# Program of the 47th Annual Meeting of the Japanese Society for Replacement Arthroplasty

**Friday, February 24, Room 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Symposium</th>
<th>Title</th>
<th>Moderators</th>
</tr>
</thead>
</table>
| 8:10~9:40| 1-1-SY1-1   | Surgical training in total hip arthroplasty                         | Japanese Hip Society/
|          | 1-1-SY1-2   | The training system of TKA in Japan                                 | The Japanese Orthopaedic Society of Knee/
|          |             |                         | Masataka DEIE, et al.    |
|          | 1-1-SY1-3   | Education about the functional anatomy of the foot and ankle, and total ankle replacement | The Japanese Society for Surgery of the Foot/
|          | 1-1-SY1-4   | Education and training system of shoulder arthroplasty              | Japan Shoulder Society/
|          |             | Dept. Orthop. Surg., Dokkyo Medical Univ.                         | K. TAMAI                |
|          | 1-1-SY1-5   | Today and future in training system for total elbow arthroplasty: A questionnaire study from council members in Japan Elbow Society | Japan Elbow Society/

<table>
<thead>
<tr>
<th>Time</th>
<th>Symposium</th>
<th>Title</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00~11:30</td>
<td>1-1-SY2-1</td>
<td>Preoperative planning using computer simulation system in total knee arthroplasty</td>
<td>Dept. Orthop. and Musculoskeletal Surg., Graduate School of Medicine, Kyoto Univ.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shinichi KURIYAMA, et al</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1-1-SY2-2</td>
<td>Accuracy of three-dimensional preoperative planning in total knee arthroplasty</td>
<td>Dept. Orthop. Surg., Graduate School of Medical Sciences, Kyushu Univ.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hideki MIZU-UCHI, et al</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yasuo NIKI, et al</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1-1-SY2-4</td>
<td>The clinical usefulness of the three-dimensional preoperative planning for TKA</td>
<td>Niigata Univ. Medical and Dental Hosp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Osamu TANIFUJI, et al</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shigeshi MORI, et al</td>
<td></td>
</tr>
</tbody>
</table>
11:45～12:55  Luncheon seminar 1
Moderator: Nobuhiro YUASA

1-1-LS1  Transition and clinical practice of short stem combined with three dimensional printer
Joint and Implant Surg., Osaka Hosp.  Katsuya NAKATA  262
Sponsored by Smith & Nephew KK

13:20～14:50  Symposium 3  Think in terms of reason for revision THA
−Aim for 30-year survival−
Moderators: Kazuo KANEKO, Yoichiro DOHMAE

1-1-SY3-1  Primary THA learned from revision THA
Dept. of Orthop. Surg., Kansai Medical Univ.  Hirokazu IIDA  284

1-1-SY3-2  Effect of implant designs on the revision rate of total hip arthroplasty

1-1-SY3-3  The relation between the experience of operator and postoperative outcome after primary total hip arthroplasty
Graduate School of Medicine and Dental Sciences  Hayato SUZUKI, et al  285

1-1-SY3-4  Revision THA for recurrent dislocation –Multicenter study–
Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kyushu Univ.
Yasuhiro NAKASHIMA, et al  285

1-1-SY3-5  Prevention of revision total hip arthroplasty due to infection

15:00～16:10  Afternoon seminar 1
Moderator: Masao AKAGI

1-1-AS1-1  Scientific evidences of soft-tissue healing after total knee arthroplasty

1-1-AS1-2  Procedural tips for better functional recovery and elimination of SSI
Kushiro Sanjikai Hosp., Arthroscopy and Arthroplasty Center  Osamu NISHIIE  270
Sponsored by Johnson & Johnson K. K.

16:20～17:50  Symposium 4  Postoperative evaluation for TKA −Aim for consistent evaluation−
Moderators: Ryuichi GEJO, Yukihide MINODA

1-1-SY4-1  The association between the postoperative three-dimensional assessment and clinical outcomes
Niigata Univ. Medical and Dental Hosp.  Tomoharu MOCHIZUKI, et al  286

1-1-SY4-2  Postoperative alignment and clinical results after total knee arthroplasty
Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kyushu Univ.  Ken OKAZAKI, et al  287

1-1-SY4-3  Relationship between soft tissue balance in total knee arthroplasty and postoperative patients oriented assessments
Dept. of Joint Center, Shin-Kaminokawa Hosp.  Hitoshi SEKIYA, et al  287
1-1-SY4-4  Assessment of the correlation between clinical results and the laxity in total knee arthroplasty

1-1-SY4-5  The relationship between clinical results and soft tissue balancing in TKA with gap balancing technique
# Friday, February 24, Room 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderator</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:10~9:10</td>
<td>Invited lecture 1</td>
<td>Yasuo NIKI</td>
</tr>
<tr>
<td>1-2-IL1</td>
<td>Ensuring success in joint arthroplasty: A patient focused and evidence based approach</td>
<td></td>
</tr>
<tr>
<td>9:20~10:20</td>
<td>Invited lecture 2</td>
<td>Akio KOBAYASHI</td>
</tr>
<tr>
<td>1-2-IL2</td>
<td>What is normal for the replaced knee? Alignment, kinematics, and an illusion</td>
<td></td>
</tr>
<tr>
<td>10:30~11:30</td>
<td>Invited lecture 3</td>
<td>Nobuhiko SUGANO</td>
</tr>
<tr>
<td>1-2-IL3</td>
<td>Future perspectives of robotic surgery in THA</td>
<td></td>
</tr>
<tr>
<td>11:45~12:55</td>
<td>Luncheon seminar 2</td>
<td>Shuichi MATSUDA</td>
</tr>
<tr>
<td>1-2-LS2</td>
<td>Bi-cruciate retaining total knee arthroplasty: A systematic approach to evidence based, successful implementation</td>
<td></td>
</tr>
<tr>
<td>13:50~14:50</td>
<td>Invited lecture 4</td>
<td>Yoshio KOGA</td>
</tr>
<tr>
<td>1-2-IL4</td>
<td>Mechanisms limiting deep knee flexion after TKA</td>
<td></td>
</tr>
<tr>
<td>15:00~16:10</td>
<td>Afternoon seminar 2</td>
<td>Shigenobu FUKUSHIMA</td>
</tr>
<tr>
<td>1-2-AS2-1</td>
<td>Wound closure in THA using barbed suture for shortening of operation time and SSI prevention</td>
<td></td>
</tr>
<tr>
<td>1-2-AS2-2</td>
<td>Wound closure methods for prevention of surgical site infection and pathologic scars</td>
<td></td>
</tr>
</tbody>
</table>

*Sponsored by Zimmer Biomet G.K.*
<table>
<thead>
<tr>
<th>16:20〜17:50</th>
<th>Panel discussion 1</th>
<th>Preoperative planning for THA -Case discussion-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moderators: Yutaka INABA, Nobuiko SUGANO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1-2-PD1  Panelists  
Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine  
Tamagawa Hosp.  
Dept. of Orthop. Surg., Integrated Health Sciences, Institute of Biomedical & Health Sciences, Hiroshima Univ.  
Div. of Orthop. Surg., Niigata Univ. Graduate School of Medicine and Dental Sciences  

Yoshitomo KAJINO  
Hiroshi KOYAMA  
Akimasa KIMURA  
Takeshi SHOJI  
Dai MIYASAKA

--------------------------304
Friday, February 24, Room 3

8:10～9:40  Symposium 5  Soft tissue evaluation for THA
Moderators : Hirotugu OASHI, Izumi MINATO

1-3-SY5-1  Clinical anatomy of the hip joint for total hip arthroplasty
Dept. of Orthop. Surg., Itabashi Chuo Medical Center  Nobuhiro YUASA ……289

1-3-SY5-2  Soft tissue tension in total hip arthroplasty: Intra- and post-operative evaluation by
limb traction

1-3-SY5-3  Intra-operative analysis of the role of piriformis in hip joint stability using tensor
Dept. of Orthop. Surg., Univ. of Toyama  Isao MATSUSHITA, et al ……290

1-3-SY5-4  Significance of evaluating the soft-tissue balancing in THA

1-3-SY5-5  Intraoperative evaluation of joint stability by various surgical approaches in total hip
arthroplasty

10:00～11:30  Symposium 6  Current status of Unlinked TEA (indication and limitation)
Moderators : Katsumitsu ARAI, Hiroyuki KATO

1-3-SY6-1  The unlinked type of K–NOW total elbow arthroplasty
Dept. of Orthop. Surg., Toho Univ. School of Medicine  Hiroyasu IKEGAMI, et al ……291

1-3-SY6-2  Long term clinical outcome and concerns of total elbow arthroplasty by alumina
ceramic elbow prosthesis
Dept. of Human Morphology, Okayama Univ. Graduate School  Keiichiro NISHIDA, et al ……292

1-3-SY6-3  Clinical outcome of MNSK unlinked total elbow arthroplasty
Div. of Orthop. Surg., Dept. of Regenerative and
Transplant Medicine, Niigata Univ. Graduate
School of Medical and Dental Sciences  Naoki KONDO, et al ……292

1-3-SY6-4  Results after primary, corrective, and revision surgeries of the Kudo elbow: A study of
53 elbows

11:45～12:55  Luncheon seminar 3
Moderator : Takashi SATO

1-3-LS3  The concept of medial pivot knee
Dept. of Orthop. Surg., Univ. of Michigan, Ann Arbor, MI, USA  John David BLAHA ……263
Sponsored by MicroPort Orthopedics Japan K.K.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:20-14:50</td>
<td>Symposium 7</td>
<td><strong>Knack for better outcome of reverse shoulder</strong></td>
<td><strong>Japanese typical complication and its strategy</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Moderators: Kazuya TAMAI, Naoki SUENAGA</td>
<td></td>
</tr>
<tr>
<td>1-3-SY7-1</td>
<td>Reverse shoulder arthroplasty: Early results and concerns</td>
<td>Sports Medicine &amp; Joint Center, Funabashi Orthop. Hosp.</td>
<td>Hiroyuki SUGAYA, et al ...</td>
</tr>
<tr>
<td>1-3-SY7-2</td>
<td>Reverse shoulder arthroplasty: Does size matter?</td>
<td>Fukui General Hosp.</td>
<td>Kotaro YAMAKADO ...</td>
</tr>
<tr>
<td>1-3-SY7-3</td>
<td>Short-term outcomes of reverse total shoulder arthroplasty</td>
<td>Dept. of Orthop. Surg., Toho Univ. School of Medicine</td>
<td>Hiroyasu IKEGAMI, et al ...</td>
</tr>
<tr>
<td>1-3-SY7-4</td>
<td>Complications and its managements of reverse shoulder arthroplasty</td>
<td>Dept. of Orthop. Surg., Fukuoka Univ., Faculty of Medicine</td>
<td>Teruaki IZAKI, et al ...</td>
</tr>
<tr>
<td>1-3-SY7-5</td>
<td>Intraoperative neuro-monitoring in reverse total shoulder arthroplasty</td>
<td>Dept. of Orthop. Surg., Graduate School of Medicine, Gunma Univ.</td>
<td>Atsushi YAMAMOTO, et al ...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:00-16:10</td>
<td>Afternoon seminar 3</td>
<td><strong>Afternoon seminar 3</strong></td>
<td>Moderator: Nobuhiko SUGANO</td>
</tr>
<tr>
<td>1-3-AS3-1</td>
<td>Cutting-edge handheld THA technology that tells me what I’m doing, not what to do: The perfect solution</td>
<td>OrthAlign, Inc.</td>
<td>James Young KIM ...</td>
</tr>
<tr>
<td>1-3-AS3-2</td>
<td>THA surgery supported by palm sized navigation system –Based on clinical experience in multicenter hospitals–</td>
<td>Shiraniwa Hosp., Joint Arthroplasty Center</td>
<td>Kentaro IWAKIRI ...</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sponsored by Zimmer Biomet G.K.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:20-17:20</td>
<td>Educational lecture 1</td>
<td><strong>Educational lecture 1</strong></td>
<td>Moderator: Satoru OZEKI</td>
</tr>
<tr>
<td>1-3-EL1</td>
<td>Indication and operative techniques of total ankle arthroplasty and ankle arthroplasty using artificial total talar prosthesis</td>
<td>Dept. of Orthop. Surg., Nara Medical Univ.</td>
<td>Yasuhito TANAKA ...</td>
</tr>
<tr>
<td>Time</td>
<td>Room</td>
<td>Moderators</td>
<td>Oral 1/Oral 2</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>------------</td>
<td>--------------</td>
</tr>
</tbody>
</table>
| 8:10~9:10 | Oral 1/Oral 2 | TKA outcome 1 | Moderator: Akira ARAKAKI | 1-4-OR1-1 | Midterm outcomes of MIS–total knee arthroplasty  
Kawaguchi Kogyo General Hosp.  Toru TAKAHASHI, et al .......313 |
| 1-4-OR1-2 | Midterm surgical outcomes in primary total knee arthroplasty using navigation system  
| 1-4-OR1-3 | Medium-term results of range of motion after posterior cruciate retaining fine knee arthroplasty of 404 cases  
Daiyukai General Hosp., Arthroplasty Center  Kunio NAKANE, et al .......313 |
| 1-4-OR1-4 | Outcomes of total knee arthroplasty after high tibial osteotomy  
| 1-4-OR1-5 | Long term results of mobile bearing total knee arthroplasty without patellar resurfacing  
| 1-4-OR1-6 | Medium–long term result of LFA ceramic TKA  
Dept. of Orthop., Dokkyo Univ.  School of Medicine Koshigaya Hosp.  Yoko MASUDA, et al .......314 |
| 1-4-OR1-7 | Comparison of long-term clinical outcomes after bilateral mobile–bearing total knee arthroplasties using PCL–retaining and PCL-substituting implants in the same patients  
Ishii Orthop. & Rehab. Clinic  Yoshihori ISHII, et al .......314 |
| 9:20~10:20 | Oral 1/Oral 2 | TKA outcome 1/2 | Moderator: Kazuhide TOMARI | 1-4-OR2-1 | Postoperative patient satisfaction after total knee arthroplasty  
Emoto Knee and Sport Clinic  Makoto IKEDA, et al .......314 |
| 1-4-OR2-2 | The effect of patient reported and doctor derived outcome measure for patients’ satisfaction after total knee arthroplasty  
Dept. of Orthop. Surg., Shiga Univ. of Medical Science  Hitomi FUJIKAWA, et al .......315 |
| 1-4-OR2-3 | The influence of age on post–operative patient satisfaction after total knee arthroplasty  
Steel Memorial Hirohata Hosp.  Tomoyuki KAMENAGA, et al .......315 |
| 1-4-OR2-4 | Comparison of post–operative patient satisfaction between CR–TKA and PS–TKA  
Steel Memorial Hirohata Hosp.  Tomoyuki KAMENAGA, et al .......315 |
| 1-4-OR2-5 | Comparison of patient satisfaction after total knee arthroplasty with measured resection and modified gap technique in the same patient  
| 1-4-OR2-6 | The effect of coronal alignment on the doctor–derived outcome, patient–reported outcome, and the patients’ satisfaction after total knee arthroplasty  
Dept. of Orthop. Surg., Shiga Univ. of Medical Science  Mitsuhiro KUBO, et al .......316 |
| 1-4-OR2-7 | Postoperative anteroposterior laxity influence subjective outcome after total knee arthroplasty  
10:30~11:30 Oral 3 TKA outcome 3 Moderator: Hiroshi TSUMURA

1-4-OR3-1 Varus knees have medial shift of tibial articular surface and this medial shift influences alignment in TKA  
Center of Artificial Joint and Rheumatism, Fukuoka Tokushukai Medical Center  
Ryuji NAGAMINE, et al  316

1-4-OR3-2 Difference between CT and X-ray for measurement of frontal knee alignment after TKA  
Nagoya Joint Replacement Orthop. Clinic  
Michitaka KATO, et al  316

1-4-OR3-3 Does residual varus alignment cause increasing varus laxity after total knee arthroplasty?  
Japan Community Health Care Organization Gunma Central Hosp.  
Kazuhisa HATAYAMA, et al  317

1-4-OR3-4 Assessment between New Knee Society Score and postoperative 3D implant position  
Kawaguchi Municipal Medical Center  
Takanobu SUMINO, et al  317

1-4-OR3-5 Changes in bone density of tibia in total knee arthroplasty with posterior stabilizer: Comparison of varus knee and valgus knee  
Satomi NAGAMINE, et al  317

1-4-OR3-6 A longitudinal study of the quantitative evaluation of patella cartilage after ceramic total knee replacement by magnetic resonance imaging  
Jun UCHIDA, et al  317

1-4-OR3-7 Clinical results of unintentional kinematically aligned TKA  
Hachiya Orthop. Hosp.  
Hiroki WATANABE, et al  318

11:45~12:55 Luncheon seminar 4 Moderator: Yoshinori KADOYA

1-4-LS4 Preliminary results of a novel medially stabilized total knee replacement implant  
Royal London Hosp, London, United Kingdom  
Gareth SCOTT  263

Sponsored by Medacta Japan Co., Ltd.

13:50~14:50 Oral 4 TKA outcome 4 Moderator: Nobuto KITAMURA

1-4-OR4-1 Comparative usefulness of using postoperative dressings after bilateral total knee arthroplasty: Aquacel Surgical vs Opsite Post-Op Visible  
The Dept. of Orthop. Surg., Nihon Univ.  
Rei SUZUKI, et al  318

1-4-OR4-2 Elevation of D-dimer and FDP values prevents the negative conversion of CRP values in total knee arthroplasty  
Dept. of Orthop. Surg., Toho Univ.  
Takuya FUJIMOTO, et al  318

1-4-OR4-3 Effects of neuromuscular and quadriceps strengthening exercise on knee function at an early stage after primary total knee arthroplasty  
Dept. of Rehab., Anshin Hosp.  
Osamu WADA, et al  318

1-4-OR4-4 The change of muscle mass and bone density of proximal femur in total knee arthroplasty  
Dept. of Orthop., Sasayama Medical Center, Hyogo College of Medicine  
Shotaro TSUJI, et al  319
1-4-OR4-5 Locomotive score of patient of knee arthroplasty

1-4-OR4-6 Joint laxity after total knee arthroplasty with good range of motion
Dept. of Orthop. Surg., Tokyo Medical and Dental Univ. Hosp. of Medicine Toshifumi WATANABE, et al......319

1-4-OR4-7 A comparative study of whole body vibration training and conventional training after total knee arthroplasty

15:00~16:10 Afternoon seminar 4  Moderator: Haruhiko AKIYAMA

1-4-AS4 Restoration of Denosumab on suppressive periprosthetic BMD in cementless THA
Sponsored by DAIICHI SANKYO CO., LTD.

16:20~17:20 Oral 5 TKA complication  Moderator: Sadafumi ICHINOHE

1-4-OR5-1 The usefulness of early administration of anticoagulant with femoral nerve block for the prevention of venous thromboembolism after TKA

1-4-OR5-2 Evaluation for the safety and efficacy of antithrombotic therapy with Edoxaban 15mg after total knee arthroplasty
Kochi Prefecture Hata Kenmin Hosp. Makoto KOMATSU, et al......320

1-4-OR5-3 Periprosthetic fracture after PS type total knee arthroplasty
Dept. of Orthop. Surg., Osaka City Univ., Graduate Medical School Suguru NAKAMURA, et al......320

1-4-OR5-4 Risk factors of periprosthetic tibial fractures after TKA
Hiroshima Prefectural Hosp. Akinori NEKOMOTO, et al......320

1-4-OR5-5 Dark side of ceramic femoral components: Debonding

1-4-OR5-6 Knee arthroscopy for painful knee arthroplasty
Dept. of Orthop. Surg., Faculty of Medicine, The Univ. of Tokyo Haruhiko NAKAMURA, et al......321

1-4-OR5-7 Do perioperative findings of infrapatellar branch of saphenous nerve become predictor of postoperative sensory disturbance of anterior knee in TKA?
<table>
<thead>
<tr>
<th>Time</th>
<th>Section</th>
<th>Title</th>
<th>Presenter</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:10~9:00</td>
<td>Oral 6</td>
<td>Short term outcomes of total hip arthroplasty through a direct anterior approach using cemented stems</td>
<td>Funabashi Orthop. Hosp.</td>
<td>Hiroyuki YOSHII, et al</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Radiological results of Charnley total hip arthroplasty</td>
<td>Ashigarakami Hosp.</td>
<td>Masahiro MATSUMOTO, et al</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total hip arthroplasty after proximal femoral osteotomy</td>
<td>Dept. of Orthop. Surg., Hamamatsu Medical Center</td>
<td>Kazuya MAKIDA, et al</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Factors associated with failed total hip arthroplasty using taper polished stem</td>
<td>Shiga Medical Hosp. for Adults</td>
<td>Youngwoo KIM, et al</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mid-term results of total hip arthroplasty with CMK stem</td>
<td>Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ.</td>
<td>Yuya KAWARAI, et al</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reattachment using an ultrahigh molecular weight polyethylene fiber cable in modified Dall’s approach</td>
<td>Dept. of Orthop. Surg., Kansai Medical Univ.</td>
<td>Fumito KOBAYASHI, et al</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The experience of cement stem with modern cement technique in OCM approach</td>
<td>Dept. of Orthop. Surg., Wakayama Medical Univ.</td>
<td>Takaya TANIGUCHI, et al</td>
</tr>
<tr>
<td>10:30~11:30</td>
<td>Oral 8</td>
<td>Assessment of the calculation method of the linear and volumetric wear</td>
<td>Dept. of Orthop. and Musculoskeletal Surg., Graduate School of Medicine, Kyoto Univ.</td>
<td>Kazutaka SO, et al</td>
</tr>
</tbody>
</table>

Moderator: Kenichi OE

Moderator: Tamon KABATA

Moderator: Masaaki MAWATARI
1-5-OR8-2 Clinical evaluation of ArCom® as a liner material: Ten-year results of THA
Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo Hirofumi OSHIMA, et al......325

1-5-OR8-3 Comparison of wear rate between first-generation remelted and second-generation annealed highly cross-linked polyethylene in total hip arthroplasty
Section of Orthop. and Spinal Surg., Tokyo Medical and Dental Univ., Graduate School Ryohei TAKADA, et al......325

1-5-OR8-4 The influences of early radiolucent lines appearing on femoral head penetration into 1st generation highly cross-linked polyethylene cemented socket
Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ. Daigo MORITA, et al......325

1-5-OR8-5 Long-term results of HXLPE wear between 26mm and 32mm CoCr Head
Osaka–Minami Medical Center Keisuke HAGIO, et al......325

1-5-OR8-6 Wear and osteolysis of highly cross-linked polyethylene at minimum 10 years
Toyama Municipal Hosp. Shintaro IWAI, et al......325

1-5-OR8-7 Wear of E1 liner in THA for dysplastic hip OA: A comparison between metal and ceramic head in multi-center study

11:45～12:55 Luncheon seminar 5
Moderator : Hiromasa MIURA

1-5-LS5 Pathology and treatment for knee pain, from the view point of motion analysis and exercise training
Dept. of Orthop. Surg., Aichi Medical Univ. Masataka DEIE......264
Sponsored by Taisho Toyama Pharmaceutical Co., Ltd.

13:40～14:50 Oral 9 Pelvic tilt in THA
Moderator : Masahiko NOZAWA

1-5-OR9-1 The changes of lumber lordosis and sacral slope after total hip arthroplasty

1-5-OR9-2 The Investigation between acetabular dysplasia of coxarthrosis and lumbar deformation
Rosal Hosp. of Chiba Masahiro SUZUKI, et al......326

1-5-OR9-3 Comparison of intraoperative sagittal pelvic inclination between OCM approach and posterolateral approach in O-arm images

1-5-OR9-4 Degitized analyses of preoperative pelvic position and perioperative cup position using image–matching technique in total hip arthroplasty

1-5-OR9-5 SterEOS demonstrated correlation between anterior pelvic plane tilting and sacral slope in pre– and post–operative image analysis
Niigata Hip Joint Center in Kameda Daiichi Hosp. Kunihiko TOKUNAGA, et al......327

1-5-OR9-6 Method to reduce variations of inclination angle of the acetabular component by gravity line on X-ray image during THA
### 15:00~16:10 Afternoon seminar 5

- **15-OR9-7**
  - Factors influence the accuracy of acetabular component placement in total hip arthroplasty in lateral decubitus position using preoperative fluoroscopy
  - Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine
  - Tsuyoshi GOTO, et al. 328

- **15-OR9-8**
  - Total hip arthroplasty using dual mobility system for the case who has marked pelvic posterior tilt
  - Tokushima Prefectural Central Hosp.
  - Masashi KANO, et al. 328

### 16:20~17:20 Oral 10 THA biomechanics

- **15-OR10-1**
  - Relations of ankle push off power and the hip joint movement before and after the total hip arthroplasty
  - Dept. of Orthop., Surg., Graduate School of Biomedical Sciences, Hiroshima Univ.
  - Mikiya SAWA, et al. 328

- **15-OR10-2**
  - The correlation between radiological outcome and contact state of implant and femur by using three dimensional templating software in THA
  - Dept. of Restorative Medicine of Neuro-Musculoskeletal System, Kanazawa Univ.
  - Daisuke INOUE, et al. 328

- **15-OR10-3**
  - Femoral asymmetry of dysplastic hip
  - Dept. of Orthop., Medical Engineering, Graduate School of Medicine, Osaka Univ.
  - Kazunori TAMURA, et al. 329

- **15-OR10-4**
  - Leg length and offset measurement variance caused by the pelvic rotation in an experimental total hip arthroplasty
  - Naoya KIKUCHI, et al. 329

- **15-OR10-5**
  - Influences of patients’ characteritics on femoral rotation angle after total hip arthroplasty
  - Dept. of Orthop., Surg., Yokohama City Univ.
  - Taro TEZUKA, et al. 329

- **15-OR10-6**
  - Rotational change of the femur from supine to standing position
  - Dept. of Orthop., Medical Engineering, Graduate School of Medicine, Osaka Univ.
  - Keisuke UEMURA, et al. 329

- **15-OR10-7**
  - Gait analysis before and after THA using a behavior analysis system “Akira”
  - Edogawa Hosp. Keiyu Joint Reconstruction Center
  - Ryoichi IZUMIDA, et al. 330
# Friday, February 24, Room 6

## 8:10~9:10 Oral 11  THA approach 1

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-6-OR11-2</td>
<td>Deference between DAA with leg positioner and ALS in early term results of THA</td>
<td>Masaharu AIHARA, et al</td>
<td>Joint Reconstruction Center, Aihsara Hosp.</td>
</tr>
<tr>
<td>1-6-OR11-3</td>
<td>The Usefulness of anterolateral-supine approach in total hip arthroplasty <del>Relations of difficulty and the pelvic form</del></td>
<td>Hideki FUJII, et al</td>
<td>Dept. of Orthop. Surg., The Jikei Univ. School of Medicine</td>
</tr>
<tr>
<td>1-6-OR11-4</td>
<td>Supine positon increased the outliers of cup alignment in total hip arthroplasty with modified Watson–Jones approach <del>Analysis using 3DCT measurement</del></td>
<td>Yuichi KISHIMURA, et al</td>
<td>Dept. of Orthop. Surg., The Jikei Univ. School of Medicine</td>
</tr>
<tr>
<td>1-6-OR11-5</td>
<td>Evaluation of gluteus medius muscle after total hip arthroplasty using anterolateral supine approach</td>
<td>Tomohiro GOTO, et al</td>
<td>Dept. of Orthop., The Univ. of Tokushima</td>
</tr>
</tbody>
</table>

## 9:20~10:20 Oral 12  THA approach 2

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-6-OR12-2</td>
<td>Kerboull-type plate for severe bone defect at primary THA using direct anterior approach</td>
<td>Tomonori BABA, et al</td>
<td>Dept. of Orthop., Juntendo Univ.</td>
</tr>
<tr>
<td>1-6-OR12-3</td>
<td>Utility of femoral hook system for femur elevation in direct anterior approach for total hip arthroplasty</td>
<td>Satoshi NAKASONE, et al</td>
<td>Orthop. Surg., Univ. of the Ryukyus</td>
</tr>
<tr>
<td>1-6-OR12-4</td>
<td>Over-retraction is a risk factor of lateral femoral cutaneous nerve impairment after direct anterior approach for total hip arthroplasty</td>
<td>Jun KAWAI, et al</td>
<td>Center for Joint Replacement, JCHO Tamatsukuri Hosp.</td>
</tr>
<tr>
<td>1-6-OR12-6</td>
<td>Hip joint lateral approach in which gluteus medius muscle and gluteus minimus muscle are separated by another part</td>
<td>Keiichi KAWANABE, et al</td>
<td>Shiga Medical Center for Adults</td>
</tr>
</tbody>
</table>
1-6-OR12-7  The relationship among surgical approach for THA, BMI and the depth to the surgical site

10:30~11:30  Oral 13  THA infection  Moderator: Satoshi NAGOYA

1-6-OR13-1  Optimal sonication time for diagnosis of implant–associated infection

1-6-OR13-2  Intraoperative pathological findings of periprosthetic tissues during revision total arthroplasty following periprosthetic infection
The Near–Future Locomotor Organ Medicine Creation Course, Kagoshima Univ.  Takao SETOGUCHI, et al …334

1-6-OR13-3  Bacteria detected from the operative field in artificial joints surgery

1-6-OR13-4  Histopathological diagnosis in periprosthetic joint infection after total hip arthroplasty

1-6-OR13-5  The relationship between triple–phase bone scintigraphy and serological and microbiological investigations in prosthetic joint infection

1-6-OR13-6  Clinical result of infected total hip arthroplasty –Irrigation and debridement vs two staged revision–

1-6-OR13-7  The factor which affects the length–of–stay of the infected patient after periprosthetic joint infection judging from DPC data
Dept. of Orthop. Surg., School of Medicine, Univ. of Occupational and Environmental Health  Ken SABANAI, et al …335

11:45~12:55  Luncheon seminar 6  Moderator: Masaaki MATSUBARA

1-6-LS6  Short hip stem: What we have learned from over 10–year clinical experiences
Dept. of Orthop., Herzogen Elisabeth Hospital, Braunschweig, Germany  Karl–Dieter HELLER …264
Sponsored by B. Braun Aesculap Japan Co., Ltd.

13:50~14:50  Oral 14  THA implant design 1  Moderator: Hajime SUGIYAMA

1-6-OR14-1  Efficacy of patient specific template for short stem implantation

1-6-OR14-2  Efficacy of short type stem for narrow femoral canal cases

1-6-OR14-3  A radiographic comparison of rectangular standard length stem and rectangular curved short stem in total hip arthroplasty
第47回日本人工関節学会

1-6-OR14-4  Clinical results of flat–tapered–wedge cementless stem –Comparison between short stem and standard stem–

1-6-OR14-5  Contact patterns with the femoral flare and bone reactions in short stem

1-6-OR14-6  Clinical results of the total hip replacements using Zweymüller stem with modular neck
Joint Replacement Center, National Tokyo Medical Center  Yoshinari FUJITA, et al  336

1-6-OR14-7  Bone reaction of proximal femur using cementless stem

15:00〜16:10  Afternoon seminar 6  Moderator: Setsuro KOMIYA

1-6-AS6-1  Ceramic–on–Ceramic in primary and revision hip arthroplasty: Pros and cons
Dept. of Orthop., Herzogin–Elisabeth–Hospital, Braunschweig, Germany  Karl–Dieter HELLER  274

1-6-AS6-2  Ceramic–on–Ceramic in THA: Latest news around the world
CeramTec GmbH  Martin ZIMMERMANN, et al  275
Sponsored by CeramTec GmbH

16:20〜17:20  Oral 15  THA implant design 2  Moderator: Tetsuya JINNO

1-6-OR15-1  Postoperative radiological evaluation of primary total hip arthroplasties using a Corail HA coated cementless stem
Sonoda Joint Replacement Center Hosp.  Hiromasa MITSUI, et al  337

1-6-OR15-2  Incidence of reactive line following total hip arthroplasty using taper wedge type stem
Saiseikai Yokohamashi Tobu Hosp.  Atsuhiko FUJIE, et al  337

1-6-OR15-3  (Cancelled)

1-6-OR15-4  Three dimensional evaluation of fixation style of various taper wedge short stems
Joint Surg. Center, Chiba Medical Center  Isao ABE, et al  338

1-6-OR15-5  Relationship between insertion angle of taper wedge stem and contact zone of femur cortical bone
Dept. of Orthop. Surg., Graduate School of Biomedical Sciences, Hiroshima Univ.  Hiroaki MURAKAMI, et al  338

1-6-OR15-6  Periprosthetic changes in bone mineral density after cemented total hip arthroplasty: A comparison of SC stem and Exeter stem
Center for Joint Replacement, JCHO Tamatsukuri Hosp.  Shohei YOSHIDA, et al  338

1-6-OR15-7  Mid-term results of modular neck for dysplasia –Minimum 5 years follow up study–
Shonan Kamakura Joint Reconstruction Center  Akira SAITO, et al  338
Friday, February 24, Room 7

8:10~9:10 Oral 16 UKA 1

1-7-OR16-1 Annual trends and demographics in knee arthroplasty and tibial osteotomy: Analysis of a national inpatient database in Japan
  Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo  Manabu KAWATA, et al  339

1-7-OR16-2 Comparison of unicompartamental knee arthroplasty and high tibial osteotomy

1-7-OR16-3 Mid-term results of fixed-bearing UKA and mobile-bearing UKA

1-7-OR16-4 Mid and long term results of medial UKA with residual varus limb alignment

1-7-OR16-5 Long term results of Oxford UKA for severe virus deformity
  Shounan Kamakura Knee Reconstruction Center  Ichiroh TATSUMI, et al  340

1-7-OR16-6 The evaluation of clinical outcome after unicompartamental knee arthroplasty of anterior cruciate ligament deficient knee

1-7-OR16-7 Correlation between anterior cruciate ligament and clinical outcomes in unicompartamental knee arthroplasty

9:20~10:20 Oral 17 UKA 2

1-7-OR17-1 3 Dimental analysis of rotation of femoral component in unicompartamental knee arthroplasty

1-7-OR17-2 Position and rotation of meniscal bearing in Oxford uni
  Nakanoshima Iwaki Hosp.  Atsutoshi MAKI, et al  341

1-7-OR17-3 Measurement of intraoperative gap in unicompartamental knee arthroplasty

1-7-OR17-4 Examination of appropriately intraoperative gap balance in UKA

1-7-OR17-5 In vivo three dimensional kinematics during deep knee–bending activities in unicompartamental knee arthroplasty
  Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo  Kenichi KONO, et al  341

1-7-OR17-6 Kinematic analysis of mobile bearing in Oxford UKA
  Arthroplasty Center Dept. of Orthop. Surg., Rinku General Medical Center  Noriyoshi SAWADA, et al  342

1-7-OR17-7 Navigation based kinematics of unicompartamental knee arthroplasty
### 10:30～11:30 Oral 18 UKA 3

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-7-OR18-2</td>
<td>Relation between pre-operative valgus stress and correction angle of FTA in the Oxford mobile UKA</td>
<td>Dept. of Orthop. Surg., Keio Univ. Shu KOBAYASHI, et al. 342</td>
</tr>
<tr>
<td>1-7-OR18-3</td>
<td>Lower limb alignment evaluation with hip-knee-calcaneous angle after unicompartmental knee arthroplasty</td>
<td>Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine Koji TAKAYAMA, et al. 343</td>
</tr>
<tr>
<td>1-7-OR18-4</td>
<td>Correlation between postoperative alignment and clinical results of medial UKA</td>
<td>Dept. of Orthop. Surg., Niigata Center Hosp. Munenori MATSUEDA, et al. 343</td>
</tr>
<tr>
<td>1-7-OR18-6</td>
<td>A rotational alignment of tibia component with unicompartmental knee arthroplasty</td>
<td>Dept. of Orthop. Surg., Hiroshima Prefectural Akitsu Hosp. Toshihiko GOTO, et al. 343</td>
</tr>
<tr>
<td>1-7-OR18-7</td>
<td>The influence of the indication and the positioning of the component to the patient-reported outcome in unicompartemental knee arthroplasty</td>
<td>Fukuoka Orthop. Hosp. Eiji YOSHIMOTO, et al. 344</td>
</tr>
</tbody>
</table>

### 11:45～12:55 Luncheon seminar 7

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-7-LS7</td>
<td>Highly porous cup: The history and development of the cementless cup</td>
<td>Dept. of Bone and Joint Surg., Kawasaki Medical School Yoshifumi NAMBA 265</td>
</tr>
</tbody>
</table>

Sponsored by Teijin Nakashima Medical Co., Ltd.

### 13:50～14:50 Oral 19 UKA 4

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-7-OR19-1</td>
<td>Outcome of unicompartental knee arthroplasty -Age and weight-</td>
<td>Dept. of Orthop. Surg., Hankai Hosp. Takuya KUBO, et al. 344</td>
</tr>
<tr>
<td>1-7-OR19-2</td>
<td>Factors which influence on the postoperative flexion angle of UKA</td>
<td>Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo Hiroshi INUI, et al. 344</td>
</tr>
<tr>
<td>1-7-OR19-3</td>
<td>Change of patellofemoral congruence after unicompartental knee arthroplasty</td>
<td>Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo Ryota YAMAGAMI, et al. 344</td>
</tr>
<tr>
<td>1-7-OR19-4</td>
<td>The study about the concavity of the patella after UKA</td>
<td>Dept. of Orthop. Surg., Kansai Medical Univ. Tomohiro KAMO, et al. 345</td>
</tr>
<tr>
<td>1-7-OR19-6</td>
<td>Review of risk factors of tibia fracture after cementless Oxford UKA</td>
<td>Dept. of Orthop. Surg., JCHO Saitama Medical Center Hiroya KANAGAWA, et al. 345</td>
</tr>
<tr>
<td>Session 16:20-17:30</td>
<td>Oral 20</td>
<td>TKA infection</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------</td>
<td>---------------</td>
</tr>
</tbody>
</table>

1-7-OR19-7 Osteoporosis of the patients performed unicompartmental knee arthroplasty  

1-7-OR20-1 Preventing strategies of periprosthetic infection for nasal MRSA and MRSE carriers during total and unicompartmental knee arthroplasty  

1-7-OR20-2 Prevention of surgical site infection by preoperative nasal carriage screening in total joint arthroplasty  

1-7-OR20-3 Intra-articular and serum concentration of vancomycin after local administration in total knee arthroplasty  
Kishiwada City Hosp. Tetsunao MATSUSHITA, et al. 346

1-7-OR20-4 Serum based diagnosis using humoral immunity for the patients with staphylococcus aureus infection after total knee arthroplasty  
Dept. of Orthop. and Musculoskeletal Surg., Graduate School of Medicine, Kyoto Univ. Kohei NISHITANI, et al. 346

1-7-OR20-5 Treatment of infected total knee arthroplasty with retention of the metal components combination of calcium phosphate cement containing vancomycin  

1-7-OR20-6 Treatment of infected total knee arthroplasty  

1-7-OR20-7 The risk factors of the infections after total knee arthroplasty  
Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine Hiroaki KIJIMA, et al. 347

1-7-OR20-8 PJI of primary TKA and UKA after this hospital opening of 10 years  
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:10~10:20</td>
<td>Oral 21</td>
<td>Total shoulder arthroplasty 1</td>
<td>Moderator: Atsushi YAMAMOTO</td>
</tr>
<tr>
<td>1-8-OR21-1</td>
<td></td>
<td>Measurement of D-dimer in reverse shoulder arthroplasty</td>
<td>Dept. of Orthop. Surg., Kanazawa Medical Univ.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shusuke UEDA, et al ..............................348</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shoji FUKUTA, et al ..............................348</td>
</tr>
<tr>
<td>1-8-OR21-3</td>
<td></td>
<td>Evaluation of glenoid component positioning with use of three-dimensional planning software in the cases of reverse shoulder arthroplasty</td>
<td>Dept. of Orthop. Surg., Osaka City Univ., Graduate Medical School</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yoshihiro HIRAKAWA, et al ........................348</td>
</tr>
<tr>
<td>1-8-OR21-4</td>
<td></td>
<td>CT evaluation of postoperative baseplate screw positioning in the cases of reverse shoulder arthroplasty</td>
<td>Dept. of Orthop. Surg., Osaka City Univ., Graduate Medical School</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yoshihiro HIRAKAWA, et al ........................348</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mitsuko YAMADA .....................................349</td>
</tr>
<tr>
<td>1-8-OR21-6</td>
<td></td>
<td>The learning curve of reverse shoulder arthroplasty</td>
<td>Dept. of Orthop. Surg., Osaka City Univ., Graduate Medical School</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Tomoya MANAKA, et al ..............................349</td>
</tr>
</tbody>
</table>
| 1-8-OR21-7   |         | The clinical value of reverse shoulder arthroplasty with intraoperative O-arm navigation | Seirei Sakura Citizen Hosp.  
|              |         |                                                                      | Yu Sasaki, et al .....................................349 |
| 1-8-OR21-8   |         | The clinical outcomes of reverse shoulder arthroplasty with or without rotator cuff reconstruction | Dept. of Orthop. Surg., Asahikawa Medical College  
|              |         |                                                                      | Naoki MIYOSHI, et al ..............................349 |

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30~11:30</td>
<td>Oral 22</td>
<td>Total shoulder arthroplasty 2</td>
<td>Moderator: Hiroshi HASHIGUCHI</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Atsushi HIRABAYASHI, et al ........................350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Takashi KOBAYASHI, et al ........................350</td>
</tr>
</tbody>
</table>
| 1-8-OR22-3   |         | Reverse total shoulder arthroplasty for cuff tear arthropathy        | Funabashi Orthop. Sports Medicine & Joint Center  
|              |         |                                                                      | Morihito TOKAI, et al ................................350 |
|              |         |                                                                      | Yasuhiro MIZUKI ......................................350 |
1-8-OR22-5  Reversed shoulder arthroplasty with modified L’Episcopo for combined loss of active elevation and external rotation

1-8-OR22-6  The effect of the glenoid component positioning in the cases of bony increased offset reverse shoulder arthroplasty
   Osaka Shoulder Center, Ito Clinic  Yoichi ITO, et al ……351

1-8-OR22-7  Clinical result of reverse shoulder arthroplasty for initial or revision surgery
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:20-10:20</td>
<td>Oral 23</td>
<td>Arthroplasty: Basic research</td>
<td>Moderator: Hiroshi ITO</td>
</tr>
<tr>
<td>1-9-OR23-1</td>
<td></td>
<td>Effects of hydroxyapatite coating on initial stability of tapered wedge stem using patient-specific finite element analysis</td>
<td>Dept. of Orthop., Kochi Medical School, Yusuke OKANOUE, et al. 351</td>
</tr>
<tr>
<td>1-9-OR23-2</td>
<td></td>
<td>Bone-bonding ability of titania-containing bone cement (Ossejoin)</td>
<td>Dept. of Orthop. and Musculoskeletal Surg., Graduate School of Medicine, Kyoto Univ., Koji GOTO, et al. 352</td>
</tr>
<tr>
<td>1-9-OR23-3</td>
<td></td>
<td>Effects of ingredients of bovine serum on wear of ultra-high molecular weight polyethylene</td>
<td>Div. of Medical Devices, National Institute of Health Sciences, Hideyuki SAKODA, et al. 352</td>
</tr>
<tr>
<td>1-9-OR23-4</td>
<td></td>
<td>Measurement of squalene absorbed in retrieved ultra-high molecular weight polyethylene components</td>
<td>Div. of Medical Devices, National Institute of Health Sciences, Hideyuki SAKODA, et al. 352</td>
</tr>
<tr>
<td>1-9-OR23-5</td>
<td></td>
<td>Osteoconductivity of the iodine supported titanium in the rabbit model</td>
<td>Dept. of Restorative Medicine of Neuro-Musculoskeletal System, Kanazawa Univ., Tadashi TAGA, et al. 352</td>
</tr>
<tr>
<td>1-9-OR23-6</td>
<td></td>
<td>A Study about the mechanism of antibacterial effect of silver-containing hydroxyapatite coating</td>
<td>Research Dept., KYOCERA Medical Corp., Iwao NODA, et al. 353</td>
</tr>
<tr>
<td>1-9-OR23-7</td>
<td></td>
<td>Can the anterior trochanteric bump be anatomical landmark indicating femoral neck cut level during hip arthroplasty?</td>
<td>Dept. of Orthop. Surg., Graduate School of Medicine, Osaka Univ., Hidetoshi HAMADA, et al. 353</td>
</tr>
<tr>
<td>10:30-11:30</td>
<td>Oral 24</td>
<td>Postoperative therapy in THA</td>
<td>Moderator: Yuji YASUNAGA</td>
</tr>
<tr>
<td>1-9-OR24-1</td>
<td></td>
<td>Factors associated with the recovery of knee extensor strength after total hip arthroplasty</td>
<td>Dept. of Rehab, Kyoto Univ. Hosp., Takuya HOSOE, et al. 353</td>
</tr>
<tr>
<td>1-9-OR24-2</td>
<td></td>
<td>Effects of hip pain when walking in THA adaptation cases on the hip abductor muscle strength and muscle growth rate</td>
<td>Kakogawa Central City Hosp., Tatsuya KAKEI, et al. 353</td>
</tr>
<tr>
<td>1-9-OR24-3</td>
<td></td>
<td>Femoral anteversion change by total hip arthroplasty surgery will affect the hip abductor muscle strength in the early post-operative</td>
<td>Dept. of Rehab., Hokkaido Univ. Hosp., Fumiya KIZAWA, et al. 354</td>
</tr>
<tr>
<td>1-9-OR24-4</td>
<td></td>
<td>Assessment of muscle strength and intramuscular fat of quadriceps after total hip arthroplasty</td>
<td>Interdisciplinary Graduate School of Medicine and Engineering, Univ. of Yamanashi, Naofumi TANIGUCHI, et al. 354</td>
</tr>
</tbody>
</table>
1-9-OR24-5 The effect of preoperative physiotherapy for post-operative function and walking ability of total hip arthroplasty surgery patients
Dept. of Rehab., Nagoya Orthop. Artificial Joints Clinic  Atsushi SUZUKI, et al ...354

1-9-OR24-6 Evaluation of 5th day discharge program after primary total hip arthroplasty
SKJRC  Koji TSUJI, et al ...354

1-9-OR24-7 Change in physical functions after total hip arthroplasty and factors associated with quality of life
Dept. of Rehab., Hakodate Central General Hosp.  Atsunori YUASA, et al ...355

13:50~14:50 Oral 25  THA outcome 1  Moderator: Masaki TAKAO

1-9-OR25-1 Surgical results of cementless total hip arthroplasty after valgus osteotomy
-Comparison of the mono-block stem and modular stem-
Dept. of Orthop. Surg., Kitasato Univ.  Mitutoshi MORIYA, et al ...355

1-9-OR25-2 Comparizon of different type of total hip arthroplasty after femoral osteotomy for osteonecrosis of the head
Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ.  Yusuke OSAWA, et al ...355

1-9-OR25-3 Total hip arthroplasty after previous proximal femoral osteotomy results in an equivalent outcome to the primary total hip arthroplasty
Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ.  Yasuhiro TAKEGAMI, et al ...355

1-9-OR25-4 Conversion total hip arthroplasty after rotational acetabula osteotomy
Dept. of Orthop. Surg., Showa Univ.  Fumio SUKEZAKI, et al ...356

1-9-OR25-5 Comparizon of long term clinical outcomes of total hip arthroplasty for osteonecrosis of the head associated with steroid or alcohol
Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ.  Yusuke OSAWA, et al ...356

1-9-OR25-6 Short term result of subacute total hip arthroplasty for acetabular fracture

1-9-OR25-7 Total hip arthroplasty for degenerative change after acetabular fracture
Dept. of Orthop. Surg., Univ. of Miyazaki  Yoshihiro NAKAMURA, et al ...356
### Friday, February 24, Room 10

<table>
<thead>
<tr>
<th>9:20~10:20</th>
<th>Oral 26</th>
<th>TKA basic research 1</th>
<th>Moderator: Ken URABE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-10-OR26-1</td>
<td>Method of radiography for patients after total knee arthroplasty</td>
<td>Emoto Knee And Sport Clinic, Hirokazu TAMANAO, et al.</td>
<td>357</td>
</tr>
<tr>
<td>1-10-OR26-2</td>
<td>Femoral rotation and flexion in preoperative radiographs affects the femoral valgus angle during the distal femoral cut in TKA</td>
<td>Izuka Hosp., Kanenobu TSUCHIMOCHI, et al.</td>
<td>357</td>
</tr>
<tr>
<td>1-10-OR26-3</td>
<td>Reliability of three-dimensional femoral bone cut simulation in total knee arthroplasty</td>
<td>Nagaoka Chuo General Hosp., Kazutaka OTANI, et al.</td>
<td>357</td>
</tr>
<tr>
<td>1-10-OR26-4</td>
<td>Changes in the three-dimensional load-bearing axis after mobile-bearing total knee arthroplasty</td>
<td>Ishii Orthop. &amp; Rehab. Clinic, Yoshinori ISHI, et al.</td>
<td>357</td>
</tr>
<tr>
<td>1-10-OR26-5</td>
<td>The assessment of the tibia component rotation angle following TKA by anteroposterior view’s roentgenograph using fluoroscopy at pre- and post-surgery</td>
<td>The Dept. of Orthop. Surg., Nihon Univ., Kunihiro HOSAKA, et al.</td>
<td>358</td>
</tr>
<tr>
<td>1-10-OR26-6</td>
<td>The change of patellar lateral facet in TKA with inset patellar component</td>
<td>Dept. of Orthop. Surg., Kansai Medical Univ., Kohei YAMADA, et al.</td>
<td>358</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10:30~11:30</th>
<th>Oral 27</th>
<th>TKA basic research 2</th>
<th>Moderator: Naohide TOMITA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-10-OR27-1</td>
<td>A new landmark for sagittal alignment in total knee arthroplasty: An anatomical study of medial posterior capsule slope</td>
<td>Orthop. Surg., Nippon Medical School, Graduate School of Medicine, Tatsunori KATAOKA, et al.</td>
<td>358</td>
</tr>
<tr>
<td>1-10-OR27-3</td>
<td>Substantiation of pressure measurement and finite element analysis of post on total knee prostheses</td>
<td>Graduate School of Medical Science, Kitasato Univ., Masaya NAKANO, et al.</td>
<td>359</td>
</tr>
<tr>
<td>1-10-OR27-4</td>
<td>Concept of custom-made implant for knees with anatomic variations</td>
<td>Center of Artificial Joint and Rheumatism, Fukuoka Tokushukai Medical Center, Ryuji NAGAMINE, et al.</td>
<td>359</td>
</tr>
<tr>
<td>1-10-OR27-5</td>
<td>In vivo wear particle analysis of a CR mobile-bearing total knee arthroplasty</td>
<td>Dept. of Orthop. Surg., Osaka City Univ., Graduate School of Medicine, Kumi OGI, et al.</td>
<td>359</td>
</tr>
<tr>
<td>1-10-OR27-6</td>
<td>Proposition of destruction index for predicting the durability of arthroplasty</td>
<td>Dept. of Medical Technology, Graduate School of Technology, Kyoto Univ., Shinji MIKAMI, et al.</td>
<td>360</td>
</tr>
<tr>
<td>1-10-OR27-7</td>
<td>Comparison between BCR-TKA and CR-TKA in the joint stability</td>
<td>Dept. of Orthop., The Univ. of Tokushima, Tomoya TAKASAGO, et al.</td>
<td>360</td>
</tr>
</tbody>
</table>
13:50~14:40  Oral 28  TKA rehabilitation  

Moderator: Tomoyuki SAITO

1-10-OR28-1  Effects of hemorrhage in total knee arthroplasty on postoperative physical recovery  
Katsuragi Hosp.  Takafumi FUJII, et al  360

1-10-OR28-2  Pain of patients with TKA at discharge related with length of hospitalization  

1-10-OR28-3  Postoperative function comparison of both TKA before and after the establishment of convalescent rehabilitation ward  

1-10-OR28-4  Knee extensor strength affect the ambulatory status at one year after total knee arthroplasty  
Rehab. Unit, Kyoto Univ. Hosp.  Ryota HAMADA, et al  361

1-10-OR28-5  A knee joint flexure angle after the total knee prosthesis and relations of the bicycle ergometer exercise starting date  

1-10-OR28-6  Effects of transcutaneous electrical nerve stimulation at contralateral site in patients after total knee arthroplasty: A pilot quasi randomized trial  
Dept. of Rehab., Yamatokashihihara Hosp.  Yosuke YOSHIDA, et al  361
## Friday, February 24, Poster Room

### 18:00～18:30 Poster 1 THA cementless 1
Moderator: Ichiro OWAN

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS1-3</td>
<td>Early outcomes of cementless THA with finned acetabular cup</td>
<td>Dept. of Musculoskeletal Surg., Mie Univ. Postgraduate School of Medicine Yohei NAITO, et al ..........429</td>
</tr>
<tr>
<td>1-PS1-5</td>
<td>Evaluation of forgotten joint score-12 compared with JOA score and JHEQ after THA</td>
<td>Dept. of Orthop. Surg., Univ. of Toyama Rieko IMANISHI, et al ..........430</td>
</tr>
</tbody>
</table>

### 18:30～19:00 Poster 2 THA cementless 2
Moderator: Nobuhiro KAKU

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS2-2</td>
<td>Comparison of leg length discrepancy between bilateral simultaneous THA and two-stage THA</td>
<td>Dept. of Orthop. Surg., Yokohama City Univ. Medical Center Hirohiko OTA, et al ..........430</td>
</tr>
<tr>
<td>1-PS2-4</td>
<td>Efficacy of the acetabular alignment guide adjusting to the radiographic angle in total hip replacements in the decubitus position</td>
<td>Joint Replacement Center, National Tokyo Medical Center Miyu INAGAWA, et al ..........431</td>
</tr>
<tr>
<td>1-PS2-6</td>
<td>Examination of the usefulness of forgotten joint score-12 before and after the THA</td>
<td>Dept. of Rehab., Hokusuiakai Memorial Hosp. Tsutomu NAKAYAMA, et al ..........431</td>
</tr>
</tbody>
</table>

### 18:00～18:30 Poster 3 THA cementless 3
Moderator: Arihiko KANAJI

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS3-1</td>
<td>Evaluation for JHEQ of the THA using short or standard stem by the anterolateral approach</td>
<td>Dept. of Orthop. Surg., Sapporo Medical Univ. Ima KOSUKEGAWA, et al ..........432</td>
</tr>
</tbody>
</table>
1-PS3-2 Study of total hip arthroplasty for perches-like hip deformity -Features of cases with indefinite complaints-

1-PS3-3 Clinically meaningful changes for patient-reported outcomes related physical function improvement after total hip arthroplasty
Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ. Taisuke SEKI, et al .....432

1-PS3-4 Canal shape affects the short term result of total hip arthroplasty using Tri-Lock BPS stem
Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine Shinsuke KIHARA, et al .....432

1-PS3-5 A comparison of clinical outcomes of total hip arthroplasty in hip osteoarthritis patients -Over/under 80 years old-

1-PS3-6 The correlation study between JHEQ and JOA hip scores tested the operator or the medical staffs

18:30〜19:00 Poster 4 THA cementless 4 Moderator : Koya KAMIKAWA

1-PS4-1 Change of hip and knee muscle strength after total hip arthroplasty

1-PS4-2 Minor subjective symptoms after total hip arthroplasty with SL-PLUS MIA stem: A relationship with Radiolucent line
Nagasaki Rosai Hosp. Hisataka GOTO, et al .....433

1-PS4-3 About perceived leg length discrepancy of the patients with total hip arthroplasty more than 5 years

1-PS4-4 Comparison of two methods using a mechanical acetabular alignment guide in total hip arthroplasty

1-PS4-5 Total hip arthroplasty using the direct anterior approach
Yamaguchi-ken Saiseikai Shimonoseki General Hosp. Takenobu FUJISAWA, et al .....434

1-PS4-6 Total hip arthroplasty using direct anterior approach with fluoroscopy for failed internal fixation of hip fracture

18:00〜18:30 Poster 5 THA cementless 5 Moderator : Kenji KAWATE

1-PS5-1 The correlation study of between JHEQ mental category and NAS-J-HIP for 2 years after THA operation

1-PS5-2 Total hip arthroplasty for pycnodysostosis: A case report
1-PS5-3  Do Woodpecker is useful to the primary total hip arthroplasty using the GTS stem?
Dept. of Orthop., Dokkyo Univ. School of Medicine  Kazuo TOMIZAWA, et al  435

1-PS5-4  Evaluation of transacetabular screw position in total hip arthroplasty
Joint Reconstruction Center, Kyowakai Hosp.  Takashi TSUJIMOTO, et al  435

1-PS5-5  Topical vs intravenous tranexamic acid in primary direct anterior total hip arthroplasty
Toranomon Hosp.  Hiroki YOSHITOMI, et al  436

1-PS5-6  A study of relationship between vessel and screw used cement less cup fixation in primary THA

18:30 ～ 19:00  Poster 6  THA cementless 6
Moderator : Keiichi KAWANABE

1-PS6-1  Bilateral total hip arthroplasties using a simple device and image intensifier for positioning implants

1-PS6-2  A case report of revision surgery after 4 years primary THA using SL–PLUS MIA

1-PS6-3  Soft tissue tension in THA
Hitsujigaoka Hosp.  Mitsunori KAYA, et al  437

1-PS6-4  Repair of obturator externus muscle in posterior approach

1-PS6-5  Transition and efficacy of patient–perceived leg length discrepancy following total hip arthroplasty

1-PS6-6  Operative technique for reducing the prevalence of dislocation following total hip arthroplasty using a tapered wedge stem

18:00 ～ 18:30  Poster 7  THA cementless 7
Moderator : Haruo KAWAMURA

1-PS7-1  Maintenance of periprosthetic bone mineral density with a cementless Anthology Hip System (Two years after the operation)
Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine  Kazuhiro TAKEUCHI, et al  438

1-PS7-2  Consideration for X-ray change and lumber bone mineral density of THA patient by Coral cementless stem

1-PS7-3  Consideration for the cases revised after primary THA with Elance stems
JR Tokyo General Hosp.  Maki ANDO, et al  438

1-PS7-4  Cementless total hip arthroplasty in the patients with poor bone quality

1-PS7-5  Radiographic evaluation of short term taper wedge type cementless stem
1-PS7-6  The effects of total hip arthroplasty using CORAIL stem with bone graft into the proximal femur  

18:30~19:00  Poster 8  THA cementless 8  
Moderator: Masahiro INOUE

1-PS8-1  Short and middle-term results of total hip arthroplasty using Anthology stem  

1-PS8-2  Proximal sleeve deformation of S-ROM stem  

1-PS8-3  Radiographic changes in total hip arthroplasty with the Kinective stem  

1-PS8-4  Relations between bone reaction and intramedullary matching pattern of CLS stem  

1-PS8-5  Early radiographical results of Zweymüller SL–PLUS MIA Ti HA stem  

1-PS8-6  The comparisons between bone mineral density around the stem and radiological atrophic findings  
Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine  Masahiko HANEDA, et al  440

18:00~18:30  Poster 9  THA cementless 9  
Moderator: Saiji KONDO

1-PS9-1  A case of total hip arthroplasty for multicentric reticulohistiocytosis  

1-PS9-2  Total hip arthroplasty for osteoarthritis of the hip with short femoral neck  
JA Toride Medical Center  Koji SUZUKI, et al  441

1-PS9-3  10 years results of ceramic on ceramic hip arthroplasty  
Dept. of Orthop., JR Tokyo General Hosp.  Eisei FUKATANI, et al  441

1-PS9-4  A mid and long term results of total hip arthroplasty for femoral head necrosis in our hospital  

1-PS9-5  Consideration of total hip arthroplasty (THA) performed on post tansstrochanteric rotational osteotomy patients  

1-PS9-6  Outcomes of total hip arthroplasty following failed fixation of proximal hip fractures  
Mitoyo General Hosp.  Yasuaki TAMAKI, et al  442

18:30~19:00  Poster 10  THA cementless 10  
Moderator: Tokuhisa SANO

1-PS10-1  Total hip arthroplasty for dysplastic hip –Limitation of surgical procedure of protrusio technique–  
Dept. of Orthop. Surg., Univ. of Miyazaki  Yoshihiro NAKAMURA, et al  442
1-PS10-2  The difference between left and right in the implant position and lower limb alignment with simultaneous bilateral total hip arthroplasty
Japanese Red Cross Medical Center  Hisatoshi ISHIKURA, et al 442

1-PS10-3  Total hip arthroplasty in patients with idiopathic osteonecrosis of the femoral head: 2 to 15 years follow-up
Dept. of Orthop. Surg., Graduate School of Medicine, Osaka Univ.  Kazuma TAKASHIMA, et al 443

1-PS10-4  Middle-term results of cementless total hip arthroplasty using SUMMIT tapered hip system: Radiological assessment of cementless stem

1-PS10-5  The clinical results of total hip arthroplasty after anterior rotational osteotomy for idiopathic osteonecrosis of the femoral head

1-PS10-6  Outcome of total hip arthroplasty after rotational acetabular osteotomy
Dept. of Bone and Joint Surg., Ehime Univ. Graduate School of Medicine  Tomomi KAMADA, et al 443

18:00〜18:30 Poster 11  THA cementless 11  Moderator: Takeshi SAWAGUCHI

1-PS11-1  Short and mid-term results of total hip arthroplasty using BiCONTACT stem

1-PS11-2  Medium and long term outcome of cementless total hip arthroplasty using with Anatomic-Fit stem

1-PS11-3  Short-term result of total hip arthroplasty using CORAIL hip stem
Dept. of Orthop. Surg., Okayama Medical Center  Katsuhiro KAWABATA, et al 444

1-PS11-4  Examination of the middle results of the Zweymuller type stem in total hip arthroplasty
Dept. of Orthop. Surg., Univ. of Miyazaki  Keisuke KAWANO, et al 444

1-PS11-5  Clinical results of THA with microMax stem using direct anterior approach

1-PS11-6  Short-term results of total hip arthroplasty using J-Taper stem by direct anterior approach

18:30〜19:00 Poster 12  THA cementless 12  Moderator: Masahiro HASEGAWA

1-PS12-1  Analysis of short-term result and the rotational stability on the taperd wedge shaped type cementless stem, Accolade®

1-PS12-2  Short-term results of dual mobility hip system for femoral neck fracture
National Center for Global Health and Medicine  Kazumi GOTO, et al 445
1-PS12-3  Preliminary report of total hip arthroplasty using the SMF\(^\text{TM}\) (Short monolithic femoral hip stem)  
Institute of Joint Replacement and Rheumatology, Zama General Hosp.  
Hiroshi SUNAMI, et al  

1-PS12-4  Short and middle term results of Accolade TMZF stem in total hip arthroplasty  
Dept. of Orthop. Surg., Graduate School of Medicine, Gunma Univ.  
Takanori KITAGAWA, et al  

1-PS12-5  Short-term results of THA using the M/L Taper Kinetic Technology in our department  
Kozaburo INOUE, et al  

1-PS12-6  Short term clinical results of cementless total hip arthroplasty with Wagner Cone stem  
Dept. of Orthop. Surg., Kagawa Univ.  
Masashi SHIMAMURA, et al  

<table>
<thead>
<tr>
<th>18:00~18:30</th>
<th>Poster 13</th>
<th>THA cementless 13</th>
<th>Moderator: Naonobu TAKAHIRA</th>
</tr>
</thead>
</table>
| 1-PS13-1    | Long-term results of total hip arthroplasty using Citation stem  
Japan Community of Health Care Organization Hoshigaoka Medical Center  
Yasunori OKAMOTO, et al  

1-PS13-2    | The mean 13 years’ results of cemenless spotorno (CLS) stem in THA  
Hiroshima Prefectural Rehab. Center  
Ryuji TANAKA, et al  

1-PS13-3    | Short term radiological results of full HA coated Corail cementless stem  
Hitsujiagaoka Hosp.  
Mitsunori KAYA, et al  

1-PS13-4    | Mid-term results of CLS stem  
Sakamidori Hosp.  
Hiroshi TERAYAMA, et al  

1-PS13-5    | Short term results of direct anterior approach THA with AccoladeTMZF stem  
Dept. of Orthop. Surg., Kagawa Univ.  
Naruki TAKADA, et al  

1-PS13-6    | Short-term results of THA using the Tri Fit stem  
Tachikawa Hosp.  
Shinichiro KOBAYASHI, et al  

<table>
<thead>
<tr>
<th>18:30~19:00</th>
<th>Poster 14</th>
<th>THA cementless 14</th>
<th>Moderator: Naoya TAKI</th>
</tr>
</thead>
</table>
| 1-PS14-1    | Short-term results of total hip arthroplasty using Accolade2 stem  
Toshiyuki SHIOMI, et al  

1-PS14-2    | Clinical and radiographic results with the Accolade2 stem in total hip arthroplasty  
Dept. of Bone and Joint Surg., Ehime Univ. Graduate School of Medicine  
Tomomi KAMADA, et al  

1-PS14-3    | The short-term clinical results of Fitmore short stem  
Kazutaka TAKADA, et al  

1-PS14-4    | Short-term result of EXCIA stem  
Tsukuba Memorial Hosp.  
Seira YAMAMOTO, et al  

1-PS14-5    | Short term result of cementless anatomical short modular neck stem for hip osteoarthritis  
Masaaki MATSUBARA, et al  

<table>
<thead>
<tr>
<th>18:00〜18:30</th>
<th>Poster 15</th>
<th>THA cup • stem 1</th>
<th>Moderator: Atsushi FUNAYAMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS15-1</td>
<td>Comparison of rotational stability by the difference in RimForm of acetabular cups</td>
<td>Graduate School of Medical Science, Kitasato Univ.</td>
<td>Chihiro KOJIMA, et al</td>
</tr>
<tr>
<td>1-PS15-3</td>
<td>Comparison of the stem anteversions in total hip arthroplasty</td>
<td>Japanese Red Cross Society Wakayama Medical Center</td>
<td>Yasutsugu KAWAI, et al</td>
</tr>
<tr>
<td>1-PS15-4</td>
<td>Change of bone mineral density in periprosthetic of femur between the differences of the insertion angle in Taper wedge stem</td>
<td>Dept. of Orthop. Surg., Graduate School of Biomedical Sciences, Hiroshima Univ.</td>
<td>Kenji MIFUJI, et al</td>
</tr>
<tr>
<td>1-PS15-6</td>
<td>The entrypoint of the femur and stem sagittal alignment during total hip arthroplasty</td>
<td>Dept. of Orthop. Surg., Osaka Minami Medical Center</td>
<td>Hirohito ABE, et al</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18:30〜19:00</th>
<th>Poster 16</th>
<th>THA cup • stem 2</th>
<th>Moderator: Naohiko MASHIMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS16-2</td>
<td>The relationship between femoral neck cut length and postoperative radiographic image from proximal minor trochanter in total hip arthroplasty</td>
<td>Yokohama Minami Kyosai Hosp.</td>
<td>Masaaki SATOU, et al</td>
</tr>
<tr>
<td>1-PS16-3</td>
<td>The effect of HA coating on Tapered Wedge stem for bone fixation in total hip arthroplasty</td>
<td>Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine</td>
<td>Shingo HASHIMOTO, et al</td>
</tr>
<tr>
<td>1-PS16-4</td>
<td>Results of a short, tapered, highly porous, proximally coated cementless femoral stem at a minimum 6-month follow up</td>
<td>Dept. of Orthop. Surg., Showa Univ.</td>
<td>Yasushi YOSHIKAWA, et al</td>
</tr>
<tr>
<td>1-PS16-6</td>
<td>Implant failure after modular type cementless THA</td>
<td>Dept. of Orthop. Surg. Univ. of Miyazaki</td>
<td>Masaru HIYOSHI, et al</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18:00〜18:20</th>
<th>Poster 17</th>
<th>THA • Ankylosed hip • MOM 1</th>
<th>Moderator: Hirohiko TOKUNAGA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS17-1</td>
<td>Total hip arthroplasty in patients with ankylosed hips: Three cases reports</td>
<td>Dept. of Orthop. Surg., Yokohama City Univ.</td>
<td>Takashi SAKAI, et al</td>
</tr>
<tr>
<td>Poster 18</td>
<td>18:20-18:45</td>
<td>THA • Ankylosed hip • MOM 2</td>
<td>Moderator: Yoshihide NAKAMURA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>------------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>1-PS17-2</td>
<td>Our surgical technique of THA to anklosing hips</td>
<td>Ryuichi SATO, et al.</td>
<td>453</td>
</tr>
<tr>
<td>1-PS17-3</td>
<td>Total hip arthroplasty in patients with ankylosis hip</td>
<td>Tomonori TETSUNAGA, et al.</td>
<td>453</td>
</tr>
<tr>
<td>1-PS17-4</td>
<td>Total hip arthroplasty for patients with severe hip contracture</td>
<td>Yutaka KINOSHITA, et al.</td>
<td>453</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Poster 19</th>
<th>18:00-18:30</th>
<th>THA revision 1</th>
<th>Moderator: Hisayoshi INOUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS19-1</td>
<td>Two cases of acetabular reconstruction using the dual mobility cup to compensate for the bone defect in the Beta-TCP</td>
<td>Hiroshi HAYASHI, et al.</td>
<td>455</td>
</tr>
<tr>
<td>1-PS19-2</td>
<td>Risk factors for postoperative poor outcome after THA and THA revision using KT acetabular reinforcement device</td>
<td>Yoshinobu MASUMOTO, et al.</td>
<td>455</td>
</tr>
<tr>
<td>1-PS19-3</td>
<td>3 cases of post traumatic advanced posterior wall deficient patients operated total hip replacement using femoral head</td>
<td>Taishi OKADA, et al.</td>
<td>455</td>
</tr>
<tr>
<td>1-PS19-4</td>
<td>The effectiveness of THA performed with Trabecular Metal Augment and cement cup</td>
<td>Shin ASAI, et al.</td>
<td>456</td>
</tr>
<tr>
<td>1-PS19-5</td>
<td>Metal-backed cup loosening and acetabular fracture, a case report</td>
<td>Toru KAWAI, et al.</td>
<td>456</td>
</tr>
<tr>
<td>1-PS19-6</td>
<td>Middle to long term survival of revision THA with GAP II Acetabular Shell</td>
<td>Kenjiro FUJIMURA, et al.</td>
<td>456</td>
</tr>
</tbody>
</table>
18:30～19:00 Poster 20 THA revision 2

1-PS20-1 Mid-term results of revision total hip arthroplasty using double socket technique

1-PS20-2 Cementless revision total hip arthroplasty to dislocation
Izumi Municipal Hosp. Toshimasa USUI, et al ......457

1-PS20-3 A case of stem revision for short-term postoperative loosening after total hip arthroplasty

1-PS20-4 Revision hip arthroplasty for femur using transfemoral approach
Chuno Kosei Hosp. Tatsuhiro KANEKO, et al ......457

1-PS20-5 A case report of stem revision for THA with progress of stem subsidence and retroversion

1-PS20-6 Total hip revision arthroplasty using dual mobility cup after dislocation of hemiarthroplasty

18:00～18:30 Poster 21 THA COC/wear etc. 1

1-PS21-1 Revision case with metallosis occurred from chipping of ceramic components in ceramic on ceramic THA
Dept. of Orthop. Surg., Osaka City Univ., Graduate Medical School Yoichi OHTA, et al ......458

1-PS21-2 Midterm results of ceramic on ceramic total hip arthroplasty
Tokushima Municipal Hosp. Shinji YOSHIOKA, et al ......458

1-PS21-3 Long-term results of total hip arthroplasty using a ceramic-on-ceramic bearing

1-PS21-4 Acoustic analysis for audible squeaking after ceramic on ceramic total hip arthroplasty: 4 case study
Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ. Yoshitoshi HIGUCHI, et al ......459

1-PS21-5 Total hip arthroplasty with the use of metal on highly-crosslinked polyethylene bearings: Middle-term results
Chutoen General Medical Center Takaomi MIZUNO, et al ......459

1-PS21-6 Early fracture of a vitaminE-infused, highly cross-linked polyethylene elevated-rim acetabular liner after total hip arthroplasty: A case report

18:30～19:00 Poster 22 THA COC/wear etc. 2

1-PS22-1 One case that became front subluxation after total hip arthroplasty in five years
Hekinan Municipal Hosp. Miki KYOSHIMA ......459

172 | 2017 OKINAWA
1-PS22-2 Analysis of zirconia heads retrieved at minimum 11 years after total hip arthroplasty

1-PS22-3 A case of acetabular chondrosarcoma reconstructed with saddle prosthesis: 8 years follow-up period

1-PS22-4 A case of constrained type hip prosthesis after hip dislocation following total femoral replacement with bipolar hip arthroplasty of chondrosarcoma

1-PS22-5 A Case of total femur arthroplasty for the periprosthetic fracture and late infection after senile revision total hip arthroplasty

1-PS22-6 Clinical course of ceramic prosthetic for hallux rigidus

18:00~18:30 Poster 23 THA approach 1

1-PS23-1 Comparison of knee extension muscular strength after total hip arthroplasty between direct lateral approach and OCM approach

1-PS23-2 Intraoperative X-ray fluoroscopy is useful for surgeons changing the approach for total hip arthroplasty from posterior to direct anterior

1-PS23-3 Contrivance of THA and BHA with OCM approach
Higashimatsuyama Municipal Hosp. Manabu SHIMIZU, et al. 461

1-PS23-4 Examination of effect of preservation of anterior joint capsule in Modified Watson–Jones approach
Dept. of Orthop. Surg., Okayama Medical Center Takayuki KURODA, et al. 462

1-PS23-5 Study of the anterior approach THA for osteoarthritis of hip after osteotomy
Yamaguchi Prefectural Grand Medical Center Makoto AKAGAWA, et al. 462

1-PS23-6 Comparison of the degree of surgical invasion and post–operative complications in 2 different approaches of MIS–THA

18:30~19:00 Poster 24 THA approach 2

1-PS24-1 THA anteversion be appear larger than original anteversion of the femur

1-PS24-2 A treatment result and the invention of assistantless DAA–THA
National Hosp. Organization Kumamoto Medical Center Tomohiro HIRAI, et al. 463

1-PS24-3 Two cases report of THA by SuperPATH approach
Dept. of Orthop. Surg., Nagoya City East Medical Center Yoshinori SANO, et al. 463
1-PS24-4  Comparison of the early clinical results, between decubitus antero-lateral approach and supine direct anterior approach

1-PS24-5  Evaluation of 100 early consecutive cases of DAA–THA
JR Tokyo General Hosp.  Toru YAGURAMAKI, et al  .........463

1-PS24-6  Total hip arthroplasty using direct anterior approach or anterolateral supine approach for patients with psychiatric disorders

18:00~18:25  Poster 25  THA approach 3  Moderator: Takuma YAMASAKI

1-PS25-1  Three-dimensional analysis of fixation style of taper wedge stem in direct lateral approach and anterolateral approach using three-dimensional planning software

1-PS25-2  Usefulness of the suture anchor in total hip replacement or bypolar hip replacement of the abductor muscles repair

1-PS25-3  The efficacy of anterolateral supine approach in correction of leg length
Dept. of Orthop., The Univ. of Tokushima  Tomoya TAKASAGO, et al  .........464

1-PS25-4  Study of lower limb muscle strength recovery process in early postoperative period after total hip arthroplasty through direct anterior approach
Dept. of Orthop. Surg., Tokyo Metropolitan Tama Medical Center  Taro KASAI, et al  .........465

1-PS25-5  Short-time results of DAA–THA with Hana table

18:25~18:50  Poster 26  THA approach 4  Moderator: Hiroshi TAZAWA

1-PS26-1  Learning curve of the total hip arthroplasty with direct anterior approach

1-PS26-2  Our experiences and early results of direct anterior approach for total hip arthroplasty in the lateral decubitus position

1-PS26-3  Clinical results of revision total hip arthroplasty by direct anterior approach

1-PS26-4  Can THA by DAA be made to forget the artificial joint –Comparison with PA of PROs at postoperative 3 years–
Dept. of Orthop., Juntendo Univ.  Yu OZAKI, et al  .........466

1-PS26-5  Short term result of SuperPath approach –Toward the undislocatable THA
Dept. of Orthop. Surg., Chutoen General Medical Center  Shogo MARUYAMA, et al  .........466

18:00~18:30  Poster 27  THA MIS navigation 1  Moderator: Masaji ISHII

1-PS27-1  The device of platelet blood transfusion and utility of MIS–THA to thrombocytopenia
1-PS27-2 A case of acquired hemophilia A with necrosis of the femoral head treated by total hip arthroplasty  

1-PS27-3 Short term outcomes of simultaneous bilateral total hip arthroplasty using antero-lateral supine approach  
Kitasato Univ. Medical Center Masahiro TOYAMA, et al......467

1-PS27-4 Mid term results of cement THA  
Daiyukai General Hosp., Arthroplasty Center Masafumi OTANI, et al......467

1-PS27-5 The case report of total hip arthroplasty of irradiated hip  

1-PS27-6 Mid-term results of total hip arthroplasty using collarless polished tapered (CPT) stem for osteoarthritis  

<table>
<thead>
<tr>
<th>18:30~18:55</th>
<th>Poster 28</th>
<th>THA MIS navigation 2</th>
<th>Moderator : Noboru IKEDA</th>
</tr>
</thead>
</table>
| 1-PS28-1    | Total hip arthroplasty using computer navigation system after acetabular fracture  
| 1-PS28-2    | Clinical study of cup angle with 3A relative angle sensor in THA  
| 1-PS28-3    | Accuracy of cup angles and leg length discrepancy controlled by fluoroscopy during THA  
| 1-PS28-4    | Usefulness of the relative angle sensor in the setting of the total hip prosthesis acetabulum component  
National Center for Global Health and Medicine Kazuaki HASHIKURA, et al......469 |
| 1-PS28-5    | Cemented cup-holding technique while performing total hip arthroplasty with navigation system: Apropos of five cases  
Kumamoto Kinoh Hosp. Hirokazu TAKAI, et al......469 |

<table>
<thead>
<tr>
<th>18:00~18:30</th>
<th>Poster 29</th>
<th>THA implant 1</th>
<th>Moderator : Hiroshi TANAKA</th>
</tr>
</thead>
</table>
| 1-PS29-1    | CT evaluation of total hip arthroplasty using Wagner cone stem  
Ise Municipal General Hosp. Kakunoshin YOSHIDA, et al......469 |
| 1-PS29-2    | Accuracy of combined anteversion technique for total hip arthroplasty  
JCHO Kyushu Hosp. Tetsuro NAKAMURA, et al......469 |
| 1-PS29-3    | Clinical result of Accolade TMZF stem in cementless total hip arthroplasty  
Dept. of Rehab., NTT West Osaka Hosp. Satoshi YAMASAKI, et al......470 |
| 1-PS29-4    | Short-term results of AHFIX Q3 CUP  
Dept. of Orthop. Surg., Shiga Univ. of Medical Science Yuki FURUYA, et al......470 |
| 1-PS29-5    | Long-term results of Trilogy cup after cementless total hip arthroplasty  
Sumitomo Hosp. Shinichi NAKAGAWA, et al......470 |
1-PS29-6  Short-term results of total hip arthroplasty with porous tantalum acetabular component  

18:30～19:00  Poster 30  THA implant 2  Moderator : Hitoshi TANEDA

1-PS30-1  Long-term results of RINGLOC Acetabular Liner passed more than 15 years  
Toshiba Rinkan Hosp. Joint Reconstruction Center  Akira KOBAYASHI, et al ......471

1-PS30-2  A minimum 5-year result of short stem in total hip arthroplasty  

1-PS30-3  Postoperative results of CentPillar stem in total hip arthroplasty  

1-PS30-4  Middle-term results of PerFix cementless stems for rapidly destructive coxarthrosis  
Dept. of Artificial Joint and Regenerative Medicine for Bone and Cartilage, Nara Medical Univ.  Kenji KAWATE, et al ......471

1-PS30-5  Study of cases more than 20 years after total hip arthroplasty using Zweymüller stem  
Institute of Joint Replacement and Rheumatology Zama General Hosp.  Saiji KONDO, et al ......472

1-PS30-6  Result of the total hip arthroplasty using Elance stem  
Dept. of Orthop. Surg. and Joint Center Kurume  Yukinao ISHIBASHI, et al ......472

18:00～18:30  Poster 31  THA implant design 1  Moderator : Masanori SHIGEMATSU

1-PS31-1  Comparison of stem position between Accolade TMZF and Accolade2 tapered wedge–designed cementless stem  
Toyama Rosai Hosp.  Yoshiaki ITO, et al ......472

1-PS31-2  Clinical experience of dual mobility cup in total hip arthroplasty  

1-PS31-3  Total hip arthroplasty for trochanteric fracture with severe osteoarthritis of the hip joint using S-ROM stem: A case report  
Dept. of Orthop. Surg., Kita-harima Medical Center  Takahiro ODA, et al ......473

1-PS31-4  Evaluation of rotational stability of the Zweymüller femoral stem using a resin bone model  
Dept. of Orthop. Surg., Sanmu Medical Center  Tomonori SHIGEMURA ......473

1-PS31-5  Bilateral total hip arthroplasty with SL MIA and SL MIA HA  
Seirei Sakura Citizen Hosp.  Shunji KISHIDA, et al ......473

1-PS31-6  Short term results of Alpine short distal taper stem  
Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine  Hironobu HOSHINO, et al ......473

18:30～19:00  Poster 32  THA implant design 2  Moderator : Takashi SAKAI

1-PS32-1  Postoperative radiological evaluation of primary total hip arthroplasties using a GTS (global tissue sparing) bone preserving cementless stem  
Sonoda Joint Replacement Center Hosp.  Hiromasa MITSUI, et al ......474
1-PS32-2  The effect of bioactive hydroxyapatite coated SL-PLUS MIA stem

1-PS32-3  Study of salvaged cases in total hip arthroplasty using Kinnective system

1-PS32-4  Short-term results of a short, tapered cementless stem – Relationship between BMD changes around stems and stem alignment –

1-PS32-5  Short-term results and radiological evaluation of hip arthroplasty using modulus stem

1-PS32-6  Medium and short-term results of THA using MX-200

18 : 00～18 : 30  Poster 33  THA implant design 3  Moderator : Satoshi IIDAI

1-PS33-1  Bone mineral density change of femur at 2 years after total hip arthroplasty using SC stem

1-PS33-2  Radiographic evaluation of total hip system with changeable neck
Kawasaki Hosp.  Ryo SHIBATA, et al ......475

1-PS33-3  Inappropriate femoral canal for rectangular curved short stems

1-PS33-4  Total hip arthroplasty with dual mobility cup for displaced femoral neck fracture using the direct anterior approach
Dept. of Orthop., Jutoendo Univ.  Hironori OCHI, et al ......476

1-PS33-5  Short-term results of primary THA using Profemur TL stem with modular neck system

1-PS33-6  Three-dimensional analysis of fixation style of taper wedge stem using three-dimensional planning software

18 : 30～19 : 00  Poster 34  THA implant design 4  Moderator : Hirotaka IGUCHI

1-PS34-1  Preoperative simulation for the stem insertion in DAA–THA

1-PS34-2  Short-term results and radiographic assessments around the stem of cementless total hip arthroplasty using TRI-LOCK Bone Preservation Stem
Tokushima Municipal Hosp.  Masaru NAKAMURA, et al ......477

1-PS34-3  Stem anteverision relating Dorr types measured by three dimensional templating

1-PS34-4  Radiographic evaluation of BiCONTACT E stem compared with standard BiCONTACT stem in THA using DAA
1-PS34-5  Short-term results of the TRILOCK femoral prosthesis  
Sakaide City Hosp.  Takahiro NEGAYAMA, et al ......478
1-PS34-6  The short-term results of total hip arthroplasty using dual mobility cup  

<table>
<thead>
<tr>
<th>Time</th>
<th>Poster</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:00~18:30</td>
<td>35</td>
<td>TKA outcome 1</td>
<td>Moderator: Osamu NISHIIKE</td>
</tr>
<tr>
<td>1-PS35-2</td>
<td>Longitudinal gait analysis of patients who underwent bilateral total knee arthroplasty</td>
<td>Medical Corporation Jinseikai  Tsumo KAWAHARA, et al ......478</td>
<td></td>
</tr>
<tr>
<td>1-PS35-5</td>
<td>The effect of an extension limit after the first total knee arthroplasty on 10m walking time after the opposite postoperative</td>
<td>Kurashiki Riverside Hosp.  Shohei SAITO ......479</td>
<td></td>
</tr>
<tr>
<td>1-PS35-6</td>
<td>Effect of preoperative activity on walking ability after total knee arthroplasty</td>
<td>Kurashiki Riverside Hosp.  Ryo YAMAMOTO ......479</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Poster</th>
<th>Topic</th>
<th>Moderator: Nao SHIBANUMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:30~19:00</td>
<td>36</td>
<td>TKA outcome 2</td>
<td></td>
</tr>
<tr>
<td>1-PS36-1</td>
<td>Clinical feature at the early ambulation of the next day after total knee arthroplasty for elder patients</td>
<td>Dept. of Rehab., Sonodaikai Joint Replacement Center Hosp.  Yousuke KOMORI, et al ......480</td>
<td></td>
</tr>
<tr>
<td>1-PS36-2</td>
<td>Comparison of clinical outcomes between discharged home and rehabilitation change in TKA for elder patients aged over 75 years old</td>
<td>Chubu Rosai Hosp.  Susumu KINOSHITA, et al ......480</td>
<td></td>
</tr>
<tr>
<td>1-PS36-4</td>
<td>Treatment results of total knee arthroplasty of the elderly person more than 85 years old</td>
<td>Kyushu Rosai Hosp.  Tatsuya MORI, et al ......480</td>
<td></td>
</tr>
<tr>
<td>1-PS36-6</td>
<td>Study of total knee arthroplasty for oldest old of more than 85 years</td>
<td>Sonodaikai Joint Replacement Center Hosp.  Xiangfeng LI, et al ......481</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Poster</td>
<td>Title</td>
<td>Author</td>
</tr>
<tr>
<td>--------------</td>
<td>---------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>18:00~18:30</td>
<td>37</td>
<td>TKA outcome 3</td>
<td>The relationship between the postoperative knee extension strength and the objective</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>and subjective clinical assessment parameters after total knee arthroplasty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Rehab., Niigata Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Toshiyuki TAKAHASHI, et al.</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td></td>
<td>Change in physical functions after total knee arthroplasty and factors associated with</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>quality of life</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Rehab., Hakodate Central General Hosp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Takahiro MATSUI, et al.</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td></td>
<td>Correlation between longitudinal athletic ability and Functional Activities of 2011 KSS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>after total knee arthroplasty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Orthop. Surg., Ehime Univ.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yasumitsu ISHIMARU, et al.</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td></td>
<td>Comparison of patient–derived outcomes between total knee arthroplasty and unicompartamental knee</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>arthroplasty using the 2011 Knee Society Score</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Orthop. Surg., Kobe Univ.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Graduate School of Medicine</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yuichi KURODA, et al.</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td></td>
<td>Satisfaction evaluated with patient oriented outcome at 1 or 2 years after total knee</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>arthroplasty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Orthop. Surg., Univ. of Toyama</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Makiko NOGAMI, et al.</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td></td>
<td>Total knee arthroplasty bicycle drive acquisition comparison of preoperation and short</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>term follow up (3 months), focused on body function</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rehab., Akabane Central General Hosp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Kyoichi HASEGAWA, et al.</td>
</tr>
<tr>
<td>18:30~19:00</td>
<td>38</td>
<td>TKA outcome 4</td>
<td>The relation of knee range of motion to patient–based outcome of perioperative total knee</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>arthroplasty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Orthop. Surg., Yokohama City Univ.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yoshihiro KUSAYAMA, et al.</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>Doctor, patient evaluation in the artificial total knee althroplasty and relations with the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>patient satisfaction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ugo Municipal Hosp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Toyohito SEGAWA, et al.</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>Examination of factors related to subjective instability during stepping up and down the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>stairs after total knee arthroplasty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Rehab., Niigata Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mayumi ABE, et al.</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>Predictive factors of JKom score of patients with total knee arthroplasty at 5 months</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>after surgery</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Rehab., Saitama Medical Univ. Hosp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yasuaki MIZOGUCHI, et al.</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>The relationship between preoperative quadriceps muscle cross-sectional area and knee</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>extension strength, JKom in total knee arthroplasty patients</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dept. of Rehab., Kawakita General Hosp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sho MITOMO, et al.</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>Evaluation of quality of life after bilateral total knee arthroplasty using JKom</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Japanese Knee Osteoarthritis Measure)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Tohoku Orthop. and Dental Clinic</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yasuhiro KIKUCHI, et al.</td>
</tr>
<tr>
<td>18:00〜18:30</td>
<td>Poster 39</td>
<td>TKA outcome 5</td>
<td>Moderator : Akira MAEDA</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>---------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>1-PS39-1</td>
<td>Pelvic alignment and non-operative genu varum during static standing is related with knee contracture after total knee arthroplasty</td>
<td>Kyoto Univ. Hosp., Rehab. Unit</td>
<td>Manabu NANKAKU, et al ......484</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18:30〜19:00</th>
<th>Poster 40</th>
<th>TKA outcome 6</th>
<th>Moderator : Shoichi KIMURA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS40-1</td>
<td>Relationship of 6 minutes walking distance and physical function of total knee arthroplasty patients in the operative 3 months</td>
<td>Dept. of Rehab., Tsukazaki Hosp.</td>
<td>Kunihiro ONISHI, et al ......486</td>
</tr>
<tr>
<td>1-PS40-2</td>
<td>Relationship between velocity of the center of gravity sway and maximum flexion angles for subjects underwent total knee arthroplasty</td>
<td>Dept. of Rehab. Center, Kobe Kaisei Hosp.</td>
<td>Hiroki OYAGI, et al ......486</td>
</tr>
<tr>
<td>1-PS40-3</td>
<td>Examination of the subjective instability and its related variables after total knee arthroplasty</td>
<td>Dept. of Rehab., Niigata Medical Center</td>
<td>Takeshi KABURAKI, et al ......486</td>
</tr>
<tr>
<td>1-PS40-5</td>
<td>Relationship between preoperative body sway and postoperative extensor muscle strength in total knee arthroplasty</td>
<td>Dept. of Rehab. Center, Kobe Kaisei Hosp.</td>
<td>Yoshihiro YOSHIOKA, et al ......487</td>
</tr>
<tr>
<td>1-PS40-6</td>
<td>The effect of drain on postoperative motor function after total knee arthroplasty</td>
<td>Dept. of Rehab. Center, Kobe Kaisei Hosp.</td>
<td>Rie MIYAJI, et al ......487</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18:00〜18:30</th>
<th>Poster 41</th>
<th>TKA complication 1</th>
<th>Moderator : Hideto FUJII</th>
</tr>
</thead>
</table>
| 1-PS41-2 | Bilateral patella fracture after bilateral total knee arthroplasty - A case report -  
Dept. of Orthop. Surg., Yokohama City Univ. Medical Center  
Ryo ISHIGATSUHO, et al  
| 487 |
| 1-PS41-3 | A case of periprosthetic tibial fracture after total knee arthroplasty  
Chuno Kosei Hosp.  
Shou YAMAUCHI, et al  
| 488 |
| 1-PS41-4 | Repetitive calcaneal stress fracture after contralateral TKA revision  
Dept. of Orthop. Surg., Kobe Medical Center  
Kohei KAWAKITA, et al  
| 488 |
| 1-PS41-5 | Treatment experience for peri-TKA fracture with another implant in ipsilateral proximal femur  
Manabu ARAI, et al  
| 488 |
| 1-PS41-6 | A case of periprosthetic fracture of the tibia associated with total knee arthroplasty in rheumatoid arthritis  
Yasuoki KOBAYASHI, et al  
| 488 |

**18:30〜19:00 Poster 42 TKA complication 2**  
Moderator: Takuya IKUTA

| 1-PS42-1 | A Case report of quadriceps tendon rapture caused by trauma after total knee arthroplasty  
Steel Memorial Muroran Hosp.  
Takuma KAIBARA, et al  
| 489 |
| 1-PS42-2 | 2 cases of the total knee arthroplasty which reconstructed the knee extension system using synthetic ligament  
Tohoku Rosai Hosp.  
Hiroaki OGAWA, et al  
| 489 |
| 1-PS42-3 | Nesplon cable augmentation for patella tendon rupture and avulsion fracture of tibial tubercle after total knee arthroplasty  
Masahiko YAMADA, et al  
| 489 |
| 1-PS42-4 | Quadriceps tendon rupture after total knee arthroplasty revision: A case report  
Okitama General Hosp.  
Takahiro MIYAJI, et al  
| 489 |
| 1-PS42-5 | Quadriceps tendon rupture with infection after TKA  
Saiseikai Yokohamashi Tobu Hosp.  
Ryo MATSUMOTO, et al  
| 490 |
| 1-PS42-6 | Infection following patellar tendon reconstruction with artificial ligament after TKA - A case report -  
Koichiro KOMIYA, et al  
| 490 |

**18:00〜18:30 Poster 43 TKA implant design 1**  
Moderator: Eiichi NAKAMURA

| 1-PS43-1 | The short-terms clinical results of Bi-cruciate stabilized and cruciate retain in Journey-2 total knee arthroplasty performed in the same patients  
Dept. of Orthop. Surg., Toho Univ. (Ohashi)  
Kayo YAMADA, et al  
| 490 |
| 1-PS43-2 | Comparison of the postoperative clinical outcome between guided-motion and single-radius total knee arthroplasty  
Akihiro UCHIO, et al  
| 490 |
| 1-PS43-3 | The problem of CS type TKA - Impingement of the extension mechanism by the insert-  
Minami Matsuyama Hosp.  
Setsuya KAMEI, et al  
| 491 |
1-PS43-4 Comparison of quadriceps force between conventional TKA and medial pivot TKA with two week follow-up
Emoto Knee and Sport Clinic Gen EMOTO, et al 491

1-PS43-5 Short clinical result in medial-pivot CR type TKA
Dept. of Orthop. Surg. Univ. of Toyama Hayato MINE, et al 491

1-PS43-6 The short-term results of Evolution CR (medial pivot design—CR) using additional tibia posterior decenration osteotomy
Artificial Joint-Cartilage Implantation Center, Kitasato Institute Hosp., Kitasato Univ. Yasunori TSUKIMURA, et al 491

18:30~19:00 Poster 44 TKA implant design 2
Moderator: Kazuma FUTAI

1-PS44-1 Clinical results of total knee arthroplasty with Scorpio total stabilizer Total Knee System

1-PS44-2 Examination of the primary total knee arthroplasty with use of stemmed components
Oguri Daichi General Hosp. Joint Replacement Center Youhei TAKAHASHI, et al 492

1-PS44-3 Treatment strategies for complex primary total knee arthroplasty
Sonodakai Joint Replacement Center Hosp. Xiangfeng LI, et al 492

1-PS44-4 Clinical results of total knee arthroplasty after high tibial osteotomy

1-PS44-5 Spontaneous osteonecrosis of medial tibial plateau treated by total knee arthroplasty
Tokushima Prefectural Central Hosp. Yoshinori TAKAHASHI, et al 493

1-PS44-6 Clinical results of total knee arthroplasty in Charcot Knee Joint

18:00~18:30 Poster 45 TKA implant design 3
Moderator: Kazushige SEKI

1-PS45-1 Study of the U-shaped tibia tray setting position in Bicruciate-retaining TKA (Vanguard XP) – Using 3D pre-operative planning software (Zed-Knee) –
Saitama Cooperative Hosp. Ayano KUWASAWA, et al 493

1-PS45-2 Experience of BCL retaining TKA

1-PS45-3 Short-term results of Bicruciate retaining TKA

1-PS45-4 Post operative evaluation of BCR–TKA – Short term results–
Sonoda Joint Replacement Center Hosp. Kenji KITAMURA, et al 494

1-PS45-5 Early results of bi-cruciate preserving TKA: Patients’ selection and operative technique
Dept. of Orthop. Surg., Kawasaki Medical School Kensuke TANAKA, et al 494

1-PS45-6 Total Knee Arthroplasty for knees with symptomatic mucoid degeneration of the cruciate ligaments
### 18:00～18:30  Poster 47  Management of pain and bleeding in TKA 1
Moderator: Takashi TERASHIMA

<table>
<thead>
<tr>
<th>1-PS47-1</th>
<th>Effect of tranexamic acid intra-articular injection in total knee arthroplasty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kenji WATANABE, et al.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1-PS47-2</th>
<th>Usefulness of hemostat in total knee arthroplasty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hideki TAKAGI, et al.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1-PS47-3</th>
<th>Combined drain clamped method and intravenous tranexamic acid reduces blood loss in total knee arthroplasty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dept. of Orthop. Surg., Ehime Univ.</td>
</tr>
<tr>
<td></td>
<td>Kunihiro WATAMORI, et al.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1-PS47-4</th>
<th>Study of effective injection volume of intra-articular tranexamic acid injection in TKA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yasato Orthop. Medical Hosp.</td>
</tr>
<tr>
<td></td>
<td>Takahiro NISHIYAMA, et al.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1-PS47-5</th>
<th>An addition of epinephrine in periarticular multimodal drug injection doesn’t affect postoperative pain after total knee arthroplasty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hachiya Orthop. Hosp.</td>
</tr>
<tr>
<td></td>
<td>Kumiko MAEDA, et al.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1-PS47-6</th>
<th>The necessity of the epinephrine in the periarticular multimodal drug injection in bilateral total knee arthroplasty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hachiya Orthop. Hosp.</td>
</tr>
<tr>
<td></td>
<td>Yuko SUZUKI, et al.</td>
</tr>
</tbody>
</table>

### 18:30～19:00  Poster 48  Management of pain and bleeding in TKA 2
Moderator: Akira MAEYAMA

<table>
<thead>
<tr>
<th>1-PS48-1</th>
<th>Comparison of hematologic changes with CS-type total knee arthroplasty between PCL-retaining and PCL-resection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Shin-Kaminokawa Hosp.</td>
</tr>
<tr>
<td></td>
<td>Kenzo TAKATOKU, et al.</td>
</tr>
</tbody>
</table>
1-PS48-2  A blood loss after TKA used froeseal and controlled equal pressure with drain during surgery  

1-PS48-3  Postoperative influence of tourniquet time in TKA  

1-PS48-4  Effect of cryotherapy after total knee arthroplasty  

1-PS48-5  Experience of total knee arthroplasty for hemophilic arthropathy of the knee joint  

1-PS48-6  Total knee arthroplasty in hemophilic arthropathy: Three cases report  

18:00〜18:30  Poster 49  TKA navigation 1  
Moderator: Tadashi TSUKEOKA

1-PS49-1  Which TKA navigation is convenient to use?  

1-PS49-2  Total knee arthroplasty with GPS system  

1-PS49-3  Bone cutting accuracy of TKA using iASSIST Knee System  
Chugoku Kousai Hosp.  Shinichi UEKI, et al  500

1-PS49-4  Evaluation of bilateral total knee arthroplasty with Knee Align 2  
National Center for Global Health and Medicine  Takayuki YAMAMOTO, et al  500

1-PS49-5  Is there learning curve for total knee arthroplasty with portable navigation system (Knee Align 2)?  
Tobata Kyoitsu Hosp.  Kayoko NAGASHIMA, et al  500

1-PS49-6  Precision differences between TKA portable navigation KA2 and tibia guide method out of the marrow  
Ibaraki Prefectural Central Hosp.  Hiroshi HAYASHI, et al  500

18:30〜19:00  Poster 50  TKA navigation 2  
Moderator: Atsushi NARITA

1-PS50-1  Short-term results of PERSONA TKA with Knee Align2  

1-PS50-2  The usefulness of accelerometer based navigation in total knee arthroplasty  

1-PS50-3  Is it possible to increase the accuracy of KneeAlign2 for femoral resection by fixing the pelvis in TKA using KneeAlign2?  
Mie Prefectural General Medical Center  Naoki OKAMURA, et al  501

1-PS50-4  Component angle of total knee arthroplasty by using KneeAlign2 portable navigation system  


18 : 00～18 : 30  Poster 51  UKA 1  Moderator : Tasuku MASHIBA


1-PS51-3  Clinical outcome of UKA for osteoarthritis and osteonecrosis of the knee  Dept. of Orthop. Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine  Shintaro KOMAKI, et al ......503

1-PS51-4  Short–term results of fixed bearing unicompartmental knee arthroplasty  Fukuyama Medical Center  Tadashi MIYAMOTO, et al ......503


18 : 30～18 : 55  Poster 52  UKA 2  Moderator : Eiji YOSHIMOTO


18 : 00～18 : 30  Poster 53  UKA 3  Moderator : Yasumitsu OHKOSHI

1-PS53-1  Accuracy of femoral component implantation in unicompartmental knee arthroplasty using PSI  Rinku General Medical Center  Atsushi GOSHIMA, et al ......505
1-PS53-2  Study of the setting angle in the case that be able to sit straight [Seiza] of postoperative Oxford UKA

1-PS53-3  Tibial component position in unicompartmental knee arthroplasty

1-PS53-4  The accuracy of tibial component setting in medial UKA with navigation
Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine  Kensuke HONDA, et al  506

1-PS53-5  Evaluation of the navigation systems in tibial osteotomy in unicompartmental knee arthroplasty
Hiroshima City Asa Citizens Hosp.  Makoto NISHIMORI, et al  506

1-PS53-6  Correlation between the accuracy of implant position and postoperative outcome for unicompartmental knee arthroplasty
Kawaguchi Municipal Medical Center  Takanobu SUMINO, et al  506

18:30～18:55  Poster 54  UKA 4  Moderator: Takashi MIYAMOTO

1-PS54-1  Two revision TKA cases for medial tibial plateau fractures after UKAs
Dept. of Orthop., Takamatsu Red Cross Hosp.  Takahiko TSUTSUI, et al  506

1-PS54-2  A case of femoral component loosening after UKA that was difficult to identify
Dept. of Orthop., Ichihara Hosp.  Yuki YAMANASHI, et al  507

1-PS54-3  Compartment syndrome following unicompartmental knee arthroplasty:
A case report
Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hosp.  Hiroshi MIYAZAWA, et al  507

1-PS54-4  Collapse of lateral femoral condyle after bilateral unicompartmental knee arthroplasty: A case report
Saiseikai Shimokawa Hospital  Yutaka SUHEI, et al  507

1-PS54-5  A case of lateral meniscus bucket handle tear after unicompartmental knee arthroplasty

18:00～18:25  Poster 55  TKA PSI  Moderator: Taisei KAWAMOTO

1-PS55-1  Total knee arthroplasty with disposable instrument and patient specific instrument
Omuro Orthop. Spine & Joint Clinic  Norikazu YOKOYAMA  508

1-PS55-2  What is the routine use of Custom Cutting Guides in total knee arthroplasty?

1-PS55-3  Intraoperative comparison of patient specific instrumentation position between two different designs using navigation system in total knee arthroplasty
Rinku General Medical Center Arthroplasty Center  Kohei YABUNO, et al  508

1-PS55-4  Comparison between two kinds of patient specific guide in total knee arthroplasty

1-PS55-5  Investigation of accuracy of Patient–matched instrument in total knee arthroplasty
### 18:25～18:55 Poster 56  TKA valgus knee
Moderator: Goro TAJIMA

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Title</th>
<th>Presenter and Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS56-1</td>
<td>Total knee arthroplasty postoperative rehabilitation for the high valgus knee which presented windswept deformity—Case report using the Knee–ankle–foot–Orthosis—Yamaguchi Grand Medical Center Physical Medicine and Rehab.</td>
<td>Satoshi KATOU, et al.</td>
</tr>
<tr>
<td>1-PS56-2</td>
<td>Clinical results of total knee arthroplasty using lateral parapatellar approach for the values knee</td>
<td>Saiseikai Suita Hosp. Ryuichi SAKURAGI, et al.</td>
</tr>
<tr>
<td>1-PS56-3</td>
<td>Small experience of TKA for coxitis knee</td>
<td>Keiu NAKAZATO, et al.</td>
</tr>
<tr>
<td>1-PS56-4</td>
<td>(Cancelled)</td>
<td></td>
</tr>
<tr>
<td>1-PS56-5</td>
<td>The pathomechanism and therapeutics of coxitis knee</td>
<td>Hana UEDA, et al.</td>
</tr>
<tr>
<td>1-PS56-6</td>
<td>Clinical outcome of total knee arthroplasty for valgus deformity with rheumatoid arthritis</td>
<td>Tomohito HINO, et al.</td>
</tr>
</tbody>
</table>

### 18:00～18:30 Poster 57  TKA infection 1
Moderator: Tadashi KIKUCHI

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Title</th>
<th>Presenter and Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS57-1</td>
<td>The examination of surgical treatment for infection cases of total knee arthroplasty in our department</td>
<td>Takashi SHIBUKI, et al.</td>
</tr>
<tr>
<td>1-PS57-2</td>
<td>Two case reports of TKA after controlling infection with an antibiotic cement spacer to intractable septic knee</td>
<td>Yuki OKAMURA, et al.</td>
</tr>
<tr>
<td>1-PS57-3</td>
<td>Prosthesis retention treatment of infected total knee arthroplasty using the temporally antibiotic–loading cement spacer in 3 cases</td>
<td>Akane MAEDA, et al.</td>
</tr>
<tr>
<td>1-PS57-4</td>
<td>Two cases of revision TKA for MRSA infection long after implant removal</td>
<td>Toshihiro KAWASAKI, et al.</td>
</tr>
<tr>
<td>1-PS57-5</td>
<td>Helicobacter cinaedi infection after revision total knee arthroplasty present with symptoms of cellulitis needed to be distinguished from deep infection</td>
<td>Shinichi SHIRASAWA, et al.</td>
</tr>
<tr>
<td>1-PS57-6</td>
<td>A case of simultaneously infection of bilateral total knee arthroplasty</td>
<td>Sosuke SAITO, et al.</td>
</tr>
</tbody>
</table>

### 18:30～19:00 Poster 58  TKA infection 2
Moderator: Ryosuke KURODA

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Title</th>
<th>Presenter and Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PS58-1</td>
<td>Two cases of linezolid for periprosthetic joint infection caused by MRSA</td>
<td>Hironori UNNO, et al.</td>
</tr>
<tr>
<td>1-PS58-2</td>
<td>Three cases of intra–articular antibiotic injection for infection after total knee arthroplasty</td>
<td>Shutaro AIBA, et al.</td>
</tr>
</tbody>
</table>
1-PS58-3  A case of infected total knee arthroplasty treated with pumping and anti-biotics
Dept. of Orthop. Surg.,

1-PS58-4  Procalcitonin level was useful for a judgment of the artificial joint preservation of the
total knee prosthesis late onset infection

1-PS58-5  Limited range of motion after infected total knee arthroplasty: A case report
Dept. of Orthop. Surg.,
Kitakyushu Municipal Medical Center  Shingo FUKAGAWA, et al 513

1-PS58-6  Case report, TKA after treated bisphosphonate-related osteonecrosis of the jaw
Fujiyoshida Municipal Medical Center  Toru IWAMA, et al 513

<table>
<thead>
<tr>
<th>18:00~18:30</th>
<th>Poster 59</th>
<th>TKA surgical technique 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moderator: Masaaki KOBAYASHI</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1-PS59-1  The Result of TKA using both measured resection technique and modified gap
technique

1-PS59-2  Availability of the medial index advanced gap sizer in CR-TKA

1-PS59-3  Effect of synovectomy on gap and soft tissue balance in PS-TKA
The Center for Rheumatic Disease, Nara Medical Univ. Hosp.  Ryota HARU, et al 514

1-PS59-4  Effect of osteotomy line of medial and lateral condyle of femoral distal end on medial
extension gap in TKA

1-PS59-5  Efficacy of posteromedial vertical capsulotomy and using pre-cut trial for selection of
CR or PS

1-PS59-6  The time required for additional posterior condyle osteotomy using pre-cut trial in
total knee arthroplasty
Dept. of Orthop. Surg., Sasayama
Medical Center, Hyogo College of Medicine  Akira OKAYAMA, et al 515

<table>
<thead>
<tr>
<th>18:30~19:00</th>
<th>Poster 60</th>
<th>TKA surgical technique 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moderator: Makoto KOBORI</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1-PS60-1  Evaluation of Intraoperative Change for BCR-TKA
Sonoda Joint Replacement Center Hosp.  Masamitsu SAKAMOTO, et al 515

1-PS60-2  The evaluation of the accuracy of distal femoral and proximal tibial bone cut with
image free navigation system in TKA

1-PS60-3  Use of flexible intramedullary femoral guide in total knee arthroplasty

1-PS60-4  Effect of bone transplantation into peg holes with a NexGen trabecular metal modular
tibial component
1-PS60-5  An idea for accurate osteotomy of posterior tibial slope in total knee arthroplasty  

1-PS60-6  Our methods for improving precision of tibial posterior slope in total knee arthroplasty  
Hakodate Orthop. Clinic  Kou SUZUKI, et al ...516

18:00～18:30  Poster 61  TKA surgical technique 3  
Moderator : Takahiko KIYAMA

1-PS61-1  Complete repair of joint capsule in muscle spearing approach for knee arthroplasty  

1-PS61-2  Measured resection CR–TKA which maintains the lateral joint line using advanced gap sizer  

1-PS61-3  Efficacy of femoral posterior condyle cut in total knee arthroplasty  
Chuno Kosei Hosp.  Kiichiro ANDO, et al ...517

1-PS61-4  The consideration of suitable bone resection of the distal femur in TKA of flexion contracture cases  

1-PS61-5  The relationship with the tibia growth plate tilt and the joint surface tilt in normal knee  
Dept. of Orthop. Surg., Keio Univ.  Kastuya NAGAI, et al ...517

1-PS61-6  In-vivo kinematic analyses with use of a novel posterior referenced gap sizer during computer assisted total knee arthroplasty (TKA)  
Chibune General Hosp.  Katsumasa TEI, et al ...518

18:30～19:00  Poster 62  TKA general  
Moderator : Yuichi MOCHIDA

1-PS62-1  Related skeletal muscle mass loss and physical function in TKA preoperative patient  
National Center for Geriatrics and Gerontology  Hiroki IIDA, et al ...518

1-PS62-2  Bone mineral density of lumbar spine or femoral neck in THA or TKA patients  
Shirogane Orthop. Hosp.  Hiroo SHIONO, et al ...518

1-PS62-3  Study of bone mineral density and osteoporosis before total knee arthroplasty  
Dept. of Orthop. Surg., Kitasato Medical Center  Noriko HIRAKAWA, et al ...518

1-PS62-4  A report on bone bank activity for ten years  
Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ.  Daigo KOMATSU, et al ...519

1-PS62-5  The Effects of preoperative renal function for the physical function after the total knee arthroplasty  
Yamaguchi Grand Medical Center  Satoshi KATOU, et al ...519

1-PS62-6  Change of perioperative renal function in total knee arthroplasty  

18:00～18:25  Poster 63  Ankle arthroplasty 1  
Moderator : Akira TANIGUCHI

1-PS63-1  A case of a relatively young patient who require revision surgery in early after underwent total ankle arthroplasty  
Saiseikai Gose Hosp.  Kimio MIURA, et al ...519
1-PS63-2 Case series of talar subsidence with total ankle replacement

1-PS63-3 Outcome of total ankle arthroplasty with the use of FINE total ankle system
Dept. of Musculoskeletal Surg., Mie Univ. Postgraduate School of Medicine Naoya ITO, et al ..........................520

1-PS63-4 The features and short term results of total ankle arthroplasty with total talar whole body
Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine Noriyuki KANZAKI, et al ..........................520

1-PS63-5 Cadaver study to optimize the rotational position of tibia component and improve the insert design for new ankle joint prosthesis
National Hosp. Organization, Osaka Minami Medical Center Jun HASHIMOTO, et al ..........................520

18:25~18:50 Poster 64 Ankle arthroplasty 2 Moderator: Narihito KODAMA

1-PS64-1 2 cases of total talar prosthesis for necrosis of talus

1-PS64-2 Total ankle arthroplasty with artificial talar body: Two case reports

1-PS64-3 Total talar prosthesis replacement for aseptic necrosis of the talus with morbidly obese: A case report

1-PS64-4 A case report of total talar replacement with bone graft to tibial plafond

1-PS64-5 Application of the artificial talus for the patient with metastatic talar tumor

18:00~18:30 Poster 65 Arthroplasty: Upper extremity 1 Moderator: Hiromu ITO

1-PS65-1 Nexcel, new semi-constrained type total elbow system
Dept. of Rheumatology, Nagano Red Cross Hosp. Masatoshi HAYASHI, et al ..........................522

1-PS65-2 Indication of linked and unlinked total elbow arthroplasty: A comparative study of mid to long-term results

1-PS65-3 Development of humeral epicondylar view of X-ray and efficacy on rotational angle measurement of humeral component of total elbow prosthesis
Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo Naohiro IZAWA, et al ..........................522

1-PS65-4 Preoperative elbow strength is correlated with the extension range of elbow at five months after linked total elbow arthroplasty

1-PS65-5 Long-term strategy for total elbow arthroplasty
1-PS65-6  Revision of failed Kudo 5 total elbow arthroplasty with use of allograft: Report of two cases
Anjo Kosei Hosp. Takeshi OGUCHI, et al ...523

1-PS66-1  (Cancelled)

1-PS66-2  A case of the Essex–Lopresti fracture treated with radial head prosthesis and interosseous ligament reconstruction

1-PS66-3  Primary total elbow arthroplasty for humerus transcondylar fracture in elderly patients

1-PS66-4  The problems of humeral hemiarthroplasty for unreconstructable distal humeral fracture in the elderly

1-PS66-5  Medium– and long–term clinical results of total finger arthroplasty with FINE total finger system
Dept. of Orthop. Surg., Toho Univ. Masayuki SEKIGUCHI, et al ...524

1-PS66-6  A non–traumatic penetration of silastic implant after arthroplasty of metacarpophalangeal joint in the rheumatoid hand: A case report
Dept. of Orthop. Surg., Institute of Rheumatology, Tokyo Women’s Medical Univ. Haruki TOBIMATSU, et al ...525