8:20~9:	50 Symposium 8 Progression of THA stem Moderators: Nobuhiko SUGANO, Chiaki TANAKA
2-1-SY8-1	Progress in Zweymuller type stem -design modification in the proximal lateral aspect of the stem and hydroxyapatite coating— Dept. of Orthop. Surg., Yokohama City Univ. Yutaka INABA, et al287
2-1-SY8-2	Clinical Experience of Fit & Fill Type Stem in Cementless Total Hip Arthroplasty Implant and Joint Surgery Center, JCHO Osaka Hospital Katsuya NAKATA, et al287
2-1-SY8-3	Clinical features of tapered wedge stem Dept. of Restorative Medicine of Neuro- Musculoskeletal System, Kanazawa Univ. Tamon KABATA, et al288
2-1-SY8-4	Clinical Trial of Cementless Modular Stem Dept. of Orthop. Surg and Arthroplasty., Asahikawa Medical Univ. Hiromasa TANINO, et al288
2-1-SY8-5	Cemented Collarless Polish Taper Stem for all patients in Total Hip Arthroplasty Hokkaido Orthopaedic Memorial Hospital Naoyuki KATAYAMA289
9:55~11	: 25 Symposium 9 International symposium : Improving patient satisfaction after TKA Moderators : Shuichi MATSUDA, Kirby D. HITT
2-1-SY9-1	Factors affecting patient satisfaction OrthoCarolina Walter B. BEAVER. Jr289
2-1-SY9-2	Alignment: What is our target? Dalhousie Univ. Michael J. DUNBAR290
2-1-SY9-3	Ligament balance: Aiming at medial knee stability with medial preserving gap technique in PS-TKA Dept. of Orthop. Surg., Steel Memorial Hirohata Hosp. Hirotsugu MURATSU, et al290
2-1-SY9-4	ROM after TKA: How can we improve? Dept, of Orthop., Chulalongkorn Hosp. & Faculty of Medicine, Chulalongkorn Univ. Aree TANAVALEE291
2-1-SY9-5	BCR: Does saving the ACL fill the last piece? Dept, of Orthop. Rutgers- Robert Wood Johnson Medical School Alfred J. TRIA291
2-1-SY9-6	Effectiveness and efficiency of the fast-track protocol in total hip and knee arthroplasty (THA and TKA): 11 years of experience. validation of the protocol, analysis of hospital stay, rate of revision surgery and cost in a Spanish public hospital

Santa Cristina Univ. Hosp.

Rafael Llopis MIRÓ, et al......292

N

11 · 45 ~ 12 · 50	Luncheon seminar 10	Moderator · Michiaki	TAKAGI

2-1-LS10-1 Topics of Recent Diagnosis and Treatment of Periprosthetic Joint Infection

Dept. of Orthop. Surg., Yokohama City Univ. Yutaka INABA, et al.......255

Sponsored by Zimmer Biomet G.K.

$14:00\sim15:30$ Symposium 10 Progression of THA cup & head

Moderators: Masaaki MATSUBARA, Shigeru NAKAMURA

2-1-SY10-1 Metal-on-Metal Bearings in Total Hip Arthroplasty Dept. of Rehabilitation Med., Tokyo Medical and Dental Univ. Tetsuva JINNO, et al......292 2-1-SY10-2 Ceramic on Polyethylene Bearing Dept. of Orthop. Surg., Osaka General Medical Center Takashi NISHII, et al......293 2-1-SY10-3 Advantage of cemented acetabular component in total hip arthroplasty Kenichi OE, et al......293 Dept. of Orthop. Surg., Kansai Medical Univ. 2-1-SY10-4 Iumbo cup Dept. of Orthop. Surg., Asahikawa Medical Univ. Hiroshi ITO.....294 2-1-SY10-5 Improvement of fixation in cementless acetabular components

Dept. of Orthop. Surg., Kyushu Univ.

$15:40\sim17:10$ Symposium 11 Analysis of ADL after TKA

Moderators: Tetsuya TOMITA, Hiromasa MIURA

Yasuharu NAKASHIMA, et al......294

- 2-1-SY11-1 In vivo kinematic analysis of Japanese style kneeling after total knee arthroplasty

 Dept. Orthopedic Biomaterial Sci. Osaka Univ. Tetsuya TOMITA, et al.......295
- 2-1-SY11-2 Analysis of muscle activities of the knee joint in subjects after total knee arthroplasty

 Department of Physical Medicine and
 Rehabilitation, Hyogo Collage of Medicine Hospital Kei SETOGAWA, et al.......295
- 2-1-SY11-3 Factors associated with stair climbing ability in patients with total knee arthroplasty

 Nagoya Joint Replacement and Orthopaedic Clinic Hideki WARASHINA, et al.......296
- 2-1-SY11-4 Inability to Kneel After Undergoing Total Knee Arthroplasty

 Department of Bone and Joint Surgery Ehime
 University Graduate School of Medicine Kunihiko WATAMORI, et al.......296
- 2-1-SY11-5 Sports Activities after Total Knee Arthroplasty

 Dept. of Orthop. Surg., Kyushyu Univ. Satoshi HAMAI, et al.........297

Saturday, February 24, Room 2

 $8:20\sim9:20$ Educational Lecture 3 Theory and practice of TKA Soft tissue balance focusing on medial stability

Moderator: Hirotsugu MURATSU

Moderator: Michiaki TAKAGI

- 2-2-EL3-1 Appropriate Surgical Technique in Total Knee Arthroplasty: Theoretical Background Dept. of Orthop. Surg., Kyoto Univ. Shuichi MATSUDA......243
- 2-2-EL3-2 Medial stabilizing technique for TKA Dept. Orthop. Surg., Tokyo Women's Medical University Ken OKAZAKI.....243

$9:25\sim10:25$ Moderator: Shaw AKIZUKI Educational Lecture 4 Complicated TKA

- 2-2-EL4-1 Surgical technique and clinical results of total knee arthroplasty for valgus knee Dept. of Orthop. Surg., Toho Univ. Takashi NAKAMURA......244
- 2-2-EL4-2 Management of bone defect in revision total knee arthroplasty Fukuoka Orthopaedic Hospital Toshihiro OHDERA......244

10:30 ~ 11:30 Educational Lecture 5 TKA using Compurer-Assisted Navigation Moderator: Hiroshi MIKAMI

- 2-2-EL5-1 Is a navigation system essential to unicompartmental knee arthrollasty? Dept. of Orth. Surg., Tokyo Univ. Hiroshi INUI.....245
- 2-2-EL5-2 Navigation-assisted Total Knee Arthroplasty Dept. of Orthop. Surg., Teikyo Univ. Takumi NAKAGAWA......245

11:45 ~ 12:50 Luncheon seminar 11 Moderator: Keishi MARUMO

The Bleeding Countermeasures for TKA and THA 2-2-LS11-1

> Saitama Co-oparative Hosp. Kotaro NIHEI.....255

2-2-LS11-2 Aiming for Safe and Efficient Wound Closure in Artificial Hip Joint Surgery Dept. of Orthop. Surg., Toho Univ. Tatsuro SAKURAI......256 Sponsored by MEDTRONIC JAPAN CO., LTD./Covidien Japan Inc.

$14:00\sim15:00$ Educational Lecture 6 Safty surgery of joint replacement

Medical Safety considered from the data of the Japan Arthroplasty Register

- 2-2-EL6-1 Haruhiko AKIYAMA......246 Dept. of Orthop. Surg., Gifu Univ.
- 2-2-EL6-2 Safty surgery of joint replacement Dept. of Orthop Surg., Nippon Medical School Tokifumi MAJIMA......246

Feb.23(Fri

Day 2 Feb.24(Fri.)

 $15:05\sim16:05$ Educational Lecture 7 Prevention & treatment of periprosthetic infection

Moderator: Tadashi KIKUCHI

2-2-EL7 Safety management of prosthetic implant surgery based on guidelines for preventing periprosthetic joint infection

Dept. of Orthop. Surg., Teikyo Univ. Satoshi ABE......247

 $16:10\sim17:10$ Educational Lecture 8 Medical ethics of joint replacement

Moderator: Hideaki SHIRATSUCHI

2-2-EL8 Situation of medical treatment, study and ethics in orthopedics area

Jinhou Law Office Hiromichi KUWABARA......247

8:20~9:	20 Oral 31 TKA medial pivot	Moderator : Shigeru NAKAGAWA
2-3-0R31-1	Postoperative outcome of GMK Sphere using patient Artificial Joint-Cartilage Implantation Center, Kitasato Insutitue Hospital, Kitasato Univ.	nt matching technology Yasunori TSUKIMURA, et al363
2-3-0R31-2	Evaluation of Mid flexion instability in medial pivot Dept. of Orthop. S Abashiri Kousei C	Surg.,
2-3-0R31-3	Impact of Postoperative Lateral Laxity on Clinical I of Total Knee Arthroplasty Using Medial Pivot Impact of Orthop. Surg., Niigata Prefectural Central Hosp.	
2-3-0R31-4	The effect of the difference in stabilization mechanion patient-based evaluation scores Hakodate Orthope	
2-3-0R31-5	Short Term Results of a Medial Pivot Type Total I with Alumina Femoral Components Dept. of Orthop. Surg., Shiraniwa Hosp	
2-3-0R31-6	Effect of insert design in total knee arthroplasty us Dept. of Orthop. Niigata Prefectural Central Ho	
2-3-0R31-7	The influence of the insert shape on antero-posteri Div. of Orthop. Surg., Niigata Univ.	ior laxity in mid-range flexion Tomoharu MOCHIZUKI, et al364
9:25~10	: 25 Oral 32 Pelvic tilt in THA	Moderator: Masahiro INOUE
2-3-0R32-1	The change of pelvic tilt after total hip arthroplasty between unilateral and bilateral cases Dept. of Orthop. Surg., Nara Medical Univ	-
2-3-0R32-2	Relation of abductor muscle and pelvic coronal tilt Dept. of Orthop. Medical Engineering, Graduate Scho of Medicine, Osaka Univ.	
2-3-0R32-3	Short-term changes in coronal alignment of the perafter total hip arthroplasty Dept. of Orthop. Surg., Univ. of Tok	
2-3-0R32-4	Comparison of Hip Alignment between Unilateral Hand Contralateral Hip Dept. of Bone and Joint Orhop. Surg Japanese Red Cross Medical Center	g.,

2-3-0R32-5	Anterior minimally invasive approach using a leg positioner in total hip arthroplasty. - Intraoperative changes in pelvic tilt and cup anteversion - Dept. of Orthop. Surg., Kanagawa Prefectural Ashigarakami Hospital Takashi ISHIDA, et al365
2-3-0R32-6	The Change of the Cup Anteversion after Spinal Correction Surgery Dept. of Orthop. Surg., Kochi Medical School Shogo TAKAYA, et al366
2-3-0R32-7	The effect of total hip arthroplasty on sagital-pelvic-leg alignment Osaka General Hospital of West Japan Railway Company Nobuo YAMAMOTO, et al366
10:30 ~ 11	I: 30 Educational Lecture 9 THA planning focusing on pelvic inclination Moderator: Masaaki MAWATARI
2-3-EL9-1	Primary total hip arthroplasty for the patients with lateral pelvic tilt Dept. of Restorative Medicine of Neuro- Musculoskeletal System, Kanazawa Univ. Tamon KABATA248
2-3-EL9-2	Total hip arthroplasty for patients with pelvic tilt. How to manage without navigation system
	Wajo Eniwa Hospital Masahiro INOUE248
11:45 ~ 12	2:50 Luncheon seminar 12 Moderator: Tetsuya TOMITA
2-3-LS12-1	Experience in TKA Using a Single Radius Design
2020121	Div. of Adult Reconstructive Surg., Baylor Scott & White Health, USA Kirby D. HITT256 Sponsored by Stryker Japan K.K.
14:00 ~ 15	Div. of Adult Reconstructive Surg., Baylor Scott & White Health, USA Kirby D. HITT256 Sponsored by Stryker Japan K.K.
	Div. of Adult Reconstructive Surg., Baylor Scott & White Health, USA Kirby D. HITT256 Sponsored by Stryker Japan K.K. 5: 30 Symposium 12 Strategy for treatment of comminuted shoulder fracture
14:00~15	Div. of Adult Reconstructive Surg., Baylor Scott & White Health, USA Kirby D. HITT256 Sponsored by Stryker Japan K.K. 5: 30 Symposium 12 Strategy for treatment of comminuted shoulder fracture Moderator: Hiroyasu IKEGAMI, Masao KUROKAWA Strategy of proximal humeral fractures for eldery patients
14:00 ~ 15 2-3-SY12-1	Div. of Adult Reconstructive Surg., Baylor Scott & White Health, USA Kirby D. HITT256 Sponsored by Stryker Japan K.K. 5: 30 Symposium 12 Strategy for treatment of comminuted shoulder fracture Moderator: Hiroyasu IKEGAMI, Masao KUROKAWA Strategy of proximal humeral fractures for eldery patients Dept. Orthop. Surg., Kouseiren Namerikawa Hosp. Yasuhiro NANRI, et al297 Treatment of comminuted fractures of the proximal humerus (AO type B, C) in elderly patients with locking plate
14:00 ~ 15 2-3-SY12-1 2-3-SY12-2	Div. of Adult Reconstructive Surg., Baylor Scott & White Health, USA Kirby D. HITT256 Sponsored by Stryker Japan K.K. 5: 30 Symposium 12 Strategy for treatment of comminuted shoulder fracture Moderator: Hiroyasu IKEGAMI, Masao KUROKAWA Strategy of proximal humeral fractures for eldery patients Dept. Orthop. Surg., Kouseiren Namerikawa Hosp. Yasuhiro NANRI, et al297 Treatment of comminuted fractures of the proximal humerus (AO type B, C) in elderly patients with locking plate Dept. of Orthop. Surg., Kainan Hospital Naoya TAKADA, et al298 Hemiarthroplasty for complex 3- and 4-part proximal humeral fractures in elderly patients: current evidence and future perspectives Dept. of Orthop. Surg., National Hosp.

2-3-SY12-6	Reverse shoulder arthroplasty for proximal humeral fractures in elderly patients		
	Dept. of Orthop. Surg., Gifu Univ.	Nobuo TERABAYASHI, et al300	

$15:40\sim17:10$ Symposium 13 Computer assisted technique for TKA Moderator: Takumi NAKAGAWA, Yasuo NIKI

2-3-SY13-1	Reconsidering the Meanings of Three-dimensional Preoperative Planning for TKA Dept. of Orthop. Surg., Niigata Medical Center Takashi SATO300
2-3-SY13-2	CT and image free navigation Dept. of Orthop. Surg., Tokyo Univ. Hiroshi INUI, et al301
2-3-SY13-3	Computer technology assisted Total Knee Arthroplasty Dept. of Orthop. Surg., Nippon Medical School Yasushi OSHIMA, et al301
2-3-SY13-4	Patient-matched instrumentation in total knee arthroplasty Dept. of Orthop. Surg., Jikei Univ. School of Medicine Daisaburo KUROSAKA, et al302
2-3-SY13-5	Clinical evaluation of the TKA using motion capture system Dept. of Clinical Biomechanics, Keio Univ. Takeo NAGURA, et al302

8:20~9:	: 20 Oral 33 Clinical results of THA • cement 1	Moderator: Hiroshi FUJITA
2-4-0R33-1	Influence of Cement Viscosity on Short-term Results o Dept. of Orthop. Surg., Nagasaki Harbor M.C	-
2-4-0R33-2	Implanting of cement stem using bone plug impactor v Dept. of Orthop. Surg., Tsukuba Univ.	_
2-4-0R33-3	Results of Cemented Total Hip Arthroplasties in Elder Dept. of Orthop. Surg., Kanagawa Prefectural Ashigarakami Hospital	•
2-4-0R33-4	Middle-term results of hybrid total hip arthroplasty Dept. of Orthop. Surg., Aichi Medical Univ.	Kazutaka WATANABE, et al367
2-4-0R33-5	Different Changes of the Head Penetration of 1st Gener Polyethylene -Cemened V.S. Uncemented- Dept. of Orthop. Surg., Gradua School of Medicine, Nagoya Un	ite
2-4-0R33-6	Cemented Total Hip Arthroplasty after Failed Pelvic C Dept. of Orthop. Surg., Hamamatsu Medical Cen	
2-4-0R33-7	Short-term results of total hip arthroplasty with canal Eastern Chiba Medical Center	filling cement stems Makoto TAKAZAWA, et al368
9:25~10	: 25 Oral 34 Clinical results of THA • cement 2	Moderator : Yuji YASUNAGA
9:25~10 2-4-0R34-1	Long-term results of Charnley Elite Plus stem Dept. of Orthop. Surg., Matsudo City Hos	
	Long-term results of Charnley Elite Plus stem	spital Chiho SUZUKI, et al368
2-4-0R34-1	Long-term results of Charnley Elite Plus stem Dept. of Orthop. Surg., Matsudo City Hos Clinical outcomes of collared matte-finished stem, Nova	spital Chiho SUZUKI, et al368 ation Takuma KAIBARA, et al368
2-4-0R34-1 2-4-0R34-2	Long-term results of Charnley Elite Plus stem Dept. of Orthop. Surg., Matsudo City Hos Clinical outcomes of collared matte-finished stem, Nova Obihiro Kosei Hospital Dall approach with UHMWPE polyethylene tape for ce a 5-year observational study of JHEQ	epital Chiho SUZUKI, et al368 ation Takuma KAIBARA, et al368 emented THA: Yoshinori OKAMOTO, et al368
2-4-0R34-1 2-4-0R34-2 2-4-0R34-3	Long-term results of Charnley Elite Plus stem Dept. of Orthop. Surg., Matsudo City Hos Clinical outcomes of collared matte-finished stem, Nova Obihiro Kosei Hospital Dall approach with UHMWPE polyethylene tape for ce a 5-year observational study of JHEQ Dept. of Orthop. Surg., Osaka Medical College Periprosthetic Focal Osteolysis in THA with CMK Ster	epital Chiho SUZUKI, et al368 ation Takuma KAIBARA, et al368 emented THA: Yoshinori OKAMOTO, et al368 m o. Surg. Isao HASEGAWA369 asty
2-4-0R34-1 2-4-0R34-2 2-4-0R34-3 2-4-0R34-4	Long-term results of Charnley Elite Plus stem Dept. of Orthop. Surg., Matsudo City Hos Clinical outcomes of collared matte-finished stem, Nova Obihiro Kosei Hospital Dall approach with UHMWPE polyethylene tape for ce a 5-year observational study of JHEQ Dept. of Orthop. Surg., Osaka Medical College Periprosthetic Focal Osteolysis in THA with CMK Ster Wajokai Asunaro Orthop The long-term outcome of cemented total hip arthrople with titanium-alloy charnley-type femoral stem	spital Chiho SUZUKI, et al368 ation Takuma KAIBARA, et al368 emented THA: Yoshinori OKAMOTO, et al368 m o. Surg. Isao HASEGAWA369 asty niv. Yuki OKUTANI, et al369

10:30 ~ 1	1:30 Oral 35 THA surgical technique and complication Moderator: Satoshi IIDA
2-4-0R35-1	Clinical results of cable grip system for Total Hip Arthroplasty Dept. Orthop. Surg. Osaka City General Hosp. Masanori MATSUURA, et al370
2-4-0R35-2	Tapered-wedge stem length affects risk of periprosthetic femoral fracture in direct anterior total hip arthroplasty Funabashi Orthopedic Hospital Tatsuya TAMAKI, et al370
2-4-0R35-3	Femoral nerve palsy following total hip arthroplasty with the direct anterior approach Funabashi Orthop. Hosp. Hirotake SEKIGUCHI, et al370
2-4-0R35-4	Risk Factor of the Iliopsoas Impingement after Total Hip Arthroplasty Dept. Orthop. Surg. Kanazawa Univ. Hosp. Takuro UENO, et al370
2-4-0R35-5	Iliopsoas Impingement after Toatal Hip Arthroplasty Dept, of Orthop., Nissan Tamagawa Hosp. Shungo MURAI, et al371
2-4-0R35-6	Application of the Baba classification focused on implant designs for the interprosthetic femoral fracture Dept. of Orthop. Surg., Juntendo Univ. Tomonori BABA, et al371
2-4-0R35-7	Short Term Results of Total Hip Arthroplasty Performed in Patients After Liver Transplantation Dept. of Orthop. Surg., Keio Univ. Akihito OYA, et al371
11:45~1	2:50 Luncheon seminar 13 Moderator: Ayumi KANEUJI
2-4-LS13-1	Treatment Strategy for Cementless Stem Selection in the Reconstruction of Hip Function Dept. of Orthop. Surg., Nissan Tamagawa Hosp. Masaaki MATSUBARA257 Sponsored by Johnson & Johnson K.K.
14:00~1	5:00 Oral 36 THA approach 1 Moderator: Kazuhiro OINUMA
2-4-0R36-1	Is Piriformis-Sparing Approach Superior to Conventional Posterolateral Approach in Terms of Recovery Rate of Hip Muscle after Total Hip Arthroplasty? Implant and Joint Surgery Center, Osaka Hospital Satoru TAMURA, et al371
2-4-0R36-2	Evaluation of implant positioning in primary total hip arthroplasty with antero-lateral approach in supine position Dept. of Orthop. Surg., Matsudo City Hosp. Sei YANO, et al372
2-4-0R36-3	Relation between joint capsular ligament preservation and leg lengthening in AL-supine approach Dept. of Orthop. Surg., Saka Midorii Hosp. Hiroshi TERAYAMA, et al372
2-4-0R36-4	Long-term results of revision total hip arthroplasty -survival rate for each type of acetabular reconstruction-

Dept. Orthop. Surg., Kyoto Univ.

Toshiyuki KAWAI, et al......372

2-4-0R36-5	Early clinical outcome of direct anterior and posterior approach for primary total hip arthroplasty Dept. of Orthop. Surg., Juntendo Univ. Urayasu Hosp. Takahito YUASA, et al372
2-4-0R36-6	The Accuracy of Cup Alignment in THA Through a Direct Anterior Approach Using Fluoroscopic Imaging Nagano Prefectural Shinshu Medical Center Kenya WATANABE, et al373
2-4-0R36-7	Comparative Retrospective Study of the Direct Anterior Approach in the Spine and Lateral Position for Primary Total Hip Arthroplasty Dept. of Orthop. Surg., Obihiro Kosei General Hospital Takuya KONNO, et al373
15:05~10	6:05 Oral 37 THA approach 2 Moderator: Masahiro HASEGAWA
2-4-0R37-1	Clinical experiment of AMIS-THA Dept. of Orthop. Surg., Univ. of Miyazaki Hospital Yoshihiro NAKAMURA, et al373
2-4-0R37-2	Quantitative evaluation of hip joint stability in THA.OCM approach and DL approach Dept. of Orthop. Surg., Kochi Univ. Toru MORIMOTO, et al373
2-4-0R37-3	Comparison study of the precise placement of the stem for THA with OCM approach between anatomical stem and tapered-wedge stem Sumitomo Hosp. Dept. of Orthop. Surg. Hirokazu MAE, et al374
2-4-0R37-4	Comparison of cup alignment between supine and lateral position in total hip arthroplasty via anterolateral approach: A prospective randomized trial Dept. of Orthop. Surg., Tokyo Medical and Dental Univ. Ryohei TAKADA, et al374
2-4-0R37-5	Clinical benefit of bilateral THA in supine-position with capsular ligament preserving technique Dept. of Orthop. Surg., Keio Univ Arihiko KANAJI, et al374
2-4-0R37-6	Leg lengthening and femoral offset in cementless THA according to surgical approaches Dept. of Artificial Joints and Biomaterials, Hiroshima Univ. Takuma YAMASAKI, et al374
2-4-0R37-7	Clinical experience and Sirgical Pitfalls of SuperPath Approach for Total Hip Arthroplasty Dept. of Orthop. Surg., Chutoen General Medical Center Shogo MARUYAMA, et al375
16:10~1	7:10 Oral 38 THA revision, surgical technique Moderator: Hiroshi TAZAWA
	To Star So Trivitovision, Sargical toomingas
2-4-0R38-1	Secular trends of total hip arthroplasty Dept. of Orthop. Surg., Yamagata Saisei Hosp. Hiroyuki KAWAJI, et al375
2-4-0R38-2	The risk factor of muscle damage after total hip arthroplasty through anterior approach Dept. Orthop. Surg., Konan Kosei Hosp. Masashi KAWASAKI, et al375
2-4-0R38-3	Clinical result and discussion of revision total hip arthroplasty Dept. of Orthop. Surg., Showa Univ. Yasutaka KAJI, et al375

2-4-0R38-4 The direct anterior approach for hip revision Dept. of Orthop. Surg., Juntendo Univ. Tomonori BABA, et al......376 2-4-0R38-5 Revision total hip arthroplasty with cementless long stem Dept. of Orthop. Surg., Saga Univ. Shunsuke KAWANO, et al......376 2-4-0R38-6 Clinical evaluation of cementless revision THA assisted with femoral longitudinal split osteotomy for failure of well-fixed extended porous-coated cementless stems Dept. of Musculoskeletal Biomech. Surg. Development Satoshi NAGOYA, et al......376 2-4-0R38-7 Evaluation of flexion and internal rotation angle after cutting ischiofemoral ligament in cadaver study with total hip arthroplasty Dept. of Orthop. Surg., Hirosaki Memorial Hosp. Koichi AKAISHI, et al......376

Poster Room

8:20~9:	20 Oral 39 Clinical results of TKA 6	Moderator : Koji SUZUKI
2-5-OR39-1	Mobile-bearing TKA Dept. of Orthop. Surg., Tomisiro Central Hosp.	Takao NOGUCHI, et al377
2-5-0R39-2	Long term clinical results of NRG CR cementless total kn-evaluation of 10 years and more after surgery-Dept. of Orthop. Surg., Nagano Matsushiro General Hospital	nee arthropasty Hiroshi HORIUCHI, et al377
2-5-0R39-3	Mid-term Clinical Results of Posterior Stabilized Total K Dept. of Orthop. Surg., Tokyo Medical and Dental Univ.	Inee Prosthesis for Japanese Kenta KATAGIRI, et al377
2-5-0R39-4	Changes over time of postoperative extension angle and in total knee arthroplasty	
2-5-0R39-5	Osaka City General Hospita Long-term outcomes of mobile bearing total knee arthro	
	with different types of mobile bearing designs Dept. of Orthop. Surg., Kawaguchi Kogyo General Hosp.	Toru TAKAHASHI, et al378
2-5-0R39-6	Mid-term Results of CR type Uncemented Total Knee A Dept. of Orthop., Chiba Rosai Hospit	
2-5-OR39-7	Evaluation of Mid-Term Clinical Result of TKA and UK Sonodakai Joint Reconstruction Center Hosp.	A in Young Patients Takanori HAYASHI, et al378
9:25~10	: 25 Oral 40 Clinical results of TKA 7	Moderator : Ryuichi GEJO
9:25~10 2-5-0R40-1	Flexion angle of Femoral component who achieved Japanes Dept. of Arthroplasty Center, Daiyukai General Hospital	se sitting knee after CR-TKA
	Flexion angle of Femoral component who achieved Japanes Dept. of Arthroplasty Center, Daiyukai General Hospital When is the best time to start ROM exercise following to: A randomized controlled trial	se sitting knee after CR-TKA Masafumi OTANI, et al378 otal knee arthroplasty?
2-5-0R40-1	Flexion angle of Femoral component who achieved Japanes Dept. of Arthroplasty Center, Daiyukai General Hospital When is the best time to start ROM exercise following to A randomized controlled trial Dept. of Orthop. Surg., Shiraniwa Hosp. Comparison of the rang of motion between anterior and	se sitting knee after CR-TKA Masafumi OTANI, et al378 otal knee arthroplasty? Hiroyuki NAGATA, et al379
2-5-0R40-1 2-5-0R40-2	Flexion angle of Femoral component who achieved Japanes Dept. of Arthroplasty Center, Daiyukai General Hospital When is the best time to start ROM exercise following to: A randomized controlled trial Dept. of Orthop. Surg., Shiraniwa Hosp. Comparison of the rang of motion between anterior and total knee arthroplasty The Sports Medicine and Knee Center, National Hospital	se sitting knee after CR-TKA Masafumi OTANI, et al378 otal knee arthroplasty? Hiroyuki NAGATA, et al379
2-5-0R40-1 2-5-0R40-2	Flexion angle of Femoral component who achieved Japanes Dept. of Arthroplasty Center, Daiyukai General Hospital When is the best time to start ROM exercise following to: A randomized controlled trial Dept. of Orthop. Surg., Shiraniwa Hosp. Comparison of the rang of motion between anterior and total knee arthroplasty The Sports Medicine and Knee Center, National Hospital Organization, Kofu National Hospital The Long-term Results of Total Knee Arthroplasty with Scott Dept. of Orthop. Surg.,	se sitting knee after CR-TKA Masafumi OTANI, et al378 otal knee arthroplasty? Hiroyuki NAGATA, et al379 posterior reference
2-5-0R40-1 2-5-0R40-2 2-5-0R40-3	Flexion angle of Femoral component who achieved Japanes Dept. of Arthroplasty Center, Daiyukai General Hospital When is the best time to start ROM exercise following to: A randomized controlled trial Dept. of Orthop. Surg., Shiraniwa Hosp. Comparison of the rang of motion between anterior and total knee arthroplasty The Sports Medicine and Knee Center, National Hospital Organization, Kofu National Hospital The Long-term Results of Total Knee Arthroplasty with Scott Dept. of Orthop. Surg., Kawaguchi Kogyo General Hosp. The comparison with the ranges of motion after TKA, at retaining TKA, PCL retaining TKA and Posterior stability	se sitting knee after CR-TKA Masafumi OTANI, et al378 otal knee arthroplasty? Hiroyuki NAGATA, et al379 posterior reference akashi YAMASHITA, et al379 rpio NRG PS Aritoshi YOSHIHARA, et al379 mong bicruciate

ഗ

2-5-OR40-7 Reduced Posterior Condylar Offset Does not Limit Knee flexion in Posterior Stabilized Total Knee Arthroplasty

Dept. of Orthop. Surg., Hanwa Joint Reconstruction Center, Hanwa Daini Senboku Hosp.

Yohei OHYAMA, et al......380

Moderator: Takeshi SAWAGUCHI

Moderator: Nobuto KITAMURA

Moderator: Ryuji NAGAMINE

10:30 ~ 11:30 Oral 41 TKA revision

2-5-OR41-1 Treatment Strategy of the Total Knee Arthroplasty Revision

Sonodakai Joint Replacement Center Hosp. Masamitsu SAKAMOTO, et al.......380

2-5-0R41-2 Clinical evaluation of revision total knee arthroplasty

Dept. of Orthop., Marunouchi Hospital Takashige MOMOSE, et al.......380

2-5-0R41-3 Calcaneal or Navicular Insufficiency Fractures Following Total Hip

and Knee Arthroplasty

Dept. of Orthop. Surg., Unnan City Hosp.

Norio YAMAMOTO, et al.......381

2-5-0R41-4 Risk of tantalum peeling in trabecular metal tibial compornent with porous tantalum

Dept. of Orthop. Surg., Kochi Red Cross Hosp. Tadashi UCHIDA, et al.......381

2-5-OR41-5 Noise Generation with Good Range of Motion but without Femorotibial Instability has Small Effect of Patient Satisfaction after TKA

Dept. of Orthop. Surg., Kyoto Univ. Shinichi KURIYAMA, et al......381

2-5-0R41-6 Outcome of periprosthetic distal femoral fractures following total knee arthroplasty

Dept. of Orthop. Surg., Hokkaido Orthopaedic Memorial Hospital Jun UCHIDA, et al.......381

2-5-OR41-7 Surgical Treatment for Supracondylar fracture of femur

after total knee arthroplasty surgery (TKA)

Dept. of Orthop. Surg., Nagano Matsushiro General Hospital Yoshiyuki KOTODA, et al.......382

11:45 ~ 12:50 Luncheon seminar 14

2-5-LS14-1 Our Approach for "Natural and Pain-free" Knee Arthroplasty

Dept. of Orthop. Surg., Tokyo Univ. Hiroshi INUI.......257 Sponsored by HISAMITSU PHARMACEUTICAL CO., INC.

$14:00 \sim 15:00$ Oral 42 TKA PF joint

2-5-OR42-1 Evaluation of Patellofemoral Contact Condition After Total Knee Arthroplasty Using Computer simulation

Dept. of Orthop. Surg., Kyushu Univ. Yuan MA, et al.......382

2-5-OR42-2 Factors Affecting Patellofemoral Joint after Total Knee Arthroplasty

Dept. of Orthop. Surg., Shinshu Univ. Yusuke AKAOKA, et al.......382

2-5-0R42-3 Assessment of Preoperative Patellofemoral Rotational Alignment

in Total Knee Arthroplasty with Non-resurfaced Patella

Dept. of Orthop. Surg., Steel Memorial Hirohata Hosp. Shu WATANABE, et al.......382

2-5-0842-4	Short- term results of total knee arthroplasty without patellar resurfacing for the depressed deformity of patella Dept. of Orthop. Surg., Fujita Health Univ. School of Medicine Kazue HAYAKAWA, et al383
2-5-0R42-5	The change of Anterior Condylar Height Affect the Contact Pressure of Patello-Femoral Joint after Total Knee Arthroplasty Dept. of Orthop. Surg., Kyoto Univ. Kohei NISHITANI, et al383
2-5-0R42-6	Relationship of the patella tilt to the range of motion after Total Knee Arthroplasty Dept. of Physical Therapy, Kyoto Shimogamo Hosp. Yuka SUMI, et al383
2-5-0R42-7	Clinical outocome of quadriceps strength using anatomic patellar component by Attune TKA Kashiba Asahigaoka Hospital Daisuke MATSUOKA, et al383
15:05~1	6:05 Oral 43 TKA ROM·others Moderator: Sadafumi ICHINOHE
2-5-0R43-1	Improvement of the Preoperative Abnormal Posture after Total Knee Arthroplasty Dept. Orthop. Surg., Nippon Medical School Yasushi OSHIMA, et al384
2-5-0R43-2	Periodical change of extension after total knee arthroplasty, posterior intercondylar release makes better or worse? Dept. of Orthop. Surg., Kashiba Asahigaoka Hospital Tadashi FUJII, et al384
2-5-0R43-3	Influence of preoperative muscle torque for postoperative flexion angle after Total Knee Arthroplasty Dept. of Rehab., Hachiya Orthop. Hosp. Yuji WATANABE, et al384
2-5-0R43-4	Utility of Early Motion Exercise with Rehabilitation Cushion in Total Knee Arthroplasty Funabashi Orthop. Hosp. Ryutaku KANEYAMA, et al384
2-5-0R43-5	Procedure to gain a large ROM after TKA: results of two methods Yagi Orthopaedic Hospital Tomonori YAGI, et al385
2-5-0R43-6	Greater Reduction of Anterior Condyle of the Distal Femur Improves One-Year Postoperative Flexion After TKA in Patients with OA Dept. of Orthop. Surg., Kyoto Univ. Kohei NISHITANI, et al385
2-5-0R43-7	Rotation of the hip joint after total knee arthroplasty Dept. of Orthop. Surg., Nippon Medical School Tatsunori KATAOKA, et al385
16:10~1	7:10 Oral 44 TKA revision, surgical technique Moderator: Ryutaku KANEYAMA
2-5-0R44-1	Patella Alignment in Total Knee Arthroplasty Using a Lateral Parapatellar Approach to Valgus Knees Dept. of Orthop. Surg., Gifu Univ. Kyosuke YAMAMOTO, et al385
2-5-0R44-2	Knee Arthroplasty following a Failed Open Wedge Osteotomy by Hemicallotasis Fukuoka Orthopaedic Hospital Shusaku MATSUDA, et al386
2-5-0R44-3	Treatment experience of TKA and THA simultaneous surgery Saitama Cooperative Hospital Ayano KUWASAWA, et al386

2-5-0R44-4	Primary Total Knee Arthroplasty for Patients with Recurvatum Deformity
	Joint Replacement Center, Ogori Daiichi General Hosp. Hiroshi FUJII, et al386
2-5-0R44-5	Postoperative results of total knee arthopasty with undervastus approch and midvastus approach
	Dept. of Orthop. Surg., Minato Redcross Hospital Hiroshi ASANO, et al386
2-5-0R44-6	The Adjustment of Flexion-extension Gap and Satisfaction in PS type
	Total Knee Arthroplasty using the Pre-cut Trial Method
	Dept. of Orthop. Surg. Wakayama Medical Univ. Takaya TANIGUCHI, et al387
2-5-0R44-7	Association with the femoral mechanical axis and transepicondylar axis in TKA
	Dept. of Orthop. Surg. and
	Rheumatology, Nagoya Medical Center Yosuke HATTORI, et al387

8:20~9:	20 Oral 45 TKA Gap 3	Moderator : Masaaki KOBAYASHI
2-6-0R45-1	Correlation between intraoperative coronal s and patient self-assessed outcome measure Dept. of Orthop. Surg., Shin-Yurigao	after surgery of total knee arthroplasty
2-6-0R45-2	The Effect of Postoperative Knee Stability of in Cruciate-Retaining Total Knee Arthropla Dept. of Orthop. Surg., Steel Memorial Hiro	sty
2-6-0R45-3	The consideration of bone resection of femore in TKA using pre-cut technique Wajo	ral posterior condyle Eniwa Hospital Yusuke NISHIO, et al388
2-6-0R45-4	The importance of release of the posterior content intercondylar notch during posterior stabilization Dept. of Orthop. Surg., Univ. of Occupational and Environment	red total knee arthroplasty
2-6-0R45-5	Control of Mid-flexion Instability in Joint Le Funabashi Ortho	
2-6-0R45-6	The experience which used Curved gap gate of the Kaneyama's precut method Dept. of Orthop. Surg., Saise	
2-6-0R45-7	The effect of increased posterior femoral composterior stabilized TKA Hanwa Joint Reconstruction	
9:25~10	: 25 Oral 46 Management of pain and blee	eding in TKA 1 Moderator : Kazue HAYAKAWA
2-6-0R46-1	Reduction of postoperative pain accelerates a randomized controlled study Dept. of Orthop. Surg. and Sports Me Univ. of Tsukuba Hosp. Mito Clinical and Training Center Mito General Ho	edicine, Education
2-6-0R46-2	Pain deterioration cases in the early stage at Dept. of Reha	fter discharge in total knee Arthroplasty ab., Eniwa Hosp. Yusuke KOIKE, et al389
2-6-0R46-3	Osteotomy of the lateral aspect of the patella during total knee arthroplasty to improve po Dept. of Orthop. Surg., Inter University of Health and We School of Medicine	ost-op pain rnational
2-6-0R46-4	The clinical study of effectiveness of non-su Dept. of Orthop. Surg., JCHO Tama	_

N

വ

Room 8

2-6-0R46-5 Efficiency of portable navigation (KneeAlign2) for post-operative bleeding Dept. of Orthop. Surg. Inage Hosp. Katsumi SASATANI, et al......390 2-6-0R46-6 Effect of peri-articular injection of tranexiamic acid on functional recovery after total knee arthroplasty Dept. of Orthop. Surg., Gifu Univ. Hitoshi HIROSE, et al......390 2-6-0R46-7 Combined Intra-Articular Tranexamic Acid and Drain Clamping Reduces Blood Loss in Total Knee Arthroplasty Dept. of Orthop. Surg. JCHO Kyushu Hospital Takeshi NAKAGAWA, et al.......390 10:30 ~ 11:30 Oral 47 Management of pain and bleeding in TKA 2 Moderator: Hiroshi HORIUCHI 2-6-0R47-1 Ultrasound guided peripheral nerve block and periarticular cocktail injection are equally useful in TKA postoperative pain management Dept. of Orthop. Surg., Fukui General Hosp. Tomohiro OJIMA, et al......391 2-6-0R47-2 Investigation of Post-operative Pain Management of Total Knee Arthroplasty using Esflurbiprofen Plaster Dept. of Orthop. Surg., Yokohama City Univ. Yohei SASAKI, et al......391 2-6-0R47-3 Pain management after TKA. Is a steroid necessary for the next day's way additional cocktail injection? Dept. of Orthop. Surg., Saiseikai Toyama Hosp. Hideto FUJII, et al......391 2-6-0R47-4 A short term result of a variety of anesthesia for total knee arthroplasty Daisuke MATSUOKA, et al......391 Kashiba Asahigaoka Hospital Postoperative pain control for total knee arthroplasties-Compared femoral 2-6-0R47-5 and sciatic nerve block with femoral nerve block and periarticular injection-Dept. of Orthop. Surg., Asahikawa Medical Univ. Go SATO, et al......392 2-6-0R47-6 Comparative study between continuous epidural anesthesia and continuous femoral nerve block for postoperative pain management after total knee arthroplasty Dept. of Orthop. Surg., Univ. of Occupational and Environmental Health Daisuke ARAKAWA, et al.......392 2-6-0R47-7 When is the pain after total knee arthroplasty relieved? Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine Hiroaki KIJIMA, et al......392 11:45 ~ 12:50 Luncheon seminar 15 Moderator: Takuya OTANI

14:00~1	5:00 Oral 48 TKA navigation 1	Moderator: Akio KOBAYASHI
2-6-0R48-1	Influence of coronal bowing in cases of OA and RA kne and the positioning of component using Knee Align 2 Dept. of Orthop., Yokohama City University Medical Center	
2-6-0R48-2	Comparison between senior surgeon and resident in bil arthroplasty using portable navigation system. Dept. of Orthop. Surg., Center Hospital of National Center for Global Health and Medi	
2-6-0R48-3	Experience of Knee align 2 navigation for femoral bone Dept. of Orthop. Surg., Kyushu Rosai Hos	
2-6-0R48-4	Comparison of Implant Position with or without using I in the same patient in total knee arthroplasty Osaka City General Hosp. On	
2-6-0R48-5	Evaluation of Tibial Component Angle in Total Knee A Using Knee Align 2 Compared with Conventional Meth Dept. of Orthop. Surg., Nishinomiya Watanabe Ho	nod
2-6-0R48-6	Evaluation of the Recommended Cutting Angle in Sagi and Anatomical Axis of Distal Femur in Navigated TK Dept. of Orthop. Surg., Komaki City Hosp.	
2-6-0R48-7	Change of the Mechanical Leg Axis during Navigated Dept. of Orthop. Surg., Komaki City Hos	
15:05~1	6:05 Oral 49 TKA navigation 2 Mode	erator : Tomoyuki MATSUMOTO
2-6-0R49-1	A study on intraoperative kinetic analysis and Short-te of CS Mobile bearing TKA using image free navigation Yamagata Saisei Hosp.	
2-6-0R49-2	Evaluation of the Accuracy of TKA Using ExactechGP Joint Replacement and Rehabilitation Center, Iida Hospital	S Yakayuki KOBAYASHI, et al394
2-6-0R49-3	Investigation of the Accuracy of Component Angle in Twith Simplified Portable Navigation (iASSIST) Dept. of Orthop. Surg., Saiseikai Hyogoken Hosp	
2-6-0R49-4	Accuracy of Accelerometer Based navigation (i ASSIS Dept. of Orthop., Kawaguchi Municipal Hosp.	Takanobu SUMINO, et al395
2-6-0R49-5	The change of midflextion instability in postoperative to Dept. of Orthop. Surg., Kanagawa Prefectural Ashigarakami Hosp.	otal knee arthroplasty patients Kentaro SHINOHARA, et al395
2-6-0R49-6	Relationship between inclination of implant at the coror and installation angle after TKA Chugoku Rosai Hospital	nal plane Yasuhiko SUMIMOTO, et al395

2-6-0R49-7 The angle between intramedulllary rods and anatomical femoral axis in TKA, -To elevate the accuracy of intramedullary rods technique-Dept. of Orthop. Surg., Saiseikai Kure Hosp. Gen YOKOTA, et al......396

16:10~1	7:10 Oral 50 TKA navigation 3	Moderator: Yasunori TSUKIMURA
2-6-0R50-1	The efficacy of patient specific instrumentation in t Sonodakai Joint Replacement Center Hosp.	
2-6-0R50-2	The Trial of Improvement in Distal Femoral Resec Center for Joint and Implant Surg., JCHO Osaka Hosp.	-
2-6-0R50-3	A New Patient Specific Instrumentation Improved of Tibial Rotation for Total Knee Arthroplasty Dept. of Orthop. Surg., Osaka General Hosp. of West Japan Railway Company	the Accuracy Kazumasa YAMAMURA, et al396
2-6-0R50-4	3D printing technique to improve the extramedulla tibial cutting guide positioning in total knee arthrop Dept. of Orthop. Surg., Chiba Rehabilitation Center.	plasty
2-6-0R50-5	Accuracy validation of total knee arthroplasty bone accelerometer-based portable navigation-use of the Dept. of Orthop. Surg., Osaka City General	e patients with history of fractures-
2-6-0R50-6	Evaluation of a coronal alignment in total knee arth Dept. of Orthop. Surg., Yokkaichi Hazu Medical Cer	
2-6-0R50-7	Accuracy of Portable Navigation System in Total K Dept. of Orthop. Surg., Kyushu U	

8:20~9:	10 Oral 51 THA Cup & Wear	Moderator: Harumoto YAMADA
2-7-0R51-1	Femoral Head Penetration of Vitam Liners in Total Hip Arthroplasty fo Dept. of Orthop. Sur	-
2-7-0R51-2	Evaluation of in vitro cytokine prod to oxidized UHMWPE pseudo wear Teijin Na	_
2-7-OR51-3	- · · ·	al-on-polyethylene total hip arthroplasty using MRI "Tokyo Medical Univ. Tsunehito ISHIDA, et al398
2-7-OR51-4	The experience with Fixa Ti-Por c Yamaguchi Prefecto	up ural Grand Medical Center Kenji HIRATA, et al398
2-7-0R51-5	-	r femoral neck fracture in total hip arthroprasty? thop., Juntendo Univ. Hideo KOBAYASHI, et al399
2-7-0R51-6	Long term results of THA of bone with bulk bone graft in cementless Dept. of Orthop. Surg., Yokohama	THA
9:25~10	: 25 Oral 52 THA Ceramic on Cer	amic Moderator : Fumio SUKEZAKI
2-7-0R52-1	15 years of BIOLOX delta in arthro	plasty: Biology matters CeramTec GmbH Alan PORPORATI, et al399
2-7-0R52-2	Long-term Results of Ceramic-on-ousing Spongiosa Metal II	
		Orthop. Surg., Graduate f Medicine, Gifu Univ. Iori TAKIGAMI, et al399
2-7-0R52-3	with low wear rate compared to 28	_
2-7-0R52-4	The accelerated aging examination - Influence of the surface processin	Surg., Nagoya Univ. Yoshitoshi HIGUCHI, et al400 of the fourth generation alumina liner g and the rim crack Surg., Tokyo Medical Univ. Takeshi SEKI, et al400
2-7-0R52-5	for younger patients with normal ra Dept. of J Center, T	ceramic liners in the total hip replacements ange of motion bint Replacement okyo Medical Center, Hospital Organization Yoshinari FUJITA, et al400
2-7-0R52-6	Dept. of 0	with Big diameter ceramic on ceramic articulation Orthop. Surg. Showa kohama Northern Hosp. Akihiko MAEDA, et al400

2-7-0R52-7 A long-term result of ceramic on ceramic articulation in primary total hip arthroplasty (Evaluation of noise and click) Matsudo City Hosp, Orthop. Surg, Kenta INAGAKI, et al.......401 10:30 ~ 11:30 Moderator: Hirohiko TOKUNAGA Oral 53 THA Metal on Metal 2-7-OR53-1 Midterm outcome of metal-on-metal total hip arthroplasty with modular neck stem Dept. of Orthop. Surg., Mie Univ. Hosp. Hiroki WAKABAYASHI, et al.......401 2-7-0R53-2 Clinical Results of Resurfacing Hip arthroplasty for avascular necrosis of femoral head St. Luke's International Hospital, Dept. of Orthop. Surg. Soichi TSUJI, et al......401 2-7-0R53-3 How long should we continue the screening for ARMD after metal-on-metal THAs? Dept. of Orthop. Surg., Hyogo Rehabilitation Central Hosp. Naoko SHIMA, et al......401 2-7-0R53-4 Examination of Adverse Reactions to Metal Debris in Metal-on-Metal THA Dept. of Orthop. Surg., Kumamoto City Hosp. Hirovuki WATANABE, et al........402 2-7-0R53-5 Chronic Expanding Hematoma after Metal-on-Metal Total Hip Arthroplasty Dept. of Orthop. Surg., Kansai Rosai Hospital Wataru ANDO, et al......402 2-7-0R53-6 Is the Large Head MoM Articulation Really Bad? Comparison of Mid-term Results between Two Component Designs in MoM THA Dept. of Orthop, Surg., Kansai Hirohiko TOKUNAGA, et al.......402 Medical Univ. Medical Center 2-7-0R53-7 Imaging assessment using ultrasonography for complications after hip resurfacing arthroplasty Dept. of Orthop. Surg., Yokohama City Univ. Hyonmin CHOE, et al......402 11:45 ~ 12:50 Luncheon seminar 16 Moderator: Hiroshi HASHIGUCHI 2-7-LS16-1 New Generation of Lateralization in Comparison with Grammont RSA Dept. of Orthop. Surg., Fukui General Hosp. Kotaro YAMAKADO......259 2-7-LS16-2 Present and Future in Onlay Type Reverse Shoulder Arthroplasty Dept. of Orthop. Surg., Toho Univ. Sch. of Med. Hiroyasu IKEGAMI......259 Sponsored by Exactech K.K. 14:00 ~ 14:50 Oral 54 **FHR** Moderator: Arihiko KANAJI 2-7-0R54-1 Reexamination of Protection of Hip Dislocation by Posterior Capsular in Posterior Approach BHA Dept. of Orthop. Surg., Saitama Medical Center, Jichi Medical Univ. Takahiro NISHIMURA, et al........403

Experience of cemented hemiarthroplasty by Conjoint tendon preserving

Nagasaki Rosai Hospital

Masahiro SUIKO, et al.......403

2-7-0R54-2

2-7-0R54-3

Cancelled

posterior approach (CPP) method

2-7-0R54-4	Comparison of bipolar hemiarthroplasties using posterior approach preserving posterior hip supporting structures Dept. of Orthop. Surg, Chugoku Rousai Hosp. Shinichi UEKI, et al403
2-7-0R54-5	Conjoined tendon preservation posterior approach for hip hemiarthroplasty Dept. of Orthop. Surg., Nippon Medical School Hiroshi WATANABE, et al404
2-7-0R54-6	Dual mobility cup THA is a suitable implant for femoral neck fracture of elderly cases Dept. of Orthop. Surg., Saiseikai Yokohamashi Tobu Hospital Kazutaka TAKADA, et al404
2-7-0R54-7	The Result of Bipolar Head Arthroplasty Preserving Intra Capsular Ligament Dept. of Orthop. Surg., Yokohama Shin-Midori General Hosp. Takeaki UENO, et al404
15:05~1	5:55 Oral 55 Total ankle arthroplasty Moderator: Satoru OZEKI
2-7-0R55-1	Comparison of clinical results between arthrodesis and total arthroplasty for the bilateral osteoarthritis of the ankle Takakura Orthopaedic & Sports Clinic Yoshiyuki TAKAKURA, et al404
2-7-0R55-2	Outcome of Total Ankle Arthroplasty with the Use of FINE Total Ankle System Dept. of Orthop. Surg., Graduate School of Medicine, Mie Univ. Masakazu MORIKAWA, et al405
2-7-0R55-3	Total ankle arthroplasty for RA cases [mid-to long term follow-up] Dept. of Orthop. Surg. Osaka Univ. Makoto HIRAO, et al405
2-7-0R55-4	Clinical results of periprosthetic osteolysis after total ankle arthroplasty Dept. of Orthop. Surg., Kobe Univ. Takahiro YAMASHITA, et al405
2-7-0R55-5	The Flexibility of Subtalar Joint after Total Ankle Arthroplasty with Total Talar Prosthesis Dept. of Orthop. Surg., Kobe Univ. Kazuyuki IBARAKI, et al405
2-7-0R55-6	Clinical Outcome of Negative Pressure Wound Therapy on Closed Surgical Incision after Total Ankle Arthroplasty Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine Masao RYU, et al406
16:10~1	7:10 Oral 56 Reverse shoulder arthroplasty Moderator: Hiroshi HASHIGUCHI
2-7-0R56-1	Comparative study for Reverse Shoulder Arthroplasty between anterior and posterior approach Dept. of Orthop., Fukuoka Univ. Chikushi Hospital Yuya HASHINO, et al406
2-7-0R56-2	Evaluation of the range of motion after reverse shoulder arthroplasty in our hospital Orthop. Surg. Reconstructive Medicine of Neuro- Musculoskeltal System Fujita Health Univ. School of Medicine Mitsuko YAMADA406
2-7-0R56-3	The course of the surgical side non-operative side elevator muscle force after reverse type total artificial shoulder joint replacement surgery Seireimikatahara Hosp. Hiromitu HARII, et al406

2-7-0R56-4	Effect of prosthesis design on shoulder geometry after reverse shoulder arthroplasty Dept. of Orthop. Surg., NHO Kochi National Hospital Shoji FUKUTA, et al407
2-7-0R56-5	Comparison of lateral and inferior offset among 5 implants in reverse shoulder arthroplasty Dept. of Orthop. Surg., Osaka City University Graduate School of Medicine Tomoya MANAKA, et al407
2-7-0R56-6	Comparison of clinical outcomes between Grammont and lateralized reverse shoulder arthroplasty Dept. of Rehab., Fukui General Clinic Yumi KUBO, et al407
2-7-0R56-7	The effect of rotator cuff reconstruction for reverse shoulder arthroplasty –multiplecenter study Dept. of Orthop. Surg., Asahikawa Medical Univ. Naoki MIYOSHI, et al407

8:20~9:	20 Oral 57	TKA biomechanics	Moderator: Tomohiro ONODERA
2-8-0R57-1		t the position of the patella at the sligh num flexion of the Fine knee Rehabilitation Medicine, Aichi Medical University Hospital	t flexion gives Takahiro YAMAMOTO, et al408
2-8-0R57-2		t the distance from femoral axis to anto al component to knee maximum flexion Rehabilitation Medicine, Aichi Medical University Hospital	
2-8-0R57-3	for the kinen	f Journey BCS and the effect of ligamenatics t. of Orthop. Surg., Shiga Univ. of Medical Sc	
2-8-0R57-4		atics After Lateral UKA Are Closer Thatics of the Native Knee Dept. of Orthop. Surg., Tokush	
2-8-0R57-5	Postoperative	e Motion Analysis in Mobile CS TKA Dept. of Orthop. Surg., Shimura I	Hosp. Toru YOSHIOKA, et al409
2-8-0R57-6	Comparison	of mid-flexion instability between differ Univ. Teikyo F	_
2-8-0R57-7	used CT-free	re analysis of the knee passive flexion keen avigation of Orthop. Surg., Hyogo College of Medicine	
9:25~10	: 25 Oral 58	UKA 4	Moderator: Takashi SATO
2-8-0R58-1	_	ween the conventional phase 3 instrum mponent position in Oxford medial unio Sakata City Hosp. Ya	compartmental knee arthroplasty
2-8-0R58-2	_	ve reference landmark for replication of unicompartmental knee arthroplasty Dept. of Orthop. Surg. and Rheumatol., Kindai Univ. Nar.	
2-8-0R58-3	Installation a	ngle of unicompartmental knee arthrop Fukuoka Orthopaedic Hospita	
2-8-OR58-4		igation system at unicompartmental kn of component placement Osaka City General Ho	
2-8-0R58-5		iter UKA with image free navigation syon -Comparison TeSP technique with s Dept. of Orthop. Surg., Yamaguchi Red Cro	ystem for proximal spacer block technique-

Room

2-8-0R58-6 The relationship between the alignment of UKA comportent by 3D templating soft and radiolucent line Dept. of Orthop. Surg., Kawasaki Medical Univ. Hosp. Yoshiaki MIYAKE, et al.......411 2-8-0R58-7 The Influence of Postoperative Varus Alignment on the Clinical Results of Unicompartmental Knee Athroplasty (UKA) Dept. of Orthop. Surg., Ehime Seikyo Hosp. Kazuki MORIZANE, et al.......411 10:30 ~ 11:30 Oral 59 TKA Gap 4 Moderator: Hitoshi SEKIYA 2-8-0R59-1 Comparison of Medial Congruent type CR and Conventional type CR TKA in Tibial anterior displacement and function. Dept. of Orthop. Surg., Higashimatsuyama Municipal Hosp. Manabu SHIMIZU, et al.......411 2-8-0R59-2 A clinical Study of the Flexion Component Gap between Intraoperative Measurement and Postoperative Radiographic Measurement in Total Knee Arthroplasty Div. of Orthop. Surg., Saiseikai Takaoka Hosp. Koichi KANEKASU, et al.......411 2-8-0R59-3 An Evulation Study of the Insert Gap by using the Curved Gap Gauge in Total Knee Arthroplasty Div. of Orthop. Surg., Saiseikai Takaoka Hosp. Koichi KANEKASU, et al.......412 2-8-0R59-4 Relationship between bone gap and long-term clinical outcome for TKA Dept. of Orthop Surg., Hiroshima Prefectural Akitsu Hosp. Toshihiko GOTO, et al.......412 2-8-0R59-5 Difference in tibiofemoral contact point among three different prosthesis types of Total knee Arthroplasty (TKA) and healthy knee Dept. of Orthop Surg., Division of Medicine, Biomedical Sciences Major, Graduate School of Biomedical Sciences. Hiroshima Univ. Seiju HAYASHI, et al.......412 2-8-0R59-6 Required time of posterior condylar osteotomy using pre-cut trial in Total Knee Arthroplasty among multiple hospitals Dept. of Orthop. Surg., Sasayama Medical Center, Hyogo College of Medicine Akira OKAYAMA, et al......412 2-8-0R59-7 Evaluation of Gap Space in TKA with Curved Gap Gauge Dept. of Orthop. Surg., Toyooka Chuo Hosp. Hidetoshi HAMAGUCHI, et al.......413

11:45 ~ 12:50 Luncheon seminar 17

2-8-LS17-1 New Adventure in TKA with Mobile Bearing System

Dept. of Orthop. Surg., TK Orthop. Surg., Korea Tae Kyun KIM.......260 Sponsored by B. Braun Aesculap Japan Co., Ltd.

Moderator: Tokifumi MAJIMA

14:00 \sim 15:00 Oral 60 Clinical results of THA \cdot cementless 5 Moderator : Makoto OSAKI

2-8-0R60-1 Clinical and Radiographica Rresults of 179 Thrust Plate HipProstheses

Dept. of Orthop. Surg., Hiroshima Univ. Mikiya SAWA, et al.......413

2-8-0R60-2	Mild-term Results of CLS Dept. of Orthop. Surg., Yamaguchi Rosai Hosp. Yasuhiro KAWAKAMI, et al413
2-8-0R60-3	Changes in the score of three patient-reported outcomes in total hip arthroplasty Dept. of Orthop. Surg., Juntendo Univ. Mikio MATSUMOTO, et al413
2-8-0R60-4	Evaluation of hip range of motion after total hip arthroplasty Dept. of Orthop. Surg., Yoshida Orthopaedic Hosp. Masaki TSUBOI414
2-8-0R60-5	The follow up rate of the patient with total hip arthroplasty Dept. of Orthop. Surg., Saga Univ. Masaru KITAJIMA, et al414
2-8-0R60-6	Radiographic evaluation in total hip arthroplasty using GTS stem Dept. of Orthop. Surg., Anshin Hosp. Shingo NITTA, et al414
2-8-0R60-7	Comparison of X-ray evaluation in two models of Taper wedge stem Dept. of Orthop. Surg., Kobe Univ. Kazuhiro TAKEUCHI, et al414
15:05~1	6:05 Oral 61 Clinical results of THA • cement 3 Moderator: Tamon KABATA
2-8-0R61-1	Comparison between Simplex P and Cobalt HV cement in Hybrid THA Nagasaki Rousai Hospital Kyosuke KOBAYASHI, et al415
2-8-0R61-2	Relation between Postoperative Femoral Fracture and Cement Leaking in Total Hip Arthroplasty with Cemented Stem Funabashi Orthopaedic Hospital Yoshiatsu NAKAKITA, et al415
2-8-0R61-3	Short-term Results of DCM-J cemented stem Dept. of Orthop. Surg., Kansai Rosai Hospital Yoshichika HASHIMOTO, et al415
2-8-0R61-4	Cross-linked polyethylene improves long-term results of cemented total hip arthroplasty: minimum 10 years' comparative study with conventional polyethylene Dept. of Orthop. Surg., Minaminagano Medical Center Shinonoi General Hosp. Masaaki MARUYAMA, et al415
2-8-0R61-5	Mid-term results of revision THA using KT-plate with massive allo-bone grafting Dept. of Orthop. Surg., Yamagata Univ. Yuya TAKAKUBO, et al416
2-8-0R61-6	Total Hip Arthroplasty for Rapidly Destructive Coxarthrosis Japanese Red Cross Wakayama Medical Center Yasutsugu KAWAI, et al416
2-8-0R61-7	Stem Subsidence and Cortical Cancellisation after Total Hip Arthroplasty using Collarless Polished Tapered Stem Dept. of Orthop. Surg., Yamagata Univ. Juji ITO, et al416
16:10~1	7:10 Oral 62 Postoperative management after THA Moderator: Chiaki TANAKA

2-8-0R62-1 Study of the effectiveness of acetaminophen for postoperative pain after total hip arthroplasty

Tokyo Metropolitan Tama Medical Center Kanto MOURI, et al.......416

2-8-0R62-2	Preoperative physical function is related to discharge to home within 14 days after total hip arthroplasty
	Dept. of Rehab., Kitasato Univ. Hospital Yuta NANRI, et al417
2-8-0R62-3	Sports activity following direct anterior total hip arthroplasty Funabashi Orthopaedic Hospital Taishi NINOMIYA, et al417
2-8-0R62-4	Factors Affecting Home Discharge within 14 Days after THA Rehabilitation Center, Saiseikai Utsunomiya Hospital Minoru NAGASAKI, et al417
2-8-0R62-5	Effect of rehabilitation in early period after total hip arthroplasty Dept. of Reha., Funabashi Orthop. Hosp. Yoshikazu SENOH, et al417
2-8-0R62-6	Factors influence to achieve 3 days length of stay protocol after total hip arthroplasty Shonan Kamakura Joint Reconstruction Center Kazunari NINOMIYA, et al418
2-8-0R62-7	Improvement of Locomotive Syndrome after Total Hip Arthroplasty Dept. of Orthop. Surg., Kanazawa Univ. Tomoharu TAKAGI, et al418

8:20~9:	20 Oral 63 TKA infection	Moderator: Norishige IIZAWA
2-9-0R63-1	Experience of Early Diagnosis for Infectious Arthritis Us Sonodakai Joint Reconstruction Center Hosp.	se of Alpha-Defensin Takanori HAYASHI, et al418
2-9-0R63-2	Effects of early debridement and antibiotic multiple drug for infected knee arthroplasty Dept. of Orthop. Surg., Kawasaki Medical School	g combination Kensuke TANAKA, et al418
2-9-OR63-3	Prophylaxis against prosthetic joint infection after total l Dept. of Orthop. Surg., Yagi Orhopaedic Hosp	
2-9-0R63-4	Clinical Results of Deep Infection After Total Knee Arth Dept. of Orthop. Surg., Kobe Univ. Ma	aroplasty asanori TSUBOSAKA, et al419
2-9-0R63-5	Treatment of Infection after Total Knee Arthroplasty Dept. of Orthop. Surg., Yamaguchi Grand Medica	al Center Daisuke OISHI419
2-9-0R63-6	Examination of the intranasal culture test result before 'Osaka Saiseikai Tondabayashi Hosp. Artificial Joint Cen	-
2-9-0R63-7	Result of Surgical Treatment of Periprosthetic Infections with Primary Total Knee Arthroplasty Dept. of Orthop. Surg., Wajokai Eniwa Ho	
9:25~10	: 25 Oral 64 DVT 1	Moderator : Tomoatsu KIMURA
9:25~10 2-9-0R64-1	Incidence and Risk Factor of Deep Vein Thrombosis after Dept. of Orthop. Surg., Univ. of Occupa and Environmental Health Japan Hosp	er Total Knee Arthroplasty
	Incidence and Risk Factor of Deep Vein Thrombosis after Dept. of Orthop. Surg., Univ. of Occupa	er Total Knee Arthroplasty ational . Yuta IEIRI, et al420 Patients Undergoing TKA:
2-9-0R64-1	Incidence and Risk Factor of Deep Vein Thrombosis after Dept. of Orthop. Surg., Univ. of Occupa and Environmental Health Japan Hosp Perioperative Screening of Deep Venous Thrombosis in Cut-off value of the Fibrin Monomer Complex Level	er Total Knee Arthroplasty ational Yuta IEIRI, et al420 Patients Undergoing TKA: ital Yasuyuki ABE, et al420 using Contrast Enhanced cal prophylaxis-
2-9-0R64-1 2-9-0R64-2	Incidence and Risk Factor of Deep Vein Thrombosis after Dept. of Orthop. Surg., Univ. of Occupa and Environmental Health Japan Hosp Perioperative Screening of Deep Venous Thrombosis in Cut-off value of the Fibrin Monomer Complex Level Dept. of Orthop. Surg., Kumamoto Chuo Hospi Prospective Investigation DVT/PE after Primary TKA CT and Venous Ultrasonography –Edoxaban as a chemic Dept. of Orthop. Surg. Showa Univ. Koto Toyosu How Venous thromboembolism in total knee arthroplasty: A follow up study on the effects of prophylaxis	er Total Knee Arthroplasty ational Yuta IEIRI, et al420 Patients Undergoing TKA: ital Yasuyuki ABE, et al420 using Contrast Enhanced cal prophylaxis-
2-9-0R64-1 2-9-0R64-2 2-9-0R64-3	Incidence and Risk Factor of Deep Vein Thrombosis after Dept. of Orthop. Surg., Univ. of Occupa and Environmental Health Japan Hosp Perioperative Screening of Deep Venous Thrombosis in Cut-off value of the Fibrin Monomer Complex Level Dept. of Orthop. Surg., Kumamoto Chuo Hospi Prospective Investigation DVT/PE after Primary TKA CT and Venous Ultrasonography –Edoxaban as a chemic Dept. of Orthop. Surg. Showa Univ. Koto Toyosu How Venous thromboembolism in total knee arthroplasty: A follow up study on the effects of prophylaxis	er Total Knee Arthroplasty ational Yuta IEIRI, et al420 Patients Undergoing TKA: ital Yasuyuki ABE, et al420 using Contrast Enhanced cal prophylaxis— sp. Atsushi SATO, et al420 Proshiyuki TATEIWA, et al421 ection with Steroid

2-9-0R64-7

_	2-9-UN04-/	after total knee arthroplasty Dept. of Orthop. Surg., Kochi Medical S	
	10:30 ~ 11	1:30 Oral 65 DVT 2	Moderator: Shigeru YANAGIMOTO
	2-9-0R65-1	Comparison of postoperative deep vein thrombosis thromboembolism by THA approach Dept. of Orthop. Surg., Keio Uni	
	2-9-0R65-2	VTE prophylaxis in total hip arthroplasty with nove Dept. of Orthop. Surg, Saiseikai Yokohamashi Tobu Hospital	,
	2-9-0R65-3	Pilot study for prevention of postoperative deep vei after total knee arthroplasty with selective heparini Dept. of Orthop. Surg., Shins	ization of affected leg
-	2-9-0R65-4	Screening of the D-dimer measurement for venous in the lower extremities before undergoing total hip Dept. of Orthop. Surg. Shima	o or knee arthroplasty
-	2-9-0R65-5	The Initial Treatment of Deep Venous Thrombosis with DOAC (direct oral anticoagulant) s alone Dept. of Orthop. Surg., Yonemori Hosp	
=	2-9-0R65-6	Effective of Xa inhibitor for the prevention and trea of deep vein thrombosis after total joint arthroplast Dept. of Orthop. Surg., School of Medicine, Michael Medicine, Mich	y Graduate
-	2-9-0R65-7	Actual situation of postoperative pain after total join and its related factors: Prospective longitudinal studies Dept. of Orthop. Surg., I	dy THA vs TKA
-	11:45 ~ 12	2:50 Luncheon seminar 18	Moderator : Kazufumi MINAMI
_	2-9-LS18-1	Modular-type Zweymuller Stem and Traction Directoral Hip Arthroplasty -Future Perspective- Dept. of Orthop. Surg., Chib. Sponsored by	
	14:00~14	4:50 Oral 66 Clinical results of THA	Moderator: Koh SHIMIZU
	2-9-0R66-1	The follow up rate of the after total hip arthroplasty. Dept. of Orthop. Surg., Akita Red Cross H	
	2-9-0R66-2	Standing stability after Total hip arthroplasty	

Dept. Orthop. Surg, Sasayama Medical Center, Hyogo College of Medicine

Ryo IWAKURA, et al......424

Patients' characteristics for cessation of Edoxaban treatment

Yasuhiro KABURAGI, et al......424

2-9-0R66-4	Detection of Total Hip Prostheses at A according to the type of implant	irport Security Ch	eckpointsDifferences
		Tamagawa Hosp.	Akimasa KIMURA, et al424
2-9-0R66-5	Safety of Total Hip Arthroplasty in Ele	lerly Patients Kakogawa City Hos	pital Kenji KUDO, et al424
2-9-0R66-6	Cost effectiveness of one-stage bilatera Funabashi C	al total hip arthropl Orthopedic Hospital	lasty in operating room Tatsuya TAMAKI, et al425
15:05~15	5:55 Oral 67 Clinical results of TKA	A 8	Moderator : Junji CHIBA
2-9-0R67-1	Investigation of Factors Affecting Life with Total Knee Arthroplasty	Space Assessment	in Patients
	Kurash	niki Riverside Hospita	l Akitsugu SHIRAISHI425
2-9-0R67-2	The effect of differences in physical fur on activity in late elderly	nction after knee re	eplacement surgery
	Kura	shiki Riverside Hospi	tal Shohei SAITO, et al425
2-9-0R67-3	Study of Usefulness of Gait Reserve at	Discharge after To Kurashiki Central Ho	
2-9-0R67-4	Investigation of postoperative physical after Total Knee Arthroplasty	function on activit	у
		Kurashiki Central Ho	osp. Ryo YAMAMOTO426
2-9-0R67-5	The factor of effected on standing motion Dept. of Riha. Fuku		fter total knee arthroplasty Ryoya KOBAYASHI, et al426
2-9-0R67-6	Examination of the subjective instability	ty and its related v	ariables
	after total knee arthroplasty		
	Dept. of Rehabilitation, Niigata	Medical Center	Takeshi KABURAKI, et al426
16:10~17	Dept. of Rehabilitation, Niigata	Medical Center	Takeshi KABURAKI, et al426 Moderator: Nobuhiro ABE
16: 10 ~ 17 2-9-0R68-1		rd UKA	
	7: 10 Oral 68 UKA 5 Short-term results of cementless Oxform	rd UKA ational Hospital T ss UKA ., Hamamatsu	Moderator: Nobuhiro ABE
2-9-0R68-1	7: 10 Oral 68 UKA 5 Short-term results of cementless Oxford Dept. of Orthop. Surg., Osaka N. Short-term results of Oxford cementle Dept. of Orthop. Surg.	rd UKA ational Hospital T ss UKA ., Hamamatsu ital Ry	Moderator: Nobuhiro ABE Takashi MIYAMOTO, et al426 yosuke FURUHASHI, et al427

The Correlation Study between the Quantitative Method for Measurement

Using VAS of Leg Length Discrepancy after THA and the Other

Toshiba Rinkan Hospital Joint Reconstruction Center

2-9-0R66-3

2-9-0R68-5 Clinical results of Oxford UKA for Sub-chondral insufficiency fracture of Medial Femoral Condyle NTT Osaka Hospital Eiji TAKEUCHI, et al.......427 2-9-0R68-6 Unicompartmental knee arthroplasty after high tibial osteotomy Dept. of Orthop. Surg., Kagawa Univ. Yoichi ISHIBASHI, et al.......428 2-9-0R68-7 The change of rotational stability after medial and lateral UKA Dept. of Orthop. Surg., University of Tokushima Tomoya TAKASAGO, et al.......428

Saturday, February 24, Poster Room

12:55~1	3:20 Poster 54 THA revision	Moderator : Hiroshi FUJITA
2-PS54-1	Cup Revision Surgery for Hip Arthroplasty with Fre The Center for Rheumatology, Matsuyama Red Cross Hos	
2-PS54-2	New method of acetabular reconstruction with doubl for large bone loss of acetabular roof Oota Memorial Hosp. Orthop. Surg.	e augment Toshiyuki YAMAUCHI, et al507
2-PS54-3	Outcomes of total hip arthroplasty using GAP II ring Div. of Orthop. Surg., Niigata Univ. Grad School of Medicine and Dental Sciences	
2-PS54-4	Midterm result of total hip arthropathy with KT plat Dept. of Orthop. Surg., Tamagawa	
2-PS54-5	Short-term results of revision total hip arthroplasty us Dept. of Orthop. Surg., Nagahama City Hosp.	
12:55~1	3:25 Poster 55 THA complication 1	Moderator: Hiromi OTSUKA
2-PS55-1	The effect of preoperative tranexamic acid administr in primary total hip arthroplasty Dept. of Orthop. Surg., Kyorin U	
2-PS55-2	Comparison of doses of topical tranexamic acid for to Dept. of Orthop. Surg., Nagahama City Hosp.	
2-PS55-3	The efficacy of local injection of tranexamic acid for pin total hip arthroplasty Dept. of Orthop. Surg., Saiseikai Matsusaka General H	
2-PS55-4	Efficacy of preoperative tranexamic acid intravenous Dept. of Orthop. Surg., Hamamatsu Medical O	
2-PS55-5	Iliopsoas Hematoma Occurred after Primary Total H Dept. of Orthop. Surg., Kanazawa Univ.	ip Arthroplasty Tomoyuki KATAOKA, et al509
2-PS55-6	Iliopsoas hematoma after total hip arthroplasty Saiseikai Matsusaka Ho	ospital Hironori UNNO, et al509
13:25~1	3:55 Poster 56 THA complication 2	Moderator: Hitoshi TANEDA
2-PS56-1	Ceramic head fractures after THA: 2 case studies Dept. of Orthop. Surg., Nippon Medical Chiba Hokusoh Ho	ospital Kazumasa ABE, et al509
2-PS56-2	Early aseptic loosening after revision THA with Tral Revision System: a case report Dept. of Orthop. Surg., National Hosp Organization Kyushu Medical Center	p.

ω

Room 9

2-PS56-3 A case of intra-prosthetic dislocation after total hip arthroplasty using dual mobility cup Dept. of Orthop. Surg., Saiseikai Nobuyuki TANAKA, et al.....510 Yokohamashi Tobu Hosp. 2-PS56-4 Polyethylene Liner Reaming Dual Mobility Cup Scratchfit and Screw fixation Ibaraki Prefectural Central Hosp. Ryota NAKAZAWA, et al.......510 2-PS56-5 A case of anterior impingement after total hip arthroplasty Dept. of Orthop. Surg., Tokyo Medical Univ. Yohei NISHIKAWA, et al.......510 2-PS56-6 Iliopsoas impingement after hip joint arthroplasty Dept. of Orthop. Nakatsu Hosp. Yoshito MINAMI, et al.......510 Moderator: Hiroyuki MAKITA 12:55~13:25 Poster 57 THA complication 3 2-PS57-1 A Case Report of Revision Hip Arthroplasty Combined with Plate Fixation for Focal Osteolysis in Distal Femur Dept. of Orthop. Surg., Osaka Medical College Tomohiko MURAKAMI, et al.......511 2-PS57-2 Implant fracture case report of Changeable neck Zweymuller-type femoral stem Hanwa Joint Reconstruction Center Katsuyuki IMAMURA, et al.......511 2-PS57-3 An atypical periprosthetic femoral fracture -a case report-Dept. of Orthop. Surg., Tohoku Rousai Hosp. Yoshihiro UTSUNOMIYA, et al......511 2-PS57-4 Recurrent anterior dislocation of a hip after THA:Treatment by spino-pelvic realignment Case report Omuro Orthop. Spine and Joint Clinic Hidenori KYO, et al......511 2-PS57-5 Acute Total Hip Arthroplasty and Percutaneous fixation for the Acetabular fracture in the elderly Dept. of Orthop. Surg. and Joint Reconstructive Shintaro IWAI, et al......512 Surg., Toyama Municipal Hospital 2-PS57-6 Complete resolution of referred knee pain after total hip arthroplasty in a patient with terminal arthritis with no hip symptoms Dept. of Orthop. Surg., Takarazuka City Hosp. Hiroki MINAMI, et al......512 Poster 58 THA complication 4 Moderator: Hiroshi TANAKA 13:25 ~ 13:55 2-PS58-1 A Rare Case of Femoral Greater Trochanter and Lateral wall Disappearing after Cementless THA Kumamoto Chuo Hosp. Takahiro ARIMA, et al.......512 2-PS58-2 The treatment of acetabular periprosthetic fracture after total hip arthroplasty Dept. of Orthop. Surg., Osaka Rosai Toshiyuki SHIOMI, et al.......512 2-PS58-3 Choronic expanding hematoma occurred after primary total hip arthroplasty -report of two cases-Dept. of Orthop. Surg., Yamaguchi Univ. Takayuki SETO, et al......513 2-PS58-4 A Case of Migration of a Trial Head into the Retroperitoneal Space during Total Hip Arthroplasty Dept. of Orthop. Surg., Omagari Kousei Medical Center Takaya SATO, et al......513

	after total hip arthroplasty for traumatic coxarthros Dept. of Orthop. Surg., Minaminagano Medical Center, Shinonoi General Hos	
2-PS58-6	A case of foreign body granulomas with Hydroxyap compressed the bladder wall after Revision Total Hi Dept. of Orthop. Surg., Minaminagano Medical Center, Shinonoi General Hos	ip Arthroplasty
12:55~1	3:25 Poster 59 THA complication 5	Moderator : Tetsuya JINNO
2-PS59-1	Management of periprosthetic femoral fractures Dept. of Orthop. Surg., Nagoya Central He	ospital Hideki TAKAGI, et al514
2-PS59-2	Therapeutic Strategy of Vancouver Type B2 Peripr Dept. of Orthop. Surg, Baba Memori	
2-PS59-3	Risk factors for post-operative periprosthetic fractu total hip arthroplasty with the Zweymuller femoral Dept. of Orthop. Surg., Nagoya	stem
2-PS59-4	X-rays evaluation of BHA/THA with tapered wedg Dept. of Orthop. Surg., Abashiri Kot	
2-PS59-5	Total hip arthroplasty after proximal femoral fractu Dept. of Orthop. Surg., Onomichi M	
2-PS59-6	A case of huge heterotropic ossification after occurr hemiarthroplasty implant who had already heterotro Dept. of Orthopedic Surgery, National Hosp. Organization Shimoshizu Hosp.	
13:25~1	3:50 Poster 60 THA complication 6	Moderator: Tokuhisa SANO
2-PS60-1	The natural history of osteoarthritis of the hip due to a 5-year minimum follow-up study Funabashi Orthopaedic Hosp	
2-PS60-2	Analysis by SEM and FEM about a neck-breakage Dept. of Orthop. Surg., Kumamoto Kinoh l	
2-PS60-3	Relationship between postoperative pain following h clinical satisfaction and change of leg length, offset Osaka Saiseikai Nakatsu Hosp. Dept. of Ort	
2-PS60-4	Inguinal Pain after THA Resulting from Rotational A Saitama Co-oparative	-
2-PS60-5	Femoral nerve running around hip joint -comparison and Dept. of Orthop. Surg., Chiba Un	

A case with excavation of the femoral vein due to giant iliopubic hematoma

2-PS58-5

12:55~1	3:25 Poster 61 THA highly dislocated hip Moderator: Hirotsugu OHASHI
2-PS61-1	An Analysis of correlation between flexion angle and leg elongation avoiding nerve palsy in primary THA
	Dept. Orthop. Surg., Wakayama Medical Univ. Takaya TANIGUCHI, et al516
2-PS61-2	Midterm results of total hip arthroplasty using Modulus stem for high dislocation of the hip Dept. of Outhern Sung, Kensei Bassi Hage. Teleseki OCAWA et al. 517
2-PS61-3	Dept. of Orthop. Surg., Kansai Rosai Hosp. Takeshi OGAWA, et al517 Clinical and radiographic result of total hip arthroplasty with subtrochanteric osteotomy Dept. of Bone and Joint Surg., Ehime
	Univ. Graduate School of Medicine Tomomi KAMADA, et al517
2-PS61-4	Mid to long term results of total hip arthroplasty with subtrochanteric shortening osteotomy for Crowe group IV hip
	Dept. Orthop. Surg. Kyoto Univ. Toshiyuki KAWAI, et al517
2-PS61-5	Subtrochanteric shortening osteotomy in THA with cemented stem for Crowe type IV dysplastic hip
	Dept. of Orthop. Surg., Hyogo College of Med. Shigeo FUKUNISHI, et al517
2-PS61-6	Conversion of Girdlestone Arthroplasty to Total Hip Replacement Dept. of Orthop. Surg., Saiseikai Yokohamashi Tobu Hospital Atsuhiro FUJIE, et al518
	Tokonamasin Tobu Hospitai Atsumro Fojile, et al010
13:25~1	3:55 Poster 62 THA cup and stem 1 Moderator: Tomonori BABA
2-PS62-1	Evaluation of bone ingrowth into tantalum porous acetabular component using CT with metal artifact reduction software
	Dept. of Orthop. Surg., Nagoya Univ. Shuji ASAI, et al518
2-PS62-2	Two cases ofprimary total hip arthroplasty using Ganz reinforcement ring Dept. of Orthop. Surg., Yamaguchiken Saiseikai Shimonoseki General Hospital Takenobu FUJISAWA, et al518
2-PS62-3	Evalation of Initial Gaps between New-generation cementless acetabular components and conventional component Dept. of Orthop. Surg., Asahikawa Medical Univ. Tatsuya SATO, et al518
2-PS62-4	Short term result of SQRUM HA Cup Dept. Orthop. Surg., Okayama Red Cross Hospital Hirokazu DATE, et al519
2-PS62-5	Long-term results of highly-porous acetabular component in our hospital Dept. of Orthop. Surg., Osaka National Hosp. Yasuo KURODA, et al519
2-PS62-6	Effect of Component Position on Cross-Linked Polyethylene Liner Dept. of Orthop. Surg., Asahikawa Medical Univ. Ryo MITSUTAKE, et al519

12:55~1	3:25 Poster 63 THA cup and stem 2	Moderator: Yoshihide NAKAMURA	
2-PS63-1	Custom acetabular component using 3D titanium trial of designing and manufacturing	_	
2-PS63-2	Dept. of Arthroplastic Medicine, Nagoya C Custom acetabular component using 3D titanium	additive manufacturing,	
	Comparison of material property of laser additive Medical Design Research Nagoya City Univ. Hospita	Center,	
2-PS63-3	Comparison of material property by location of the	r component using 3D titanium additive manufacturing, iterial property by location of the manufacturing table	
	Medical Design Research (Nagoya City Univ. Hospita		
2-PS63-4	Custom acetabular component using 3D titanium Differnce of material property by the direction of J3D C		
2-PS63-5	Custom acetabular component using 3D titanium Differnce of material property by the repetition of J3D C		
2-PS63-6	Evaluation of acetabular cup stability in total hip LASER resonance frequency analysis Dept. of Orthop. Surg., Keio		
13:25~1	3:55 Poster 64 THA cup and stem 3	Moderator : Atsushi CHUMA	
13:25~1 2-PS64-1	3:55 Poster 64 THA cup and stem 3 Clinical evaluation on the usefulness of the Kinece Dept. of. Orthop. Surg., Akita Kousei Medica	tiv M/L Taper Stem	
	Clinical evaluation on the usefulness of the Kinecon Dept. of. Orthop. Surg., Akita Kousei Medical Is flexed insertion malalignment on sagittal align with a cementless tapered-wedge femoral stem?	etiv M/L Taper Stem al Center Natsuo KONISHI, et al521 ment in total hip arthroplasty	
2-PS64-1	Clinical evaluation on the usefulness of the Kinecon Dept. of. Orthop. Surg., Akita Kousei Medical Is flexed insertion malalignment on sagittal align	tiv M/L Taper Stem al Center Natsuo KONISHI, et al521 ment in total hip arthroplasty duate School	
2-PS64-1	Clinical evaluation on the usefulness of the Kined Dept. of. Orthop. Surg., Akita Kousei Medical Is flexed insertion malalignment on sagittal align with a cementless tapered-wedge femoral stem? Dept. of Orthop. Surg. Gravof Medical Sciences, Kanaz Short-term Results of a Short, Tapered Cementle of Bone Density Changes Around Stems and Ste	tiv M/L Taper Stem al Center Natsuo KONISHI, et al521 ment in total hip arthroplasty duate School tawa Univ. Ken UEOKA, et al521 ess Stem ~ Comparison m Alignment ~	
2-PS64-1 2-PS64-2	Clinical evaluation on the usefulness of the Kined Dept. of. Orthop. Surg., Akita Kousei Medical Is flexed insertion malalignment on sagittal align with a cementless tapered-wedge femoral stem? Dept. of Orthop. Surg. Grad of Medical Sciences, Kanaz Short-term Results of a Short, Tapered Cementless	tiv M/L Taper Stem al Center Natsuo KONISHI, et al521 ment in total hip arthroplasty duate School rawa Univ. Ken UEOKA, et al521 ess Stem ~ Comparison m Alignment ~ a Hospital Toshimasa USUI, et al521	
2-PS64-1 2-PS64-2 2-PS64-3	Clinical evaluation on the usefulness of the Kined Dept. of. Orthop. Surg., Akita Kousei Medical Is flexed insertion malalignment on sagittal align with a cementless tapered-wedge femoral stem? Dept. of Orthop. Surg. Grad of Medical Sciences, Kanaz Short-term Results of a Short, Tapered Cementle of Bone Density Changes Around Stems and Stem Dept. of Orthop. Surg., Shiraniwa Evaluation of reactive line and stem alignment in Dept. of Orthop. Surg., Hirosaki Three-Dimensional analysis of fixation style of Tusing Three-Dimensional THA planning softwar	tiv M/L Taper Stem al Center Natsuo KONISHI, et al521 ment in total hip arthroplasty duate School rawa Univ. Ken UEOKA, et al521 ess Stem ~ Comparison m Alignment ~ a Hospital Toshimasa USUI, et al521 at tapered wedge stem Univ. Yoshifumi HARADA, et al522 fapered wedge stem e	
2-PS64-1 2-PS64-2 2-PS64-3 2-PS64-4	Clinical evaluation on the usefulness of the Kined Dept. of. Orthop. Surg., Akita Kousei Medical Is flexed insertion malalignment on sagittal align with a cementless tapered-wedge femoral stem? Dept. of Orthop. Surg. Grad of Medical Sciences, Kanaz Short-term Results of a Short, Tapered Cementle of Bone Density Changes Around Stems and Stemper. Dept. of Orthop. Surg., Shiraniwa Evaluation of reactive line and stem alignment in Dept. of Orthop. Surg., Hirosaki Three-Dimensional analysis of fixation style of T	tiv M/L Taper Stem al Center Natsuo KONISHI, et al521 ment in total hip arthroplasty duate School rawa Univ. Ken UEOKA, et al521 ess Stem ~ Comparison m Alignment ~ a Hospital Toshimasa USUI, et al521 at tapered wedge stem Univ. Yoshifumi HARADA, et al522 rapered wedge stem e g, Ehime	
2-PS64-1 2-PS64-2 2-PS64-3 2-PS64-4	Clinical evaluation on the usefulness of the Kined Dept. of. Orthop. Surg., Akita Kousei Medical Is flexed insertion malalignment on sagittal align with a cementless tapered-wedge femoral stem? Dept. of Orthop. Surg. Grad of Medical Sciences, Kanaz Short-term Results of a Short, Tapered Cementle of Bone Density Changes Around Stems and Stem Dept. of Orthop. Surg., Shiraniwa Evaluation of reactive line and stem alignment in Dept. of Orthop. Surg., Hirosaki Three-Dimensional analysis of fixation style of Tusing Three-Dimensional THA planning softwar Dept. of Bone and Joint Surg.	tiv M/L Taper Stem al Center Natsuo KONISHI, et al521 ment in total hip arthroplasty duate School rawa Univ. Ken UEOKA, et al521 ess Stem ~ Comparison m Alignment ~ a Hospital Toshimasa USUI, et al521 at tapered wedge stem Univ. Yoshifumi HARADA, et al522 rapered wedge stem e g., Ehime dicine Joji MIYAWAKI, et al522 red wedge cementless stem with osteoarthrosis	

12:55~1	3: 25 Poster 65 THA dislocation 1 Moderator: Taiken RII
2-PS65-1	Repair of Ischiofemoral Ligament in Posterior Approach THA Japan Commnity Health Care Organization Utsunomiya Hosp. Masataka HASUE, et al522
2-PS65-2	Revision for recurrent dislocation of total hip replacement Dept. of Orthop. Surg. and Joint Center, Kurume University Medical Center Atushi MATSUO, et al523
2-PS65-3	Posterior soft tissue repair for the prevention of postoperative dislocation in posterior approach total hip arthroplasty Showa Univ. Koto Toyosu Hosp. Hidenori TOCHIO, et al523
2-PS65-4	Importance of obturator externus muscle repair for Total hip arthroplasty in posterior approach Dept. of Orthop. Surg., Kokuho Central Hospital Yasuo SHIMONISHI, et al523
2-PS65-5	Soft tissue repairs are much more effective in the THA using Dynamic Wall Cup Dept. of Orthop. Sanraku Hosp. Masahiro KIMURA523
2-PS65-6	A femoral head for intra-operative estimation of the combined anteversion Osaka Red Cross Hospital Kazutaka SO524
13:25~1	3:55 Poster 66 THA dislocation 2 Moderator: Toshiki IWASE
2-PS66-1	Short-term results of THA with dual mobility cup Dept. of Orthop. Surg., Univ. of the Ryukyus Hiroyuki TAIRA, et al524
2-PS66-2	Short-term results of Dual Mobility Cup in total hip arthroplasty Dept. of Orthop. Surg., Japanese Red Cross Kyoto Daini Hospital Yasuto FUKUI, et al524
2-PS66-3	Short term result of total hip arthroplasty using dual mobility cup for patient with pelvic tilt angle over 30 degree Dept. of Orthop. Surg., Chuden Hospital Hiroaki MURAKAMI, et al524
2-PS66-4	Experiment of Total Hip Arthroplasty with Dual Mobility Cup Dept. of Orthop. Surg., Umin Univ. Medical Center Yukinao ISHIBASHI, et al525
2-PS66-5	Clinical Results of Dual Mobility Cup Hip Arthroplasty Minami Matsuyama Hosp. Setsuya KAMEI, et al525
2-PS66-6	CT based navigation THA with dual mobility cup for small cup Dept. of Orthop Surg., Yashima General Hospital Koji ASAUMI, et al525
12:55~1	3:25 Poster 67 TKA implant design 1 Moderator: Akihiro KOTANI
2-PS67-1	A case of widespread osteonecrosis of the medial tibial plateau treated with Zimmer PERSONA TKA and bone graft Tottori Municipal Hospital Yukimasa OKADA, et al525
2-PS67-2	Evaluation of preoperative and postoperative anterior knee laxity in total knee arthroplasty by using different kinds of models Dept. of Orthop. Surg., Japanese Red Cross Sagamihara Hosp. Takamasa HIKIDA, et al526

2-PS67-3	Does Bi-cruciate substituting total knee arthroplasty improve patient's satisfaction? Nippon Kokan Fukuyama Hosp. Orthop. Div. Yasuhiro TAKAHARA, et al526
2-PS67-4	The Relationship Between Frequency of Radiolucent Lines in the Tibial Side and Component Coverage of the BCR and CR TKA Center for Arthritis and Joint Surg., Chiba-ken Saiseikai Narashino Hosp. Jin MIYAGI, et al526
2-PS67-5	Treatment and Clinical Outcomes of Complex Primary TKA Sonodakai Joint Replacement Center Hospital Xiangfeng LI, et al526
2-PS67-6	To compare surgical outcome between the difference in implant design of total knee arthroplasty Osaka General Hospital of West Japan Railway Company Shoichi MURAKAMI, et al527
13:25~1	3:55 Poster 68 TKA implant design 2 Moderator: Ayumu TANAKA
2-PS68-1	Assessment of rotational laxity and kinematics in mobile-bearing and fixed-bearing posterior stabilised total knee replacements Kobe Kaisei Hospital Hiroshi SASAKI, et al527
2-PS68-2	Design change of posterior stabilized-mobile TKA influences the implant gap and instability -A comparison between Vanguard RP & PSRP- Hanwa Joint Reconstruction Centar Katsuyuki IMAMURA, et al527
2-PS68-3	Radiolucent lines and BMD changes around tibia base plate after 3D porous cementless TKA compared with HA tibial implant Hachiya Orthopaedic Hospital Hiroki WATANABE, et al527
2-PS68-4	Clinical outcome of the Bi-cruciate preserving TKA with kinematics Dept. of Orthop. Surg., Kawasaki Medical School Kimihiko MAKIYAMA, et al528
2-PS68-5	Short-term results of Journey2 CS type Dept. of Orthop. Surg., Naniwa Ikuno Hosp. Takahiro YAMABE, et al528
2-PS68-6	The Posterior femoral Offset Ratio of Journy2 CR-type in Knee Extension Posture Dept. of Orthop. Surg., Chiba Rehabilitation Center Yoshikazu TSUNEIZUMI, et al528
12:55~1	3:25 Poster 69 TKA implant design 3 Moderator: Yasuhiko KASAHARA
2-PS69-1	Evaluation of kinematics of newly developed PS system for Asian people using cadaver knee specimens Center of Artificial Joint and Rheumatism, Fukuoka Tokushukai Medical Center Ryuji NAGAMINE, et al528
2-PS69-2	Anthropometry of distal femoral bone-cut surface in Japanese total knee arthroplasty patients Hanwa Daini Senboku Hospital, Hanwa Joint Reconstruction Center Kentaro UENO, et al529
2-PS69-3	An analysis of the interference between tibia plate stem and tibial cortex by 3D template soft Center for Joint Replacement Surgery, Kishigawa Rehabilitation Hosp. Wataru TANIGUCHI, et al529

2-PS69-4 Clinical Application of Three Dimensional Printer for Total Knee Arthroplasty with Corrective Femoral Osteotomy Center of Joint and Implant Surg., Osaka Hosp. Kenji TAKAMI, et al......529 2-PS69-5 Relationship between Posterior Tibial Slope and Knee Kinematics in Total Knee Arthroplasty: Comparison of Two Implants Using Computer Simulation Dept. of Orthop. Surg., University of Toho Masaru HADA, et al.......529 2-PS69-6 Effect of Posterior Tibial Slope on Knee Kinematics and Patellofemoral Contact Force after Bi-cruciate Stabilized Total Knee Arthroplasty Dept. of Orthop. Surg., University of Toho Masaru HADA, et al......530 13:25 ~ 13:55 Poster 70 TKA implant design 4 Moderator: Yasushi OSHIMA 2-PS70-1 Midterm Results of Total Knee Arthroplasty Used Trabecular Metal Modular Tibia Kazuteru SHIRAISHI, et al......530 Nagasaki Harbor Medical Center 2-PS70-2 Short-term Results of Journey II BCS Total Knee arthroplasty with Navigation system Dept. of Orthop. Surg., Shiga Univ. of Med. Sci. Kosuke KUMAGAI, et al......530 2-PS70-3 Short-term Results and Patient Satisfaction of BCRTKA in Comparison With Contralateral Side CRTKA in the Same Patients Dept. of Orthop. Surg., Kagawa Univ. Tasuku MASHIBA, et al.......530 2-PS70-4 Comparative study of postoperative results with Bi-cruciate ligament preserved TKA and conventional TKA ~ Using patient-based outcomes ~ Joint Replacement Center, Ishinkai Yao General Hosp. Yuki NISHIMURA, et al......531 2-PS70-5 Short Term Results and Patient's Satisfaction of PS Mobile-bearing TKA Designed for Japanese Population: Venus Knee Dept. of Orthop. Surg., Kosei General Hosp. Keiji SUZUKI, et al......531 2-PS70-6 Short term results of BCR-TKA Sonoda Joint Replacement Center Hospital Kenji KITAMURA, et al......531 12:55~13:25 Poster 71 TKA navigation 1 Moderator: Naoya SHIMAZAKI 2-PS71-1 The cases of total knee arthroplasty by lateral parapatellar approach for valgus knee with using accelerometer based navigation Dept. of Orthop. Surg., Kariya Toyota General Hosp. Koji FUNAHASHI, et al.......531 2-PS71-2 Bone cutting accuracy of PERSONA TKA with iASSIST System Yoshiyuki ISHIMOTO, et al......532 Dept. of Orthop. Surg., Takanohara Central Hospital 2-PS71-3 Comparison between conventional and portable navigated TKA with Knee Align 2 Dept. of Orthop. Surg., Tobata Kyoritsu Hosp. Kenji HAMADA, et al......532 2-PS71-4 Examination on Accuracy of Surgical Method Using Kirschner Wire for Fixation of Tracker in Navigation-Assisted Total Knee Arthroplasty

Nanpuh Hospital

Kenta MAENOSONO, et al......532

	Ι	Dept. of Orthop. Sendai Medical Assoc	tiation Hosp. Riichiro YOSHII, et al532
2-PS71-6	View Radiogra	KA Implantation with Knee Aligaph al Center for Global Health and Medci	
13:25~1	3:55 Poster 7	72 TKA navigation 2	Moderator: Kazuhiko SAEKI
2-PS72-1	between preci-	udy of total knee arthroplasty us sioN Knee CT-free Navigation Sy -based portable navigation Sumitomo Hosp. Dept. of O	ystem and i-ASSIST
2-PS72-2		al Knee Arthroplasty Using a Kn Chondromatosis Izumi Municipa	ee Align 2 for Knee Osteoarthritis l Hosp. Sunao NAKAGAWA, et al533
2-PS72-3		tween the Tibiofemoral anteroposexion position and clinical results Dept. of Bone and Joint Surg., E Univ. Graduate School of Medic	sterior alignment in Journey 2 BCS-TKA Ehime
2-PS72-4	Accuracy of C with different	T-based Patient Specific Instrum contact areas Dept. of Orthop. Surg., Shima	
2-PS72-5		otal knee arthroplasty with patien by computer tomography Dept. of Orthop. Surg., Shinkokura l	
2-PS72-6	Accuracy of P	atient-Specific Instrumentation T Dept. Orthop. Surg. Nozaki-Hig	TKA by postoperative CT evaluation rashi Hosp. Takeshi KOJIMA, et al534
12:55~1	3:20 Poster 7	73 TKA revision	Moderator : Takuya IKUTA
2-PS73-1		sing cruciate ligament preserved ental arthroplasty postoperative p Dept. of Orthop. Surg., Kag	part subsidence
2-PS73-2		day full weight bearing after revi esthetic tibial bicondyle frature Dept. Othop. Surg., Kobe	
2-PS73-3	Total Knee Pr	aft Fracture after Revision TKA osthesis; A Case Report . Surg. Taketa Medical Association Ho	· -
2-PS73-4	of catastrophic	computer simulation model and C failure due to aggressive metallo pt. of Orthop. Surg., Kawasaki Munici	osis -A case report

An investigation of the component placement accuracy of TKA using

portable navigation Knee-Align2-the weigh investigation between way persons-

2-PS71-5

- 2-PS73-5	Re-revision TKA in patient with massive tibial bone defe Maeda Bone and Joint Clin	_
13:20~1	3:50 Poster 74 TKA range of motion	Moderator : Kunio YAMADA
2-PS74-1	The Effect of Posterior Tibial Slope and Postoperative Ra after PS-TKA and CS-TKA Dept. of Orthop. Surg., JCHO Tokuyama Central Hosp.	nge of Motion Kosuke AKASHI, et al536
2-PS74-2	Factors Affecting Extension Loss after Total Knee Arthrowith Severe Flexion Contracture Knee Gunma Chuo Hospital	
2-PS74-3	An analysis of factors to the post operative range of motion after posterior stabilized total knee arthroplasty Dept. of Orthop. Surg., Sanyudo Hosp.	on Junichi OKAMOTO, et al536
2-PS74-4	Do posterior condylar offset influence range of motion in a total knee arthroplasty? Dept. of Orthop. Surg., Itami Hosp.	a mobile-bearing Kosuke SAKATA, et al536
2-PS74-5	How to easily check the flexion angle of the joint-Hand re Toshiba Rinkan Hospital Joint Reconstruction Center	each- Naoto ICHIKAWA, et al537
2-PS74-6	Changes of Spinal Sagittal Alignment After Total Knee Arth Rehabilitation Center, Univ. of Showa, Fujigaoka	hroplasty in Osteoarthritis Natsumi OHASHI, et al537
12:55~1	3:25 Poster 75 TKA complication 1 Moder	rator: Shigenobu FUKUSHIMA
2-PS75-1 - 2-PS75-2	Cancelled A case report of the cyclops lesion after Bicruciate-retain Dept. of Orthop. Surg., Himeji Redcross Hospital	ing TKA Masashi TAMAKI, et al537
2-PS75-3	Total Knee Arthroplasty in Nonagenarians in Our Hospita Dept. of Orthop. Surg., Okayama Red Cross Hosp	
2-PS75-4	A case of TKA for recurvatum knee affected by spine dis Dept. of Orthop. Surg., Kagawa Rosai Hosp.	sease Hiroaki KADOTA, et al538
2-PS75-5	Acute arterial occlusion after total knee arthroplasty: a ca Dept. of Orthop. Surg., Takamatsu Heiwa H	_
2-PS75-6	Double stress fracture of the tibia after total knee arthrop Dept. of Orthop. Surg., Narita Red Cross Hos	_
13:25~1	3:55 Poster 76 TKA complication 2	Moderator : Hideto FUJII
2-PS76-1	A Case of TKA Postoperative Skin Necrosis Cured with Negative Pressure Closure (VAC) Therapy Hosp. of Ishikiriseiki	Kensuke IIMORI, et al539

2-42/6-5	Periprosthetic patella fracture fixation using suture anchors after revision total knee arthroplasty Dept. of Orthop. Surg., JCHO Hoshigaoka Medical Center Yasuo KUNUGIZA, et al539
2-PS76-3	Compression dressing combined with anticoagulants for prevention of deep vein thrombosis after total knee arthroplasty Dept. of Orthop. Surg., Nagaoka Chuo General Hospital Yasuyuki TOMIYAMA, et al539
2-PS76-4	A Case Report of Reconstruction of Patellar Tendon Rupture after Total Knee Arthroplasty with Teros Artificial Ligament Dept. of Orthop. Surg., Yonemori Hosp. Manabu YAMASHITA, et al539
2-PS76-5	MCL reconstruction to lateral dislocation of TKA by a traffic injury :a case report Dept. of Orthop. Surg., Kansai Medical Univ. Medical Center Naotaka YOSHIKAWA, et al540
2-PS76-6	Peroneal Nerve Dysfunction After Total Knee Arthroplasty Dept. of Orthop. Surg., Chubu Rosai Hospital Masaru IDOTA, et al540
12:55 ~ 1	3:25 Poster 77 TKA complication 3 Moderator: Naoya TAKI
2-PS77-1	Pseudogout attack early after total knee arthroplasty:2case reports Shizuoka City Shizuoka Hosp. Kentaro AOKI, et al540
2-PS77-2	2 cases of pseudogout-induced arthritis after bilateral total knee arthroplasty Dept. of Orthop. Surg., Fujita Univ. Sota NAGAI, et al540
2-PS77-3	Clinical results of supracondylar fracture of the femur after total knee arthroplasty Dept. of Orthop. Surg., Fujita Health Univ. Sho NOJIRI, et al541
2-PS77-4	A Case of Using NESPLON Cable for Distal Fracture of Patella during Total Knee Arthroplasty Dept. of Arthroplasty Center, Tondabayashi Hosp. Yoshifumi HANAOKA, et al541
2-PS77-5	Arthroscopic mobilization for an arthrofibrosis after total knee arthroplasty: a case report Dept. of Orthop. Surg. Shimane Univ. Faculty of Medicine Suguru KUWATA, et al541
2-PS77-6	Reconstruction of a ruptured patellar tendon using semitendinosus after total knee arthroplasty: a case report Dept. of Orthop. Surg., Numazu City Hospital Shunsuke MUKOYAMA, et al541
13:25 ~ 1	3:55 Poster 78 TKA complication 4 Moderator: Naoto MITSUGI
2-PS78-1	A Case Report. Bilateral Plate Fixation Using for a Periprosthetic Fracture of the Proximal Tibia after Total Knee Althroplasty Yamanashi Prefectural Central Hosp. Orthop. Nobuki TANAKA, et al542
2-PS78-2	Posterior dislocation of the tibia after total knee arthroplasty: A case report Dept. of Orthop. Surg., JA Onomichi General Hosp. Masaki MATSUURA, et al542

	2-PS78-3	Total knee arthroplasty for osteoarthritis of the knee with congenital patella dislocation ;a report of three cases Dept. of Orthop. Surg., Showa Univ. Fumiyoshi KAWASHIMA, et al542
	2-PS78-4	A case of lateral patellar facet syndrome after total knee arthroplasty Dept. of Orthop. Surg., Tokushima Prefectural Central Hospital Joji IWASE, et al542
	2-PS78-5	Postoperative Complications of Cemented Posterior-stabilized Total Knee Arthroplasty Suwa Red Cross Hosp. Tomoya IWAASA, et al543
,	2-PS78-6	Examination of risk factor reaching the total knee ptosthesis Dept. of Orthop. Surg., Kansai Medical Univ. Tomohiro KAMO, et al543
•	12:55~10	3: 25 Poster 79 TKA infection 1 Moderator: Mikio NAKAJIMA
	2-PS79-1	Investigation of TKA deep infection 3 cases which implants could be preserved by arthroscopic debridement and intra-articular injection of antibiotics Kansai Medical Univ. Dept. of Orthop. Surg. Hiroshi OHNO, et al543
	2-PS79-2	A case of two stage revision in infected TKA after the Alpha-defensin Immunoassay test for Diagnosing periprosthetic Joint Infection Dept. of Orthop. Surg. Sagamihara Kyodo Hosp. Junpei FUJII, et al543
	2-PS79-3	Experiences of Synovasure Test for Suspected Prosthetic Joint Infection after Total Knee Arthroplasty Toho Univ. Ohashi Medical Center Tomoyasu HONMA, et al544
	2-PS79-4	Alpha-defensin Test for Two-stage Revision Surgery for Patient with an Infected Total Knee Arthroplasty Dept. of Orthop. Surg., Kochi Hata prefectural Hosp. Hiroyuki WADA, et al544
	2-PS79-5	The effects of periarticular steroid injection to blood-sugar level in the patients underwent total knee arthroplasty Dept. of. Orthop. Surg., Nihonkai General Hosp. Yoshihiro WANEZAKI, et al544
	2-PS79-6	Clinical study of Total Arthroplasty in Patients with long-term hemodialysis Dept. of Orthop. Surg., Chiba Aoba Municipal Hosp. Hitoshi WATANABE, et al544
	13:25 ~ 13	3:55 Poster 80 TKA infection 2 Moderator: Tadashi KIKUCHI
	2-PS80-1	The Treatment for Acute Infection of Total Knee Arthroplasty with Cement Beads Including Antibiotics; A report of two cases Dept. of Orthop. Surg., Hokuto Hosp. Naoki ISHIDA, et al545
	2-PS80-2	A case report of lower pulse debridement using 1% povidone iodine solution against acute infected TKA for RA Dept. of Orthop. Surg., Yagi Neurosurgical Hospital Shinsuke ISHII545
	2-PS80-3	Intra-articular infusion of antibiotic drug for management of prosthetic joint infection after revision total knee arthroplasty, a case report Dept. of Ortho Surg. Tokyo Womens Medical Univ. Taiki KONDO et al. 545

	using alpha-defensin test Dept. of Orthop. Surg. Dokkyo Medical Univ. Iwao SEKIMOTO, et al545
2-PS80-5	Clinical Result of Treatment of Infected Total Knee Arthroplasty Dept. Orthop. Surg., Sanyudo Hosp. Sadami TOYOSHIMA, et al546
2-PS80-6	Experience of Treatment for Infection after Total Knee Arthroplasty Dept. of Orthop. Surg., Saga Univ. Tohsuke MATSUMURA, et al546
12:55~1	3: 25 Poster 81 TKA Gap 1 Moderator: Hirokazu SHIRAISHI
2-PS81-1	Gap Pattern Analysis in TKA with Digital Knee Balancer Hokkaido Orthopedic Memorial Hospital Koji SUZUKI, et al546
2-PS81-2	Evaluation of soft tissue balance using a pneumatic tensor device in total knee arthroplasty Dept. of Orthop. Surg., Oita Univ. Masashi HIRAKAWA, et al546
2-PS81-3	Modified measured technique in PERSONA total knee arthroplasty considering the gap measurement Dept. of Orthop. Surg., Tonami General Hospital Hiroshi YAMADA, et al547
2-PS81-4	Effects of Posteromedial Vertical Capsulotomy in Posterior-stabilized Total Knee Arthroplasty Dept. of Orthop. Surg, Okayama Univ. Shin MASUDA, et al547
2-PS81-5	Is modified gap technique total knee arthroplasty using bone gap accurate? Dept. of Orthop Surg., Hiroshima Prefectural Hospital Goki KAMEI, et al547
2-PS81-6	Correlation between Bone gap and Implant gap in CR-TKA -study of tibial anterior-posterior movement using knee navigation system-Yoshinogawa Medical Center Orthop. Surg. Akihiro NITTA, et al547
13:25~1	3:50 Poster 82 TKA Gap 2 Moderator: Shinichi KURIYAMA
2-PS82-1	Inter-rater Reliability of Intraoperative Values on Soft Tissue Balance in TKA -Validation of Equipment with Continuous Determination of Distraction Force- Dept. Orthop. Surg. Osaka Medical College Hitoshi WAKAMA, et al548
2-PS82-2	A difference between the gap decided by surgeon and that measured by tensor device in the precut method of TKA Joint Reconstruction Center, Katsuragi Hosp. Shuhei ODA, et al548
2-PS82-3	Evaluation of the component gap during total knee arthoroplasty using the Single radius femoral component by digital balancer Dept. of Orthop. Surg., Showa Univ. Fujigaoka Hosp. Hiroshi TAKAGI, et al548
2-PS82-4	Effect of tibial rotation alignment on postoperative ROM using ATTUNE mobile bearing Dept. of. Orthop. Surg., Graduate School of Medical Sciences, Okayama Univ. Yoshiki OKAZAKI, et al548

Two cases report-Arthroplasty to arthrosis after septic arthritis

2-PS80-4

2-PS82-5	Does the gap derived from precut method change throughout the total knee arthroplasty? Joint Reconstruction Center, Katsuragi Hosp. Mikio NAKAJIMA, et al549
12:55~1	13:25 Poster 83 TKA kinematics 1 Moderator: Toru YOSHIOKA
2-PS83-1	Postoperative motion analysis in the failure case of bicruciate retaining TKA Shimura Hosp. Orthop. Tomohiro KOBAYASHI, et al549
2-PS83-2	Intraoperative Kinematics and Patient-reported Outcome in Bi-cruciate Stabilized TKA Kobe Kaisei Hosp. Orthop. Surg. Shinsuke KIRIZUKI, et al549
2-PS83-3	The Gait Analysis of the patients after Rotating Hinge Knee TKA Athletic Rehabilitation Section Sports Medicine Clinical Center Tokyo Medical and Dental Univ. Takehiro OMI, et al549
2-PS83-4	Gait Characteristics after Total Knee Arhroplasty due to Component Type Sports Medical Center., Hiroshima Univ. Hosp. Masashi SHIMADA, et al550
2-PS83-5	Three-Dimensional Analysis of squat motion in the patients after Bi-Cruciate Retaining TKA Tokyo Metropolitan Rehabilitation Hospital Ryota SHIMAMURA, et al550
2-PS83-6	Relationship Between Uncomfortable Feeling and Knee Joint Kinematics During Stair Ascending After Aotal Knee Arthroplasty Dept. of Clin. Pract. and Supt., Hiroshima Univ. Hosp. Noboru SHIMADA, et al550
=	
13:25~1	3:55 Poster 84 TKA kinematics 2 Moderator: Takeo NAGURA
13:25~1 2-PS84-1	Influence of Anterior Cruciate Ligament Deficiency in Gait after Total Knee Arthroplasty
	Influence of Anterior Cruciate Ligament Deficiency in Gait after
	Influence of Anterior Cruciate Ligament Deficiency in Gait after Total Knee Arthroplasty Dept. Rehab., Hakodate Orthop. Clinic Kota MIURA, et al550 The change of standing posture and gait motion of the patients with bilateral total knee arthroplasty (longitudinal analysis) Medical Corporation Jinseikai Kiminomori Rehabilitation Hospital Tsuneo KAWAHARA, et al551 In Vivo Kinematic Analysis during Stair Ascent in Medial Pivot Design Total Knee Arthroplasty
2-PS84-1 2-PS84-2	Influence of Anterior Cruciate Ligament Deficiency in Gait after Total Knee Arthroplasty Dept. Rehab., Hakodate Orthop. Clinic Kota MIURA, et al550 The change of standing posture and gait motion of the patients with bilateral total knee arthroplasty (longitudinal analysis) Medical Corporation Jinseikai Kiminomori Rehabilitation Hospital Tsuneo KAWAHARA, et al551 In Vivo Kinematic Analysis during Stair Ascent in Medial Pivot Design
2-PS84-2 2-PS84-3	Influence of Anterior Cruciate Ligament Deficiency in Gait after Total Knee Arthroplasty Dept. Rehab., Hakodate Orthop. Clinic Kota MIURA, et al550 The change of standing posture and gait motion of the patients with bilateral total knee arthroplasty (longitudinal analysis) Medical Corporation Jinseikai Kiminomori Rehabilitation Hospital Tsuneo KAWAHARA, et al551 In Vivo Kinematic Analysis during Stair Ascent in Medial Pivot Design Total Knee Arthroplasty Dept. of Orthop. Surg., Toyama Univ. Hayato MINE, et al551 In vivo Kinematics during Stair Ascending and Descending in Bi-cruciate Stabilized vs Posterior cruciate Stabilized Total Knee Arthroplasty

12:55~1	3:25 Poster 85 Management of pain and bleeding in TKA 1 Moderator: Tadashi TSUKEOKA
2-PS85-1	Efficacy of the strategy to reduce blood loss for knee arthroplasty in our hospital Dept. of Orthop. Surg., Keio Univ. School of Medicine Shu KOBAYASHI, et al552
2-PS85-2	The optimal tourniquet cuff pressure in total knee arthroplasty Dept. of Joint Reconstruction Center, Naniwa Ikuno Hospital Kenka RA, et al552
2-PS85-3	Study of the Effect of Floseal Use in TKA Fujisawa Shonandai Hosp. Keishin UENO, et al552
2-PS85-4	Efficacy of Periarticular Injection of Epinephrine and Intra-articular Injection of Tranexamic Acid to Reduce Blood Loss in Total Knee Arthroplasty Dept. of Orthop. Surg. Sanin Rosai Hosp. Takeo OTSUKI, et al
2-PS85-5	Intra-Articular Tranexamic Acid in Total Knee Arthroplasty Dept. of Orthop. Surg., Sanyudo Hospital Shuji TOYONO, et al553
2-PS85-6	Effectiveness of post operative continuous drainage in total blood loss and hidden blood loss after TKA
	Ise Redcross Hospital Joji MORIKAWA, et al553
13:25~1	3:55 Poster 86 Management of pain and bleeding in TKA 2 Moderator: Shunji NAKANO
2-PS86-1	Duloxetine Administration for Persistent Post-surgical Pain after Total Knee Arthroplasty Dept. of Orthop. Surg., Mie Univ. Graduate School of Med. Masahiro HASEGAWA, et al553
2-PS86-2	Post-operative Pain VAS Score Change in TKA and UKA with Use of Duloxetine Dept. of Orthop. Surg., Sagamihara Hosp., National Hosp. Organization Satoru OHASHI, et al554
2-PS86-3	Efficacy of Intravenous Acetaminophen Injection for Pain Management after Total Knee Arthroplasty Funabashi Orthop. Hosp. Ryutaku KANEYAMA, et al554
2-PS86-4	Clinical study of adductor canal block and femoral nerve block for pain management in simultaneous bilateral total knee arthroplasty Dept. of Orthop. Surg., Yamagata Saisei Hosp. Takao YAMAMOTO, et al
2-PS86-5	Effect of Periarticular Injection Cocktail containing steroid in Total Knee Arthroplasty Dept. of Orthop. Surg., Mishuku Hospital Hidetoshi WAKEYAMA554
2-PS86-6	Does the pain control protocol of TKA in early post operative stage effect the frequency of chronic postsurgical pain? Dept. of Orthop. Surg., Kiba Hosp. Takashi AZUMA, et al555

12:55~1	3:25 Poster 87 Management of pain and bleeding in TKA 3
	Moderator: Hidemi KAWAJI
2-PS87-1	Usefulness of Preoperative Administration of Tramadol-Acetaminophen in Polyhedral Methods for the Management of Postoperative Pain after TKA Dept. of Orthop., Ichihara Hospital Tomonori KINUGASA, et al555
2-PS87-2	The Efficacy of Pre-emptive analgesia after Total Knee Arthroplasty Dept. of Orthop. Surg., Osaka National Hosp. Kunihiko KAWASHIMA, et al555
2-PS87-3	The efficacy of steroid injection in total knee arthroplaty Chugoku Rosai Hosp. Orthop. Surg. Saori KAWAGUCHI, et al555
2-PS87-4	Multimodal Pain Management in Total Knee Arthroplasty Dept. of Orthop. Surg., Toyama Univ. Shun SUZAWA, et al556
2-PS87-5	Effects of kidney dysfunction in patients following total knee arthroplasty Dept. of Orthop. Surg., Univ. of Tokyo Kohei KAWAGUCHI, et al556
2-PS87-6	Articular suture of Total knee arthroplasty with barbed suture -How knee wound elongates?-
	Saitama Cooperative Hospital Ayano KUWASAWA, et al556
13:25~1	3:55 Poster 88 Management of pain and bleeding in TKA 4 Moderator: Takao ISHII
2-PS88-1	The effect of intra articular Tranexamic acid injection without use of the suction drain in the total knee arthroplasty Dept. of Orthop. Surg., Nagoya City Univ. Makoto KOBAYASHI, et al556
2-PS88-2	Usefulness of combination tranexamic acid treatment in cementless total knee arthroplasty Dept. of Orthop. Surg., Yamanashi Univ. Naoto FURUYA, et al557
2-PS88-3	Management of operative blood loss in total knee arthroplasty -Comparison between tranexamic acid intra-articular injection and surgical blood salvage- Hokkaido Orthopaedic Memorial Hosp. Susumu MIKAMI, et al557
2-PS88-4	The Efficacy of a Thrombin-Based Hemostatic Agent in Total Knee Arthroplasty Dept. of Orthop. Surg., University of Oita Yu NAGASHIMA, et al557
2-PS88-5	Optimal drain-clamping time after intra-articular tranexamic acid injection during total knee arthroplasty to reduce postoperative blood loss Dept. of Orthop. Surg. Okayama Univ. Graduate School Yusuke KAMATSUKI, et al557
2-PS88-6	Comparison of the amount of bleeding with the drain clamp method and the tranexamic acid intraarticular administration in TKA Iwate Prefectural Iwai Hosp. Kazuhiro OGAWA, et al558

12:55~1	3:20 Poster 89 UKA 1 Moderator: Yasumitsu OHKOSHI
2-PS89-1	Long-term Results of 2 Patients who underwent Bicompartmental Unilateral Knee Arthroplasty for Rheumatoid Arthritis Dept. of Orthop. Surg., Sagamihara National Hosp. Kota SHIMOMURA, et al558
2-PS89-2	Short-term Results of Cementless UKA for Spontaneous Osteonecrosis of the Knee Dept. of Orthop. Surg., Nishinomiya Watanabe Hospital Kenji FUKUNAGA, et al558
2-PS89-3	Long-term Results of MIS-UKA Dept. of Orthop. Yoshinogawa Medical Center Michihiro TAKAI, et al558
2-PS89-4	Short-term results of the Oxford unicompartmental knee arthroplasty for ACL deficient osteoarthritic knees Dept. of Orthop. Surg. Joint Surg. Center, Takatsuki General Hospital Kenichi KIKUCHI, et al559
2-PS89-5	Comparison of preoperative MRI findings of patients under unicompartmental knee arthroplasty surgery and total knee arthroplasty Dept. of Med. for Orthop. and Moter Organ, Juntendo Univ. Graduate Sch. of Med. Haruka KANEKO, et al559
13:20~1	3:45 Poster 90 UKA 2 Moderator: Takashi MIYAMOTO
2-PS90-1	Evaluation of Tibial Component Position after Conventional and Computer-assisted Unilateral Knee Arthroplasty Dept. of Orthop. Surg., Kawamura Orthop. Clinic Daisuke KAWAMURA, et al559
2-PS90-2	Evaluation of the mechanical axis on tibial articular surface in UKA using 3DCT Dept. Orthop. Surg., Hiroshima City Asa Citizens Hospital Makoto NISHIMORI, et al559
2-PS90-3	Femoral Compornent of Triathlon PKR Is Placed at the Flexed Position for the Case of Flexion Contracture Knee Dept. of Orthop. Surg., Japanese Red Cross Kyoto Daiichi Hospital Atsuo INOUE, et al
2-PS90-4	The effect of tibial component rotation on clinical outcome two-year after Oxford mobile bearing UKA in anteromedial osteoarthritic knee Dept. of Orthop. Surg. and Joint Surg. Center, Takatsuki General Hospital Tomoyuki KAMENAGA, et al560
2-PS90-5	Cementless More Sensitive to Errors Than Cemented Tibial Component in Oxford UKA -Valgus Subsidence Will Happen Dept. of Orthop. Surg., JCHO Yugawara Hospital Kazuhiko MICHISHITA, et al560
12:55~1	3:25 Poster 91 UKA 3 Moderator: Hirofumi HANADA
2-PS91-1	Unicompartmental knee arthroplasty with medial collateral ligament release to correct varus deformity
2-PS91-2	Fukuoka Orthopaedic Hosp. Eiji YOSHIMOTO, et al560 Three cases of re-operation after Oxford UKA Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp. Takeshi HORII, et al561

9

2-PS91-3 Midterm results of unicompartmental knee arthroplasty for spontaneous osteonecrosis of the knee Dept. of Orthop. Surg., Saiseikai Senri Hosp. Yoshinori YASUHARA, et al......561 2-PS91-4 Long-term results of Unicompartmental Knee Arthroplasty (UKA) Joint Reconstruction Center, Toshiba Rinkan Hosp. Takashi YAGI......561 2-PS91-5 Two Cases of Reoperation after Oxford UKA by Cement Free Body Dept. of Orthop. Surg., Shiga Medical Center for Adults Seiji KAWAGUCHI, et al......561 2-PS91-6 Comparison between Spontaneous Osteonecrosis and Osteoarthritis of the Knee in the Female Patients Treated by Unicompartmental Knee Arthroplasty Dept. of Orthop. Surg., Saiseikai Niigata Daini Hosp. Hiroshi YAMAGIWA, et al......562 13:25 ~ 13:50 Poster 92 UKA 4 Moderator: Eiji YOSHIMOTO 2-PS92-1 In vivo three dimensional kinematics of unicompartmental knee arthroplasty during weight-bearing and non-weight-bearing deep knee-bending activities Dept. of Orthop, Surg., Graduate Kenichi KONO, et al......562 School of Medicine, The Univ. of Tokyo 2-PS92-2 The motion analysis of the mobile bearing in Oxford Partial Knee Nakanoshima Iwaki Hosp. Atsutoshi MAKI, et al......562 2-PS92-3 Study of alignment correction angles after mobile bearing UKA Okayama Red Cross Hosp. Toru TAKAGI, et al......562 2-PS92-4 Accuracy of intraoperative evaluation with tibial posterior slope in unicompartmental Knee arthroplasty Dept. of Orthop. Surg., Kobe Kaisei Hosp. Kazunari ISHIDA, et al......563 2-PS92-5 Gender difference of the distance between the tibial implant of the mobile UKA and the posterior cortex of the tibia Dept. Artificial Joint and Regenative Medicine for Bone and Cartilage, Nara Medical Univ. Yusuke INAGAKI, et al......563 12:55 ~ 13:25 Poster 93 Reverse total shoulder replacement 1 Moderator: Teruaki IZAKI 2-PS93-1 Effectiveness of CT for the detection around Glenoid implant after reverse shoulder arthroplasty Dept. of Orthop. Surg., Asahikawa Medical Univ. Naoki MIYOSHI, et al......563 2-PS93-2 Bulk Bone Graft between the Glenoid and Baseplate during Reverse Shoulder Total Arthroplasty Dept. of Orthop. Surg., Kibi-kogen Rehabilitation Center Yukio SHIGEYAMA, et al.......563 2-PS93-3 CT evaluation of postoperative baseplate and screw positioning in the cases of reverse shoulder arthroplasty Dept. of Orthop. Surg., Osaka City Yoshihiro HIRAKAWA, et al......564 Univ. Graduate School of Medicine

2-PS93-4	Intraoperative measurement of contact pressure in reverse shoulder arthroplasty Osaka Shoulder Center, Ito Clinic Yoichi ITO, et al564	
2-PS93-5	Translation of the humeral head scale as a prognostic factor for the treatment of large and massive rotator cuff tears Dept. of Orthop. Surg., Univ. of Miyazaki Noboru TANIGUCHI, et al564	
2-PS93-6	Outcomes of Wedge Bone Graft for Inferior Tilting of a Base Plate to Reverse Shoulder Arthroplasty Dept. of Orthop. Surg., Nippon Medical School Chiba Hokusoh Hosp. Kentaro SONOKI, et al564	
13:25~1	3:55 Poster 94 Reverse total shoulder replacement 2 Moderator: Yoichi ITO	
2-PS94-1	Short term-results of reverese total shoulder arthroplasty Dept. of Rehabilitation, Mie Univ. Hospital Yuko YADA, et al565	
2-PS94-2	Reverse Total Shoulder Arthroplasty -Short Term Result in our Facility Kugawa Hospital for Orthopaedic Surgery Kohei ANDO, et al565	
2-PS94-3	Surgical treatment of massive rotator cuff tears -Comparison of RSA, debridement and partial repair- Dept. of Orthop. Surg., Fukuoka Univ. Faculty of Medicine Teruaki IZAKI, et al565 -	
2-PS94-4	Clinical outcome of Bony increased offset reverse shoulder Shoulder Medical Center, North Alps Medical Center Azumi Hosp. Norio ISHIGAKI, et al565	
2-PS94-5	Short-term results of reverse total shoulder arthroplasty in patients older than 90 years Dept. of Orthop. Surg., Fukuoka Univ. Faculty of Medicine Terufumi SHIBATA, et al566	
2-PS94-6	The Clinical Results of RSA Conversion for Failed Hemiarthroplasty Dept. of Orthop. Surg., Iwakikyoritsu General Hosp. Toshitake AIZAWA, et al566	
12:55 ~ 13:25 Poster 95 Reverse total shoulder replacement 3 Moderator: Tsutomu TAKIZAWA		
2-PS95-1	The Use of HAL- SJ for Brachial Plexus Palsy after Reverse Total Shoulder Arthroplasty: A Case Report Department of Rehabilitation Medicine Fukuoka Univ. Hosp. Wataru KUROSAKA, et al566	
2-PS95-2	Postoperative Instability after RSA: A Case Report Dept. of Orthop. Surg., KKR Hokuriku Hospital Takashi KOBAYASHI, et al566	
2-PS95-3	Intraoperative CT navigation for glenoid component implantation in reverse shoulder arthroplasty with bone grafting Dept. of Orthop. Surg., Osaka City Univ. Koichi ICHIKAWA, et al567	
2-PS95-4	A case report of reverse total arthroplasty for retear case after arthroscopic rotator cuff repair Dept. of Orthop. Surg., Univ. of Hiroshima Hiroshi NEGI, et al567	

2-PS95-5	Reverse total shoulder arthroplasty in massive rotator cuff tear with depression of the humeral head			
ı	Dept. of Orthop. Surg., National Hospital Organization Saitama National Hosp. Atsushi YOSHIDA, et al567			
2-PS95-6	Reverse shoulder arthroplasty for proximal humeral fractures and shoulder fracture-dislocations Dept. of Orthop. Surg., Nippon Med., Univ., Chiba Hokusoh Atsushi HIRABAYASHI, et al567			
13:25~1	3:55 Poster 96 Reverse total shoulder replacement 4 Moderator: Keiichiro NISHIDA			
2-PS96-1	Humeral bone resorption after reverse shoulder arthroplasty Dept. of Orthop. Nara Medical Univ. Kazuya INOUE, et al568			
2-PS96-2	Characteristics and change of scapulo-humeral rhythm after reverse total shoulder arthroplasty Dept. of Rehabilitation Medicine, Shiga Univ. of Medical Science Ryo NAKAJIMA, et al568			
2-PS96-3	Influence of Hemodynamics on Reverse Shoulder Arthroplasty Dept. of Orthop. Surg., Kanazawa Med. Univ. Shusuke UEDA, et al568			
2-PS96-4	Temporary clamping of drain combined with tranexamic acid reduce blood loss after reverse shoulder arthroplasty Dept. of Orthop. Surg., NHO Kochi National Hosp. Shoji FUKUTA, et al568			
2-PS96-5	Comparison between preoperative and postoperative evaluation of deltoid muscle volume with MR images in reverse shoulder arthroplasty Osaka Shoulder Center, Ito Clinic Yoichi ITO, et al569			
2-PS96-6	Clinical result of reverse shoulder arthroplasty -comparision between Shoulder36 and JOA score- Dept. of Orthop. Surg., Osaka City Univ. Graduate School of Medicine Yoshihiro HIRAKAWA, et al569			
12:55~1	12:55 ~ 13:20 Poster 97 Joint replacement for upper extrimity 1 Moderator: Hiroshi NAKAMURA			
2-PS97-1	Glenoid wear at humeral head replacement using smaller humeral prostheses for cuff tear arthropathy Dept. of Orthop. Surg., Kaisei Hospital Isoya GOYA, et al569			
2-PS97-2	Eight years outcome of hemiarthroplasty and rotator cuff reconstruction in patients aged seventy years or older with cuff tear arthropathy The Upper Extremity Center of Joint Replacement and Endoscopic Surgery, Hokushin Higashi Hospital Chika YOSHIOKA, et al569			

2-PS97-3	Postoperative Outcomes of Total Shoulder Arthroplasty for Osteoarthritis of the Shoulder			
	Dept. of Orthop. Surg., Graduate Sch of Biomedical Sciennces, Hiroshima U			
2-PS97-4	Results of humeral head replacement for massive rotator cuff tear Dept. of Orthop. Surg., Kugawa Hosp. for Orthop. Surgery Akinari TOKIYOSHI, et al570			
2-PS97-5	Fifteen years follow-up of revision humeral hemiarthre with allograft impaction bone grafting -a case report— Dept. of Orthop. Surg., Yoshioka Ho			
13: 20 ~ 13: 45 Poster 98 Joint replacement for upper extrimity 2 Moderator: Hiroshi YAMAGUCHI				
2-PS98-1	Long-term Radiographic Changes of Non-cement Ster Upper Extremity Center of Joint Replacement and Endoscopic Surge Orthopaedic Hokushin Hospital			
2-PS98-2	Long term outcomes after anatomical total shoulder arthroplasty Dept. of Orthop. Surg., Hokkaido Univ. Yuki MATSUI, et al571			
2-PS98-3	Clinical results of rotator cuff reconstruction and HHR using smaller humeral prostheses under 70 years old with CTA-minimum 8 years Dept. of Orthop. Surg., Asahikawa Medical Univ. Naoki MIYOSHI, et al571			
2-PS98-4	Outcome of revision total elbow arthroplasty The Upper Extremity Center of Joint Replacement and Endoscopic Surgery, Hokushin Higashi Hospital	Chika YOSHIOKA, et al571		
2-PS98-5	Mid- to Long-term Outcomes of Total Elbow Arthrop Ulnar Approach	lasty Using Triceps Sparing		
	Upper Extremity Center of Joint Replacement and Endoscopic Surge Orthopaedic Hokushin Hospital	ery, Naomi OIZUMI, et al571		
12:55 ~ 13	3: 20 Poster 99 Arthroplasty for tumor	Moderator : Toshifumi OZAKI		
2-PS99-1	A case of method of reconstructing in THR by returni to the chondrosarcoma Akita Univ. Graduate School of			
	Medicine Dept. of Orthop. Surg.	Itsuki NAGAHATA, et al572		
2-PS99-2	Medicine Dept. of Orthop. Surg. Distal femoral fractures treated by hinged total knee r Dept. of Orthop. Surg., Tetsusei	replacement in elderly patients		

2-PS99-4	Severe femur and acetabular bone defect after THA which	perform salvage
	by implant for megaprosthesis and reinforcement materials Zenshukai Hospital	Takahisa SATO, et al572
2-PS99-5	Over 10 years follow-up results of tumor endoprosthetic repafter tumor resection	placement
	Dept. of Orthop. Surg., Okayama Univ.	Suguru YOKOO, et al573
12:55 ~ 13	3: 25 Poster 100 DVT after surgery	Moderator : Yasuyuki ABE
2-PS100-1	Study of Appearance and Frequency of Deep Venous Thronafter Total Hip Arthroplasty	
2-PS100-2	Dept. of Orthop. Surg., Juntendo Univ. Consideration about prevention of deep vein thrombosis in preoperative rehabilitation in femoral neck fracture Dept. of Orthop. surg., Aizawa Hosp. Shinst	Koji NAMIKI, et al573 uke KOBAYASHI, et al573
2-PS100-3	Deep venous thronbosis of supracondylar fractures of the fe after total knee arthroplasty Dept. of Orthop. Surg., Kochi Pref. Hata Hosp. Kyui	emur chi HASHIMOTO, et al573
2-PS100-4	The incidence of DVT and PE after Total Knee arthroplasty Dept. of Orthop. Surg., Showa Univ. Taka	y in our institution aki KANAZAWA, et al574
2-PS100-5	Relationship between Soluble Fibrin and Deep Venous Thromb Dept. of Orthop. Surg. Nihon Univ. School of Medicine	oosis in Knee Arthroplasty Ryo NABEOKA, et al574
2-PS100-6	A case with an elevated APPT 2 times the control value by on Dept. of Orthop. Surg., Tokyo Women's Medical Univ.	_
13:25 ~ 13	3:55 Poster 101 Basic 1 Mo	oderator : Kiyoshi MABUCHI
2-PS101-1	Is Inter-observer Reliability of Dorr Classification High? Kenpoku Medical Center Takahagi Kyodo Hospital Ryunosu	uke WATANABE, et al574
2-PS101-2	The Rotation Stability of Dorr Classification from the Viewp Dept. of Orthop. Medical Engineering, Osaka Univ. Graduate School of Medicine	ooint of Cortical Index Ryota NAKAYA, et al575
2-PS101-3	Primary Stability Evaluation by Different Designs of Cemen Faculty of Medical Engineering and Technology, School of Allied Health Sciences, Kitasato Univ. Ka	tless Shell azuhiro YOSHIDA, et al575
2-PS101-4	The fifference of tibao-femoral rotation and patellar tilt anglamong healthy japanese subjects and dysplasia of the hip in Div. of Orthop. Surg., Niigata Univ. Graduate School of Medicine and Dental Sciences	
2-PS101-5	Differences in the lower extremity alignment and prevalenc OA secondary to DDH and primary OA Dept. of Orthop. Med. Engineering, Osaka Univ. Graduate School of Medicine	

2-PS101-6 Supra-inferior width of the pelvis is closely correlated with body height and femoral length

Div. of Comprehensive Geriatrics in Community, Niigata Univ. Norio IMAI, et al.......576

12:55 ~ 13:25 Poster 102 Basic 2

- 2-PS102-1 Comparison between non-weight bearing and weight bearing in the radiographic technique after total knee arthroplasty
 - Emoto Knee and Sport Clinic Hirokazu TAMANOI, et al.......576

Moderator: Naohide TOMITA

Moderator: Takashi TERASHIMA

2-PS102-2 The relationship between toe grip strength, quadriceps strength and locomotion ability in pre- and post- operative total knee arthroplasty

Dept. of Rehabil. Kashiba Asahigaoka Hosp. Takanari BANDO, et al.......576

2-PS102-3 Mechanical Stability Assessment of 3D Porous Cup

Dept. of Orthop. Surg., Osaka

Univ. Graduate School of Medicine Takashi SAKAI, et al.......576

2-PS102-4 After implantation 20 days, bone contact at the hydroxyapatite coated area of SL-plus MIA was evident: A case report

Dept. of Orthop. Surg., Tokyo Women's Medical Univ. Yujirou KURAMITSU, et al.......577

- 2-PS102-5 Study of antibacterial activity and cytotoxicity of antimicrobial coating used F-DLC Dept. of Orthop. Surg., Kanazawa Medical Univ. Katsutaka YONEZAWA, et al........577
- **2-PS102-6** Bioactive titania cements improve osteoconductivitiy in synovial environment in rabbit knee joints

Dept. of Orthop. Surg., Kyoto Univ. Tomotoshi KAWATA, et al.......577

$13:25 \sim 13:55$ Poster 103 TKA UKA etc.

2-PS103-1 A case report of TKA for Charcot joint in patient with Dialysis induced by Diabetic nephropathy

Dept. of Orthop. Surg., Ise Red Cross Hosp. Kazuto NISHIMOTO, et al.......577

- 2-PS103-2 Total Knee arthoplasty for bilateral osteoarthritis with congenital dislocation of patella

 Dept. of Orthop. Surg., National Hosp.

 Organization Uresino Med. Center

 Masakazu MURATA, et al.......578
- 2-PS103-3 Improvement of physical activity by self monitoring after knee joint replacement: Pilot study

Sonodakai Joint Replacement Center Hospital Rie OSHIMA, et al.........578

2-PS103-4 Five revision cases after unicompartmental knee arthroplasty

Dept. of Orthop. Surg., Yoshida General Hosp. Tomohiro KATO, et al........578

- 2-PS103-5 Three case reports of revision TKA for sinking of tibial component after UKA

 Dept. of Orthop. Surg., Asahikawa Medical Univ. Yusuke SASAKI, et al.........578
- 2-PS103-6 A case of patellofemoral femoral joint replacement and medial patellar femoral ligament reconstruction for patellofemoral involvement with repetitive patellar dislocation

 Dept. of Orthop. Surg., Nippon Medical School Yuki AKASHI, et al..........579

12:55~13	3: 25 Poster 104	TKA etc.	Moderator: Ichiroh TATSUMI
2-PS104-1	The Effect of Intra	n-articular injection of Tranexa Matsudo Cit	mic Acid in Total Knee Arthroplasty y Hosp. Yukari IMAMURA, et al579
2-PS104-2	Elastic stocking af	ter total knee arhroplasty Opt Dept. of Nursing, Fukui (
2-PS104-3	Evaluation of Prox Computed Tomog		Teriparatide Administration by niv. Takafumi SHIMAZAKI, et al579
2-PS104-4	Minocycline-induc	ced Black Bone Disease of the Center of Artifitial Joint, Fukuoka	Knee
2-PS104-5	-Comparison of IM	rioperative D-dimer dependin If rod and patient matched ins If Orthop. Surg., Osaka Medical Col	
2-PS104-6	Relation between using stress X-ray	distance of joint space and thic y before TKA Dept. of Orthop. Surg., K	
13:25~13	3:50 Poster 105	Arthroplasty, Others 1	Moderator : Kenichiro TAKASHIBA
2-PS105-1	Experience of using	ng DERMABOND PRINEO for Dept. of Orthop. Surg., Shinsl	-
2-PS105-2	-	on service for patients with join yukai General Hospital Dept. Phar	-
2-PS105-3		rips to patients with joint arthropher Dept. of Reha., Anshin Clinic Sum	roplasty on social activities iyoshi Satoshi NAKAKITA, et al581
2-PS105-4	To	colonged hospitalization among okyo Metropolitan Cancer and Infe seases Center Komagome Hospital	ectious
2-PS105-5	hip joint and knee	I and 30-day continued hospita joint okyo Metropolitan Cancer and Infe seases Center Komagome Hospital	ectious
12:55~13	3:20 Poster 106	Arthroplasty, Others 2	Moderator : Eiji KONDO
2-PS106-1	in patients with rh	e of artificial joints in the lower neumatoid arthritis? thop. Surg., Kyoto Univ. Graduate	extremities affect walking ability School of Med. Hiromu ITO, et al582
2-PS106-2		hich affects the length-of-stay ic joint infection judging from Dept. of Orthop. Surg., Univ. Occupational and Environme	DPC data of

	FAW Compare to Conductive Fabric Warming Device Dept. of Anesthesiology, Akebonokai Shimura Hosp.	Takehiro NISHIDA, et al582
2-PS106-4	Outline for the Japanese database of SSI following arthrough and spinal instrumentation Dept. of Orthop. Surg., Tokyo Med Univ.	pplasty Γoshiyuki TATEIWA, et al582
2-PS106-5	Difference between TKA and THA patients characterist of integrated healthy aging clinic Dept. of Orthop. Surg., National Center of Geriatrics and Gerontology Ts	cics based on the results suyoshi WATANABE, et al583
13:20~13	3:50 Poster 107 Arthroplasty, Others 3	Moderator : Ryosei KATSURAGI
2-PS107-1	Long-term clinical results of Kudo total elbow arthroplas Shimura Hospital	sty with allo bone graft Hideaki MURATA, et al583
2-PS107-2	A case report of ankle arthrodesis after total arthrodesis arthrodesis arthrodesis arthrodesis a	
2-PS107-3	Results of Arthroplasty Against Hemophilic Arthropathy Dept. of Orthop. Surg., Center Hosp. of the National Center for Global Health and Medicine Yo	zo KATSURAGAWA, et al583
2-PS107-4	A Systemic Review of Anatomic Variations of Lower Ex Center of Artificial Joint and Rheumatism, Fukuoka Tokushukai Medical Center	tremities Ryuji NAGAMINE, et al584
2-PS107-5	Primary and Revision Total Knee Arthroplasty with born Dept. of Orthop. Surg., Kitasato	_
2-PS107-6	Evaluation of Osteoporosis befor Total Knee Arthroplasty a Dept. of Orthop. Surg., Kawamura Orthop. Clinic D	nd Partial Knee Arthroplasty aisuke KAWAMURA, et al584

2-PS106-3 Does Forced Air Warming Device Contaminate the Sterile Operating Field?