1st day  June 22

Room 1 (1F Conference Hall)

9:00 - 10:00 Special Lecture 1

JOSKAS special lectures to young doctors from top ACL surgeons.

Moderator: Takeshi Muneta

SL1 Science of Ligament Reconstruction 2017: For further development of the ligament reconstruction surgery

Hokkaido University Graduate School of Medicine, Sapporo, Japan
Kazunori Yasuda

10:00 - 11:00 Invited Lecture 1 [English]

Moderator: Hideo Matsumoto

IL1-1 Sports medicine my personal experience
Department of Orthopedic surgery and Traumatology, Klinikum Osnabrueck, Germany
Martin Engelhardt

IL1-2 Sports Medicine: my personal experience on the way to pursuing
Department of Orthopaedic Sports Medicine, Fudan University, Huashan Hospital, China
Shiyi Chen

11:00 - 12:00 Special Lecture 2

JOSKAS special lectures to young doctors from top ACL surgeons.

Moderator: Shinichi Yoshiya

SL2-1 Anatomical ACL Reconstruction with a Bone-Patellar Tendon-Bone or Hamstring Tendon Graft
Sports Orthop. Center, Yukioka Hospital
Konsei Shino

SL2-2 Clinical Application of Knee Surgery - 35 years experience
Dept. of Orthop Surg, Kobe Kaisei Hospital, Kobe, Japan
Masahiro Kurosaka

12:15 - 13:15 Luncheon Seminar 1

Moderator: Yasuyuki Ishibashi

LS1 ACL Reconstruction -Development of Joint Instability Measurement Interface
Dept. of Orthop. Surg., Kobe University Graduate School of Medicine, Kobe, Japan
Ryosuke Kuroda
Sponsored by Arthrex Japan G.K.

14:00 - 15:00 Invited Lecture 2 [English]

Moderator: Masataka Deie

IL2-1 Biological strategy for healing and fixation in ACL surgery
Department of Orthopedic Surgery, Taipei Medical University, Taiwan
Chih-Hwa Chen

IL2-2 Enhancing of tendon to bone healing in ACL reconstruction
Department of Orthopaedic & Traumatology, The Chinese University of Hong Kong (CUHK), Hong Kong
Patrick SH Yung
To eradicate dynamic instability after ACL reconstruction

Moderators: Takehiko Matsushita
Hideyuki Koga

PA1-1 Anatomy of the Anterolateral structure of the knee in a Japanese Population
Department of Anatomy 2, Sapporo Medical University
Jun Watanabe

PA1-2 Quantitative measurement of the pivot shift test for complete elimination of the remaining dynamic instability after the ACL reconstruction
Dept. of Orth. Surg., Kobe Kaisei Hospital, Kobe, Hyogo, Japan
Yuichi Hoshino

PA1-3 Contributions of the Lateral Meniscus and Anterolateral structure to rotary knee stability in the Setting of Anterior Cruciate Ligament Injury
Dept. of Orthop. Surg., Nara Medical University, Nara, Japan/
Department of Sports Medicine, Nara Medical University
Munehiro Ogawa

PA1-4 Biomechanical function on Anterolateral Structure of Knee ~Quantitative Evaluation Using the Electromagnetic Measurement System~
Dept. of Orthopaedic Surgery, Kobe University Graduate School of Medicine
Daisuke Araki

PA1-5 Remnant ligament tissue preserved anatomic double-bundle anterior cruciate ligament reconstruction using hamstring tendon-hybrid substitute
Department of Advanced Therapeutic Research for Sports Medicine,
Hokkaido University Graduate School of Medicine
Eiji Kondo

PA1-6 Anatomic rectangular tunnel ACL reconstruction with a BTB graft
Dept. of Orthop. Surg., Osaka University Graduate School of Medicine
Tatsuo Mae

Room 2 (1F Mid-sized Hall)

9:00 - 10:30 Symposium 1

Shoulder arthroscopy, Limitaion and breakthrough

Moderators: Minoru Yoneda
Naoki Suenaga

SY1-1 Limitation and breakthrough solution of arthroscopic surgery for throwing shoulder
Dept. of Orthop. Surg., Aichi Medical University, School of Medicine, Nagakure, Japan
Yusuke Iwahori

SY1-2 Arthroscopic Bankart repair for collision/contact athletes
Shigeto Nakagawa

SY1-3 Arthroscopic Bankart-Bristow procedure for anterior shoulder instability
Department of Sports Medicine Asao General Hospital
Kazuhide Suzuki

SY1-4 Arthroscopic treatment for posterior shoulder instability
Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine
Tomoya Manaka

SY1-5 Arthroscopic rotator cuff repair for repairable massive rotator cuff tears
Dept. of Orhtop. Surg., KKR Hokuriku Hospital, Ishikawa, Japan
Takashi Kobayashi

SY1-6 Limit and countermeasure of arthroscopic shoulder surgery for irreparable massive rotator cuff tear.
Department of Orthopaedics, Nara Medical University, Nara, Japan
Kazuya Inoue
Arthroscopic surgeries to injuries around shoulder

Moderators: Shinji Imai, Yoshiyuki Nakagawa

**SY2-1** Arthroscopic reduction and fixation for the treatment of glenoid fractures
Department of Orthopaedic Surgery, Mazda Hospital, Hiroshima, Japan
Kazuhiko Kikugawa

**SY2-2** Arthroscopic Fixation for the Fracture of the Glenoid Fossa Using an Endobutton
Dept. of Orthop. Surg., Uda City Hospital, Nara Shoulder & Elbow Center, Nara, Japan
Takamitsu Mondori

**SY2-3** Arthroscopic surgery for isolated avulsion fractures of the lesser tuberosity of the humerus and the greater tuberosity of the humerus
Dept. of Orthop. Surg., Onomichi Municipal Hospital, Japan
Takahiko Hirooka

**SY2-4** Arthroscopic surgery for malunited greater tuberosity fracture
Funabashi Orthopaedic Hospital Sports Medicine and Joint Center
Norimasa Takahashi

**SY2-5** Arthoroscopic reconstruction of coracoclavicular ligaments for acromioclavicular joint dislocations
Dept. of Orthop. Surg., Tokyo Medical University, Tokyo, Japan
Katsumi Takase

**SY2-6** Arthroscopic Coracoclavicular Ligament Reconstruction for Acromioclavicular Joint Dislocation
Dept. of Orthop. Surg., Nippon Medical School Chiba Hokusoh Hospital
Hiroshi Hashiguchi

**12:15 - 13:15 Luncheon Seminar 2**

**LS2** The Pain around Shoulder Joint in Athletes: Cause and Treatment
Department of Orthopaedics Surgery, Surgical Science, Tokai University School of Medicine, Kanagawa, Japan
Yoshiyasu Uchiyama

Sponsored by Nippon Zoki Pharmaceutical Co., Ltd.

**14:00 - 15:00 Educational Lecture 1**

**EL1** Regeneration of damaged articular cartilage with allogeneic iPSC derived cartilage
Center for iPSC Cell Research and Application, Kyoto University
Noriyuki Tsumaki
15:30 - 17:00  Symposium 3  
Regenerative medicine of joint 2017  
Moderators: Norimasa Nakamura  
Masato Sato  

SY3-1  Cartilage repair using autologous chondrocyte implantation  
Dept. of Orthop. Surg., Kobe University Graduate School of Medicine, Kobe, Japan  
Ryosuke Kuroda  

SY3-2  Development of an Acellular Cartilage Tissue Engineering Technique for the Clinical Application  
Dept. of Orthop. Surg., Hokkaido University Graduate School of Medicine, Sapporo, Japan  
Norimasa Iwasaki  

SY3-3  Cartilage regeneration using magnetically labeled MSC and external magnetic force  
Dept. of Orthop. Surg., Hiroshima University, Hiroshima, Japan  
Nobuo Adachi  

SY3-4  Stem cell-based tissue engineering approaches for osteochondral repair  
Medicine for Sports and Performing Arts, Dept. of Health and Sport Sciences,  
Osaka University Graduate School of Medicine, Osaka, Japan  
Kazunori Shimomura  

SY3-5  Regeneration of lateral knee OA with synovial stem cells  
Center for Stem Cell and Regenerative Medicine, Tokyo Medical and Dental University  
Ichiro Sekiya  

SY3-6  Cartilage Regeneration after Open Wedge High Tibial Osteotomy for Spontaneous Osteonecrosis of the Knee  
Joint Surgery Center, Yokosuka City Hospital  
Ryohei Takeuchi  

Room 3 (1F 107+108)  

9:00 - 10:30  Panel Discussion 2  
Cultivating ideas into reality ~medical device innovation by the surgeons~  
Moderators: Takafumi Hiranaka  
Kazuo Tanishita  

PA2-1  Medical technonological collaboration achieving to create the final medical device products  
Research Organization for Nano & Life Innovation, Waseda University  
Kazuo Tanishita  

PA2-2  The Future of Medical-Engineering Collaboration: The Practical Application of the Marketing Driven Model  
Commons for Medicine and Engineering  
Toshihiko Kashino  

PA2-3  Promotion for clinical application of innovative medical equipment and material by way of AMED-commissioned medical-industrial partnership project - a new synthetic patch for cardiac surgery (class IV)  
Department of Thoracic and Cardiovascular Surgery, Takatsuki, Japan  
Shintaro Nemoto  

PA2-4  Approach to device development from clinical fields in Aso Iizuka Hospital  
Aso Iizuka Hospital  
Akihide Masumoto  

PA2-5  How to develop medical devices by clinical doctors (fascination and pitfall)  
Department of Orthopaedic Surgery and Joint Surgery Center, Takatsuki General Hospital, Osaka, Japan  
Takafumi Hiranaka
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<th>Time</th>
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<tr>
<td>11:00 - 12:00</td>
<td>Medical Safety Lecture 1</td>
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<td>Moderator: Harukazu Tohyama</td>
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<td>12:15 - 13:15</td>
<td>Luncheon Seminar 3</td>
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<td>Moderator: Nobuo Adachi</td>
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<td>13:30 - 15:00</td>
<td>Panel Discussion 3</td>
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<td>Athletic rehabilitation for musculoskeletal injury</td>
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<td>15:30 - 16:30</td>
<td>Sweets Seminar 1</td>
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<td>Moderator: Go Omori</td>
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**MSL1**  
**Safty Management of Arthroscopic Surgery of Upper Extremity (Wrist, Elbow)**  
Clinical Research Center, International University of Health and Welfare, Tokyo, Japan  
Department of Orthopaedic Surgery, Sanno Hospital  
Toshiyasu Nakamura

**LS3-1**  
The reality of inpatient clinical cases with JACC  
Clinical case report, a description of patient and the surgical techniques  
Dept. of Orthop. Sure., Mie prefecture General Medical Center  
Atsushi Kitao

**LS3-2**  
Long-term clinical results and MRI changes after the autologous chondrocyte implantation in the knee  
Dept. of Orthop. Surg., Shimane University, Izumo, Japan  
Yuji Uchio  
Sponsored by Japan Tissue Engineering Co., Ltd.

**PA3-1**  
Low back disorders due to physical dysfunction  
Faculty of Sport Sciences  
Koji Kaneoka

**PA3-2**  
Rehabilitation of low back pain by body function improvement  
Dept. of Physical Therapy, Health Science Univ.  
Takaya Narita

**PA3-3**  
Diagnosis and Treatment for Shoulder Dysfunction in Throwing Athlete  
Funabashi Orthopaedic Hospital Sports Medicine and Joint Center  
Norimasa Takahashi

**PA3-4**  
Rehabilitation for throwing shoulder injury caused by physical dysfunction.  
Dept of Physical Therapy, Sports medicine & joint center, Funabashi Orthopaedic hospital, Chiba, Japan  
Takashi Takamura

**PA3-5**  
Athletic rehabilitation for sports injuries of foot and ankle  
Faculty of Sport Sciences, Waseda University  
Tsukasa Kumai

**PA3-6**  
Practical approach of athletic rehabilitation for anterior ankle impingement syndrome  
Faculty of Rehabilitation, Shijonawate Gakuen University, Osaka  
Department of Rehabilitation, Sports and Arthroscopy Center, Hanna Central Hospital, Ikoma  
Department of Sports Medicine, Nara Medical University, Nara  
Kosuke Oku

**SS1**  
Extracorporeal shock wave therapy on sports injuries of foot and ankle  
Faculty of Sport Sciences, Waseda University  
Tsukasa Kumai  
Sponsored by Japan Medicalnext Co., Ltd.
### Oral 1 (9:00 - 10:00)

#### Sports: Injury and Overuse

**Moderator:** Takuya Tajima

1. **O1-1-1** Analysis of Knee and Heel Pain in Elementary and Junior High School Students  
   Department of Orthopaedic Surgery, Graduate School of Medicine, Chiba University  
   Takahiro Enomoto

2. **O1-1-2** Incidence of Knee and Heel Pain in Elementary and Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Ryuichiro Akagi

3. **O1-1-3** Field Survey on the Injuries Caused by Wraparound Techniques in Drilling Judo Tournaments for Junior High School Students over the Past Two Years  
   Dept. of Orthop. Surg., Nagano Matsushiro General Hospital, Nagano, Japan  
   Daigo Matsunaga

4. **O1-1-4** Incidence of Ankle Sprain and Relating Factors in Junior Soccer Players  
   Graduate School of Sport Sciences, Waseda University  
   Kenichiro Murata

5. **O1-1-5** Field Survey on the Injuries Caused by Wraparound Techniques in Drilling Judo Tournaments for Junior High School Students over the Past Two Years  
   Dept. of Orthop. Surg., Nagano Matsushiro General Hospital, Nagano, Japan  
   Daigo Matsunaga

6. **O1-1-6** Incidence of Anterior Ankle Sprain in Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Nobuyuki Itaya

### Oral 2 (10:00 - 10:50)

#### Sports: Injury

**Moderator:** Yasunori Suda

1. **O1-2-1** Analysis of Knee and Heel Pain in Elementary and Junior High School Students  
   Department of Orthopaedic Surgery, Graduate School of Medicine, Chiba University  
   Takahiro Enomoto

2. **O1-2-2** Field Survey on the Injuries Caused by Wraparound Techniques in Drilling Judo Tournaments for Junior High School Students over the Past Two Years  
   Dept. of Orthop. Surg., Nagano Matsushiro General Hospital, Nagano, Japan  
   Daigo Matsunaga

3. **O1-2-3** Incidence of Ankle Sprain and Relating Factors in Junior Soccer Players  
   Graduate School of Sport Sciences, Waseda University  
   Kenichiro Murata

4. **O1-2-4** Incidence of Anterior Ankle Sprain in Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Nobuyuki Itaya

5. **O1-2-5** Incidence of Anterior Ankle Sprain in Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Nobuyuki Itaya

6. **O1-2-6** Incidence of Anterior Ankle Sprain in Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Nobuyuki Itaya

7. **O1-2-7** Incidence of Anterior Ankle Sprain in Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Nobuyuki Itaya

8. **O1-2-8** Incidence of Anterior Ankle Sprain in Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Nobuyuki Itaya

9. **O1-2-9** Incidence of Anterior Ankle Sprain in Junior High School Students  
   Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
   Nobuyuki Itaya

10. **O1-2-10** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

11. **O1-2-11** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

12. **O1-2-12** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

13. **O1-2-13** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

14. **O1-2-14** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

15. **O1-2-15** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

16. **O1-2-16** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

17. **O1-2-17** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

18. **O1-2-18** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

19. **O1-2-19** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

20. **O1-2-20** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

21. **O1-2-21** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

22. **O1-2-22** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

23. **O1-2-23** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

24. **O1-2-24** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

25. **O1-2-25** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

26. **O1-2-26** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

27. **O1-2-27** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya

28. **O1-2-28** Incidence of Anterior Ankle Sprain in Junior High School Students  
    Dept. of Orthop. Surg., Graduate School of Medicine, Chiba University, Chiba, Japan  
    Nobuyuki Itaya
13:30 - 14:20  Oral 3

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Knee: TKA Rehabilitation

Moderator: Yasuo Niki

01-3-1 Efficacy of Whole Body Vibration Training after Total Knee Arthroplasty
Dept. of Orthop. Surg., Juntendo University Urayasu Hospital, Chiba Japan  Aki Osawa

01-3-2 Prediction of one year postoperative ambulatory function after total knee arthroplasty
Dept. of Orthop. Surg., Steel Memorial Hirohata Hospital, Himeji, Japan  Shunsuke Yahiro

01-3-3 A comparative study of the incidence of venous thromboembolism and early postoperative outcome in the different start dates of physical therapy after total knee arthroplasty.
Orthopedics, Tokyo Medical and Dental University, Tokyo, Japan  Naoki Yamamoto

01-3-4 The Usefulness of Postoperative Super-Early Exercise Therapy for Deep Vein Thrombosis Prevention after Total Knee Arthroplasty
Funabashi Orthopaedic Hospital  Taishi Ninomiya

01-3-5 The Efficacy of New TKA Rehabilitation Strategy for Good ROM in Post-operative Early Period
Dep. of Orthop. Surg., JCHO Osaka Hospital, Osaka, Japan  Masataka Nishikawa

01-3-6 Athletic ability of patients who play sports after CR-TKA
Dayukai General Hospital  Orthopaedics Joint Replacement Center  Satoshi Terada

14:30 - 15:30  Oral 4

P.264-p.266

Knee: TKA CR

Moderator: Shaw Akizuki

01-4-1 The study of morphology of PCL in CR-TKA
Funabashi Orthopaedic Hospital  Hidetaka Higashi

01-4-2 Relation between proximal tibial cutting level and PCL retaining in CR TKA
Div. of Orthop. Surg., Niigata Univ. Graduate School of Medicine and Dental Sciences  Yosuke Sasage

01-4-3 Relationship between Knee Flexion Angle and Lateral Joint Laxity in Knee Flexion after Cruciate-retaining TKA
Dept. of Orthop. Surg., University of Toyama, Toyama, Japan  Ryuichi Gejo

01-4-4 Long term clinical results of cementless NRG CR TKA- more than 10 years after surgery-
Dept. of Orthop. Surg., Nagano Matsushiro General Hospital  Hiroshi Horiuchi

01-4-5 Time course of functional recovery after TKA, Comparison of CR vs PS
Dept of Orthop. Surg., Suwa Chuo Hospital  Shinichi Shirasawa

01-4-6 Relationship between intraoperative balance and postoperative flexion instability in PCL retaining and sacrificing TKA for valgus knees
Department of Orthopaedic Surgery, Hiroshima City Hiroshima Citizens Hospital, Hiroshima, Japan  Mitsuhiro Nakamura

01-4-7 Intraoperative soft tissue balance assessment of kinematically aligned total knee arthroplasty
Dept. of Orthop. Surg., Kobe University Graduate School of Medicine, Kobe, Japan  Tomoyuki Matsumoto
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<th>Time</th>
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<th>Speaker</th>
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<td>15:30 - 16:30</td>
<td>Oral 5</td>
<td><strong>Knee: TKA PS</strong></td>
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<td><strong>01-5-1 Effect of Surgical Technique on Post-operative Knee Stability in Posterior Stabilized Total Knee Arthroplasty</strong></td>
<td>Yutaro Kanda</td>
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<td>Dept. of Orthop. Surg., Steel Memorial Hospital, Himeji, Hyogo, Japan</td>
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<td><strong>O1-5-2 Investigation of the tibial implant fixation in cementless total knee arthroplasty</strong></td>
<td>Tomonori Tajima</td>
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<td>Dept. of Orthop. Surg., University of Saga, Saga, Japan</td>
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<td><strong>O1-5-3 Effect of postoperative flexion knee stability on one-year postoperative ambulatory functional recovery in PS-TKA</strong></td>
<td>Tomoyuki Kamenaga</td>
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<td>Dept. of Orthop. Surg., Steel Memorial Hirohata Hospital, Himeji, Japan</td>
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<td><strong>O1-5-4 Varus Deformity After TKA Does Not Lead to Abnormal Postoperative Ligamentous Laxity.</strong></td>
<td>Tsutomu Maeda</td>
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<td>Dept. of Orthop. Surg., Shiga University of Medical Science, Otsu, Japan</td>
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<td><strong>O1-5-5 Optimum Tibial Slope in Posterior-substituting (PS) Total Knee Arthroplasty-Fluoroscopic Analyses of Persona during Stair Climbing Motion-</strong></td>
<td>Shinya Kawahara</td>
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<td>Dept. of Orthop. Surg., Kyushu University, Fukuoka, Japan / Dept. of Mechanical and Aerospace Engineering, University of Florida, Gainesville, FL, USA / Dept. of Orthop. Surg., Hamanomachi Hospital, Fukuoka, Japan</td>
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<td><strong>O1-5-6 The effect of distal femoral osteotomy on flexion gap in PS TKA -in comparison of CR TKA-</strong></td>
<td>Goki Kamei</td>
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<td>Dept. of Orthop. Surg., Hiroshima Prefectural Hospital, Hiroshima, Japan</td>
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<td><strong>O1-5-7 Excessive sagittal flexion setting of the femoral component effects knee kinematics and kinetics in PS-TKA</strong></td>
<td>Mutsumi Watanabe</td>
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<td>Dept. of Orthop. Surg., Kyoto University, Kyoto, Japan</td>
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<td>9:00 - 9:50</td>
<td><strong>Oral 6</strong></td>
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<td>Room 5  (2F Small Hall)</td>
<td><strong>Knee: TKA Biomechanics and Imaging</strong></td>
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<td><strong>01-6-1 Medial joint laxity causes abnormal kinematics after total knee arthroplasty</strong></td>
<td>Kohei Nishitani</td>
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<td>Dept. of Orthop. Surg., Kyoto Univ, Kyoto, Japan</td>
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<td><strong>01-6-2 The effect of a cane on the thorax and knee biomechanics after total knee arthroplasty</strong></td>
<td>Takeshi Kimura</td>
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<td>Department of Orthopedics Surgery, Saiseikai Yokohamashi Tobu Hospital</td>
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<td><strong>01-6-3 Kinematic and Kinetic Effects of Patellar Component Superior-inferior Position</strong></td>
<td>Shinichiro Nakamura</td>
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<td>Dept. of Orthop. Surg., Kyoto University, Kyoto, Japan</td>
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<td><strong>01-6-4 Periprosthetic Bone Mineral Density after Medial Pivot TKA</strong></td>
<td>Suguru Nakamura</td>
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<td>Dept. of Orthop. Surg., University of Osaka city, Osaka, Japan</td>
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<td><strong>01-6-5 Influence of the Contralateral Knee Flexion Contracture for the sagittal alignment in standing position after total knee arthroplasty</strong></td>
<td>Hiroshi Koyama</td>
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<td><strong>01-6-6 Study on measurement method of implant placement angle after TKA - Comparison between x-ray and 3D image matching method</strong></td>
<td>Shinichi Ueki</td>
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<td>Dept. of Orthop. Surg, Chugoku rousai hospital</td>
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10:00 - 11:00 Oral 7  
Knee: TKA Outcome

**Moderator**: Nobuto Kitamura

**01-7-1**  The Influence of Psychiatric Problems on Clinical Outcomes after Primary Total Knee Arthroplasty

Tohoku Orthopaedic and Dental Clinic  
Makiko Kishi

**01-7-2**  Factors influencing subjective knee instability after total knee arthroplasty

Dept. of Orthop. Surg., Niigata Medical Center, Niigata, Japan  
Yuki Takahashi

**01-7-3**  Gait analysis in patients with replaced knee: A comparative study between TKA and UKA

Department of Orthopedic Surgery, Keio University School of Medicine, Tokyo, Japan  
Kohei Nishizawa

**01-7-4**  Low Back Pain and the Lumbar Spine Deformity after TKA

Department of Orthopedic Surgery, Odawara Municipal Hospital  
Koji Noyori

**01-7-5**  Association between Changes of Subcutaneous Deep Temperature in Knee Joint and Knee Motion after Total Knee Arthroplasty

Dept. of Orthop. Surg., Kobe City Medical Center General Hospital, Kobe, Japan  
Tadashi Yasuda

**01-7-6**  Relationship between postoperative alignment and patient-derived outcomes for total knee arthroplasty

Dept. of Orthop. Surg., Kobe University Graduate School of Medicine, Hyogo, Japan  
Yuichi Kuroda

**01-7-7**  Short and medium term outcomes following revision total knee arthroplasty with Legacy Constrained Condylar Knee

Dept. of Musculoskeletal Surg., Mie Univ. Postgraduate School of Medicine  
Toshio Yamaguchi

11:00 - 12:00 Oral 8  
Knee: TKA Gap

**Moderator**: Yukihide Minoda

**01-8-1**  Relationship between osteophyte size of femoral posterior condyle and extension gap in total knee arthroplasty using pre-cut trial method.

Dept. of Orthop. Surg., Saiseikai Utsunomiya Hospital  
Toshiki Kawasaki

**01-8-2**  Joint gap of the TKA in whole range of motion using the precut technique against the modified gap technique

Dept. of Orthop. Surg., Osaka Rosai Hospital, Osaka, Japan  
Shigeru Nakagawa

**01-8-3**  Intraoperative component gap increases at mid flexion after Total Knee Arthroplasty with modified gap technique

Dept. of Orthop. Surg., University of Teikyo, Tokyo, Japan  
Hironari Masuda

**01-8-4**  Determining of the femoral component size up in PERSONA total knee arthroplasty using FuZion tensor

Dept. of Orthop. Surg., Tonami General Hospital, Toyama, Japan  
Hiroshi Yamada

**01-8-5**  In-vivo Kinematic analyses with use of a novel posterior referenced gap sizer during computer assisted total knee arthroplasty (TKA)

Dept. of Orthop. Surg., Chibune General Hospital, Osaka, Japan  
Katsumasa Tei

**01-8-6**  Change of gap balance after implantation in total knee arthroplasty

Ogori Daiichi General Hospital, Yamaguchi, Japan  
Masanori Mutou

**01-8-7**  The anatomical landmarks are not the functional flexion axis in TKA using a gap-balance technique.

Southern TOHOKU General Hospital  
Kazuhide Uesugi
12:15 - 13:15 Luncheon Seminar 4  
Moderator: Tomoyuki Saito

LS4 Treatment Strategy for Patients with Recurrent Dislocation of the Patella Using Three-Dimensional Computer Analysis  
Dept. of Orthop. Sports Medicine, Kansai Rosai Hosp., Amagasaki, Japan  
Yukiyoshi Toritsuka

Sponsored by Hisamitsu Pharmaceutical Co., Inc.

13:30 - 15:00 Symposium 4  
Elbow sports injury -surgical treatments to return to play-

Moderators: Norimasa Iwasaki  
Yusuke Iwahori

SY4-1 Surgical treatment of stress fractures of olecranon  
Dept. of Orthopedic Sports Medicine, Yokohama Minami Kyosai Hospital, Yokohama, Japan  
Tetsuya Yamazaki

SY4-2 Ulnar Collateral Ligament (UCL) injury with Thoracic Outlet Syndrome (TOS) of the baseball player.  
Keiyo Orthopaedic Hospital, Sports Medical Center  
Kozo Furushima

SY4-3 Costal osteochondral autograft for osteochondritis dissecans of the humeral capitellum  
Dept. of Orthop. Surg., Osaka University Graduate School of Medicine, Osaka, Japan  
Hiroyuki Tanaka

SY4-4 Autologous Osteochondral Mosaicplasty for osteochondritis dissecans of the elbow  
Department of Orthopaedic Surgery., Hokkaido University Graduate School of Medicine.  
Daisuke Momma

SY4-5 Elbow arthroscopy for treatment of refractory lateral epicondylitis.  
Dept. of Orthop. Surg., St Marianna University School of Medicine. Kanagawa, Japan  
Takeshi Arai

SY4-6 Surgical treatment and rehabilitation of elbow joint disorders by judo - Focusing on osteoarthritis in elbow -  
Department of Orthopaedics, Japan Community Healthcare Organization, Tokyo Shinjuku Medical Center  
Takeshi Kamitani
15:30 - 17:00  Symposium 5  
Elbow medical screening for adolescent baseball players, Its popularizaion and challenge

Moderators : Shinji Kashiwaguchi, Yasushi Nose

SY5-1 Elbow check-up system for youth baseball players in Tokushima
Dept. of Orthop., Tokushima Univ., Tokushima, Japan  
Tetsuya Matsuura

SY5-2 The comprehensive action and problems for the osteochondritis dissecans of the elbow in Niigata
Dept. of Orthop. Surg., University of Niigata, Niigata, Japan  
Tomoharu Mochizuki

SY5-3 Current Situation and Issues of Medical screening for baseball elbow in Kyoto Prefecture
Dept of Orthop., Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan
Yoshikazu Kida

SY5-4 Medical check up for youth baseball players in Yokohama
Iwama Orthopaedic Clinic  
Tetsu Iwama

SY5-5 Prevention of youth baseball elbow by many types of job cooperation in Nara
Dept. of Orthop. Surg., Nara Medical University, Nara, Japan  
Takuya Egawa

SY5-6 Popularization of school-aged baseball elbow screening and problems associated with it
Yakyuuukyouikujuku  
Yasushi Nose

Room 6 (2F 204)

9:00 - 9:40 Oral 9  
Knee: Meniscus 1

Moderator : Toshiro Otani

O1-9-1 A new device for meniscus repair
Dept. of Orthop. Surg., Kyoto Interdisciplinary Institute Hospital of Community Medicine, Kyoto, Japan  
Shohei Ichimaru

O1-9-2 Knee Arthroscopic Meniscus Surgery under Ultrasound-guided Nerve Block
Dept. of Orthop. Surg., Shizuoka General Hospital, Shizuoka, Japan  
Teiichi Sano

O1-9-3 Modified Inside-Out suture for the anteromedial segment repair of knee lateral meniscus using far anteromedial portal
Dept. of Orthop. Surg., Teine Keijinkai Hospital, Sapporo, Japan  
Masato Hara

O1-9-4 Surgery for Double Radial Tear of Lateral Meniscus with Anterior Cruciate Ligament Injury
Carebridge Inc./Department of Biochemistry, Showa University School of Medicine.  
Yuya Hirata

O1-9-5 Meniscus Repair Using a combination Fibrin Clot and Bone Marrow Stimulating
Dept. of Orthop. Surg., Kasugai Municipal Hospital, Aichi, Japan  
Tomoya Ono

10:00 - 11:00 Oral 10

Knee: Cartilage 1

Moderator : Kouta Uematsu

O1-10-1 Clinical Outcome of Atelocollagen-associated Autologous Chondrocyte Implantation for the Repair of Chondral Defects of the Knee.
Steel Memorial Muroran Hospital  
Takuma Kaibara
O1-10-2 Clinical short-term outcome of Autologous Chondrocyte Implantation with opening wedge high tibial osteotomy or distal femoral osteotomy
Dept. of Orthop. Surg., University of Fukuoka, Fukuoka, Japan Kazuhiro Saeki

O1-10-3 Short-term Results of Autogenous Cultured Cartilage Implantation (JACC) to the Knee Cartilage Damage
Department of Knee/Shoulder Surgery and Sports Medicine, Kyoto Shimogamo Hospital
Masahiko Kobayashi

O1-10-4 Arthroscopic findings after autologous chondrocyte transplantation with distal femoral osteotomy and open wedge osteotomy
Dept. of Orthop. Surg., Fujieda Municipal General Hospital, Shizuoka, Japan Masashi Abe

O1-10-5 Treatment by banked bone allograft and following autologous chondrocyte implantation to an extensive osteochondral defect due to open fracture of medial femoral condyle -A case report-
Dept. of Orthop. Surg., Kitasato University Medical Center Noriko Hirakawa

O1-10-6 Clinical outcome of the autologous osteochondral grafts for the osteochondral lesions without meniscus
Dept. of Orthop. Surg. National Hospital Organization Kyoto Medical Center Yasuaki Nakagawa

O1-10-7 T1 rho values of patellofemoral joint in the patients after ACLR - 3 dimensional analysis study -
Dept. of Rehabilitation, Heisei Memorial Hospital, Nara, Japan Daisuke Bai

11:00 - 12:00 Oral 11 p.288-p.290

Knee: Cartilage 2
Moderator: Yasuaki Nakagawa

O1-11-1 The new technique and instruments of arthroscopic retrograde osteochondral autograft transplantation for cartilage lesions of the tibial plateau.
Dept. of Orthop. Surg., Mie Prefecture General Medical Center, Mie, Japan Atsushi Kitao

O1-11-2 Results of Conservative Therapy for Knee Osteochondritis Dissecans Lesions
Dept.of Rehabilitation. Med., Wakamatsu hospital of the University of occupational and environmental health, Japan Yoshihatsu Ueno

O1-11-3 Examination of Treatment Outcome with Arthroscopic Drilling for Osteochondritis Dissecans
Okayama Saiseikai General Hospital, Orthopedics Takanao Kurozumi

O1-11-4 Long-term results of autologous bone marrow mesenchymal stem cell transplantation for cartilage defects in the patella: two case reports at 17-years follow-up
Dept. of Orthop. Surg., Yao Municipal Hospital, Osaka, Japan Akira Tsujii

O1-11-5 Autologous Chondrocyte Implantation for Mirror Lesion of Cartilage defect of the Knee
-A Case Report-
Matsudo Orthopaedic Hospital Shuhei Ogino

O1-11-6 Autologous cultured cartilage (JACC) using Osteochondral autogenous transfer (OAT) system;A report of two cases
Department of Knee/Shoulder Surgery and Sports Medicine, Kyoto Shimogamo Hos Yasuyuki Mizuno

O1-11-7 A case of professional football player with femoral cartilage lesion caused by a little step-off of tibial articular surface.
Dept. of Orthop. Surg., University of Osaka, Osaka, Japan Kosuke Sakata
12:15 – 13:15  Luncheon Seminar 5  

**LS5  A Prospect of Bone and Cartilage Regeneration**  
Dept. of Orthop. Sure., Gifu University, Gifu, Japan  
Haruhiko Akiyama  
Sponsored by CHUGAI PHARMACEUTICAL CO., LTD.

**13:30 – 14:30  Oral 12**  

**Knee: Meniscus 2**

**O1-12-1  Arthroscopic Second Look Evaluation of Meniscal Tear with Acute Anterior Cruciate Ligament Injury**  
Dept. of Orthop. Surg., Zenshukai Hospital, Gunma, Japan  
Hiroyuki Shiozawa

**O1-12-2  Short-term results of repair for slightly unstable medial meniscal tears during anterior cruciate ligament reconstruction**  
Dept. of Orthop. Surg., Kawaguchi Kogyo General Hospital  
Shimpei Kondo

**O1-12-3  Short-term results of arthroscopic transtibial pull out repair for the median meniscus posterior root tears.**  
Dept. of Orthop. Surg., Tosei General Hospital, Seto, Japan  
Makoto Kobayashi

**O1-12-4  4 Cases of Medial Meniscus Centralization in combination with High tibial Osteotomy and Pullout Fixation for Posterior Root Tears of the Medial Meniscus**  
Dept. of Orthop. Surg., Kasugai Municipal Hospital, Aichi, Japan  
Atsunori Murase

**O1-12-5  Clinical Results of Arthroscopic Meniscus Root Repair**  
Dept. of Orthop. Surg., University of Nagoya, Nagoya, Japan  
Kentaro Miyamoto

**O1-12-6  MRI diagnosis of Ramp lesion**  
Dept. of Orthop. Surg., JCHO Gunma Central Hospital, Gunma, Japan  
Kazuhisa Hatayama

**O1-12-7  The relationship between bone morphology of the knee and isolated medial meniscus tear in adolescent.**  
Dept. of Orthop. Surg., Sakura Medical center, TOHO University, Chiba, Japan  
Keita Koyama

**14:30 – 15:20  Oral 13**  

**Knee: Meniscus 3**

**O1-13-1  The clinical outcome of Arthroscopic surgery for Meniscal degeneration damage**  
Department of Orthopaedic Surgery and Sport Medicine  
Kazuto Hirai

**O1-13-2  Arthroscopic repair of meniscus injury in patient age 50 years old or older.**  
Dept. of Orthop. Surg., Ogawa Red Cross Hospital, Saitama, Japan  
Katsuhiko Yamazaki

**O1-13-3  Clinical Results of arthroscopic meniscal repair combined open-wedge high tibial osteotomy**  
Oomori Municipal Hospital  
Hiroaki Tsukamoto

**O1-13-4  Five Cases of Arthroscopic Centralization for Severe Osteoarthritis after Lateral Meniscectomy**  
Department of Orthopaedic Surgery, Tokyo Medical and Dental University Hospital of Medicine  
Hideyuki Koga

**O1-13-5  Timing of the appearance of bone marrow lesion on MRI after arthroscopic meniscectomy**  
ShinKaminokawa Hospital  
Kenzo Takatoku

**O1-13-6  Bone marrow edema lesion on MRI after meniscectomy**  
Sports medicine and joint center, Funabashi Orthopaedic Hospital  
Shigehiro Asai
Knee: Meniscus 4

01-14-1 Return to sports and arthroscopic evaluation after the lateral meniscal repair of isolated radial/flap tears in the stable knees
Dept. of Sports Orthop., Osaka Rosai Hospital
Hiroshi Amano

01-14-2 All-inside technique for Hypermobile lateral meniscus
Dept. of Orthop. Surg., Osaka Red Cross Hospital, Osaka, Japan
Tomohiro Stefuan Tomi

01-14-3 Study of Magnetic resonance images in diagnosis of Hypermobile Lateral Meniscus
Dept. of Joint Surgery Center Sakaide, Kaisei Hospital, Kagawa, Japan
Nobuhiro Chikaishi

01-14-4 Clinical result and MRI evaluation of meniscal repair for horizontal lateral discoid meniscal tear
Sports & Arthroscopy Center, Hanna Central Hospital, Ikoma, Nara, Japan
Yasuyuki Kawaguchi

01-14-5 Treatment and Results of Torn Lateral Discoid Meniscus
Department of Orthopaedic Surgery and Sport Medicine
Yosuke Furukawa

01-14-6 The association between discoid lateral meniscus and classification of the proximal tibiofibular join
Dept. of Orthop. Surg., University of Hiroshima, Hiroshima, Japan
Yoshifumi Suga

01-14-7 Wide tibial eminence can predict the presence of complete discoid lateral meniscus
Department of Orthopaedic Surgery, Okayama University Graduate school of Medicine, Dentistry, and Pharmaceutical Sciences, Japan.
Tomohito Hino

Room 7 (2F 206)

9:00 - 9:50 Oral 15 p.300-p.301

Wrist and Elbow

01-15-1 Elbow Posterolateral Reconstruction (docking technique) for treating patient with failed arthroscopic ECRB release. -a case report-
Dept. of Orthop. Surg., Wakamatsu Hospital of the University of Occupational and Environmental Health, Japan
Kotaro Tokuda

01-15-2 Withdrawn

01-15-3 Characteristics of the Glenohumeral motion in junior baseball player with medial elbow injury.
Tokyo joint surgery center Akishima Orthopaedic Surgery
Shogo Mayumi

01-15-4 Anterior transposition of ulnar nerve with an endoscopic assistance
Okayama Red Cross Hospital
Taizo Konishiike

01-15-5 Observation of the recurrent branch in endoscopic carpal tunnel release surgery using the USE system
Department of Orthopaedic Surgery, Toride Kita-souma Medical Association Hospital, Ibaraki, Japan / Okutsu Minimally Invasive Orthopaedic Clinic, Tokyo, Japan
Aya Yoshida

01-15-6 Withdrawn
10:00 - 11:00 Oral 16 p.302-p.304

Elbow: Throwing Injury

Moderator: Tetsuya Yamazaki

01-16-1 Risk factor for osteoarthritic changes after osteochondral plug graft in osteochondritis dissecans of the elbow. Department of Orthopaedics, Kurume University Hisao Shimokobe

01-16-2 The factor which affects clinical results of the lateral widespread type Osteochondritis Dissecans of the Humeral Capitellum Dept. of Orthop. Surg., University of Miyazaki, Miyazaki, Japan Yasuyuki Ishida

01-16-3 Two year follow-up study about the ultrasonographic findings of the subchondral surface irregularity of the capitellum in baseball players under the age of 10 years Dept. of Orthop. Surg., University of Tokushima, Tokushima, Japan Kenji Yokoyama

01-16-4 Arthroscopic Debridement for Osteochondritis Dissecans: a Case Series Dept. of Orthop. Surg., JCHO Osaka Hospital, Osaka, Japan Keiichiro Oura

01-16-5 Cartilage injury of trochlea of humerus in baseball players Dept. of orthopaedic surgery, Yokohamaminamikyousai hospital, Japan Jun Yamakawa


01-16-7 Osteochondritis dissecans of the humeral trochlea in baseball players; two case report Dept. of Orthop. Surg., Fukushima Medical University school of Medicine Yota Kaneko

11:00 - 12:00 Oral 17 p.305-p.307

Elbow: Basic Research

Moderator: Yusuke Iwahori

01-17-1 Stress distribution across radial head cavity in capitellar osteochondritis dissecans using CT osteoabsorptiometry Dept. of Orthop. Surg., Hokkaido Univ. Yuki Matsui

01-17-2 The Effect of Congruity of Radiocapitellar Joint by Elbow and Forearm Position Dept. of Orthop. Surg., Keio University, Tokyo, Japan / Dept. of Orthop. Surg., National Hospital Organization Tokyo Medical Center, Tokyo, Japan Koichi Horiuchi

01-17-3 Kinematics of the Elbow Joint with Ulnar Collateral Ligament Insufficiency Dept. of Sports Orthopaedic Center, Yokohama Minami Kyosai Hospital Masaki Akeda

01-17-4 Anterior and Posterior Bands of the Anterior Bundle in the Elbow Ulnar Collateral Ligament: Ultrasound Anatomy Dept of Orthop. Surg. Nagoya City University Graduated School of Medical Science, Nagoya, Japan Masahito Yoshida

01-17-5 Evaluation of relationships between ulnar collateral ligament length and elbow instability in asymptomatic baseball pitchers using 3D-CT Department of Orthopaedic Surgery., Hokkaido University Graduate School of Medicine. Daisuke Momma

01-17-6 Effect of elbow valgus laxity on capitellar osteochondral dissecans Dept. of Orthop. Surg., Okayama Univ. / Dept. of Orthop. Surg., Kosei Hospital Takahiko Uchino
Pain-free baseball players in the teens have some different MR findings of medial humeral epicondyle on the pitching side and non-pitching side.
Dept. of Orthop. Surg., University of Tsukuba, Ibaraki, Japan
Tomohiro Yoshizawa

12:15 – 13:15 Luncheon Seminar 6
Moderator : Hiroshi Tsumura
LS6 Pharmaceutical approach for pain in bone and joint
Medicine for Sports and Performing Arts, Osaka University Graduate School of Medicine
Ken Nakata
Sponsored by Astellas Pharma Inc.

Shoulder: Instability 1
Moderator : Kenji Okamura

Investigation of nonunion of coracoid fragment in cases of arthroscopic Bankart repair and open Bristow procedure
Dept. of Orthop. Surg., St. Luke’s International Hospital, Tokyo, Japan
Atsushi Tasaki

The Length of Coracoid Graft is preferably 15mm or Less in The Arthroscopic Bristow & Bankart Repair.
Dept. of Orthop. Surg., Nihon University Hospital, Tokyo, Japan
Takashi Horaguchi

The outcome of arthroscopic assisted Bankart&Bristow procedure compared with remplissage
Dept. of Orthop. Surg., Anshin hospital Kobe, Japan
Naoki Yamagami

Dept of Orthop. Surg., Fukuoka University Chikushi Hospital
Tomohiko Minamikawa

Osteolysis after Latarjet Procedure
Dept. of Orthop. Surg., Osaka Police Hospital
Makoto Tanaka

Treatment strategy for the traumatic anterior instability with bony defect
Hiroshima Prefectural Hospital
Shigeki Ishibashi

Shoulder: Instability 2
Moderator : Shigeto Nakagawa

The Long-term Clinical Outcomes of Arthroscopic Bankart Repair in Rugby Players
Dept. of Joint Surgery and Sports Medicine, Tokyo Medical and Dental University
Mari Uomizu

Additional Remplisage Technique to Arthroscopic Bankart Repair for Recurrent Dislocation of Contact Athletes - 4 cases Report-
Dept. of Orthop. Surg., Osaka Red Cross Hospital, Japan
Takashi Suzuki

Evaluation of Hill-Sachs lesion using the X-rays at the time of the first anterior shoulder dislocation
Dept. of Orthop. Surg. Hiroo Metropolitan Hospital
Kazuhiro Shibayama

Characteristics of Osteoarthritic Change in Glenoid with Traumatic Anterior Shoulder Instability; Difference between Young and Elder Patients
Department of Orthopaedic Sports Medicine, Yukioka Hospital, Osaka, Japan
Takehito Hirose

The correlation between morphologic change of glenoid and instability in recurrent shoulder dislocation
Dept. of Orthop. Surg., Faculty of Medicine, Tottori University, Tottori, Japan
Ikuta Hayashi
9th JOSKAS
第 9 回 日本関節鏡・膝・スポーツ整形外科学会

15:30 - 16:30 Oral 20 p.313-p.315

Shoulder: Reverse Shoulder Arthroplasty

Moderator: Yozo Shibata

01-20-1 Intraoperative and postoperative complications of reverse shoulder arthroplasty and the way to deal with the problems
Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine
Yuto Kobayashi

01-20-2 Short term clinical results of RSA with comparison between primary RSA and secondary RSA after failed ARCR
Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine
Koichi Ichikawa

01-20-3 Pitfall for glenoid bone loss and deformity in reverse shoulder arthroplasty
Osaka Shoulder Center, Ito Clinic
Yoichi Ito

01-20-4 Influence of superior or inferior screw on base plate position
Department of Orthopaedics, Yoshinogawa Medical Center
Katsutoshi Miyatake

01-20-5 Gender difference in shoulder geometry after reverse shoulder arthroplasty
Dept. of Orthop. Surg., NHO Kochi National hospital, Kochi, Japan
Shoji Fukuta

01-20-6 Comparision of Lateralized and Grammount types in Reverse Shoulder Arthroplasty
Dept. of Rehabilitation., Fukui General Clinic, Fukui, Japan
Yumi Kubo

01-20-7 Clinical and radiographic evaluation of reverse shoulder arthroplasty with intraoperative O-arm Navigation
Dept. of Orthop. Surg., Seirei Sakura Citizen Hospital, Chiba, Japan
Yu Sasaki

Room 8 (2F 207)

9:00 - 10:00 Oral 21 p.316-p.318

Knee: Osteotomy 1

Moderator: Takeshi Sawaguchi

01-21-1 The clinical results and arthroscopic findings after HTO with autologous chondrocyte implantation
Dept. of Orthop. Surg., St.Luke’s International Hospital, Tokyo, Japan
Soichi Tsuji

01-21-2 Is Osteochondral Autogenous Transfer needed in High Tibial Osteotomy?
Dept. of Orthop. Surg., Kyoto Katsura Hospital, Kyoto, Japan
Hideto Harada

01-21-3 Cartilage repair after opening wedge high tibial osteotomy
Chihaya Hospital, Fukuoka, Japan
Takahiro Ito

01-21-4 Relation between the alteration of the articular cartilage in the femoral trochlea and the clinical outcome after opening-wedge HTO
Department of Orthopaedic Surgery, Japan Community Healthcare Organization, Osaka Hospital
Yuzo Yamada

01-21-5 Evaluation about the change and effect to patellofemoral joint after medial opening wedge high tibial osteotomy
FUNABASHI ORTHOPEDIC HOSPITAL, SPORTS MEDICINE CENTER
Hideaki Fukuda

01-21-6 Radiographic Assessment of the Patellofemoral Joint in the Medial Opening Wedge High Tibial Osteotomy
KAWASAKI SAIWAI HOSPITAL, ORTHOPEDIC DEPARTMENT
Takanori Akada

01-21-7 Changes of Patellofemoral Cartilage Injury After Medial Open-Wedge High Tibial Osteotomy
Dept. of Orthop. Surg., Kobe University Graduate School of Medicine
Toshikazu Tanaka
### 10:00 - 11:00 Oral 22  
**Knee: Osteotomy 2**  
**Moderator:** Masato Aratake

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<th>Title</th>
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<tbody>
<tr>
<td>Change of the articular surface angle of inclination before and after OWHTO</td>
<td>Noriyuki Gomi</td>
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<td>Evaluation of Factors which affect Postoperative Condylar-plateau Angle in Opening Wedge High Tibial Osteotomy</td>
<td>So Suzuki</td>
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<td>The rotation change of opening wedge high tibial osteotomy on tibial rotation</td>
<td>Takahiro Sasaki</td>
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<td>Analysis for rotational alignment of OWHTO using CT fusion image</td>
<td>Takashi Aki</td>
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<td>How to prevent an increase in posterior tibial slope angle in medial opening wedge high tibial osteotomy</td>
<td>Hiroyasu Ogawa</td>
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<td>Increased medial proximal tibial angle after opening wedge high tibial osteotomy</td>
<td>Yasushi Akamatsu</td>
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<td>After One Year of Pre Operation Foot Alignment and Knee acceleration from Open Wedge HTO</td>
<td>Keigo Nojiri</td>
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### 11:00 - 12:00 Oral 23  
**Knee: Osteotomy 3**  
**Moderator:** Ken Kumagai

<table>
<thead>
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<th>Title</th>
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<tr>
<td>Clinical outcomes between suture repair and partial resection of the medial meniscus posterior root tear for opening wedge high tibial osteotomy</td>
<td>Takashi Yagi</td>
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<td>The utility of high tibial osteotomy targeting Bone Marrow Lesions in knee osteoarthritis</td>
<td>Koji Aso</td>
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<td>Preoperative Planning Using Multiplanar Reconstruction CT Images for Medial Opening Wedge High Tibial Osteotomy.</td>
<td>Tomonori Kinugasa</td>
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<td>Investigation of knee joint stability after Opening wedge high tibial osteotomy using imageless navigation</td>
<td>Yohei Sasaki</td>
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<td>Examination of the alignment difference intraoperative navigation and postoperative X-ray in navigated Opening wedge high tibial osteotomy</td>
<td>Masaki Tsuji</td>
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<tr>
<td>Simultaneous combined medial opening wedge high tibial osteotomy using navigation and anterior cruciate ligament reconstruction for medial osteoarthritis with anterior cruciate ligament insufficiency</td>
<td>Arata Watanabe</td>
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<tr>
<td>Surgical outcomes of combined high tibial osteotomy and anterior cruciate ligament reconstruction for anterior cruciate ligament-deficient knees with varus osteoarthritis</td>
<td>Shintaro Onishi</td>
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13:30 - 14:30 Oral 24

Knee: Osteotomy 4

01-24-1 Evaluation of the factor that influenced talocrural joint in high tibial osteotomy
Department of Orthopedic Surgery, Osaka Medical College, Osaka, Japan
Tomohiko Murakami

01-24-2 Short-term clinical results of distal femur osteotomy for valgus knee deformity
Dept. of Orthopaedic Surgery
Hiroshi Nakayama

01-24-3 Comparative analysis of change in rotational alignment after double level osteotomy and opening wedge high tibial osteotomy
Department of Orthopaedic Surgery, Hyogo college of Medicine
Ryo Kanto

01-24-4 Comparison of Mid-term Clinical Results Between Hybrid CWHTO and Tibial Condylar Valgus Osteotomy for Patients with Kellgren-Laerence grade 4 Osteoarthritis.
Dept. of Orthop. Surg., Akita University, Graduate School of Medicine
Hidetomo Saito

01-24-5 Around Knee Osteotomy for Post-traumatic Severe OA
Zenshukai Hospital Gunma Sports Medicine Research Center
Keiichi Hagiwara

01-24-6 Transition of joint-line convergence angle and limb alignment after double level osteotomy for severe varus knee deformity
Dept. of Orthopaedic Surgery
Hiroshi Nakayama

01-24-7 The effect of double level osteotomy of the knee on patellar position
Dept. of Orthop. Surg., Hyogo College of Medicine, Hyogo, Japan
Kazuhiro Murayama

14:30 - 15:30 Oral 25

Knee: Osteotomy 5

01-25-1 Examination of tilting angle of lower leg during gait after OWHTO
Department of Physical Therapy, Joint Surgical Center, Kaisei General Hospital, Kagawa, Japan
Hiroaki Muramoto

01-25-2 Relationship between the FTA and knee varus angle during gait and gait characteristics at 6 month after opening high tibial osteotomy
Department of Physical Therapy, Joint Surgical Center, Kaisei General Hospital, Kagawa, Japan
Hiroshi Suzaki

01-25-3 Relationship between the medial proximal tibial angle and the correction angle in hemicallotasis for the medial osteoarthritis knee
Dept. of Orthop. Surg., Faculty of Life Sciences, Kumamoto University, Kumamoto, Japan
Eiichi Nakamura

01-25-4 Effects of hemicallotasis on the articular cartilage of the proximal tibiofibular joint based on the analysis using T1rho maaping MRI
Dept. of Orthop. Surg., Faculty of Life Sciences, Kumamoto University, Kumamoto, Japan
Eiichi Nakamura

01-25-5 Knee Arthroplasty following a Failed Open Wedge Osteotomy by Hemicallotasis
Fukuoka Ortopaedic Hospital
Shusaku Matsuda

01-25-6 Sports activity after open-wedge osteotomy of the proximal tibia with hemicallotasis
Dept. of Orthop. Surg., University of Kumamoto, Kumamoto, Japan
Tetsuro Masuda

01-25-7 Opening high tibial osteotomy on gait analysis
Dept. of Orthop. Surg.,Hyogo College of Medicine, Nishinomiya, Japan
Takatoshi Morooka
Knee: Osteonecrosis

Moderator: Yasukazu Yonetani

O1-26-1 Two cases of daily teriparatide therapy for spontaneous osteonecrosis of the knee
Department of Orthopaedic Surgery, Tane General Hospital, Osaka, Japan
Kazuhiro Uenaka

O1-26-2 Clinical outcomes of osteochondral autograft transplantation for large osteonecrosis of the femoral condyle
Department of Orthopaedic Surgery, National Hospital Organization Kyoto Medical Center, Kyoto, Japan
Hiromitsu Yabumoto

O1-26-3 Effects on the second-look findings after osteochondral autograft transfer (OAT) combined with open wedge high tibial osteotomy (OWHTO); the differences between spontaneous osteonecrosis of the knee (SONK) and medial knee OA.
Dept. of Orthopedic Surgery, National Hospital Organization Kyoto Medical Center
Shogo Mukai

O1-26-4 Clinical Outcome of the mobile type unicompartmental knee replacement for spontaneous osteonecrosis of the knee
Dept. of Orthop. Surg., Suita Municipal Hospital
Masayuki Hiratsuka

O1-26-5 The influence of the posterior root tear of medial meniscus to the anterior knee instability
Fukuoka Orthopaedic Hospital
Eiji Yoshimoto

Room 9 (2F 201+202)

Knee: Tumor and Related Diseases

Moderator: Hisatada Hiraoka

O1-27-1 Ganglion cyst derived from cruciate ligament of the knee
Dept. of Orthop. Surg., Mazda Hospital, Hiroshima, Japan
Atsushi Okuhara

O1-27-2 Localized Pigmented Villonodular Synovitis: a Study of 5 cases
National Hospital Organization Kofu National Hospital
Shinya Senga

O1-27-3 Two cases of lipoma arborescens of the knee joint
Department of Orthopaedics/Rheumatology, Nagoya University Graduate School of Medicine
Yusuke Kawamura

O1-27-4 Endoscopic Treatment of Hemorrhagic Prepatellar Bursitis-A Case Report and Review of Literature-
Dept. of Rehabilitation, Matsudo Rehabilitation Hospital, Chiba, Japan
Naoki Ramoto

O1-27-5 Relationship between Wall of Popliteal Cyst and Connection of Cyst to Joint Cavity.
Dept. of Orthop. Surg, Shin-Kaminokawa Hospital, Tochigi, Japan
Hitoshi Sekiya

Knee: TKA Complication, Evaluation and Case Report

Moderator: Ryuji Nagamine

O1-28-1 Arthroscopic Treatment of Hematoma after Total Knee Arthroplasty
Dept. of Orthop. Surg, Shin-Kaminokawa Hospital, Tochigi, Japan
Hitoshi Sekiya

O1-28-2 The study of oxidative degradation in the various types of tibial inserts retrieved after total knee arthroplasty
Dept. of Orthop. Surg., Mie Univ., Mie, Japan
Shine Tone
O1-28-3 Popliteal Artery position analysis in flexed knee by oval-shaped gantry MRI analysis
Center for Stem Cell and Regenerative Medicine., Tokyo Medical and Dental University, Tokyo, Japan
Koji Otabe

O1-28-4 The risk factors of the infection of total knee replacement in single institution
Dept. of Orthop. Surg., Akita University Graduate school of Medicine, Akita, Japan
/ Akita Sports, Arthroscopy, and Knee Group (ASAKG)
Hiroaki Kijima

O1-28-5 Ultrasonographic Evaluation of Patellar Tendons in Knees Following Total Knee Arthroplasty
Dept. of Orthop. Surg., Hannan Chuo Hospital, Osaka, Japan
Takashi Kanamoto

O1-28-6 Analysis of surgical time in staged bilateral total knee arthroplasty.-Investigation using
plain radiograph during first-time surgery on one side-
Dept. of Orthop. Surg., University of Gunma, Gunma, Japan
/ Gunma Chuo Hospital
Shogo Hashimoto

O1-28-7 Bilateral total knee arthroplasty for multiple epiphyseal dysplasia with an accompanying
seronegative RA: a case report
Dept. of Orthop. Surg., Iwata City Hospital, Shizuoka, Japan
Junichirou Sarukawa


Knee: ACL Evaluation 1
Moderator : Akira Maeda

O1-29-1 Evaluation Method of shear wave elastography for tendon graft in ACL Reconstruction
Dept. of Orthop. Surg., Juntendo University Urayasu Hospital, Urayasu, Japan
Yoshiaki Itoigawa

O1-29-2 The Location of Bone Plug Inserted to the tibia in revision Anatomic Rectangular Tunnel
ACL Reconstruction with a Bone Patellar Tendon Bone Graft
Dept. of Orthop. Sports Medicine, Seifu Hospital, Osaka, Japan
Ryohei Uchida

O1-29-3 Posterior shift of patella tendon graft immediately after rectangular BTB ACL reconstruction
Dept. of Orthop. Surg., Nissay Hospital, Osaka, Japan
Kazutaka Takahashi

O1-29-4 Ultra-sonographic Study on Femur-tibia relationship following ACL reconstruction:
BTB vs. Hamstring Tendon Graft
Department of Physical Therapy, Faculty of Health Science,
Osaka Yukioka College of Health Science, Osaka, Japan
Takayuki Matsuo

O1-29-5 Study of the changes in Graft Diameter and Area after ACL Reconstruction using BTB graft
Shindo Hospital
Masaaki Shindo

O1-29-6 Anterior Tibial Subluxation Measured by MRI before and after Anterior Cruciate Ligament
Reconstruction.
Dept. of Orthop. Surg., MITSUBISHI NAGOYA hospital, Aichi, Japan
Motoshige Nakashima

O1-29-7 A comparison of the evaluation methods for the tunnel position on ACL reconstruction
between the conventional quadrant method and the new reference using the lateral
intercondylar ridge
Dept. of Orthop. Surg., Asahikawa Medical University, Asahikawa, Japan
Yusuke Sasaki

14:30 - 15:10 Oral 30 p.341-p.342

Knee: PF 1
Moderator : Nobuyuki Kumahashi

O1-30-1 Outcome of medial patellofemoral ligament reconstruction based on graft tension change
and anatomy
Dept. of Orthop. Surg., Tokyo Medical and Dental University
Hiroki Katagiri
O1-30-2 Results of MPFL Reconstruction and Roux-Goldthwait Procedure for Severe Patellar Dislocation
Gunma Sports Medicine Research Center, Zenshukai Hospital, Gunma, Japan Kosuke Suzuki

O1-30-3 Clinical outcome of MPFL reconstruction for elderly patients with recurrent patellar dislocation.
Department of Rehabilitation Medicine Nozomi Sato

O1-30-4 A Case Report: Repair for Avulsion Fracture at the Patellar Attachment of the MPFL with a Congenital Risk of Patellar Dislocation
Department of Orthopedics, Osaka Red Cross Hospital Naoki Morimoto

O1-30-5 New reconstruction of the medial patellofemoral ligament using medial patellar retinaculum and transfer of the tibial tubercle for the treatment of permanent dislocation of the patella: A case report
Dept. of Orthop. Surg., University of Osaka Medical College, Osaka, Japan Hideyuki Hayami

O1-31-1 Analysis of the patella height in patients with recurrent dislocation of the patella using 3D model
Dept. of Orthopaedic Sports Medicine, Kansai Rosai Hospital, Hyogo, Japan Masashi Kusano

O1-31-2 Significance of TTTG and patella height in patellar dislocation cases
Dept. of Orthop. Surg., Toho University Sakura Medical Center, Sakura, Japan Koichi Nakagawa

O1-31-3 Patella height measured by modified Miura-Kawamura method using tibial posterior cortex
Akita Kosei Medical Center, Akita, Japan Chie Sato

O1-31-4 Examination of the patients who has positive apprehension sign after surgery for recurrent patellar dislocation
Dept. of Orthop. Surg., University of Nagoya, Aichi, Japan Hideki Hiraiwa

O1-31-5 Clinical outcome and return to sports after surgical treatment for patellofemoral instability
Dept. of Orthop. Surg., Hirosaki University Graduate School of Medicine, Aomori, Japan Yuka Kimura

O1-31-6 Correlation between medial patellofemoral arthritis and rotation of the lower limb
Orthop. Surg., Nippon Medical School, Graduate School of Medicine Tatsunori Kataoka

Knee: PF 2
Moderator: Kojiro Okahashi

P1-1-1 Improvement of operative technique in suture for posterior root tears of the medial meniscus
Fukuoka Orthopaedic Hospital Masahiro Matsuda

P1-1-2 Pullout Repair of the Medial Meniscus Posterior Root Tear Can Inhibit the Progress of the Medial Meniscus Extrusion
Department of Orthopaedic Surgery, Okayama University Graduate School, Okayama, Japan Yusuke Kamatsuki

P1-1-3 Pullout Fixation of posterior Medial Meniscus Root Tears
Dept. of Orthop. Surg., Fukuoka University Chikushi Hospital Tomohiro Nomura
P1-1-1 Arthroscopic Surgery for Posterior Root Tear of the Medial Meniscus: Resection of the Medial Intercondylar Wall is Effective for Good Intraoperative Visualization.
Dept. of Orthop. Surg., Ashiya Chuo Hospital, Kitakyusyu, Japan  Shinsuke Sakoda

P1-1-5 Medial meniscus repair accompanied with anterior cruciate ligament reconstruction reduces the posterior extrusion of the medial meniscus: An open MRI assessment.
Department of Orthopaedic Surgery, University of Okayama, Okayama, Japan  Yoshiki Okazaki

P1-1-6 Evaluation of the tibial tunnel position in pullout repair for the medial meniscus posterior root tear
Dept. of Orthop Surg., Okayama University Graduate School  Takayuki Furumatsu

P1-1-7 MRI Evaluation before and after Medial Meniscal repair with Anterior Cruciate Ligament Reconstruction
Department of Orthopedic Surgery, Toyota Memorial Hospital  Shin Oiwa

P1-1-8 Arthroscopic Centralization of Medial Meniscus Extrusion-Surgical technique and advantages
Department of Orthopaedics Surgery (Ohashi), School of Medicine, Toho University  Yuta Mochizuki

16:30 - 17:05 ePoster2  p.348-p.350
Knee: Meniscus Case Report 1
[Monitor Number : 2]
Moderator : Yuji Yamamoto

P1-2-1 A case of cyst at anterior horn after lateral meniscus tear
Department of Orthopedic Surgery, Rakusai Shimizu Hospital  Taichi Komatsu

P1-2-2 Two cases of meniscus cyst.
Dept. of Orthop.Surg., Dokkyo University school of medicine, Tochigi Japan  Takaafumi Chiba

P1-2-3 A case report of the meniscal cyst in a child
Dept. of Orthop. Surg., Iwate Prefectural Miyako Hospital, Miyako, Japan  Hirotaka Takahashi

P1-2-4 Ring-shape medial meniscus: a case report
National Hospital Organization Kofu National Hospital  Tomoyuki Ashizawa

P1-2-5 Ring-Shaped Lateral Meniscus: Report of three cases
Dept. of Orthop. S urge., Isehara Kyodo Hospital  Kazuya Kaneda

P1-2-6 Bilateral Discoid Medial Menisci Causing Locking of Knees -Seven Years of Follow up-
Dept. of Orthop. Surgery, Kashiwakoue General Hospital, Chiba, Japan.  Tomotoshi Ono

P1-2-7 Arthroscopic partial meniscectomy of discoid medial meniscus in young female: A case report
Mitsui Memorial Hospital, Tokyo, Japan / Kanto Rosai Hospital  Tomofumi Kage

16:30 - 17:10 ePoster3  p.351-p.353
Knee: Meniscus Evaluation and Outcome
[Monitor Number : 3]
Moderator : Yoshitsugu Takeda

P1-3-1 Clinical results of Isolated lateral Meniscus Repair
Dept. of Orthop. Surg., Akita University, Graduate School of Medicine  Hidetomo Saito

P1-3-2 A new method for improved meniscus repair using platelet-rich fibrin and platelet-rich plasma - 2nd report-
Kemmochi Orthopedic Surgery Sports Clinic, KOSSMOS Medical Corporation, Gunma, Japan  Masahiko Kemmochi

P1-3-3 Results of Meniscectomy in Patients over 75 years
Dept. of Orthop. Surg., Ichihara Hospital, Tsukuba, Japan  Yuji Samejima
P1-3-1 Examination of Lateral Meniscus Anterior Horn Tear  
Funabashi Orthopedic Hospital, Sports Medicine and Joint Center, Chiba, Japan  
Tatsuya Takahashi

P1-3-5 Arthroscopic surgery of isolated meniscal tears in athletes  
Dept. of Orthop. Surg., Meiwa Hospital, Hyogo, Japan  
Akio Matsumoto

P1-3-6 The evaluation of Medial Meniscus Extrusion using an Echography  
Dept. of Orthop. Surg., Kasugai Municipal Hospital, Aichi, Japan  
Tsuyoshi Hamada

P1-3-7 Operative indication for arthroscopic partial meniscectomy in patients over 40 years old.  
Joint Replacement Center, Ogori Daiichi General Hosp.  
Hiroshi Fujii

P1-3-8 A Study of Factors Associated with the Laterality of Meniscal Tears  
AR-Ex Oyamadai Orthopedic Clinic Tokyo Arthroscopy Center  
Chihiro Fukutome

16:30 - 17:05 ePoster4  
Knee: Osteotomy 1

P1-4-1 Alignment changes in patellofemoral joint after closing wedge high tibial osteotomy  
Zenshukai Hospital Gunma Sports Medicine Resarch Center  
Qizhong Chang

P1-4-2 Will over 95 degree of MPTA after HTO make worse in the future?  
Dept. of Orthop. Surg., Koshigaya Municipal Hospital, Saitama, Japan  
Mitsuaki Kubota

P1-4-3 Changes in leg length before and after OWHTO  
Department of Joint Surgery, Kaisei Hospital, Sakaide city, Kagawa, Japan /  
Department of Joint Surgery, Kaisei Hospital, Kaisei city, Kagawa, Japan  
Junko Sakai

P1-4-4 Relationship between Pre- and Postoperative Medial Proximal Tibial Angle, Femorotibial Angle, and Joint Line Congruence Angle in High Tibial Osteotomy  
Hiroshi Yamagiwa

P1-4-5 Assessment of the Joint Line Convergence Angle change after High Tibial Osteotomy  
Chutoen General Medical Center  
Tomoya Komatsu

P1-4-6 What is proper alignment after OWHTO for early stage OA?  
Dept. of Orthop. Nippon Kokan Fukuyama Hospital  
Yasuhiro Takahara

P1-4-7 The influence of the JLCA on the postoperative alignment in open wedge high tibial osteotomy.  
Department of Orthopaedic Surgery and Reconstructive Surgery,  
Toyama Municipal Hospital, Toyama, Japan  
Kenichi Goshima

16:30 - 17:05 ePoster5  
Knee: Osteotomy 3

P1-5-1 Relationship between clinical outcome, postoperative MRI and radiography evaluation after Tibia Condylar Valgus Osteotomy(TCVO)  
Tsuruta Orthopaedic Clinic  
Takahiko Aoyagi

P1-5-2 Characteristics of short term postoperative course of Tibial Condylar Valgus Osteotomy  
Tsuruta orthopedic clinic  
Shota Arakaki

P1-5-3 Assessment of improvement of lateral thrust in patients with medial knee osteoarthritis after tibial condylar valgus osteotomy (TCVO)  
Department of Rehabilitation Medicine, Akita University Hospital, Akita, Japan  
Kimio Saito
**P1-5-1** Patient-Based Outcomes after Tibial Condylar Valgus Osteotomy  
Dept. of Orthop. Surg., Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan  
Akihiko Yonekura

**P1-5-5** Tibial Joint Deformity and Joint Instability in Osteoarthritis of the Knee - the Study of Indication for TCVO -  
Funabashi Orthopaedic Hospital  
Taishi Ninomiya

**P1-5-6** Clinical outcomes and radiographic evaluation of High Tibial Osteotomy and Tibial Condylar Valgus Osteotomy  
Dept. of Locomotive Rehabilitation Science, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan  
Hironobu Koseki

**P1-5-7** Effect of an opening-wedge osteotomy of proximal tibia with hemicallotasis on fibular head height  
Dept. of Orthop. Surg., University of Kumamoto, Kumamoto, Japan  
Soichiro Yamabe

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**16:30 - 17:05 ePoster6**  
Knee: Osteotomy 5  
[Monitor Number : 6]  
Moderator: Hiroyuki Ishikawa

**P1-6-1** Relationship between posterior tibial slope and opening gap ratio in opening wedge high tibial osteotomy  
Department of Orthopaedic Surgery, Frist Towakai Hospital  
Kuniaki Ikeda

**P1-6-2** Opening Wedge High Tibial Osteotomy for Patients with posterior horn meniscus injury  
Dept. of Orthop. Surg., University of Fukuoka, Fukuoka, Japan  
Takahiko Kiyama

**P1-6-3** Short-term clinical outcome of medial open-wedge high tibial osteotomy combined with medial meniscus centralization for medial compartment OA  
Dept. of Orthop. Surg., Tokyo Medical and Dental University, Tokyo, Japan  
Masafumi Horie

**P1-6-4** Recovery process of motor function after high tibial osteotomy considered from preoperative lower limb alignment  
Rehabilitation Division, Kyokuto Hospital of Okayama, Okayama, Japan  
Keiichi Inohara

**P1-6-5** Walking ability after Opening wedge high tibial osteotomy  
Dept. of Orthop. Surg., Minato Redcross Hospital, Yokohama, Japan  
Hiroshi Asano

**P1-6-6** The return to sports activities After Opening Wedge High Tibial Osteotomy  
Dept. of Orthop., Kawasaki Saiwai Hospital, Kanagawa, Japan  
Jun Hara

**P1-6-7** Comparison of lower limb muscle strength, walking speed, pain in the 2 years after operation of Opening wedge HTO and Hybrid closed wedge HTO  
Department of Rehabilitation, Yokosuka City Hospital  
Natsumi Kumotani

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**16:30 - 17:10 ePoster7**  
Knee: Osteotomy 7  
[Monitor Number : 7]  
Moderator: Tsutomu Takizawa

**P1-7-1** Effect of low-intensity pulsed ultrasound on bone healing at osteotomy sites after open wedge high tibial osteotomy  
Department of Orthopaedic Surgery and Reconstructive Surgery, Toyama Municipal Hospital, Toyama, Japan  
Kenichi Goshima

**P1-7-2** Outcome of Low-Intensity Pulsed Ultrasound (LIPUS) for Opening Wedge High Tibial Osteotomy  
Dept. of Orthopedic Surgery, Doai Memorial Hospital, Tokyo, Japan  
Ryusuke Saito
P1-7-3  A Case of early bone healing in open-wedge high tibial osteotomy by autogenous bone graft from anteromedial part of opening osteotomy section
Dept. of Orthop. Surg, Minobusan Hospital  Hideki Kamijou

P1-7-4  Evaluation of Bone Replacement and Bone Formation after Opening Wedge High Tibial Osteotomy
Department of Orthopedic Surgery, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan  Naoya Kikuchi

P1-7-5  Evaluation of Cartilage Regeneration after Opening Wedge High Tibial Osteotomy
Department of Orthopaedic Surgery, Surgical Science, Tokai University School of Medicine, Kanagawa, Japan / Department of Orthopaedic Surgery, Ebina General Hospital, Kanagawa, Japan  Tomonori Takagaki

P1-7-6  Evaluation of the patellofemoral cartilage after medial opening wedge high tibial osteotomy; comparison between a short plate and a long plate
Department of Rehabilitation, Yokohama Tsurumi Sports & Knee Joint Center, Sasaki Hospital  Rena Hamuro

P1-7-7  Analysis of osteoarthritic change in the PF joint after osteochondral autograft transfer combined with open wedge high tibial osteotomy
Dept. of Ortho. Surg., National Hospital Organization Kyoto Medical Center  Akiko Miwa

P1-7-8  Short-term findings after open wedge HTO with autologous osteochondral transplantation: Adoptable for medial gonarthrosis complicated by chondral lesion of lateral femoral condyle
Dept. of Orthop. Surg., Okayama Kyokuto Hospital  Masamichi Yokoyama

16:30 - 17:00  ePoster8  p.366-p.367
Knee: OA Conservative Treatment  [Monitor Number : 8]  Moderator : Takashi Ohsawa

P1-8-1  The effects of highly-bioavailable curcumin for treating knee osteoarthritis
Dept. of Orthop. Surg. National Hospital Organization Kyoto Medical Center  Yasuaki Nakagawa

P1-8-2  Shoe Insole Treatment for Osteoarthritis of Knee FTA can correct by Shoe Insole
Non Profit Organization of Orthotics Society  Toshihiko Uchida

P1-8-3  Development of load-reduction knee brace The 3rd report: Load-reduction effect of its improved prototype
Institute for Integrated Sports Medicine, Keio University, Tokyo, JAPAN / Faculty of Science and Technology, Department of Engineering and Applied Sciences, Sophia University, Tokyo, Japan  Noriyuki Hisamori

P1-8-4  Efficacy and acute inflammatory reactions of first injection of sodium hyaluronate with cross-linked forms (Synvisc) in knee osteoarthritis
Dept. of Orthop. Surg., Nihonkai General Hospital, Yamagata, Japan  Daichiro Takahara

P1-8-5  Immediate effects due to intervention in the Adductor canal for knee osteoarthritis by ultrasound
Tsukamoto. Orthopaedic. Clinic  Satoshi Fujita

P1-8-6  The relationship between tenderness and treatment period in knee osteoarthritis
Tokyo Joint Surgery Center Akishima Orthopaedic Surgery  Masayo Hayakawa
16:30 - 17:10  ePoster9  p.368-p.370

Knee: PF 1  

P1.9-1  A Case Report of Recurrent Patellar Dislocation with Ehlers-Danlos syndrome  
  Dept. of Orthop. Surg, Jichi Medical University Hospital, Tochigi, Japan  
  Yuji Kanaya  

P1.9-2  Association between X-ray finding and MRI findings in patellofemoral joint of knee osteoarthritis  
  Dept. of Orthopaedic surgery, Tokyo Rosai Hospital., Tokyo, JAPAN  
  Koju Hayashi  

P1.9-3  Alternation of patellar height between ranges of knee flexion angle in OA  
  Department of Orthopedic Surgery, Osaka Medical College, Osaka, Japan  
  Tomohiko Murakami  

P1.9-4  Total knee arthroplasty without reduction in osteoarthritis with permanent dislocation of the patella after trauma, a case report  
  Orthop. Surg., Toyooka Daiichi Hospital, Saitama, Japan  
  Kohei Tamura  

P1.9-5  A case of TKA for patella subluxation after revision THA  
  Dept. of Orthop. Surg., Himeji Red Cross Hospital, Hyogo, Japan  
  Ryo Miyazaki  

P1.9-6  Bipartite patella being painful after trauma with gout. A case report.  
  Dept. of Orthop. Surg., Tokyo Womens Medical University Yachiyo Medical Center, Chiba, Japan.  
  Hiroto Taniguchi  

P1.9-7  Ultrasonography-assisted arthroscopic excision of a painful bipartite patella fragment: a case report  
  Dept. of Orthop. Surg., Asahi Hospital  
  Motomu Tsutsui  

P1.9-8  Patella dislocation and fracture treated with reconstruction of medial patellofemoral ligament and medial tibial tuberosity transfer - A case report  
  Dept. of Orthop. Surg., University of Showa Fujigaoka, Yokohama, Japan  
  Fumiyoshi Kawashima

16:30 - 17:05  ePoster10  p.371-p.373

Knee: Overuse  

P1.10-1  Case in which pain of Osgood’s disease disappeared as a result of plantar plate therapy taking into consideration the foot function and the metal part of the baseball spike  
  Wakita orthopaedics Dept. of rehabilitation  
  Keiji Sudou  

P1.10-2  Ultrasound for the Junior Soccer Players concerning with prevention of Osgood-Schlatter disease  
  Dept. of Orthopaedic Surgery, Sapporo Medical University / Sports medical center, Obihiro kyokai Hospital  
  Tomoaki Kamiya  

P1.10-3  Endoscopic resection of the ossicle and debridement of the tubercle: a case report  
  Dep. of Sports Medicine and Science, Faculty of Human Health, Kurume University / Dep. of Orthopaedic Surgery, Chikugo City Hospital  
  Takashi Inoue  

P1.10-4  Open tenotomy for chronic patellar tendinopathy for Japanese soccer player.  
  Dept. of Orthop. Surg., Tokyo Medical University, Tokyo, Japan  
  Ryo Matsunaga  

P1.10-5  Analysis of low-invasive local split-thickness lengthening surgery for iliobibial band friction syndrome  
  Department of Orthopaedics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan  
  Hiroaki Inoue
**P1-10-6** Relationship between tenderness and infrapatellar fat pad of patellar tendinopathy  
Tokyo Joint Surgery Center Akishima Orthopaedic Surgery  
Ayano Yamashita

**P1-10-7** A case report; Conservative treatment bilateral juvenile osteochondritis dessecans on a succor player  
Dept. of Orthop. Surg., Tane General Hospital, Osaka, Japan  
Kenichi Matsumura

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16:30 - 17:10 ePoster11  

**Knee: Fracture 1**  

[Monitor Number : 11]  

Moderator : Sadafumi Ichinohe

**P1-11-1** Biomechanical Study on The Osteoporotic Distal Femur C2 Type Fractures Fixed with Locking Plates Under Cyclic Loding  
Department of Orthopedics, E-Da Hospital, Taiwan  
Chih-Kun Hsiao

**P1-11-2** Clinical Outcome of Surgery for Tibia Plateau Fractures, Shatzkter type 4, 5, 6  
Orthop. Surg., Komaki city hospital  
Jiro Kato

**P1-11-3** Surgical treatment of femoral medial condyle fracture with proximal-lateral plate of tibial ja-toride sogo hospital, Ibaraki, Japan  
Hiromichi Aoyama

**P1-11-4** A case of Anterior Ligament Rupture Combined with Lateral Tibial Plateau Fracture  
Dept. of Orthop. Surg., Kano General Hospital, Osaka, Japan  
Shuhei Oda

**P1-11-5** Open reduction for treatment of tibia plateau fractures with linear window  
Dept. of Orthop. Surg., Shizuoka City Shimizu Hospital, Shizuoka, Japan  
Kentaro Kikuchi

**P1-11-6** A Clinical experience of Floating Knee complicated by Medial Collateral Ligament Injury  
Ise Municipal General Hospital  
Shunsuke Owa

**P1-11-7** Surgical Treatment for Patella Fractures after Total Knee Arthroplasty, Report of 3 Cases  
Department of Orthopaedic Surgery. Nishichita General Hospital, Tokai, Japan  
Osamu Ito

**P1-11-8** Simultaneous Avulsion of Femoral and Tibial Origins of Anterior Cruciate Ligament in A Twelve-Year-Old Boy An Arthroscopic Surgical Case Report  
Dept. of Orthop. Surg., National Hospital Organization Kure Medical Center and Chugoku Cancer Center  
Shingo Ohkawa

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16:30 - 17:00 ePoster12  

**Knee: Osteonecrosis**  

[Monitor Number : 12]  

Moderator : Tadashi Yasuda

**P1-12-1** Osteonecrosis and insufficiency fracture in the knee joint successfully treated with teriparatide : Report of three cases  
Keishin Orthopaedic Clinic, Tokyo, Japan  
Tomoyuki Abe

**P1-12-2** Iliac Bone Graft for Steroid-Induced Osteonecrosis of the Femoral Condyle  
Dept. of Orthop. Surg., Faculty. of Life Sciences., Kumamoto University, Kumamoto, Japan  
Nobukazu Okamoto

**P1-12-3** Clinical outcomes of the osteochondral autograft transplantation combined with high tibial osteotomy in patients with spontaneous osteonecrosis of the medial femoral condyle  
Department of Orthopedic Surgery, Local Independent Administrative Institution, Mie Prefectural General Medical Center, Mie, Japan  
Takuya Kakimoto

**P1-12-4** Clinical results of opening wedge high tibial osteotomy for spontaneous osteonecrosis of the knee  
Dept. of Orthop. Surg., Yao Municipal Hospital, Osaka, Japan  
Kunihiro Hiramatsu
P1-12-5  Joint preserved treatment for severe patellofemoral osteoarthritis and osteonecrosis of the medial femoral condyle: A case report  
Ortop. Surg, Mazda Hospital, Hiroshima, Japan  
Shunya Tsuji

P1-12-6  Treatment of bone marrow edema syndrome of the knee in the elderly with teriparatide  
Department of Orthopaedic Surgery, Omonomachi Medical Center, Naha city, Japan  
Kazuhiro Okuda

16:30 - 17:10  ePoster13  
P1-13-1  Improvement of Locomotive Syndrome after Total Knee Arthroplasty.  
Dept. of Orthop. Surg., University of Kanazawa, Ishikawa, Japan  
Tomoharu Takagi

P1-13-2  The relationship between tenderness and the X-ray in knee osteoarthritis  
The relationship between tenderness and the X-ray in knee osteoarthritis  
Masayo Hayakawa

P1-13-3  Effect of medial shift of the tibial articular surface on FTA value in knees with medial OA  
Center of Artificial Joint and Rheumatism, Fukuoka Tokushui Medical Center  
Ryuji Nagamine

P1-13-4  Does bone morphology of the distal femur vary with grade in osteoarthritis knees?  
Variation of the posterior condyle based on transepicondylar axis  
Midori Orthopaedic Clinic  
Toru Yoshioka

P1-13-5  Relationship between spinal alignment and resting standing balance in knee osteoarthritis patients  
Dept. of Physical Therapy School of Nursing and Rehabilitation Sciences, Showa University, Yokohama, Japan  
Shohei Kawakami

P1-13-6  Relationship between anesthesia and preoperative knee flexion range difference and pain  
Department of physical therapy joint Surgery center, Kaisei Hospital, Kagawa, Japan  
Shinnosuke Hada

16:30 - 17:10  ePoster14  
P1-14-1  The 3 Cases with the Difficulties of Range of Motion Exercise After Autologous Chondrocyte Implantation in the Knee Joint  
Dept. of Orthop. Surg., Fukuoka University, Fukuoka, Japan  
Akiho Eguchi

P1-14-2  Two case reports with different outcomes in Juvenile Osteochondritis Dissecans of the Knee  
Dept. of Orthop. Surg., Matsuyama Red Cross Hospital, Matsuyama, Japan  
Kunihiko Watamori

P1-14-3  Tomosynthesis was useful in assessment of Two cases of revision total knee arthroplasty performed more than twenty years before  
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| P1-15-3 | Effects of Diabetes Mellitus on Clinical Outcomes and Cuff Integrity after Arthroscopic Rotator Cuff Repair | Department of Orthopaedic Surgery, Tokushima Red Cross Hospital, Japan | Yoshitsugu Takeda |
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| P1-15-5 | Result of arthroscopic rotator cuff repair of patients with rotator cuff tears with neuropathic pain | Dept. of Orthop. Surg., Faculty of Life Sciences, Kumamoto University, Kumamoto, Japan | Tatsuki Karasugi |
| P1-15-6 | Clinical outcomes of Arthroscopic rotator cuff repair in patients aged 75 years or older. | Dept. of Orthop.Surg., Kyoto Kuijo Hospital, Kyoto, Japan | Tadahiko Yotsumoto |
| P1-15-7 | Effect of Rotator Cuff Release in Arthroscopic Rotator Cuff Repair | Department of orthopaedic surgery, Graduate school of medical and dental sciences, Kagoshima University | Hideyasu Kaieda |
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Department of Knee/Shoulder Surgery and Sports Medicine, Kyoto Shimogamo Hospital
Masahiko Kobayashi

P1-16-2 Middle term outcome of arthroscopic partial repair for irreparable rotator cuff tear
Asabu Orthopaedic Hospital
Toshiaki Hirose

P1-16-3 The results of arthroscopic partial repair of irreparable massive rotator cuff tears-the effect of defect sizes after repair-
Hitsujigaoka Hospital
Yuichiro Yamada

P1-16-4 The learning curve of arthroscopic rotator cuff repair using suture bridge technique
Dept. of Orthop Surg., Sapporo Medical University School of Medicine, Hokkaido, Japan
Takayuki Dohke

P1-16-5 Relationship between preoperation and 3 months after arthroscopic rotator cuff repair on QOL and ROM
Mitsubishi Nagoya Hospital Dept. of rehabilitation
Akihiro Kondo

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Dept. of Orthop. Surg., Sapporo Medical University, Sapporo, Japan
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P1-16-7 Biceps Labrum Complex (BLC) injury concomitant of rotator cuff tear
Dept. of Orthop. Surg., Hitsujigaoka Hospital
Masayuki Abe

P1-16-8 Evaluation of biceps tenotomy in rotator cuff repair using patient-based scoring tool
Dept. of Orthop. Surg. Fukushima Rosai Hospital
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Department of Rehabilitation, Fukui General Hospital, Fukui, Japan
Yoshitomo Saiki

P1-17-2 Shoulder manipulation under ultrasound guided cervical nerve root 5 and 6 block for frozen shoulder
Dept. of Orthop.Surg., Aichi medical university
Ryosuke Takahashi

P1-17-3 The evaluation of our 300 cases in arthroscopic shoulder surgery under regional anesthesia
Dept. of Orthop. Surg.,Kurashiki central hospital
Kazumasa Takayama

P1-17-4 Comparison between Steroid intravenous administration using and cocktail injection using for Arthroscopic rotator cuff repair under brachial plexus block
Department of Orthopaedic Surgery, Kouseiren Takaoka Hospital
Shumpei Okamoto

P1-17-5 Comparison of the postoperative effect between two different dose of single injection in brachial plexus block during shoulder arthroscopic surgery
North Sendai Orthopaedic Clinic／Sendai Pain Clinic Center
Nanae Watabiki

P1-17-6 Comparison of flow volume by the gravity and pomp perfusion in arthroscopic rotator cuff repair
Dept. of Orthop. Surg., Takai Hospital, Osaka, Japan
Naohiko Higuchi

P1-17-7 Development of the Abduction Brace Which Can Take a Bath for the Shoulder Joint Disease
Dept. of Orthop. Surg., Hokuto Hospital
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Dept. of Orthop. Surg., St. Luke’s International Hospital, Tokyo, Japan  
Masayoshi Saito

P1-18-2 Irreducibility glenohumeral subluxation caused by interposition of the subscapularis : Case report.  
Department of Orthopaedic Surgery, Chiba Aoba Municipal Hospital.  
Takeshi Yamaguchi

P1-18-3 A Case of American Football Player after Arthroscopic Bankart Repair with Remplissage for Bilateral Shoulder Dislocation.  
AR-Ex Oyamadai Orthopedic Clinic Tokyo Arthroscopy Center, Tokyo, Japan  
Michihiisa Aoyama

P1-18-4 Therapeutic experience of reconstruction for deficiency of MGHL in young age  
Hospital of Orthopedics of Ryusou  
Yusuke Kusaka

P1-18-5 A case that the patient’s premenstrual syndrome might have a certain effect on the transition of the shoulder symptom from instability to contracture.  
Dept. of Orthop. Surg., Kyoto University, Kyoto, Japan  
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P1-18-6 Arthroscopic superior posterior capsule reconstruction to massive rotator cuff tear ; A report of three cases  
Dept. of Orthop. Surg., Osaka red cross hospital, Osaka, Japan  
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P1-18-7 Arthroscopic Superior Capsular Reconstruction for Massive Rotator Cuff Tear  
Dept. of Orthop. Surg., Takashimadaira Chuo General Hosp., Tokyo, Japan  
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Sports: Muscle and Tendon 1

P1-19-1 Relationship between shoulder external rotational muscle strength and shoulder, trunk and hip rotation after pitching  
Dept. of Rehab., KKR Hokuriku hospital, Ishikawa, Japan  
Yuhei Sakai

P1-19-2 Quantitative evaluation by using ultrasonic elastography for the muscular rigidity change by manipulative therapy  
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Yohei Tanikake

P1-19-3 The correlations between performance and muscle strength of quadriceps or hamstrings  
Sport & arthroscopy center, Hanna Central hospital, Nara, Japan  
Junji Inoue

P1-19-4 Influence of Hopping on the Achilles Tendon Striating-Long-term intervention for three months-  
Suginoshita Orthopedic Clinic  
Takeshi Akimoto

P1-19-5 Evaluation of Achilles Tendon Rupture Using 3-Dimensional Computed Tomography  
Dept. of Orthop. Surg., University of Hiroshima, Hiroshima, Japan  
Masahiro Yoshikawa

P1-19-6 Analysis of the new abductor hallucis muscle exercise  
Sport & Arthroscopy Center, Hanna Central Hospital, Nara, Japan  
Hayato Satake

P1-19-7 Evaluation of elasticity of soft tissue by Color Doppler Shear Wave Imaging  
Dept. of Orthop. Surg., Jichi Medical University Hospital, Tochigi, Japan  
Yuji Kanaya
Extracorporeal shockwave therapy in musculoskeletal disorders
Department of Orthopaedic Surgery, Fukushima Medical University of Medicine, Fukushima, Japan
Takahiro Igari

A survey report on baseball elbow examination for youth baseball players in Yokohama-shi Aoba-ku
Dept. of Rehab., Yokohama General Hospital / Aoba junior baseball league KATAHIJIYOBOU committee
Ryutaro Yamashita

Incidence and features of numbness after throwing a baseball - from the result of medical checkup for youth baseball players in Tochigi-
Dept. of Orthop. Surg., Jichi Medical University, Tochigi, Japan
Hiroo Nakajima

Study of throwing injuries in high school baseball players in Ishikawa prefecture
Dept. of Rehab., KKR Hokuriku hospital, Ishikawa, Japan
Koshi Shimizu

Longitudinal study of the relationship between symptoms and images of the medial part of elbow in the later childhood baseball.
Dept. of Orthop. Surg., Fuji Orthopedic Hospital, Shizuoka Japan
Yuma Kubota

Physical Checkup for Throwing Injuries in Growing Phase - Physical Characteristics of Reinjuries-
Hiratsuka Orthopaedic Clinic, Kenseikai, Saitama, Japan
Yuichi Usami

Characteristics of the shoulder joint range of motion of elementary school baseball players with disabilities in the shoulder and elbow joints - One year longitudinal study
Faculty of Rehabilitation, Shijonawate Gakuen University, Osaka, Japan /
Human Environmentology Graduate Course, Osaka Sangyo University graduate school
Kazuaki Kinoshita

Evaluation of sensory disturbance during throwing caused in the dominant arm of junior high school baseball players ~Comparison between rubber balls or regular baseballs~
Dept. of Orthop. Surg., University of Jichi, Tochigi, Japan
Takuya Yamanaka

The trunk function which influences a pitch obstacle shoulder of top handball player
~About the mobility~
Department of Rehabilitation, Hamawaki Orthopedic hospital
Motoyoshi Kurosawa

Incidence and tendency of injury in elite level mixed martial arts competitions.
Dept. of Orthopaedic surgery, Tokyo Rosai Hospital, Tokyo, JAPAN /
Dept of Orthopaedic Surgery, Juntendo University School of Medicine, Tokyo, JAPAN
Shinnosuke Hada

Injury surveillance on women’s collegiate football team
Dept. of Orthop. Surg., Seirei Sakura Citizen Hospital
Yuta Muramatsu

Football Injuries Occurring in a J-league Team in One Season
Dept. of Orthop. Surg., Iwate Medical University, Morioka, Japan
Shinya Oikawa

Experiences of The SUMO Wrestler’s sports injuries.
Sonoda Joint Replacement Center Hospital
Kazutaka Sugimoto
P1-21-5  Survey report of emergency cases in swimming club
Dept. of Sports Science, Kanazawa Seiryo University, Ishikawa, JAPAN / Japan Swimming Club Association
Tetsuhito Okuda

P1-21-6  Analysis of trauma at Ritto training center
Department of Orthopaedics, Saiseikai Siga Hospital
Shigeki Hayashi

P1-21-7  Epidemiology of knee, ankle, and foot pain in young soccer players
Dept. of Orthop. Surg., University of Tokushima, Tokushima, Japan
Toshiyuki Iwame

P1-21-8  Futsal Injuries: Incidence and Characteristics
Dept. of Orthop. Surg., Juntendo University Urayasu Hospital, Chiba, Japan
Keiichi Yoshida

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Sports: Stress Fracture 1
[Monitor Number : 22]
Moderator : Shinji Isomoto

P1-22-1  Non-operative Treatment for Stress Fracture of the Patella in a Handball Player: A Case Report
Department of Orthopaedic Surgery, Iwate Medical University, Iwate, Japan
Eri Saeki

P1-22-2  Characteristics of MRI in Stress Fracture of Tibia
Medical Center, Japan Institute of Sports Sciences, Tokyo, Japan
Naoko Fukuda

P1-22-3  Screw fixation under hindfoot endoscopy for talar stress fracture in long distance runner
Ageo Central General Hospital
Yuki Makino

P1-22-4  Surgical treatment for Jones Fracture in our institutions
Department of Orthopaedics, Juntendo Nerima Hospital
So Kameda

P1-22-5  Can MRI Detect the Initial Phase of Stress Injury of the Cuboid Bone?
Dept. of Orthop. Surg., Tokyo Teishin Hospital
Shuji Okinaga

P1-22-6  A case of stress refracture of Tarsal Navicular treated by surgery
Department of Orthopaedic Surgery, Showa University Koto Toyosu Hospital / Department of Orthopaedic Surgery, Showa University Fujigaoka Hospital
Yuto Murakami

P1-22-7  The investigation of the multiple bone stress injury of the foot in elementary and junior high school student
JIN Orthopedics Sports Clinic, Saitama, JAPAN
Takuya Serata

P1-22-8  Accuracy of Fifth metatarsal lateral deviation angle in Jones fracture of American football player
Taichi Komatsu

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[Monitor Number : 23]
Moderator : Hideyuki Kawabata

P1-23-1  Reconstruction of Chronic Achilles tendon rupture caused by badminton with Achilles Midsubstance SpeedBridge technique: a case report
Dept. of Orthop. Surg., Takagi Hospital, Nagoya, Japan / Maehara Orthopaedic rehabilitation clinic
Kuniji Ohara

P1-23-2  Our treatment of closed dislocation of the ankle without malleolar fracture
Dept. of Orthop. Surg., Iwate Medical University, Morioka, Japan
Atsushi Sugawara

P1-23-3  Distal tibiofibular syndesmosis injury of a high school sumo wrestler who was treated with screw and ZipTight: A case report.
Dept. of Orthop. Surg., Naha City Hospital, Okinawa, Japan
Goichi Ohkara
Open rupture of the lateral ligaments of the ankle in a basketball player: a case report
Dept. of Orthop. Surg., Kurobe City Hospital, Toyama, Japan
Manabu Arai

Talar head fracture in a professional baseball player: A case report
Dept. of Sports Medicine
Nobuto Kitamura

Chronic talonavicular joint dislocation fracture: a case report
Dept. Orthop. Surg., St Luke’s International Hospital, Tokyo, Japan
Kentaro Amaha

Lateral Compartment Syndrome of the Leg in a Collegiate Soccer Player: A Case Report
Dept. of Orthop. Surg., Uji Takeda Hospital, Kyoto, Japan
Atsuhiko Yoshida

Simultaneous Surgeries of the Arthroscopic ACL and ATFL Reconstruction: A Case Report
Department of orthopedic Surgery Kitasato University School of Medicine
Kyoko Muneshige

Therapeutic Experience of PELD Interlaminar and Transforaminal Approach for Multiple Lumbar Disc Herniation
Center for spinal surgery, Nippon Koukan Hospital, Kawasaki, Japan
Takeshi Hori

Does PEL surpass MEL?
AR-Ex spine clinic
Kiyoshi Yoshihara

Percutaneous Endoscopic Translaminar Approach for Herniated Nucleus Pulposus in the Hidden Zone of Lumbar Spine
Asaog general hospital spine center, Kawasaki, Japan
Takahiro Funato

Percutaneous Endoscopic Debridement and Drainage in Infectious Spondylitis w/wo Percutaneous Pedicle Screwing.
Center for Spinal Surgery, Nippon Koukan Hospital
Koichiro Ono

Whether lateral lumber interbody fusion with unilateral percutaneous pedicle screw will achieve stability or not? Evaluation by CT
Iwai Orthopaedic Medical Hospital
Mikihiro Kondo

Reduction of tibiofibular syndesmosis in ankle malleolar fractures -Comparison between positioning screw and suture-button device-
Department of Orthopaedic Surgery, Chiba University Graduate School of Medicine, Japan
Seiji Kimura

Arthroscopic Double-bundle reconstruction technique in the treatments for chronic injuries of anterior talofibular ligament
Department of Orthopaedics and Sports Medicine, West China Hospital, Sichuan University, China
Gang Chen

Biomechanical characteristics of Ankle Ligaments
Dept. of Orthop. Surg., university of Dokkyo medical koshigaya hospital, saitama, japan
Makoto Tateura

Clinical outcomes of arthroscopic anterior talofibular ligament repair: Case series
Dept. of Orthop. Surg., Shimane University Faculty of Medicine, Shimane, Japan
Shinji Imade
P1-25-5 Arthroscopic Anterior Talo-Tibial Ligament Reconstruction using a Autogenous Gracilis Tendon: A case report
Dept. of Orth. Surg., Kitasato Univ. School of Medicine, Sagamihara, Japan / Dept. of Orth. Surg., Fujio Orthopaedics Surgery Hospital
Reiji Higashiyama

P1-25-6 Arthroscopic Remnant-partially-repaired ATFL Reconstruction (ARRAR) using an Allogenic Iliotibial Tract: A case report
Dept. of Orth. Surg., Kitasato Univ. School of Medicine, Sagamihara, Japan
Reiji Higashiyama

P1-25-7 Arthroscopic Lateral Ankle Ligament Repair with Knotless Anchors
Dept. of Orthop. Surg., Kobe University Graduate School of Medicine, Kobe, Japan
Noriyuki Kanzaki

P1-25-8 Clinical outcome of Arthroscopic Brostrom for lateral instability of the ankle with Os subfibulare
Department of Orthopaedic Surgery, Nishio municipal hospital
Akira Takamatsu

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Ankle: Tendon Injury and Others
[Monitor Number : 26]
Moderator : Takashi Ogiuchi

P1-26-1 A Case Report, Recurrent Dislocation of Peroneal Tendon Associated with Ganglion of Posterolateral Ankle Joint
Dept. of Orthop. Surg. & Joint Surgery center, Kurume University Medical Center, Fukuoka, Japan
Yuhei Esaki

P1-26-2 Tendoscopic Modified Das De Procedure and Peroneal Groove Deepening for Dislocation of the Peroneal Tendon: A case report
Dept. of Orthop. Surg., Kitasato Univ.
Kousuke Inoue

P1-26-3 Tendoscopic Modified Das De Procedure and Hindfoot Endoscopic Peroneal Groove Deepening for the Peroneal Tendon Dislocation: A case report
Dept. of Orthop. Surg., University of Kitasato, Kanagawa, Japan
Takeshi Kusuhara

P1-26-4 A Case Report of The New Technical Method for Insertional Achilles Tendinopathy-Suture Bridge Technique Combined with Percutaneous Achilles Repair System-
Dept. of Orthop. Surg., University of Kobe, Kobe, Japan
Kazuyuki Ibaraki

P1-26-5 Two cases of Achilles tendon reconstruction using hamstring
Orthopedics, Kasugai Municipal Hospital
Hiroaki Fukushima

P1-26-6 Outcome for achilles tendon ruptures at our hospital
Furano kyoukai hospital
Keisuke Matsukura

P1-26-7 Repair of Acute Achilles Tendon Rupture with Achilles Midsubstance SpeedBridge Technique
Dept. of Orthop. Surg., Hiraka General Hospital
Shuichi Chida

P1-26-8 A Case Report of Dislocation of the Posterior Tibial Tendon in a Female Dancer with Operation of Endoscopic
Taketoshi Seino

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Knee: Meniscus Discoid Lateral
[Monitor Number : 1]
Moderator : Takayuki Furumatsu

P1-27-1 Mid-term results of Arthroscopic treatment for symptomatic discoid meniscus in children compared to adult patients.
Department of Orthopaedic Surgery, Wakamatsu Hospital for UOEH, Japan
Yasuho Ohnishi
The characteristics of inverted lateral discoid meniscus tears: A case series
Dept. of Orthop. Surg., Kanazawa University Hospital, Ishikawa, Japan  Kengo Shimozaki

A Case of Meniscal Reconstruction after Total Menisectomy of Discoid Lateral Meniscus
Dept. of Ortho. Surg., Nihon Kokan Hosp.  Takuya Ohno

Repair of a Radial Tear in the Middle Horn of the Lateral Meniscus using Tie-grip Suture
Dept. of Orthop. Surg. Iwate Medical University, Iwate, Japan  Goro Tajima

All inside-joint repair for meniscus tear around popliteal recess
Yukioka Hospital, Osaka, Japan  Seira Sato

Autogenous tendon meniscus replacement for Osteoarthritis Knee after lateral meniscectomy
Dept. of Orthopaedic Surgery and Sports Medicine, Kawasaki Medical School  Kazuki Shimamoto

A new all-inside repair method for radial tear of the lateral meniscus
Japanese Red Cross Narita Hospital  Hiroko Hoshi

Case report: Bilateral medial meniscus bucket handle tear without ligament injury

A case report of HTO and repair of posterior root tear of the meniscus
Dept. of Orthop. Surg., Nozaki-higashi hospital  Takeshi Kojima

A case of peroneal nerve palsy caused by lateral meniscus suture
Sports Medical Center, Keiyo Orthopaedic Hospital  Masaki Shimizu

A Case Report: Hypermobile Lateral Meniscus Diagnosed by Arthroscopy after Arthrography and Computed Tomography Considering a History of Pacemaker Implantation
Dept. of Orthop. Surg., Kikugawa General Hospital, Shizuoka, Japan  Hatsumi Ichinose

Anomalous Insertion of the Anterior Horn of the Medial Meniscus: A Case Series of Seven Patients
Dept. of Orthop. Surg., International University of Health and Welfare, Mita Hospital, Tokyo, Japan  Masaki Nagashima

A case report of medial meniscal revision using the fibrin clot for the retear of the medial meniscus retear
Department of Orthopaedic Surgery, Komaki City Hospital  Kaneaki Tawada

The Treatment of Pyogenic Arthritis of the Knee Joint
Dept. of Orthop. Surg., Hekinan Municipal Hospital, Aichi, Japan  Hiroyuki Matsubara

Clinical outcomes of septic arthritis of the knee joints-comparison between cases with and without continuous irrigation-
Dept. of Orthop Surg., Saitama Medical University, Saitama, Japan  Nobuhiko Okada

A case of pyogenic knee arthritis caused by Mycoplasma hominis developed in the immunocompetent patient
Dept. of Orthop., Juntendo Univ Urayasu Hosp  Jun Takeda
P1-29-1  A case-report of the pyogenic knee arthritis caused by Streptococcus milleri, after total knee arthroplasty on the contralateral knee  
Dept. of Orthop. Surg., Aino Memorial Hospital, Nagasaki, Japan  Takeshi Miyaji

P1-29-5  Treatment of infected TKA and UKA -Effects of early debridement and combination use of antibiotics-  
Dept. of Orhop. Surg., Kawasaki Medical School  Kimihiko Makiyama

P1-29-6  Haematogenous epiphyseal acute and subacute osteomyelitis of the distal femur in children  
Dept. of Orthop. Surg., Fukushima Medical University, Fukushima, Japan  Hironori Numazaki

P1-29-7  A case of distal femoral fracture after total knee arthroplasty treated by Masquelet methods  
Dept. of Orthop. Surg., Saiseikai Utsunomiya Hospital, Tochigi, Japan  Shigeki Nagura

P1-29-8  A case of the late-onset infection with rare bacteria which occurred after a patellar open fracture operation  
NHO Higashihiroshima Medical Center  Hiroki Kaneta

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Knee: Osteotomy 2  
[Monitor Number : 4]  
Moderator : Takaaki Tanaka

P1-30-1  The Effect of Postoperative Weight Bearing Protocol on Early Surgical Outcomes following Open Wedge High Tibial Osteotomy  
Department of Physical Medicine and Rehabilitation, Hyogo College of Medicine College Hospital, Hyogo, Japan  Takaafumi Mizuno

P1-30-2  Evaluation of the tibial medial plateau after open wedge high tibial osteotomy  
Dept. of Orthop. Surg., University of Fukuoka, Fukuoka, Japan  Tetsuro Ishimatsu

P1-30-3  The differences of clinical outcomes for the opening angle in the opening wedge high tibial osteotomy  
Dept. of Orthop. Surg., Matsuyma Shimin Hospital, Ehime, Japan  Ayato Miyamoto

P1-30-4  The effect of age at surgery on early functional recovery following open wedge high tibial osteotomy  
Department of Physical Medicine and Rehabilitation, Hyogo College of Medicine College Hospital, Hyogo, Japan  Shota Imamura

P1-30-5  Mid-Long Term Clinical Outcomes of Opening Wedge High Tibial Osteotomy for elderly patients with Medial Compartment Osteoarthritis  
Dept. of Orthop. Surg., University of Fukuoka, Fukuoka, Japan  Kazuhiro Saeki

P1-30-6  Clinical evaluation of opening wedge high tibial osteotomy for osteoarthritis of the knee in patients over 75 years  
Yokohama Tsurumi Sports & Knee Joint Center, Sasaki Hospital  Tatsuro Horinouchi

P1-30-7  Clinical results more than 5 years after open-wedge high tibial osteotomy.  
Mitoyo General Hospital  Yasuaki Tamaki

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Knee: Osteotomy 4  
[Monitor Number : 5]  
Moderator : Hidetomo Saitoh

P1-31-1  A case report of compartment syndrome after closed wedge high tibial osteotomy  
Dept. of Orthop. Surg, Yokohama City University School of Medicine, Yokohama, Japan  Yoshihiro Kusayama
P1-31-2 Short-term outcomes of high tibial osteotomy (Barrel-vault osteotomy) using internal fixation system in our hospital

Kura Hospital Uichi Nakamura

P1-31-3 The influence of arched high tibial osteotomy with internal fixation for severe medial gonarthrosis on patellofemoral joint

Dept. of Orthop. Surg., Saiseikai Nara Hospital, Nara, Japan Kensuke Okamura

P1-31-4 Radiological evaluation of hinge point in hybrid closed-wedge high tibial osteotomy

Dept. of Orthop. Surg., Kanazawa Medical University, Ishikawa, Japan Ryoji Tsuda

P1-31-5 Distal femoral biplanar valgus osteotomy for medial OA knee: A case report

Dept. of Orthop. Surg., Omutatenyo hospital, Omuta, Japan Tomohiro Horikawa

P1-31-6 Small tip for Distal femoral osteotomy to prevent hinge fracture

Toyokawa city hospital Hironari Haida

P1-31-7 Comparison of limb length after double level osteotomy and open wedge high tibial osteotomy using digital planning software measurement

Hyogo College of Medicine Hospital Makoto Kanto

P1-31-8 Popliteal artery injury with compartment syndrome as a complication of double level osteotomy

Dept. of Orthopaedic Surgery Hiroshi Nakayama

17:15 - 17:55 ePoster32 p.434-p.436

Knee: Osteotomy 6

Moderator: Noriyuki Gomi

P1-32-1 Correlation between MCL release and medial opening force in open wedge HTO

Dept. of Orthop. Surg., Niigata Central Hospital, Niigata, Japan Munenori Matsueda

P1-32-2 Effect of Treatment of Medial Collaterale Ligament on High Tibial Osteotomy

Dept. of Orthop. Surg., University of Saga, Saga, Japan Yohsuke Matsumura

P1-32-3 Influence of the Medial Soft Tissue Tightness following Opening Wedge High Tibial Osteotomy

Adult Reconstruction Surgery Center., Kyushu Rosai Hospital / Dept. of Orthop. Surg., Kyushu Rosai Hospital Tsutomu Kawano

P1-32-4 Morphologic planning of bone prosthetic material in Opening Wedge High Tibial Osteotomy

Dept. of Orthop. Surg., Soka Municipal Hospital Yutaka Kobayashi

P1-32-5 A Modified technique to improve the anterior bone contact in an open-wedge HTO

Fukuoka Mirai Hospital, Fukuoka, Japan Kei Osano

P1-32-6 Technique of Using Artificial Bone in Opening Wedge High Tibial Osteotomy

Dept. of Orthop. Surg., Nihonkokan Hospital, Kanagawa, Japan Shogo Fujita

P1-32-7 Where is the appropriate target for the lateral hinge in opening-wedge high tibial osteotomy?

Toyama municipal hospital Akira Nakanishi

P1-32-8 Condylar stabilizing technique on Opening-Wedge High Tibial Osteotomy with an anatomical tibial plate

Dept. of Orthop. Surg., Taku City Hospital, Saga, Japan Go Takayama

17:15 - 17:50 ePoster33 p.437-p.439

Knee: Osteotomy 8

Moderator: Hideya Kawamura

P1-33-1 Efficacy of local infiltration anesthesia for open wedge high tibial osteotomy

Dept. of Orthop. Surg., Yawata Medical Center, Ishikawa, Japan Ryuichi Nakamura
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<tr>
<td>P1-33-2</td>
<td>Simultaneous medial opening wedge high tibial osteotomy and Bi-Socket anterior cruciate ligament reconstruction for osteoarthritic knee with anterior cruciate ligament deficiency: a case report</td>
<td>Dept. of Orthop. Surg., Kyoto Kuno Hospital, Kyoto, Japan</td>
<td>Yoshiteru Kajikawa</td>
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<td>P1-33-3</td>
<td>Relationship between the installation position of the plate and the skin discomfort after opening-wedge high tibial osteotomy</td>
<td>Dept. of Orthop. Surg., KKR Hokuriku Hospital, Ishikawa, Japan</td>
<td>Yosuke Shima</td>
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<td>P1-33-4</td>
<td>The Fixation Stability of VS Osteotomy System for Medial Opening Wedge High Tibial Osteotomy</td>
<td>Dept. of Orthop. Surg., Ehime Seikyo Hospital, Ehime, Japan</td>
<td>Kazuki Morizane</td>
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<tr>
<td>P1-33-6</td>
<td>A Case of Symptomatic Pulmonary Embolism After implant removal surgery</td>
<td>Joint Surgery, Yokosuka city hospital</td>
<td>Katsunari Ohsawa</td>
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<td>P1-33-7</td>
<td>Infection After Open Wedge High Tibial Osteotomy: a Case of Successful Treatment without Implant Removal</td>
<td>Niigata Prefectural Central Hospital</td>
<td>Hiroki Hijikata</td>
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**Knee: Osteotomy 9**

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<tr>
<td>P1-34-1</td>
<td>Operative Treatment of Tibial Condylar Valgus Osteotomy Using Tris Plate</td>
<td>Dept. of Orthop. Surg., Chikamori Hospital, Kochi, Japan</td>
<td>Kiyoto Kinugasa</td>
</tr>
<tr>
<td>P1-34-2</td>
<td>Outcome of Tibial condylar values osteotomy for the post traumatic osteoarthritis of the knee</td>
<td>Dept. of Orthop. Surg., CHIKAMORI Hospital, Kochi, Japan</td>
<td>Yukinobu Nishii</td>
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<td>P1-34-3</td>
<td>Double level osteotomy with femur and tibia for severe medial OA knee: a case report</td>
<td>Dept. of Orthop. Surg., University of the rykuous, Okinawa, Japan</td>
<td>Hidetoshi Matsuda</td>
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<td>P1-34-4</td>
<td>Comparison of Muscle Strength after Double Level Osteotomy versus High Tibial Osteotomy.</td>
<td>Dept. of Orthop. Surg., Hyogo College of Medicine, Hyogo, Japan</td>
<td>Shintaro Onishi</td>
</tr>
<tr>
<td>P1-34-5</td>
<td>Clinical Outcome of Tibial condylar Valgus Osteotomy for End-Stage Knee Osteoarthritis</td>
<td>Dept. of Orthop. Surg., Chikamori Hospital, Kochi, Japan</td>
<td>Masanori Sannomiya</td>
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<td>P1-34-6</td>
<td>Experiences of acute arterial complications after TKA and OWHTO.</td>
<td>Dept. of Orthop. Surg., Fukuoka Rehabilitation Hospital, Fukuoka, Japan</td>
<td>Akira Fujiwara</td>
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<td>P1-34-7</td>
<td>Infections after high tibial osteotomy</td>
<td>Dept. of Orthop. Surg., University of Fukuoka, Fukuoka, Japan</td>
<td>Kotaro Miyazaki</td>
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**Knee: PF 2**

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<tr>
<td>P1-35-1</td>
<td>Return to sports after tibial tubercle transfer in Athletes</td>
<td>Dept. of Orthop. Surg., Fujisawa Shounandai Hospital, Kanagawa, Japan</td>
<td>Toru Omodani</td>
</tr>
<tr>
<td>P1-35-2</td>
<td>Clinical outcome of Patellofemoral Articular Cartilage defects with osteochondral autograft transplantation in the athlete</td>
<td>Dept. of Orthop. Surg., Tokyo Medical University, Tokyo, Japan</td>
<td>Takahisa Haraguchi</td>
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P1-33-3  Conservative treatment of acute patellar dislocation  
Dept. of Orthopaedic Surgery, Shimane University Faculty of Medicine  
Suguru Kuwata

P1-33-4  The surgical treatment for the lower patella pole fracture with Super Cable system  
Hino Municipal Hospital  
Katsuya Nagai

P1-33-5  MPFL Repair for Primary Patella Dislocation  
Dept. of Orthop. Surg., Enshu Hospital  
Daisuke Suzuki

P1-33-6  Repair of the osteochondral fragment and medial patello-femoral ligament for traumatic dislocation of the patella :a case report  
Heart life hospital  
Kazunobu Arakaki

P1-33-7  Analysis of early hemodynamics after MPFL reconstruction using MR angiography  
Dept. of Sports and Para-Sports Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine  
Yuji Arai

P1-33-8  Study on the length change of the graft after MPFL reconstruction  
Dept. of Orthop. Surg., Rinku General Medical Center  
Taihei Miura

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Knee: Tumor  
[Monitor Number : 10]  
Moderator : Hiroyuki Segawa

P1-36-1  5 cases of the tumors occured in the knee joint  
Dept. of Orthop.Surg., Yoneda Hospital, Nagoya  
Yoko Fukuyama

P1-36-2  Consideration of the total knee prosthesis for the distal femur giant cell tumor in our hospital  
Dept. of Orthop. Surg., Komagome hospital, Tokyo, Japan  
Yuki Ishibashi

P1-36-3  Tenosynovial giant cell tumor of the medial meniscus: A case report  
Dept. of Orthop. Surg., Shinsuma General Hospital, Kobe, Japan  
Yuichiro Nishizawa

P1-36-4  A Case Report of Synovial Osteochondromatosis Extended to Recessus Popliteus  
Dept. of Orthop. Surg., Nara Medical University, Nara, Japan  
Kazunori Tanaka

P1-36-5  An intraarticular mass invaginating into the patellofemoral joint  
Dept. of Orthop. Surg., Saitama Medical University, Saitama, Japan  
Kentaro Ito

P1-36-6  Arthroscopic resection of an osteochondroma of the knee joint: case report  
Department of Orthopedic Surgery, Graduate School of Medicine, Chiba University  
Kenji Kubota

P1-36-7  Hemarthrosis in acquired hemophilia. A case-report  
Dept. of Orthop. Surg., Keiyu Hosp., Yokohama, Japan  
Yu Iwama

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Knee: Fracture 2  
[Monitor Number : 11]  
Moderator : Hirotaka Shinjo

P1-37-1  Open reduction and internal fixation with posterior approach for non-union of coronal fracture of the femoral lateral condyle  
Dept. of Orthop. Surg.,Tane General Hospital, Osaka, Japan  
Hitomi Fujikawa

P1-37-2  A case report of posterolateral tibial plateau fracture operated by posterolateral surgical apporach.  
Dept. of Orthop Surg., Kyoto Kizugawa Hospital, Kyoto, Japan  
Naoyuki Horie

P1-37-3  Surgical treatment of locking plate for periprosthetic fracture after total knee arthroplasty  
Dept. of Orthop. Surg., Kagawa Prefectual Hospital, Kagawa, Japan  
Takeshi Yoshikawa
P1-37-1  A case report of anterior cruciate ligament avulsion fracture associated with tibial plateau fracture.
Dept. of Orthop. Surg., Oita Oka Hosp., Oita, Japan  Seiji Kamei

P1-37-5  Transosseous sutures for the lower pole fracture of the patella
Nagaoka Chuo General Hospital  Kazutaka Otani

P1-37-6  Dislocation of the proximal tibiofibular joint with the tibial shaft fracture - a report of two cases -
Medical Corporation Shindo Hospital /
Department of Orthopaedic Surgery, Surgical Science, Tokai University School of Medicine  Yoshiki Tani

P1-37-7  Treatment for avulsion fractures of patella
Izumi Orthopedics Hospital, Miyagi, Japan /
Dept. of Orthop. Surg., University of Yamagata, Yamagata, Japan  Takahiro Igarashi

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P1-38-1  Evaluation of Gap Formation after Patellar Tendon Repair in Porcine Model:
A Biomechanical Study
Department of Orthopedics, E-Da Hospital, Taiwan  Yi-Jung Tsai

P1-38-2  Revision of 3 cases Patella Tendon Rapture Without basal disease Using Leeds-Keio Ligament

P1-38-3  A Case Report of Patellar Tendon Rupture Repaired with Semitendinosus Tendon
Saiseikai Hiroshima Hospital, Hiroshima, Japan  Yohei Ito

Dept. of Orthop. Surg., Toyonaka Municipal Hospital, Osaka, Japan  Ritsuro Ozaki

P1-38-5  Quadriceps Tendon Rupture: 3 cases report
Department of Orthopaedic Surgery, Tokyo Metropolitan Hiroo Hospital  Ryu Kojima

P1-38-6  Reconstruction using artificial ligament for rupture of quadriceps tendon
Iwate Prefectural Isawa Hospital  Kotaro Fujino

P1-38-7  Bilateral quadriceps tendon ruptures caused by traffic trauma.
Dept. of Orthop. Surg., National Center for Global Health and Medicine, Tokyo, Japan  Kazumi Goto

P1-38-8  Symptomatic ossification of medial collateral ligament bursa of the knee: a case report.
Dept. of Orthop.Surg., Ogawa Red Cross Hospital, Japan  Hiroyuki Sekihata

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P1-39-1  Relation between knee OA deformity and gait, from a view point of the side difference, in
the community dwelling elderly people
Dept of Orthop Surg, National Center for Geriatrics and Gerontology  Yasumoto Matsui

P1-39-2  Early knee osteoarthritis in Japanese population
Dept. of Orthop. Surg., Tohoku University, Sendai, Japan  Atsushi Takahashi
P1-39-3 Kinematic/kinetic and electromyographic characteristics during stepping up activity in patients with osteoarthritic knees
Dept. of Physical Therapy, School of Rehab., Hyogo University of Health Sciences, Kobe, Japan
Rui Tsukagoshi

Dept. of Orthop. Surg., Gunma University Graduate School of Medicine, Maebashi, Gunma, Japan
Takuya Omodaka

P1-39-5 Relation between progress of knee pain, muscle mass, and bone density
Dept. of Orthop. Surg., University of Gunma, Gunma, Japan
Takashi Ohsawa

P1-39-6 Prediction score of knee pain from a 5-year longitudinal study -Nagahama study-
Dept. of Orthop. Surg., Kyoto Univ. Grad. School of Med., Kyoto, Japan
Hiromu Ito

P1-39-7 The association between incidence of knee osteoarthritis and knee symptoms: 5-year longitudinal study
Department of Orthopaedic Surgery, Hirosaki University Graduate School of Medicine, Hirosaki, Japan
Takashi Ohsawa

P1-39-8 Symptom of early osteoarthritist knee
The Department of Orthopaedic Surgery, Asahikawa Medical University, Asahikawa, Japan
Satomi Abe

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Knee: Case Report 2, Evaluation and Others

P1-40-1 Effect of Knee Arthroscopic Surgical Procedure Training by Virtual Reality Simulator
Department of Bone and Joint Surgery., Ehime University Graduate School of Medicine
Hiroshi Kiyomatsu

P1-40-2 New method of knee angle measurement with using smartphone application
Dept.of Orthop. Surg., National Hospital Organization, Higashihiroshima Medical Center, Higashihiroshima, Japan
Hayatoshi Shibuya

P1-40-3 Ultrasound-guided nerve block of the posterior branch of obturator nerve for arthroscopic knee surgery
Dept. of Orthop. Surg., Akita City Hospital, Akita, Japan
Masashi Fujii

P1-40-4 Intra-rater reliability and inter-rater reliability of heel height difference
Mitsubishi Nagoya Hospital Dept. of rehabilitation
Yui Masuoka

P1-40-5 The Effect of Arthroscopic Treatment of Postoperative Arthrofibrosis of the Knee Joint
Dept. of Orthop. Surg., Mitoyo Geberal Hospital, Kagawa, Japan
Kazumasa Inoue

P1-40-6 The effect of the tramadol hydrochloride and acetaminophen and celecoxib in combination after ACL reconstruction
Department of Orthopaedic Surgery Nagoya city East Medical Center, aichi, Japan
Yoshihiro Kanda

P1-40-7 A case of ruptured popliteal cyst that required differential diagnosis of various diseases
Dept. of Orthop. Surg., Ise Red Cross Hospital, Ise, Japan
Kazuto Nishimoto

P1-40-8 Gouty tophus at residual bone in Osgood-Schlatter disease; a case report
Department of Orthopedic Surgery, Enshu Hospital
Mitsuru Asukai
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| 17:15 - 17:55 | ePoster41            | **Shoulder: Rotator Cuff 2** [Monitor Number : 15] Moderator : Kenji Hayashida | P1-41-1 Arthroscopic Repair using Suture Anchors for Partial-thickness Rotator Cuff Tears  
Dept. of Orthop. Surg., Kobe University Graduate School of Medicine, Kobe, Japan  
Dept. of Orthop. Surg., Shinsuma General Hospital, Kobe, Japan  
Takeshi Kokubu  
P1-41-2 The interference of anchors in the formation of fluid after arthroscopic rotator cuff repair  
Dept. of Orthop. Surg., Niigata Central Hospital, Niigata, Japan  
Takashi Hayakawa  
P1-41-3 Comparison Between PEEK Anchor And Absorbable Anchor in Arthroscopic Rotator Cuff Repair  
Dept. of Orthop. Surg., University of Hiroshima, Hiroshima, Japan  
Ryosuke Matsushita  
P1-41-4 The Ultrasonographical Findings of Supraspinatus Tendon of the Patients Received Arthroscopic Rotator Cuff Repair  
Ueda Orthopedic Clinic Sports Arthroscopy Center  
Satoshi Kobayashi  
P1-41-5 The Irrigation Solution Consumption of Arthroscopic Rotator Cuff Repair  
Dept. of Orthop. Surg., Keio University School of Medicine, Tokyo, Japan  
Hideyuki Shirasawa  
P1-41-6 Consideration of operation time in arthroscopic rotator cuff repair  
Dept. of Orthop. Surg., Keio University School of medicine  
Yuhei Takada  
P1-41-7 Characteristic of the patients with residual symptom after arthroscopic rotator cuff repair  
Dept. of Rehab., KKR Hokusiku Hospital, Ishikawa, Japan  
Natsuki Watanabe  
P1-41-8 Clinical Results of Arthroscopic Surgery for Large Rotator Cuff Tear and Examination of the retear cases  
Dept. of Orthop. Surg., Yamatotakada City Hospital  
Ryohei Nikaido |
| 17:15 - 17:50 | ePoster42            | **Shoulder: Arthroplasty and Evaluation** [Monitor Number : 16] Moderator : Naoko Mizuno | P1-42-1 The learning curve of reverse shoulder arthroplasty  
Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine  
Yoohak Kim  
P1-42-2 Clinical result of reverse shoulder arthroplasty -comparision between Shoulder36 and JOA score-  
Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine  
Yoshihiro Hirakawa  
P1-42-3 Clinical outcomes of minimum 2-year followups in the cases of reverse shoulder arthroplasty  
Department of Orthopaedic Surgery, Kashiwara Municipal Hospital  
Yoshinobu Matsuda  
P1-42-4 Reverse Total Shoulder Arthroplasty in Patients Older Than 90 Years.  
Dept. of Orthop. Surg., University of Fukuoka, Fukuoka, Japan  
Terufumi Shibata  
P1-42-5 In-vivo glenohumeral ligament length during arm rotation in varying degrees of abduction  
Dept. of Orthop. Surg., Osaka University Graduate School of Medicine  
Wataru Sahara  
P1-42-6 Assessment of Subacromial Spur in Patients without Rotator Cuff Tears using 3DCT  
Dept. of Orthop. Surg., Chugoku Rosai Hospital  
Yoshihiro Nakamura  
P1-42-7 Evaluation of bone fragility of humerus and scapula using Finite Element Method(FEM)  
Dept. of Orthop. Surg., Jichi Medical University, Tochigi, Japan  
Yukinori Hayashi |
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Shoulder: Inflammatory and Infection  [Monitor Number : 17]
Moderator : Makoto Sasaki

P1-43-1  Arthroscopic Surgery for Rotator Cuff Calcific Tendinitis of the Shoulder
Department of Orthopaedic Surgery, Nippon Medical School Chiba Hokusoh Hospital
Kazumasa Abe

P1-43-2  Examination of the bacterial contamination of the suture in arthroscopic rotator cuff repair
Dept. of Orth. Surg., JCHO Osaka Hospital, Osaka, Japan
Ryuji Nishimoto

P1-43-3  Arthroscopic distal clavicle resection for acromioclavicular joint ganglion with skin fistula : A case report
Department of Orthopedic Surgery, Yokote Municipal Hospital
Kentaro Ohuchi

P1-43-4  Two cases of purulent shoulder arthritis without puncture on sepsis
Sapporo City General Hospital
Kazuhiro Uesugi

P1-43-5  Treatment of postoperative MRSA infection after open reduction and internal fixation of proximal humeral fracture using antibiotics-loaded hydroxyapatite blocks: a case report.
Saiseikai Wakayama Hospital, Wakayama, Japan
Ryo Taiji

17:15 - 17:55  ePoster44  p.469-p.471
Shoulder: Case Report 2  [Monitor Number : 18]
Moderator : Kazuya Inoue

P1-44-1  A Case Report: Arthroscopic Osteoplasty of the Shoulder Osteoarthritis
Funabashi Orthopedic Sports Medicine & Joint Center Shoulder & Elbow Service Funabashi, Japan
Yasutaka Takeuchi

P1-44-2  A Case of Combination of Subscapular Muscle Tendon Rupture and Biceps Head Long Head Tear Fracture in Traumatic Shoulder Labrum Injury
University of Occupational and Environmental Health, Fukuoka, Japan
Tomoya Arashi

P1-44-3  Arthroscopic Partial Bone Resection for Post-traumatic Ossification of the Coracoclavicular Ligament: A Case Report
Dept. of Orthop. Surg., Daito Central Hospital, Osaka, Japan
Yoshifumi Naka

P1-44-4  Arthroscopic surgery for paralabral cyst with supracapular nerve palsy : a case report.
Dept. of Orthop.Surg., Fukuyama City Hospital, Hiroshima, Japan
Kohei Sato

P1-44-5  A Case Report: Arthroscopic Treatment for Acromioclavicular Joint Cyst
Dept. of Orthop. Surg., Himeji St. Mary’s Hospital, Himeji
Isao Fujibayashi

P1-44-6  Arthroscopic Surgery for Synovial Osteochondromatosis in the Shoulder Joint and Distal Region around the Long Head of Biceps Tendon
Dept. of Orthop. Surg., Osaka Red Cross Hosp., Osaka, Japan
Takashi Suzuki

P1-44-7  Two cases of Osteochondromatosis occured around shoulder joint
Dept. of Orthop. Surg., Kamiida General Hospital
Takahiro Haga

P1-44-8  Arthroscopic release of shoulder contracture secondary to pseudarthrosis of the Clavicle A case report
Dept. of Orthop.Surg., Ichinomiya Nishi Hospital, Aichi, Japan
Tomoyuki Oosato
17:15 - 17:55 ePoster45 p.472-p.474
Sports: Muscle and Tendon 2

P1-45-1 A Case Report of Suturing for Old Rectus Femoris Laceration
Dept. of Orthop. Surg., Nippon Medical School, Tokyo, Japan
Yosuke Shinozuka

P1-45-2 Quadriceps hematoma with restriction of knee flexion in an athlete
Department of Orthopaedics Kochi Prefectural Hata Kenmin Hospital, Japan
Kyuichi Hashimoto

P1-45-3 A Case of Pulmonary Embolism after Repair of Quadriceps Tendon Rupture
Saiseikai Yokohamashi Nanbu Hospital Orthopaedic Surgery
Hiroshi Shimosawa

P1-45-4 Primary repair for knee extensor mechanism injuries by knotless suture using SwiveLock anchors and FiberTape: A case report.

P1-45-5 Tendinous scar formation of entire length of lateral gastrocnemius muscle after muscle strain in football players: Report of two cases
Dept. of Orthop. Surg., Fukushima Medical University School of Medicine, Fukushima, Japan
Yoichi Kaneuchi

17:15 - 17:50 ePoster46 p.475-p.477
Sports: Medical Checkup and Prevention 2

P1-46-1 A statistical comparison of medical check result in national athlete festival gymastics, rhythmic gymnastics, track and field athletes using check sheet
Okutsu Minimally Invasive Orthopaedic Clinic / Mejiro Orthopaedics and Internal Medicine Clinic
Ikki Hamanaka

P1-46-2 Medical check for the runners who did not finish the ultramarathon
Dept. of Orthop. Surg, Kochi Prefectural Hata Kenmin Hospital, Kochi, Japan
Junpei Dan

P1-46-3 The relationship between foot function and low back pain in high school basketball players
Nishikawa Orthopaedic Clinic
Takeshi Toyooka

P1-46-4 The relationship among CAT/HFT, the range of the hip motion and flexibility of lower extremities
Department of Orthopaedic surgery, Chita Kosei Hospital
Satoshi Takeuchi

P1-46-5 The correlations between lower extremity muscle co-contraction index, sagittal plane kinematics, and vertical ground reaction force during single-leg anterior jump-landing
Clinical Center for Sports Medicine and Sports Dentistry, Tokyo Medical and Dental University
Shunsuke Ohji

P1-46-6 Relationship between lower limb muscle strength and knee joint valgus angle during single leg landing motion - Focus on hip joint and knee joint muscle strength -
Graduate School of Health Science, Kio University, Nara, Japan / Dept. of Rehabil., Kashiba Asahigaoka Hospital, Nara, Japan
Takanari Bando
P1-46-7 Defense posture in handball
Dept. of Orthop. Surg., Toyama Prefectural Central Hospital, Toyama, Japan
Yoshinobu Maruhashi

17:15 - 17:45 ePoster47
Sports: Medical Checkup and Prevention 3
[Monitor Number : 21]
Moderator : Tomoharu Mochizuki

P1-47-1 Relationship of between foot alignment and jumping ability on handball players
Department of Rehabilitation, Hamawaki Orthopedic rehabilitation center
Masahiro Kondo

P1-47-2 Specificity in strength factors by sports category
Department of Rehabilitation, Kyoto Interdisciplinary Institute Hospital of Community Medicine
Ayaka Hashio

P1-47-3 The effect of hard knee brace on the ground reaction forces during single leg drop jump landing test
JCHO, Hoshigaoka Medical Center, Rehabilitation Department
Yuki Kin

P1-47-4 The Relationship between Peak Knee Valgus Moment and Rate of Force Development during a drop vertical jump task.
Rehabilitation center of hachioji sports orthopaedic clinic
Ryohei Ikuta

P1-47-5 Change with increasing age in trunk muscle strength in adolescent: 3-year prospective study
Department of Orthopaedic Surgery, Hirosaki University, Aomori, Japan
Shizuka Sasaki

P1-47-6 The influence by which the awareness of the pitching guideline gives to teams
Dept. of Rehabilitation, Katsushikaedogawa Hospital, Tokyo, Japan
Koji Wagatsuma

17:15 - 17:50 ePoster48
Sports: Stress Fracture 2
[Monitor Number : 22]
Moderator : So Kameda

P1-48-1 A Case of Patellar Dislocation and Tibial Plateau Fracture in a Soccer Player
Dept. of Orthop. Surg., Morioka Red Cross Hospital, Morioka, Iwate, Japan
Karen Tokunaga

P1-48-2 Stress fractures of upper extremity in the tennis players
Izumi Orthopedics Hospital, Miyagi, Japan
Dept. of Orthop. Surg., University of Yamagata, Yamagata, Japan
Takahiro Igarashi

P1-48-3 Treatment of stress fracture of the olecranon in a baseball player. A case report
Kitaharima Medical Center
Akiyoshi Mori

P1-48-4 The characteristics of supin muscle activity at Lumbar spondylolysis of Sports players
Dept. of Rehab. Sumiya Orthopedic Hospital, Wakayama, Japan
Shinya Kishi

P1-48-5 Clinical characteristic of the first rib stress fracture in baseball players
Dept. of Sports Medicine, Fukushima Medical University of Medicine / Department of Orthopaedics surgery, Southern Tohoku General Hospital
Takahiro Kaga

P1-48-6 Femoral neck stress fracture in junior high school track and field athlete : A case report
Mitsui Memorial Hospital, Tokyo, Japan / Kanto Rosai Hospital
Tomofumi Kage

P1-48-7 Evaluation of Female Athlete Triad and Our Approach to Prevention of Osteoporosis
Targeted at Adolescent Girls Having Stress Fractures
Dept. of Orthop. Surg., Urasoe General Hospital
Yoko Kawasoe
17:15 - 17:40  ePoster49  p.483-p.484

**Spine 2**

**P1-49-1** Recurrence of spondylolysis: Lumbar stress re-fracture of the closed arch
  Dept. of Orthop. Surg., Seirei Hamamatsu General Hospita, Shizuokaken, Japan
  Yoshimitsu Kobayashi

**P1-49-2** Stress fractures of the sacrum in children
  Miyazaki Nozaki Higashi Hospital
  Yukiko Saito

**P1-49-3** Low back pain due to Baasstrup disease which occurred for the lumbar stress caused by foot ball
  Spine Center, Orthopedic Department of Niigata Central Hospital
  Tomohiro Izumi

**P1-49-4** Time-profile of deep abdominal-muscle activation during upper-limb elevation in subjects with non-specific low back pain
  Faculty of health Sciences, Hokkaido University, Sapporo, Japan
  Satoshi Osuka

**P1-49-5** A Case of Bertolotti Syndrome in High School Volleyball Player
  Dept. of Orthop. Surg., Yamanashi Prefectural Central Hospital ,Yamanashi, Japan / The Department of Orthopaedics surgery, Juntendo University, Tokyo, Japan
  Ryo Sadatsuki

17:15 - 17:55  ePoster50  p.485-p.487

**Ankle: Cartilage, OA and Trauma**

**P1-50-1** Osteochondral autograft transplantation with open approach for large osteochondral lesion of talus: A case report.
  Dept. of Orthop. Surg., Yaizu municipal general Hospital, Shizuoka, Japan
  Junya Higuchi

**P1-50-2** A case of Biplane distal tibia oblique osteotomy for ankle osteoarthritis
  Dept. of Orthop. Surg., Yawata Medical Center, Ishikawa, Japan
  Masaki Takahashi

**P1-50-3** Simultaneous Bilateral Arthroscopic Resection of the Accessory Anterolateral Talar Facet for the Bilateral Talo-calcaneal Impingement: A Case Report
  Dept. of Orthop. Surg., University of Kitasato, Kanagawa, Japan
  Shoichiro Takei

**P1-50-4** Endoscopic treatment of posterior ankle impingement syndrome due to soft tissue: A report of 2 cases
  Dept. of Orthopaedic Surgery, Niigata Central Hospital, Niigata, Japan
  Hirokazu Okada

**P1-50-5** Stress fracture of the proximal phalanx of the great toe - a case report -
  Department of Orthopaedic Surgery, Hyogo Prefectural Nishinomiya Hospital, Japan
  Etsuo Shoda

**P1-50-6** Osteonecrosis of distal Tibia after internal fixation of displaced ankle fractures: Case report
  National Fukuoka-Higashi medical center
  Hirokazu Matsubara

**P1-50-7** A case of ScopicArthrodesis for ankle and subtalar Osteoarthropathy after obsolete Talus Fracture
  Niigata City General Hospital, Niigata, Japan
  Keiichiro Someya

**P1-50-8** Postoperative osteomyelitis of a calcaneal fracture treated by medulloscopy
  Dept. of Orthop. Surg., Tsuruoka Municipal Shonai Hospital, Tsuruoka, Japan
  Sho Hokari
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P1-51-1 Coordination between shank and rearfoot during running
Niigata university of health and welfare, Institute for human movement and medical science
Tomoya Takabayashi

P1-51-2 Treatment of Os peroneum disorder
Orthop Surg Kawasaki Univ School of Medicine
Yuki Hanai

P1-51-3 A Review of Our Arthroscopic Hallux Sesamoïdectomy
Dept. of Orthop. Surg., Yashio Central General Hospital, Saitama, Japan
Kenichiro Nakajima

P1-51-4 Arthroscopic Resection of Painful Ossicle of the Medial Malleolus
KITACHIBA Sports and Spine Clinic
Ryota Nagashima

P1-51-5 Withdrawn

P1-51-6 Trigger hallux to stenosing tenosynovitis of the flexor hallucis longus tendon with a ganglion:a case report
Dept. of Orthop. Surg., Tomidahama Hospital, Mie, Japan
Atsushi Nishihara

P1-51-7 Recurrent Intratendinous Ganglion in the Flexor Hallucis after Tendoscopic Excision of Longus Tendon: A Case Report
Dept. of Orthop. Surg., Sanmu Medical Center, Chiba, Japan
Jun Endo

P1-51-8 Arthroscopic sesamoïdectomy in management of chronic sesamoiditis-a case report-
Dept. of Orthop. Surg., Fuji Orthopedic Hospital, Shizuoka Japan
Takehiro Kijima