patient reported outcome measures  
Nicolaas C. Budhiparama | Orthopaedic Surgery, Nicolaas Institute of Constructive Orthopaedic Research and Education Foundation for Arthroplasty and Sports Medicine, Indonesia

PD-3  Cutting edge of the TKA: Navigated TKA  
Tokifumi Majima | Orthopedic Surgery, International University of Health and Welfare Hospital, Japan

PD-4  Primary total knee arthroplasty after knee fusion due to tuberculosis  
Dicky Mulyadi | Orthopaed and Traumatologi, Faculty of Medicine Universitas Padjadjaran, Indonesia
**PD-5**  
**TKR in varus-valgus deformities- what’s new?**  
Parag K. Sancheti | Arthroscopy and Joint Replacement, Sancheti Institute for Orthopaedics and Rehabilitation, India  
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**PD-6**  
**Rationale for cruciate retention in all poly tibial component TKR**  
David S. K. Choon | Department of Orthopaedic Surgery, University Malaya Specialist Centre, Malaysia  
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**10:10~10:50  Free Paper 6: TKA3  Moderator Vatanachai Rojvanit**

**FP6-1**  
**The influence of surgical technique on the intra-operative soft tissue balance in posterior-stabilized TKA**  
Yutaro Kanda | Department of Orthopedic Surgery, Steel Memorial Hirohata Hospital, Japan  
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**FP6-2**  
**Portable accelerometer based navigation system improved the prosthetic alignment in total knee arthroplasty in an Asian population**  
Hideki Ueyama | Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine, Japan  
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**FP6-3**  
**Modified subvastus approach with non-intramedullary reaming by digital fluoroscopic analysis (MND) total knee arthroplasty**  
Thana Turajane | Department of Orthopedic, Police General Hospital affiliated with Sirirakthinirawat Medical School, Thailand  
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**FP6-4**  
**Hand-held navigation may improves accuracy in minimally invasive total knee arthroplasty**  
Satit Thiengwiwatthaporn | Department of Orthopaedics, Faculty of Medicine Vajira Hospital, Navamindradhiraj University, Thailand  
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**10:50~11:30  Free Paper 7: TKA4  Moderator Charlee Sumettavanich**

**FP7-1**  
**Total knee arthroplasty in patients with Ranawat type-II valgus arthritic knee with a marked coronal femoral bowing deformity**  
Tsan-Wen Huang | Department of Orthopaedic Surgery, Chiang Gung Memorial Hospital, Chiayi, Taiwan  
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**FP7-2**  
**Revision total knee arthroplasty for peri-prosthetic knee fractures - NCKUH experiences**  
Chih-Wei Chang | Biomedical Engineering, National Cheng Kung University, Taiwan  
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**FP7-3**  
**Comparison of 10 year follow-up results between robotic and conventional total knee arthroplasty**  
YoungJoo Shin | Department of Orthopedic Surgery, Center for Joint Disease, Chonnam National University Hwasun Hospital, Korea  
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**FP7-4**  
**Incidence of preoperative deep vein thrombosis in high probability patients undergoing elective hip and knee replacement surgery**  
Siwadol Wongsaik | Orthopedic department, Ramathibodi Hospital, Mahidal University, Thailand  
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**11:45~12:45  Luncheon Seminar 2 (Sponsored by Stryker Japan K. K.)  Moderator Kandiah Raveendran**

**LS2**  
**In vivo kinematics of single radius total knee arthroplasty**  
Tetsuya Tomita | Department of Orthopaedic Biomaterial Science, Osaka University Graduate School of Medicine, Japan  
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**13:05~14:05  Invited Lecture2  Moderator Thanainit Chotanaphuti**

**IL2**  
**Current concepts in Asian TKA**  
Ryuji Nagamine | Center of Artificial Joint and Rheumatism, Fukuoka Tokushukai Medical Center, Japan  
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**14:05~15:00  Free Paper 8: HTO  Moderator Ellewellyn Pasion, Ing Ho Chen**

**FP8-1**  
**Clinical outcome of open-wedge high tibial osteotomy using a novel fixation system: Comparison with a conventional plate**  
Koji Yabuuchi | Department of Orthopaedic Surgery, Hokkaido University Graduate School of Medicine, Japan  
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<table>
<thead>
<tr>
<th>Session</th>
<th>Topic</th>
<th>Presenter</th>
<th>Institution</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP8-2</td>
<td>Joint-preserving surgery for spontaneous osteonecrosis of the knee</td>
<td>Ken Kumagai</td>
<td>Department of Orthopaedic Surgery, Yokohama City University, Japan</td>
<td>54</td>
</tr>
<tr>
<td>FP8-3</td>
<td>The influence of the plate positioning on opening wedge high tibial osteotomy with finite element analysis</td>
<td>Kentaro Shinohara</td>
<td>Department of Orthopedic Surgery, Yokohama City University Medical Center, Japan</td>
<td>54</td>
</tr>
<tr>
<td>FP8-4</td>
<td>Evaluation of the bone mineral density after opening wedge high tibial osteotomy</td>
<td>Shota Mitsushashi</td>
<td>Orthopaedic Surgery, Yokohama City University School of Medicine</td>
<td>55</td>
</tr>
<tr>
<td>FP8-5</td>
<td>Tibial condylar valgus osteotomy for advanced osteoarthritis of the knee</td>
<td>Akihiko Yonekura</td>
<td>Department of Orthopaedic Surgery, Nagasaki University Graduate School of Biomedical Sciences, Japan</td>
<td>55</td>
</tr>
<tr>
<td>FP8-6</td>
<td>Investigation of a predictive factor for acquiring an ideal realignment after opening-wedge high tibial osteotomy using imageless navigation system</td>
<td>Yohei Sasaki</td>
<td>Department of Orthopaedic Surgery, Yokohama City University Medical Center, Japan</td>
<td>56</td>
</tr>
<tr>
<td>15:05~15:25</td>
<td>Prof. Koshino Memorial Ceremony</td>
<td></td>
<td></td>
<td>54</td>
</tr>
<tr>
<td>ML</td>
<td>40-year evolution of high tibial osteotomy</td>
<td>Dae-Kyung Bae</td>
<td>Orthopaedics, Kyung Hee University Hospital, Korea</td>
<td>31</td>
</tr>
<tr>
<td>16:30~18:00</td>
<td>Prof. Koshino Memorial Session: HTO Symposium (Sponsored by Anchor Medic K. K.)</td>
<td>Myung Chul Lee, Hwa-Chang Liu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MS-1</td>
<td>Proximal tibial anterior open-wedge oblique osteotomy for the treatment of genu recurvatum</td>
<td>Myung Chul Lee</td>
<td>Department of Orthopaedic Surgery, Seoul National University Hospital, Korea</td>
<td>32</td>
</tr>
<tr>
<td>MS-2</td>
<td>History of high tibial osteotomy</td>
<td>Parag K. Sancheti</td>
<td>Arthroscopy and Joint Replacement, Sancheti Institute for Orthopaedics and Rehabilitation, India</td>
<td>32</td>
</tr>
<tr>
<td>MS-3</td>
<td>An open-wedge osteotomy of the proximal tibia with hemicallotasis - technique and outcome</td>
<td>Eiichi Nakamura</td>
<td>Department of Orthopaedic Surgery, Faculty of Life Sciences, Kumamoto University, Japan</td>
<td>33</td>
</tr>
<tr>
<td>MS-4</td>
<td>High tibial osteotomy for varus gonarthrosis - 20 years experience</td>
<td>Kandiah Raveendran</td>
<td>Orthopaedic Surgery, Fatimah Hospital, Malaysia</td>
<td>33</td>
</tr>
<tr>
<td>MS-5</td>
<td>Development of a new fixation system for high tibial osteotomy</td>
<td>Eiji Kondo</td>
<td>Department of Advanced Therapeutic Research for Sports Medicine, Hokkaido University Graduate School of Medicine, Japan</td>
<td>34</td>
</tr>
<tr>
<td>MS-6</td>
<td>Osteotomies for post-traumatic malunion around the knee</td>
<td>Cong-Feng Luo</td>
<td>Department of Orthopaedic Surgery, Shanghai 6th People’s Hospital affiliated Shanghai Jiaotong University, China</td>
<td>34</td>
</tr>
<tr>
<td>18:00~18:20</td>
<td>Closing Ceremony</td>
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<td></td>
<td></td>
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