

Saturday, February 18, Room 1

8:00~9:00 Educational Lecture 13 (Introduction for Combined Symposium -2)  
**Material and Design Selection of Articulating Surface in THA**  
 Moderator: Kengo YAMAMOTO

2-1-EL13-1 History of Hip Prosthesis Development Leading to Better Performance;  
 Technologies and Techniques that have Improved Performance  
 Dept. of Orthop. Surg. Nissan Tamagawa Hosp. Masaaki MATSUBARA..... 324

2-1-EL13-2 History of R&D in Total Knee Arthroplasty: Technology and technique for  
 performance improvement  
 Dept. of Orthop. Surg., Kindai Univ. Masao AKAGI..... 324

9:15~11:00 Combined Symposium 2  
**Current Performance and Problems in TJA**  
 Moderators: Masaaki MATSUBARA, Masao AKAGI

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 Dept. of Musculoskeletal Biomechanics and Surg. Development Sapporo Medical Univ.  
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2-1-CSY2-3 Performance Limitations and Future Challenges after Total Hip Arthroplasty  
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2-1-CSY2-4 TKA Performance: Is your challenge really necessary?  
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2-1-CSY2-6 Up to date of total ankle arthroplasty - Possibility of Combined TAA-  
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 Okayama University  
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**CPAK / Functional Positioning -Future outlook for TKA-**  
 Moderator: Shuichi MATSUDA

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 Dept. of Orthop. Surg., Teikyo Univ. Takumi NAKAGAWA..... 588

2-1-LS12-02 Robotic arm assisted surgery and functional alignment in TKA  
 Orthop. Dept., St. John of God Subiaco Private Hosp., Perth, Australia Gavin W CLARK..... 588

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2-1-EL14-2	A classification of cemented stems - advantages and disadvantages by stem type - Dept. of Orthop. Surg., Kanazawa Medical Univ. Ayumi KANEUJI..... 330	
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Moderators: Katsuya NAKATA, Ayumi KANEUJI		
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2-1-HPD1-2	Strategies and limitations of the Tapered wedge stem group for standard cases Dept. of Orthop. Surg., Kawasaki Medical School Toyohiro KAWAMOTO, et al..... 529	Room 3
2-1-HPD1-3	My Strategy for Zweymueller Stem for Standard Cases - Problems and how to deal with them - Institute of Joint Replacement and Rheumatology Zama General Hosp. Saiji KONDO ..... 530	Room 4
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Moderators: Ken OKAZAKI, Takashi SATO

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-Groove matching improve congruency of PF joint-  
Dept. of Orthop. Surg., Hiroshima City Hiroshima Citizens Hosp. Yoshinori SODA, et al..... 539

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Dept. of Orthop. Surg., Toho Univ. Sakura Med. Ctr. Arata NAKAJIMA, et al..... 540

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Moderator: Yasuo NIKI

2-2-LS13-01 ERAS for THA & TKA  
Omuro Orthop. Spine & Joint Clinic Norikazu YOKOYAMA..... 589

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Det. of Orthop. Surg., Hokuikikai Kinen Hosp. Sachi-yuki TSUKADA..... 589  
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Moderator: Mitsuru SAITO

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Moderators: Shigenobu FUKUSHIMA, Tasuku MASHIBA		
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**8:00~9:00 Educational Lecture 17 (Introduction for Hip Symposium -2)  
Treatment Strategies for Periprosthetic Hip Fractures**  
Moderator: Etsuo CHOSA

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Fukushima Medical Univ. Dept. Traumatol. Takeshi SAWAGUCHI..... 326
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Moderators: Takeshi SAWAGUCHI, Kenichi OE

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Naka Orthop. Clinic Tatsuya TAMAKI..... 509
- 2-3-HSY2-4 Prevention of periprosthetic femur fractures - Preoperative evaluation of bone fragility as a criterion for osteoporosis medications -  
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Artificial Joint Integrated Center; AJIC, Ehime Univ. Kazunori HINO..... 590  
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<b>13:15~14:15</b>		<b>Educational Lecture 18 (Introduction for Hip Panel Discussion -2) Basic and Advanced Technique for THA</b>		Moderator: Haruhiko AKIYAMA	Day 1 Feb. 17 (Fri.)
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2-3-EL18-2	Current Status and Future Perspectives of Computer Technologies in Hip Joint Surgery	Dept. of Bone and Joint Surg., Ehime Univ.	Masaki TAKAO, et al .....	331	Room 1
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2-3-HPD2-1	What is the important point for prevention of postoperative dislocation in conventional posterior approach THA ?	Dept. of Orthop. Surg., The Jikei Univ. DAISAN Hosp.	Yasuhiko KAWAGUCHI, et al .....	532	Room 3
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8:00~9:00 Educational Lecture 19 (Introduction for Shoulder Panel Discussion)  
Moderator: Noboru TANIGUCHI

2-4-EL19 Indication and Preoperative Planning of HHR and RSA for Proximal Humerus Fractures  
Yonekura Spine & Joint Hosp. Hiroshi HASHIGUCHI..... 333

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Moderators: Hiroshi HASHIGUCHI, Kotaro YAMAKADO

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Dept. of Orthop. Surg., Surgical Science, Tokai Univ. School of Med. Yoshiyasu UCHIYAMA, et al..... 542

2-4-SPD-4 Reverse Shoulder Arthroplasty Using the Fracture Stem : To achieve a High Tuberosity Union Rate  
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13:15~14:15 Educational Lecture 20 (Introduction for Wrist Symposium)  
Moderator: Hiroyuki KATO

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Moderators: Akio MINAMI, Hiroyuki KATO		Room 1
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2-4-WSY-2	Appropriate indications for total wrist arthroplasty, good patient selection Dept. of Orthop. Surg., Osaka Minami Medical Center.    Shosuke AKITA, et al..... 524	Room 3
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Moderator: Ryuji NAGAMINE

2-5-EL23 Treatment strategies for revision knee arthroplasty  
- including treatment for complex deformed knees -  
Dept. of Orthop. Surg., and Sport Medicine, General Medical Center,  
Kawasaki Medical School Nobuhiro ABE..... 578

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2-5-LS16-01 Short lecture for well cemented hip arthroplasty Part 1\_Practical course  
Dept. of Orthop. Surg., Hamamatsu Medical Center Toshiki IWASE..... 591

2-5-LS16-02 Short lecture for well cemented hip arthroplasty Part 2\_Basic course  
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**8:00~9:00 Oral Presentation 34 TKA implant design 1**  
 Moderators: Sadafumi ICHINOHE, Taiken RII

- 2-6-OP34-1 Relationship between postoperative medial-pivot motion and patient's satisfaction in TKA  
 Dept. of Orthop. Surg., Kumamoto Kaiseikai Hosp. Eiichi NAKAMURA, et al..... 658
- 2-6-OP34-2 Which is better between Cruciate Substituting insert and Posterior Stabilized insert in mobile bearing Total Knee Arthroplasty?  
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- 2-6-OP34-3 Similar outcomes between cruciate-substituting and posterior-stabilized insert in total knee arthroplasty: A propensity score-matched analysis  
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- 2-6-OP34-4 Comparison of Bone Mineral Density between medial-pivot TKA and posterior-stabilized TKA with a same osteotomy surface  
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- 2-6-OP34-5 Evaluation of relationship between insert geometry and contact point in cruciate retaining total knee arthroplasty  
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- 2-6-OP34-6 Comparison of Bone Mineral Density between mobile-bearing TKA and fixed-bearing TKA  
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- 2-6-OP34-7 Comparison of a vitamin E-infused highly crosslinked polyethylene and a conventional polyethylene for primary TKA: A consecutive follow-up 5 years  
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**9:15~10:15 Oral Presentation 35 TKA implant design 2**  
 Moderators: Masataka NISHIKAWA, Keinosuke RYU

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- 2-6-OP35-3 The comparison of intraoperative kinematic and instability between CS insert and CR insert in cruciate retaining total knee arthroplasty  
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Moderators: Hiroyoshi IWAKI, Ken URABE

- 2-6-OP37-1 OpenPose, an Artificial Intelligence-based Posture Estimation Algorithm, Can Be Applied to Measure the Knee Joint Angle after Total Knee Arthroplasty  
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- 2-6-OP37-2 An electronic force sensor accurately identifies increased joint ligament tension and can predict knee flexion contracture during total knee arthroplasty  
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- 2-6-OP37-3 Cruciate Retaining Total Knee Arthroplasty Changes Anterior-Posterior Knee Joint Stability and Improves Range of Motion at 2-year Postoperative Follow-up  
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- 2-6-OP37-4 Effect of Preoperative Posterior Tibial Slope Angle on Postoperative Outcome of CR-TKA  
Dept. of Orthop. Surg., Tokyo Medical Univ. Tsunehito ISHIDA, et al..... 664
- 2-6-OP37-5 Postoperative Factors Influencing Knee Extension Angle in Standing After Unilateral Total Knee Arthroplasty Examination Using Hierarchical Multiple Regression Analysis  
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- 2-6-OP37-6 What factors are associated with knee extension limitation after total knee arthroplasty?  
Dept. of Orthop. Surg., Chugoku Rosai Hosp. Tomohiro KATO, et al..... 665
- 2-6-OP37-7 Comparison of postoperative flex recovery rate between PS-TKA and UKA for high flex knees  
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Moderators: Tomonori KINUGASA, Yoshikazu TSUNEIZUMI

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- 2-6-OP38-2 The Factors and reference values affecting kneeling after TKA  
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- 2-6-OP38-3 Minimum clinically significant change of the Japanese version of the Pain Catastrophizing Scale in patients after unilateral total knee arthroplasty  
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- 2-6-OP38-4 Evaluation of Factors Associated with Health-related QOL Improvement 6 Months Passed after Total Knee Arthroplasty  
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## Saturday, February 18, JSRA Legend Lecture Room 1

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JSRA Passionate  
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### 8:10~9:10 JSRA Legend Lecture (Hip) 5

2-LLH5 Introductory course on femoral impaction bone grafting  
(Instructor) Dept. of Orthop. Surg., Hamamatsu Medical Center Toshiki IWASE

### 10:00~11:00 JSRA Legend Lecture (Hip) 6

2-LLH6 Indication and surgical technique for curved short stem/optimys stem and minima stem  
(Instructor) Chiba-ken Saiseikai-Narashino Hosp. Center for Arthritis and Joint Surg. Yoshitada HARADA

### 13:15~14:15 JSRA Legend Lecture (Hip) 7

2-LLH7 Knacks of KTplate usage and THA for Crowe IV hips  
(Instructor) Center for Replacement Arthroplasty Dept. of Orthop. Surg., Gakkentoshi Hosp. Chiaki TANAKA

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2-LLH8 Sports activities after total hip arthroplasty  
(Instructor) Dept. Orthop. Med. Eng., Osaka Univ. Graduate School of Medicine Nobuhiko SUGANO

## Saturday, February 18, JSRA Legend Lecture Room 2

### 8:10~9:10 JSRA Legend Lecture (Knee) 4

2-LLK4 TKA: Lessons from Unsatisfactory Cases  
(Instructor) Dept. of Orthop. Surg., Kyoto Univ. Shuichi MATSUDA

### 10:00~11:00 JSRA Legend Lecture (Knee) 5

2-LLK5 Gap technique in cruciate-retaining Total Knee Arthroplasty  
(Instructor) Takaoka Seishikai Orthop. Hosp. Koichi KANEKASU

### 13:15~14:15 JSRA Legend Lecture (Knee) 6

2-LLK6 Concept of Unicompartmental Knee Arthroplasty  
- knacks & pitfalls in spacer block technique -  
(Instructor) Fukuoka Orthop. Surg. Hosp. Toshihiro OHDERA

### 15:05~16:05 JSRA Legend Lecture (Knee) 7

2-LLK7 Simple Mind and Deep Consideration on Rotational Alignment of Lower extremities  
(Instructor) Tokyo International Univ. Shinro TAKAI



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8:00~9:30 JSRA Passionate Discussion (Hip) 3

2-JDH3 "Reasoning behind primary THA stem selection"  
 Choosing between basic stem, optional stem and cement fixation  
 (Facilitator) Toyama Nishi General Hospital Takuya NAKAMURA

10:00~11:30 JSRA Passionate Discussion (Hip) 4

2-JDH4 "Preoperative planning for primary THA"  
 2D/3D planning, cup position, leg length/offset: what is right and what is needed  
 (Facilitator) Orthop. Surg. Yamagata Saisei Hosp. Kan SASAKI

13:15~14:45 JSRA Passionate Discussion (Hip) 5

2-JDH5 "The role of CAS in THA"  
 Discussing usefulness, selecting CAS and what future research is needed  
 (Facilitator) Dept. of Orthop. Surg., Hokuuikai Kinen Hosp. Naoyuki HIRASAWA

Saturday, February 18, JSRA Passionate Discussion Room 2

8:00~9:30 JSRA Passionate Discussion (Knee) 4

2-JDK4 "Instrument selection in primary TKA"  
 CR? PS? Mobile PS? BCS? CS? Medial-pivot?  
 (Facilitator) Saitama Medical Univ., Saitama Medical Center Hiroshi INUI

10:00~11:30 JSRA Passionate Discussion (Knee) 5

2-JDK5 "Robot-assisted TKA: where does it stand?"  
 Usefulness and selection of robotics  
 (Facilitator) Yonemori Hosp. Masaki MIZUSHIMA

13:15~14:45 Face to face Implant Seminar 10 CT-based Hip Navigation

(Instructor) Hokuuikai Kinen Hospital Hiroyuki OGAWA  
 (Instructor) University of Toyama Toshihito HIRAIWA

Sponsored by : Stryker Corporation

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(Instructor) Hirosaki Memorial Hospital Koichi AKAISHI

Sponsored by : Zimmer Biomet G.K.

10:00~11:30 Face to face Implant Seminar 12  
Revision TKA - Implant Selection and Surgical Tips Based on Zonal Fixation -

(Instructor) Anshin Hospital Kiyonori MIZUNO

(Instructor) Tenyoukai Chuo Hospital Katsuyuki IMAMURA

Sponsored by : Zimmer Biomet G.K.

13:15~14:45 Face to face Implant Seminar 13  
Ultimate technique for muscle-tendon preservation approach using the curved short stem

(Instructor) Hirosaki Memorial Hospital Koichi AKAISHI

Sponsored by : Mathys KK

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Saturday, February 18, Face to face Implant Seminar Room 2

8:00~9:30 Face to face Implant Seminar 14  
The importance of cementless TKA based on patient satisfaction

(Instructor) Shinshu University Hiroshi HORIUCHI

(Instructor) Tsuruta Orthopedic Clinic Shuya IDE

Sponsored by : Stryker Corporation

15:00~16:30 Face to face Implant Seminar 15  
Initia® CR-TKA using Medial stabilizing technique

(Instructor) Dept. of Orthop. Surg., Kyoto Univ. Shinichi KURIYAMA

Sponsored by : KYOCERA Corporation

Face to face Implant Seminar Room

Hands-on Seminar Room

Day 1  
Feb. 17 (Fri.)

Day 2  
Feb. 18 (Sat.)

## Saturday, February 18, Hands-on Seminar Room 1

9:00~11:00 Hands-on seminar 5  
The latest TKA portable AR navigation -Key Clinical Points-

(Instructor) Department of Orthopaedic Surgery, Shimura Hospital Toru YOSHIOKA

Sponsored by : TEIJIN NAKASHIMA MEDICAL CO., LTD. / Xel-ha Medical CO., LTD.

## Saturday, February 18, Hands-on Seminar Room 2

9:00~11:00 Hands-on seminar 6  
Robotic-assisted and manual instrumentation Unicompartmental Knee  
Arthroplasty: State-of-the-Art

Moderator: Ayano KUWASAWA

(Instructor) Saitama Cooperative Hospital Ayano KUWASAWA

(Instructor) Tesseikai Neurosurgical Hospital Go IIDA

(Instructor) Gifu University Hospital Hiroyasu OGAWA

(Instructor) Yoshida Orthopedic Clinic Hirokazu YOSHIDA

Sponsored by : Smith and Nephew PLC

## Saturday, February 18, Hands-on Seminar Room 3

9:00~11:00 Hands-on seminar 7  
Let's touch it! Make curved short stem (optimys) be one of your options from  
tomorrow!

Moderator: Katsuya NAKATA

(Instructor) Fujita Haelth University Mitsuhiro MORITA

(Instructor) Saka Midorii Hospital Hiroshi TERAYAMA

(Instructor) Tokyo Woman's Christian University Yutaro MUNAKATA

Sponsored by : Mathys KK

JSRA Legend Lecture Room

JSRA Passionate  
Discussion Room

Face to face  
Implant Seminar Room

Hands-on Seminar Room