

Day 2 June 25 (Sat)

Day2 · Room 1 (PACIFICO YOKOHAMA, Conference Center 1F Main Hall)

Educational Lecture 4

(8 : 30~9 : 30)

Chair: M. Uesugi

- 2-1-EL4-1 Therapeutic strategy for the osteoporotic vertebral body fracture S9
Toho Univ. Ohashi Medical Center, Dept. of Orthop. Surg. Yoshiro Musha

Educational Lecture 5

(9 : 45~10 : 45)

Chair: K. Futamura

- 2-1-EL5-1 Lisfranc ligament injury: anatomic pathology and treatment S10
Dept. of Orthop. Surg., St. Marianna Univ. Yokohama Seibu Hosp. Naoki Haraguchi

Noontime Lecture 12

(12 : 00~13 : 00)

Chairs: T. Miyamoto
Y. Ueda

- 2-1-NL12-1 Learning from the past of tibial fracture treatment~ Advanced Strategy ~
..... S142
Orthop., Nagasaki Medical Center, Nagasaki, Japan Takashi Miyamoto
- 2-1-NL12-2 Learning from the past of tibial fracture treatment~ Advanced Strategy ~
..... S143
Emergency and Critical Care Medicine Center, Saitama Medical Center, Saitama Medical Univ. Faculty of
Medicine, Saitama, Japan Yasuhisa Ueda

Educational Lecture 6

(13 : 30~14 : 30)

Chair: K. Yamanaka

- 2-1-EL6-1 Several developed treatments of fracture repair
-Importance of early mobilization exercise to prevent contractures- S11
Ishiguro Orthop. Clinic, Odawara, Kanagawa, Japan Takashi Ishiguro

Educational Lecture 7

(14 : 50~15 : 50)

Chair: A. Sudo

- 2-1-EL7-1 Strategy of osteoporosis treatment for prevention of secondary fracture ... S12
Dept. of Orthop. Surg., Faculty of Medicine, The Univ. of Tokyo, Tokyo, Japan Sakae Tanaka

Invited Lecture 2

(16 : 35~17 : 35)

Chair: M. Yamada

2-1-IL2-1 How to treat sequeleas of humeral head fracture ? S5
Paris Shoulder Unit, France Philippe Valenti

Day2 • Room 2 (PACIFICO YOKOHAMA, Conference Center 5F 503)

Symposium 6 Treatment strategies for posterior malleolar fractures

(8 : 30~10 : 00)

Chairs: K. Sasajima
T. Matsumura

- 2-2-SY6-1 The therapeutic strategy for small posterior malleolar fractures associated with ankle malleolar fractures a retrospective case series S54
Orthop. Trauma Center, Shonan Kamakura General Hosp. Takashi Ogawa
- 2-2-SY6-2 Posterior Malleolar Fracture Morphology in Weber Type B Ankle Fractures by Haraguchi Classification S55
Dept. of Emergency Medical Center, Kagawa Prefectural Central Hosp., Kagawa, Japan
Kohei Iwamoto
- 2-2-SY6-3 Morphological analysis of intraarticular impacted fragments in posterior malleolar fractures of AO/OTA 44 category S56
Foot and Ankle Surg., Seirei Hamamatsu Hosp., Shizuoka, Japan Masanori Taki
- 2-2-SY6-4 Indication of internal fixation for posterior malleolar fractures in ankle fractures S57
Dept. of Orthop. Surg., CHIKAMORI Hosp., Kochi, Japan Yukinobu Nishii
- 2-2-SY6-5 Ankle Arthroscopy for Posterior Malleolar Fracture Reduction - Where to look from and how to manage? S58
Fukuoka Orthop. Hosp. Kohei Ishihara
- 2-2-SY6-6 Evaluation for syndesmotic instability combined with malleolar fractures of ankle using MRI S59
Dept. of Orthop. Surg., Fukuyama City Hosp., Hiroshima, Japan Chuji Terada

Day 2
Room 1

Day 2
Room 2

Panel Discussion 5 Extensive bone defect treatment strategies

(10 : 10~11 : 40)

**Chairs: T. Hoshi
Y. Tsuchida**

- 2-2-PD5-1 Examination of management for open fracture treated by flap transplantation and Masquelet method S94
Trauma Reconstruction Center, Shinyurigaoka General Hosp., Kanagawa, Japan Hironobu Konishi
- 2-2-PD5-6 Novel Finding of Masquelet technique in rat femoral critical sized bone model S95
Dept. of Orthop., Juntendo Univ. Urayasu Hosp. / Dept. of Medicine for Orthop. and Motor Organ, Juntendo Univ. Graduate School of Medicine Masao Suzuki
- 2-2-PD5-3 A case of open knee injury with large bony and soft tissue defect reconstructed with autologous tissue only S96
Dept. of Trauma Reconstruction Center, Shinyurigaoka General Hosp., Kanagawa, Japan Takahiko Nakano
- 2-2-PD5-4 Free vascularized fibula graft for the critical bone defect S97
Dept. of Musculoskeletal Traumatology and Reconstructive Surg., Hiroshima Univ., Hiroshima, Japan Yuta Hayashi
- 2-2-PD5-5 Indication and limitation of reconstruction for long bone defect cases using Masquelet method S98
The Dept. of Emergency Medicine and Extremities Trauma Center, Univ. of Occupational and Environmental Health, Japan Yukichi Zenke
- 2-2-PD5-2 Treatment of bone loss in severe open tibia fractures
- Is Masquelet technique a mainstay or not? - S99
Orthop. Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Kota Hayashi

Noontime Lecture 13

(12 : 00~13 : 00)

Chair: T. Noda

- 2-2-NL13-1 Innovative retrograde intramedullary nail fixation for distal femoral fractures S144
The Dept. of Orthop. Surg., Fukuyama City Hosp., Hiroshima, Japan Chuji Terada

AO Trauma Seminar

(13 : 30~14 : 30)

Chair: T. Sato

- 2-2-AO-1 Positive culture after a osteosynthesis: What to do? S14
Univ. of Leeds Peter Giannoudis

Panel Discussion 6 Review panel on early-stage surgery for hip fractures

(15 : 10~16 : 40)

**Chairs: Y. Watanabe
N. Takenaka**

- 2-2-PD6-1 Can proximal femoral fracture surgery within 48 hours reduce mortality? S100
Dept. of Orthop. Surg., Kohsei Chuou General Hosp., Tokyo, Japan Takahide Sunakawa
- 2-2-PD6-2 Perioperative mortality and complication rates for proximal femur fractures
..... S101
Kitakyushu General Hosp. Fukuoka, Japan Goki Hayashi
- 2-2-PD6-3 High level of red cell distribution width is poor prognosis of hip fracture S102
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan
Naoyuki Horie
- 2-2-PD6-4 The surgery within 48 hours after the injury in the proximal femoral fracture
reduces complications S103
Dept. of Orthop. Surg., Iga City General Hosp., Mie, Japan Kouji Kita
- 2-2-PD6-5 New approach to receive hip fracture in night time and holiday (the second
report) S104
Orthop. Surg., Nishiwaki Municipal Hosp., Hyogo, Japan Takahiro Fukazawa
- 2-2-PD6-6 Efforts to perform very early Total Hip Arthroplasty after hospitalization for
femoral neck fracture S105
Dept. of Orthop. Surg., Saiseikai Yokohama City Tobu Hosp.23, Yokohama, Japan
Ayakane Yamamoto

Day2 • Room 3 (PACIFICO YOKOHAMA, Conference Center 5F 501)

Symposium 7 Issues & treatment strategies for periprosthetic fractures

(8 : 30~10 : 00)

Chairs: T. Sato
H. Minehara

- 2-3-SY7-1 Examination of surgical treatment for Vancouver classification Pseudo AL, B2 and Baba classification 1A using finite element analysis S60
Dept. Orthop. Surg. Oyumino Central Hosp. / Dept. of Orthop. Surg., Eastern Chiba Medical Center
Takayuki Nakajima
- 2-3-SY7-2 Analysis of factors influencing the type and incidence of periprosthetic femoral fracture S61
The Dept. of Orthop. Surg., Saiseikaikumamoto Hosp., Kumamoto, Japan Yoshihisa Anraku
- 2-3-SY7-3 Treatment of periprosthetic fracture around cemented femoral component S62
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan
Kazufumi Hisamoto
- 2-3-SY7-4 Strategy and outcome of periprosthetic knee fractures S63
Dept. of Orthop. Surg., Sano Kinen Hosp., Osaka, Japan Suguru Nakamura
- 2-3-SY7-5 Treatment results of periprosthetic femoral fractures after total knee arthroplasty S64
Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Makoto Era
- 2-3-SY7-6 Insufficient fracture of medial tibial plateau after Oxford unicompartmental knee arthroplasty S65
Dept. of Orthop. Surg. and Joint Surg. Centre, Takatsuki General Hosp. Yukiko Mutaguchi

Symposium 8 Metastatic bone tumors (Impending fractures treatment)

(10 : 10~11 : 40)

Chairs: M. Yorimitsu
T. Nakayama

- 2-3-SY8-1 Prognostic factors for walking capacity after intramedullary nailing for femoral metastasis S66
Dept. of Orthop. Surg., Japanese Red Cross Kumamoto Hosp. / Dept. of International Medical Relief,
Japanese Red Cross Kumamoto Hosp. Takuya Shiroshita
- 2-3-SY8-2 Outcome of treatment for metastatic bone tumor of femur S67
Dept. of Orthop. Surg., School of Medicine, Jichi Medical Univ., Tochigi, Japan Shuhei Hiyama
- 2-3-SY8-3 A report of 3 cases of internal fixation and bone cement augmentation after focal curettage for metastatic bone tumor of acetabulum S68
Dept. of Orthop. Surg., Graduate School of Medicine, Kobe Japan Keisuke Oe
- 2-3-SY8-4 The efficacy of the aggressive liaison treatment for metastatic spinal tumor S69
The Dept. of Orthop. Surg., Japanese Red Cross Society Wakayama Medical Center, Wakayama, Japan
Yasuyuki Tamaki
- 2-3-SY8-5 Surgical treatment of proximal femur metastatic bone tumors S70
Dept. of Orthop. Surg., Okayama Univ., Okayama, Japan Kohei Sato

**Noontime Lecture 14 New Challenge for Femoral Trochanteric Fracture
- Redution and Fixation of Posterolateral Bone Fragment -**

(12 : 00~13 : 00)

Chair: E. Shoda

- 2-3-NL14-1 Fixation of the posterior large fragment of femoral trochanteric fracture S145
Showa Univ. Northern Yokohama Hosp. Masaya Yamaguchi
- 2-3-NL14-2 Clinical experience of new nail system for unstable trochanteric fractures
~Comparison with using posterior plate~ S146
The Dept. of Orthop. Surg., Kure Kyosai Hosp., Kure, Japan Hidefumi Teramoto

Video Session 1 Upper extremity

(13 : 20~14 : 20)

Chair: S. Yoshida

- 2-3-VS1-1 A novel reduction technique in supine for pediatric supracondylar fractures
Gartland type3;a retrospective case series S273
Orthop. Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Tatsuhiko Muraoka
- 2-3-VS1-2 Reconstruction of complex injuries of fingers using venous flap S273
Dept. of Trauma and Hand Microsurg. Center, Osaka Hosp. of Japan Sea Affairs and Relief
Association / Dept. of Advanced Medical Engineering, Shizuoka Institute of Science and Technology
Hiroyuki Gotani
- 2-3-VS1-3 Experience of using intraosseous wiring as an adjunctive fixation technique for
fracture repair of comminuted fractures S274
Dept. of Orthop. Surg., Showa Univ., Tokyo, Japan Sadaaki Tsutsui
- 2-3-VS1-4 Anterior approach for humeral proximal fracture S274
The Dept. Orthop. Surg., Mazda Hosp., Hiroshima, Japan Kazuhiko Kikugawa
- 2-3-VS1-5 Double Plate Holding Forceps Technique for volar displaced Distal Radius
Fractures S275
Dept. of Orthop. Surg., Showa Univ., Tokyo, Japan Sadaaki Tsutsui

Day 2
Room 3

Video Session 2 Upper extremity, lower extremity and spine

(14 : 25~15 : 25)

Chair: Y. Ishibashi

- 2-3-VS2-1 The method of anteromedial cortical support reduction in trochanteric fractures of the femur S275
The Dept. of Orthop. Surg., Itabashi Chuo Medical Center, Tokyo, Japan Takashi Hisatome
- 2-3-VS2-2 Surgical technique using Oblique Locking Hip Screw (OLHS) for trochanteric fracture S276
Dept. of Traumatology, Fukushima Medical Univ., Fukushima, Japan / Trauma & Reconstruction Center, Southern TOHOKU General Hosp., Fukushima, Japan Narutaka Katoh
- 2-3-VS2-3 Minimally invasive cervical spine stabilization by pedicle screw with new extender device S276
Fukuyama City Hosp. Dept. of Orthop. Surg. Ryu Tamura
- 2-3-VS2-4 Coraco-clavicular ligament repair using strong suture and suture buttons as a principal operative procedure for distal clavicular fractures S277
Dept. of Orthop. Surg., Saiseikei Utsunomiya Hosp., Tochigi, Japan Shohei Iwabu
- 2-3-VS2-5 Snowman suture method for clavicle fracture fixation S277
Dept. of Orthop., Juntendo Univ. Shizuoka Hosp. Shuichi Moriya

Japanese Society for Fracture Repair and Japan Orthopaedic Surgeons Association Co-sponsored Seminar

(15 : 30~16 : 30)

Chair: M. Kamata

- 2-3-TS-1 Treatment of proximal humeral fragility fractures S13
Sendai Tokushukai Hosp. Hisayoshi Inoue

Day2 • Room 4 (PACIFICO YOKOHAMA, Conference Center 5F 502)

Implant Committee Report Do you really know what locking screw is?

(8 : 00~9 : 00)

Chairs: S. Isefuku
S. Iwabu

- 2-4-IC-1 Questionnaire results of the locking mechanism of locking screw S22
Advanced Emergency and Critical Care Center, Niigata Univ., Medical & Dental Hosp., Niigata, Japan
Tomomi Fukuhara
- 2-4-IC-2 Locking mechanism of locking screw in locking plate..... S22
Dept. of Orthop. Surg., Okayama Saiseikai Hosp. Takeshi Doi
- 2-4-IC-3 Stabilizing mechanism of locking screw in intramedullary nail S22
Dept. of Orthop. Surg., Univ. Hosp. of Occupational and Environmental Health Yasuaki Okada

Social Insurance Committee Report

(9 : 05~10 : 05)

Chair: M. Tokunaga

- 2-4-SC-1 Activity of Japanese society for fracture repair social insurance
committee S23
Dept. of Traumatology FUKUSHIMA Medical Univ. ·
Trauma Center Southern TOHOKU General Hosp. Koriyama FUKUSHIMA, JAPAN ·
Institute for Neuroscience Nobuyuki Takenaka

Day 2
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Day 2
Room 4

Panel Discussion 7 Selection of treatment for proximal humerus fractures

(10 : 10~11 : 40)

**Chairs: M. Yamada
M. Kobayashi**

- 2-4-PD7-1 Comparison of postoperative results of proximal humerus fracture with comminuted tuberosity fracture: hemiarthroplasty vs reverse total shoulder arthroplasty S106
Dept. of Orthop. Surg., Surgical Science, Tokai Univ. School of Medicine, Kanagawa, Japan
Yoshiyasu Uchiayma
- 2-4-PD7-2 The clinical results of the plate fixation of 4-part proximal humeral fractures augmented with column-shaped HA-PLLA S107
Orthop. Trauma Center, Hyogo Prefectural Nishinomiya Hosp. Shimpei Kitada
- 2-4-PD7-3 Clinical results of reverse shoulder arthroplasty for the 4part proximal humeral fractures in elderly patients S108
Dept. of Orthop. Surg. of Yokohama Municipal Citizens Hosp., Yokohama, Japan Akihiro Nakazawa
- 2-4-PD7-4 Results of Stryker AxSOS Proximal Lateral Humerus Locking Plate System for proximal humerus fractures S109
The Dept. of Orthop. Surg., Okayama Saiseikai General Hosp. Atsuki Matsuda
- 2-4-PD7-5 Short term result of nailing with ENPA for proximal humeral fracture ... S110
The Dept. of Orthop. Surg., Univ. of Nagoya, Nagoya, Japan / The Dept. of Orthop., Kamiida General Hosp.,
Nagoya, Japan Takahiro Haga
- 2-4-PD7-6 Treatment strategy for proximal humeral fractures in elderly using IMN and LCP S111
Dept. of Orthop. Surg., Higashisumiyoshi Morimoto Hosp., Osaka, Japan Hidetoshi Teraura

Noontime Lecture 15

(12 : 00~13 : 00)

Chair: H. Ikegami

- 2-4-NL15-1 Shu-ha-ri ~Three stages of mastery for the treatment of proximal humerus fractures ~ S147
Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Atsuhiko Mogami

**Panel Discussion 8 Indication & limitations of total joint arthroplasty for fresh fractures -
Upper limb**

(13 : 20~14 : 50)

**Chairs: M. Nishiwaki
N. Matsumura**

- 2-4-PD8-1 Comparison between double locking plate fixation and total elbow arthroplasty for distal humeral fractures in patients over 70 years old S112
Dept. of Orthop., Showa Univ. Northern Yokohama Hosp. Keikichi Kawasaki
- 2-4-PD8-2 Total elbow arthroplasty in elderly patients with fresh distal humeral fracture -indication and limitation in view of approaches- S113
Shinyurigaoka General Hosp., Kanagawa, Japan Hiroshi Takamure
- 2-4-PD8-3 Primary total elbow arthroplasty for complex fractures of the distal humerus S114
Dept. of Orthop. Surg. (Ohashi) , School of Medicine, Toho Univ. Shu Yoshizawa
- 2-4-PD8-4 Comparison of clinical result of humeral head replacement and reverse shoulder arthroplasty for proximal humeral fracture S115
Dept. of Orthop. Surg., Sano Memorial Hosp. Koichi Ichikawa
- 2-4-PD8-5 Clinical results of reverse shoulder arthroplasty for proximal humeral comminuted fracture of elderly patients S116
The Dept. of Orthop. Surg., Seirei Hamamatsu General Hosp. Masayuki Abe
- 2-4-PD8-6 Clinical outcomes of reverse shoulder arthroplasty using fracture stem for 3- and 4-part proximal humerus fracture in the elderly S117
Sports Medicine & Joint Center, Funabashi Orthop. Hosp. Shota Hoshika

AO Recon Seminar

(15 : 10~16 : 40)

Chair: M. Ito

- 2-4-AO-1 Acute total hip arthroplasty for around the hip fractures S15
Dept. of Traumatology, Fukushima Medical Univ., Fukushima, Japan/Trauma Reconstruction Center,
Shinyurigaoka General Hosp., Kawasaki, Japan Takeshi Sawaguchi
- 2-4-AO-2 Primary total knee arthroplasty for acute fracture around the knee S16
Dept. of Orthop. Surg., Okayama Medical Center, Okayama, Japan Toru Sato
- 2-4-AO-3 TBA S17
Univ. College London Hosp. Simon Lambert

Day 2
Room 4

Day2 • Room 5 (PACIFICO YOKOHAMA, Conference Center 3F 301)

Main Theme 16 Femoral trochanteric fractures (4)

(8 : 20~9 : 20)

Chair: K. Shigemoto

- 2-5-MT16-1 Comparison of treatment of femoral greater trochanteric fractures with occult femoral intertrochanteric fractures S199
Fukuchiyama City Hosp., Kyoto, Japan Yusei Katsuyama
- 2-5-MT16-2 Effect of non-weight bearing after femoral trochanteric fracture surgery: Retrospective cohort study using propensity score matching S199
The Dept. of Orthop., Toyamakennsaiseikaitakaoka Hosp., Toyama, Japan Naoki Takemoto
- 2-5-MT16-3 Can intraoperative fluoroscopic image evaluate the precise reduction position in femoral trochanteric fracture? S200
Dept. of Orthop. Surg., Sanda City Hosp., Sanda, Japan Takashi Iwakura
- 2-5-MT16-4 CT based AO/OTA fracture classification for pertrochanteric fractures: study with multi-facilities S200
The Dept. of Orthop., Nishi Hosp. Mitsuaki Noda

Main Theme 17 Femoral trochanteric fractures (5)

(9 : 30~10 : 30)

Chair: K. Takada

- 2-5-MT17-1 Dynamic finite element analysis of trochanteric fracture of femur considering of bone fragmentation S201
Orthop. Surg., Niigata Rinko Hosp., Niigata, Japan Akira Sato
- 2-5-MT17-2 Internal fixation for coronal fragment in the trochanteric fractures with risk factors for sagittal swing motion S201
The Dept. of Orthop. Surg., Kouseiren Takaoka Hosp., Takaoka, Japan Daigo Sakagoshi
- 2-5-MT17-3 What is the effective measures to avoid postoperative excessive cervical sliding at Futamura classification type 1 intertrochanteric fracture? S202
Aizu Chuo Hosp., Traumatology and Reconstructive Surg. Center, Aizuwakamatsu-shi, Fukushima, Japan Koutaro Sorimachi
- 2-5-MT17-4 Approaches to safe surgery for fracture patients with severe AS: A case report of TAVI and ORIF performed on the same day..... S202
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine Ryota Cha
- 2-5-MT17-5 Intraoperative Measurement of Lag Screw Anteversion with iPhone on intertrochanteric fracture S203
Dept. of Orthop. Surg., Okayama City Hosp., Okayama, Japan Yoh Kinami
- 2-5-MT17-6 A case of the basicervical neck fracture of femur treated by hemiarthroplasty with transtrochanteric approach S203
Dept. of Orthop. Surg., Yamanashi Prefectural Central Hosp., Yamanashi, Japan Masafumi Fujita

Main Theme 18 Femoral neck fractures (1)

(10 : 40~11 : 40)

Chair: T. Sunakawa

- 2-5-MT18-1 Gamma3 U-Lag screw is useful as a fixing material for treatment of femoral neck fractures S204
Shonan Fujisawa Tokushukai Hosp., Kanagawa, Japan Taku Hashimoto
- 2-5-MT18-2 Is it good or bad to reduce and fix a valgus impacted femoral neck fracture? S204
Showa Univ. Northern Yokohama Hosp. Dept. of Orthop. Surg., Showa Univ. Northern Yokohama Hosp. Masaya Yamaguchi
- 2-5-MT18-3 A New Evaluation Method for Late Segmental Collapse as a Prognostic Factor in Non-displaced Femoral Neck Fractures S205
Kyushu Rosai Hosp., Dept. of Orthop. Surg., Fukuoka, Japan Tatsuya Mori
- 2-5-MT18-4 Evaluation of reoperation for non displaced femoral neck fracture by Femoral neck system S205
The Dept. of Emergency and Extremity Trauma Center, Univ. of Occupational Environmental Health Japan, Fukuoka, Japan Naohito Sato
- 2-5-MT18-5 Examination of LSC cases after osteosynthesis for non-displaced femoral neck fracture S206
The Dept. of Orthop., Chikamori Hosp., Kochi, Japan Shinjiro Yokota
- 2-5-MT18-6 Intersection between screw thread and fracture line is a risk of postoperative complications for femoral neck fracture S206
Dept. of Orthop. Surg. and Joint Surg. Centre, Takatsuki General Hosp., Osaka, Japan Atsuki Tanaka

Noontime Lecture 16

(12 : 00~13 : 00)

Chair: T. Maehara

- 2-5-NL16-1 The potential of +AS2 in the treatment of intertrochanteric fractures ~Beyond the effect of maintaining anterior bony contact~ S148
Dept. of Orthop. Surg. Artificial Joint / Joint Function Reconstruction Center, Oyumino Central Hosp. Takayuki Nakajima

Main Theme 19 Femoral neck fractures (2)

(13 : 20~14 : 20)

Chair: T. Ikuta

- 2-5-MT19-1 Bipolar head arthroplasty by direct anterior approach allows for early mobilization S207
Shuutou General Hosp. Kenji Hirata
- 2-5-MT19-2 Examination of the validity in the conjoined tendon preserving posterior approach for femoral head replacement S207
Hitachi, Ltd. Hitachinaka General Hosp. Hiromi Mochizuki
- 2-5-MT19-3 Learning curve of the first assistant surgeon in hemiarthroplasty using the superior approach S208
Dept. of Orthop. Surg., Mito Medical Center, Ibaraki, Japan Junichiro Morita
- 2-5-MT19-5 Comparison of periods required for regaining walking ability after BHA between conventional posterior approach and ERP approach S208
Tanigawa Memorial Hosp. Gen Nakamura
- 2-5-MT19-6 Postoperative results of Bipolar Hip Arthroplasty by superior approach to femoral neck fracture S209
Minami-nara General Medical Center, Nara, Japan Hayato Maekawa

Main Theme 20 Femoral neck fractures (3)

(14 : 25~15 : 25)

Chair: S. Kitada

- 2-5-MT20-1 Comparative study of treatment results by SC Screw and TresLock fixation for femoral neck fractures S209
Kosei Hosp. Trauma Center Tetsuya Ohata
- 2-5-MT20-2 Relationship between valgus angle and complications in Garden Stage I Femoral neck fracture S210
HOKUSETSU General Hosp., Osaka, Japan Atsunori Saito
- 2-5-MT20-3 Application of an original parallel guide in femoral neck fixation S210
Dept. of Orthop. Surg., The Jikei Univ. School of Medicine, Tokyo, Japan Tatsuki Matsuoka
- 2-5-MT20-4 Clinical results of stable femoral neck fractures with FEMORAL NECK SYSTEM S211
Dept. of Orthop. Surg. and Sport Medicine, Kawasaki Medical School, Okayama, Japan Kazuto Hirai
- 2-5-MT20-5 Poor result cases of osteosynthesis for femoral neck fracture in our hospital S211
Dept. of Orthop. Surg., JCHO Kanazawa Hosp., Kanazawa, Japan Yoshimitsu Kanazawa
- 2-5-MT20-6 The effect of side plate of Prima Hip Screw S212
Dept. of Orthop. Surg., Japanese Red Cross Kyoto Daini Hosp., Kyoto, Japan Takashi Kiba

Main Theme 21 Femoral neck fractures (4)

(15 : 30~16 : 30)

Chair: T. Jinno

- 2-5-MT21-1 The relation between the collection loss and the implant after ORIF for femoral neck fracture S212
Osaka Red Cross Hosp., Osaka, Japan Hiroki Konishi
- 2-5-MT21-2 Short term Clinical Results
- fixation vs hemiarthroplasty for subcapital fracture - S213
Osaka Saiseikai Senri Hosp., Dept. of Orthop. Surg. Yosuke Nagai
- 2-5-MT21-3 Experience of bipolar hemiarthroplasty with GS Taper stem for femoral neck fracture in the elderly S213
Okayama Saiseikai General Hosp. Toshiaki Kohara
- 2-5-MT21-4 Prospective Study of the Prevalence of Idiopathic Normal Pressure Hydrocephalus in Hip Fractures: a Propensity-matched Cohort Study..... S214
Iizuka Hosp., Fukuoka, Japan Takahiro Natori
- 2-5-MT21-5 Investigation of using the computed tomography to diagnosis the occult ipsilateral femoral neck fractures associated with femoral shaft fracture S214
Dept. of Orthop. Surg., Fujigaoka Hosp., Showa Univ. School of Medicine, Yokohama, Japan Yuko Irie
- 2-5-MT21-6 Quantitative evaluation of valgus impacted femoral neck fractures using CT scan S215
Chikamori Hosp., Kochi, Japan Tadahiho Hori

Main Theme 22 Femoral neck fractures (5)

(16 : 35~17 : 35)

Chair: Y. Fujita

- 2-5-MT22-1 Outcomes of the Exeter stem in femoral neck fractures, and comparison of total hip arthroplasty with bipolar hip arthroplasty S215
Hokkaido Orthop. Memorial Hosp. Masashi Shimamura
- 2-5-MT22-2 Ipsilateral femoral neck and trochanter fracture S216
SANMU MEDICAL CENTER, Sanmu, Japan Ryohei Sawada
- 2-5-MT22-3 A case of acute circulatory failure immediately after cemented bipolar hip arthroplasty (BHA) for a femoral neck fracture in a very elderly patient S216
Toho Univ. Ohashi Medical Center, Tokyo, Japan Takuya Fujimoto
- 2-5-MT22-4 Factors affecting QOL After Bipolar Hip Arthroplasty S217
Kochi Prefectural Hata Kenmin Hosp., Dept. of Orthop. Surg., Kochi, Japan Toshihiro Sano
- 2-5-MT22-5 Relationship between proximal femoral morphology and bone mineral density around the stem in patients with femoral neck fracture: a multicenter prospective cohort study S217
Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine Keisuke Oe
- 2-5-MT22-6 Clinical results of femoral head replacement with cemented stem for femoral neck fractures S218
Dept. of Orthop. Surg. and Joint Reconstructive Surg., Toyama Municipal Hosp. Shintaro Iwai

Day2 • Room 6 (PACIFICO YOKOHAMA, Conference Center 3F 302)

Main Theme 23 Pediatric lower limb long bone fractures

(8 : 20~9 : 20)

Chair: A. Sakurai

- 2-6-MT23-1 Intraoperative evaluation of femoral head blood flow in pediatric femoral neck fractures S218
Chiba Children's Hosp. / Trauma and Reconstruction Center, Teikyo Univ. Hosp. Tomoo Nakagawa
- 2-6-MT23-2 A case of osteonecrosis after a pediatric femoral neck fracture: prevention of femoral head deformity by long-term unloading S219
Chiba Children's Hosp. / Trauma and Reconstruction Center, Teikyo Univ. Hosp. Tomoo Nakagawa
- 2-6-MT23-3 Elastic stable intramedullary Nailing (ESIN) in paediatric femur and tibia shaft fractures S219
Urasoe General Hosp., Okinawa, Japan Noriaki Nakamura
- 2-6-MT23-4 Case report: Reduction with external fixation for distal femoral epiphyseal injury in pediatrics S220
Dept. of Orthop., Kyoto Okamoto Memorial Hosp., Kyoto, Japan Daisuke Takada
- 2-6-MT23-5 Treatment for triplane fracture S220
Kansai Medical Univ. Hosp. Emergency Medical Center, Osaka, Japan Takuma Yagura

Main Theme 24 Pediatric forearm & elbow area fractures

(9 : 30~10 : 30)

Chair: H. Ogasa

- 2-6-MT24-1 Treatment of acute Monteggia fractures in children S221
Dept. of Orthop. Surg., Fukuoka Tokusyukai Medical Center Atsuhiko Nakamura
- 2-6-MT24-2 A case of proximal radius epiphyseal injury S221
Dept. of Orthop. Surg., Kousei General Hosp., Mihara, Japan Hiroyuki Nagahara
- 2-6-MT24-3 A pediatric case of cubitus varus deformity due to olecranon fracture S222
Mito Saiseikai General Hosp., Mito, Japan Yamada Kazuya
- 2-6-MT24-4 The management of both-bone forearm diaphyseal fractures in children of ten years and over which have large angular deformity S222
Div. of Orthop. Surg., Dept. of Surgical Specialties, National Center for Child Health and Development, Tokyo, Japan / Dept. of Orthop. Surg., Higashiyamoto Hosp., Tokyo, Japan Takayuki Nakagawa
- 2-6-MT24-5 A case of distal growth plate injury of the radius during growth hormone replacement therapy S223
Nihon Univ. Itabashi Hosp. Orthop. Tomonori Kinoshita
- 2-6-MT24-6 Redisplacement after percutaneous pinning for paediatric distal radius fractures S223
Dept. of Orthop. Surg., Ryokusenkai Yonemori Hosp. Yoshinori Ueno

Day 2
Room 5

Day 2
Room 6

Main Theme 25 Pediatric supracondylar humerus fractures

(10 : 40~11 : 40)

Chair: N. Hidaka

- 2-6-MT25-1 Safety and treatment strategies of external fixation for supracondylar humeral fractures in children S224
Dept. of Orthop. Surg., CHIKAMORI Hosp., Kochi, Japan Yukinobu Nishii
- 2-6-MT25-2 Outcomes of treatment for humerus metaphyseal diaphyseal junction (MDJ) fracture of children..... S224
Dept. of Orthop. Surg., Saitama Prefectural Children's Medical Center, Saitama, Japan Takashi Kozu
- 2-6-MT25-3 Postoperative coronal and sagittal angular changes of supracondylar humeral fractures in children S225
Dept. of Orthop. Surg., Okayama Medical Center, Okayama, Japan Suguru Yokoo
- 2-6-MT25-4 Internal fixation for medial epicondyle fractures of the pediatric humerus : Treatment results with Tension band wiring and headless screw S225
Izumi Orthop. Hosp. Junichiro Shibuya
- 2-6-MT25-5 Outcome of surgical treatment for dislocation of the elbow joint combined with fracture of the medial epicondyle of the humerus in children S226
Yamaguchi Prefectural Grand Medical Center, Yamaguchi, Japan Kazuya Uehara
- 2-6-MT25-6 Comparison between exposed and buried Kirschner wires in fixation for pediatric supracondylar humerus fractures: A propensity score-matched study S226
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Japan Seigo Suganuma

Noontime Lecture 17

(12 : 00~13 : 00)

Chair: M. Shirahama

- 2-6-NL17-1 The highest peak of surgical management for Distal Radius Fractures -Breakthrough innovation- S149
Dept. of Orthop./Hand Surg., Hiratsuka Kyosai Hosp. Hiroaki Sakano

Main Theme 26 Elbow fractures (1)

(13 : 20~14 : 20)

Chair: T. Fujiwara

- 2-6-MT26-1 Ulnar neuropathy after double plate fixation for adult distal humerus fractures S227
The Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Ishikawa, Japan Shingo Takagawa
- 2-6-MT26-2 Arthroscopic or arthroscopic-assisted arthrolysis for post-traumatic elbow stiffness S227
Dept. of Orthop. Surg., Joint Surg., Sports Clinic Ishinomaki, Ishinomaki, Japan Taku Hatta
- 2-6-MT26-3 Epidemiological study of elbow dislocation with brachial artery injury in southern Tokushima Prefecture..... S228
The Dept. of Orthop., Tokushima Red Cross Hosp., Tokushima, Japan Yoshihiro Ishihama
- 2-6-MT26-4 Two-incision approach for transcondylar fractures of the distal humerus S228
Dept. of Orthop. Surg., Hokusetsu General Hosp., Osaka, Japan Choman Ryu
- 2-6-MT26-5 Percutaneous Screw Fixation for Transcondylar Fracture of Humerus in Elderly Patients S229
Kamitsuga General Hosp., Tochigi, Japan Ryotaro Otaka
- 2-6-MT26-6 Posterior approach for distal humeral fractures without dissecting the ulnar nerve: Can we prevent postoperative ulnar nerve palsy? S229
Dept. of Orthop. Surg. Graduate School of Medicine, Chiba Univ. Yusuke Matsuura

Main Theme 27 Elbow fractures (2)

(14 : 25~15 : 25)

Chair: H. Teraura

- 2-6-MT27-1 Clinical experiment of transolecranon fracture-dislocation with hinged external fixator S230
Orthop., Japanese Red Cross Nagoya Daini Hosp., Aichi Kanta Hasegawa
- 2-6-MT27-2 Radial head replacement for comminuted radial head fracture S230
Orthop. Surg., Hand Surg. and Microsurg. Center, Nagoya Tokushukai General Hosp.
Hideyuki Mizushima
- 2-6-MT27-3 Relationship between reduction accuracy of proximal radioulnar joint and clinical results of olecranon fracture dislocation S231
The Div. of Orthop. Trauma Center, Sapporo Tokusyukai Hosp., Sapporo, Japan Hirotada Matsui
- 2-6-MT27-4 Dubberley-Imatani classification and treatment strategy for coronal shear fracture of the distal humerus S231
The Dept. of Orthop. Surg., Okayama Saiseikai General Hosp., Okayama, Japan Shinji Narazaki
- 2-6-MT27-5 Comparison of postoperative outcome in Mason-Morrey Type III and Type IV fractures of the radial head and radial neck S232
Dept. of Orthop. Surg., Kurume Univ. Hirofumi Takada
- 2-6-MT27-6 A clinical analysis of coronal shear fracture of distal humerus: single-institution outcomes S232
Dept. of Orthop. Surg., Akashi Medical Center, Akashi, Japan Takahiro Waki

Main Theme 28 Distal radius fractures (1)

(15 : 30~16 : 30)

Chair: D. Osada

- 2-6-MT28-1 Relationship between skeletal muscle mass and osteoporosis-related background factors in patients with distal radius fractures S233
Dept. of Orthop. Surg., Keijinkai Shiroyama Hosp. / Dept. of Orthop. Surg., Showa Univ. School of Medicine
Sang Yang Lee
- 2-6-MT28-2 Validity of AO classification of distal radius fracture treated with volar locking plate S233
Dept. of Orthop. Surg., Iwate Medical Univ., Iwate, Japan Kotaro Sato
- 2-6-MT28-3 Incidence of distal radius fracture in Japan S234
Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kanazawa Univ. Mika Akahane
- 2-6-MT28-4 Ultrasonically assisted reduction of distal radius fractures is comparable to fluoroscopic reduction S234
Dept. of Orthop. Surg., Fukushima Prefectural Minami-aizu Hosp. / Traumatology and Reconstructive Surg.
Center, Aizu Chuo Hosp. Ryosuke Mashiko
- 2-6-MT28-5 Fracture sites in distal radius fractures resulting in rupture of the extensor pollicis longus tendon S235
The Dept. of Orthop. Surg., Japanese Red Cross Ashikaga Hosp., Tochigi, Japan / The Dept. of Orthop.
Surg. and Hand Surg. Center, International Goodwill Hosp., Kanagawa, Japan Sakura Yamaguchi

Main Theme 29 Distal radius fractures (2)

(16 : 35~17 : 35)

Chair: K. Morita

- 2-6-MT29-1 Relationship between palmar locking plate setting position and radial styloid screw insertion position S235
Niigata Hand Surg. Foundation, Niigata, Japan Koji Moriya
- 2-6-MT29-2 Treatment of distal radius fracture in AO classification type C3 with central depressed fragment S236
Orthop. Academy of Chiba Univ. Seiyu Nishiishigaki
- 2-6-MT29-3 The research of the dorsal displaced distal radius fractures with volar displaced distal fragment S236
Dept. of Orthop. Surg. Kousei General Hosp. Mihara, Japan Kyohei Chiba
- 2-6-MT29-4 SRL wire loop fixation for VLF with distal radius fracture (B3.3) S237
Dept. of Orthop. Surg., Fujigaoka Hosp., Showa Univ. Tomohiro Yasuda
- 2-6-MT29-5 Volar locking plate fixation for distal radius fractures in postmenopausal women with Teriparatide S237
Dept. of Orthop., Showa Univ. Northern Yokohama Hosp. Keikichi Kawasaki
- 2-6-MT29-6 Evaluation of ultrasound images in extensor pollicis longus tendon following distal radius fracture S238
Hand and Trauma microsurg. Center, Ekisaikai Hosp., Osaka, Japan Hirohisa Yagi

Day2 • Room 7 (PACIFICO YOKOHAMA, Conference Center 3F 303)

Main Theme 30 Acetabular fractures

(8 : 20~9 : 20)

Chair: T. Matsugaki

- 2-7-MT30-1 Relationship between Postoperative Outcome of Acetabular Fractures and the Number of Surgical Experiences of Surgeons: A retrospective multicenter observational study S238
Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Keisuke Ishii
- 2-7-MT30-2 A case study of combined pelvic ring and acetabular fractures S239
Trauma Center, Nagasaki Univ. Hosp., Nagasaki, Japan Mitsuru Doi
- 2-7-MT30-3 Verification of fitting for QLP of Suprapectineal plate in acetabular fracture surgery S239
Dept. of Emergency Orthop. Trauma Surg., Fujita Health Univ. Hosp. Masahiro Yoshida
- 2-7-MT30-4 Surgical treatment for combined injuries of the pelvis and acetabulum: What are the factors that make joint reduction difficult? S240
Trauma Reconstruction Center, Shinyurigaoka General Hosp., Kanagawa, Japan / Dept. of Orthop. Surg.,
Nara Medical Univ., Nara, Japan Hironobu Konishi
- 2-7-MT30-5 Is the prognosis of the posterior wall fracture of the acetabulum still poor even if it is successfully reduced? S240
Juntendo Shizuoka Hosp., Shizuoka, Japan Tomoko Wakejima
- 2-7-MT30-6 Contrast CT based analysis of morphometry of iliolumbar artery in acetabular fracture and efficacy of preoperative evaluations S241
Dept. of Acute Trauma, Emergency, and Critical Care Center, Oita Univ. Hosp., Oita, Japan
Shozo Kanazaki

Main Theme 31 Sacral fractures & pelvic ring fractures

(9 : 30~10 : 30)

Chair: Y. Hara

- 2-7-MT31-1 A case of new posterior fixation procedure to spinopelvic dissociation connecting iliosacral screws and other screws S241
Dept. of Orthop., Seirei General Hosp., Yokohama, Japan Mitsutoshi Ota
- 2-7-MT31-2 Pelvic Incidence of H type sacral fracture is decreased after operation and can be an index for reduction S242
Dept. of Orthop. Surg., Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan Toshihide Sato
- 2-7-MT31-3 Evaluation of the effect of direct decompression on bladder rectal disorders in Zone III sacral fractures S242
Saitama Medical Center, Saitama Medical Univ., Kawagoe, Japan Hiromi Matsuda
- 2-7-MT31-4 Loss of correction in H type sacral fracture
-Detection of corrective loss using PI- S243
Dept. of Orthop. Surg., Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan Toshihide Sato
- 2-7-MT31-5 Is percutaneous screw insertion with intraoperative 3D-CT navigation for pelvic ring fractures safer than with fluoroscopic insertion? S243
The Dept. of Orthop. Surg., Univ. of Miyazaki, Miyazaki, Japan Masaru Hiyoshi
- 2-7-MT31-6 Image analysis of the risk of superior gluteal artery injury during insertion of the superior pubic ramus screws using a 3D image analysis workstation S244
Dept. of Orthop. Surg., Kainan Hosp. Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Yatomi, Japan Hidetoshi Iwata

Main Theme 32 Spinal trauma

(10 : 40~11 : 40)

Chair: I. Nakayama

- 2-7-MT32-1 The Accuracy of percutaneous pedicle screw placement using biplane fluoroscopy and risk factors of the deviation S244
The Dept. of Orthop., Showa General Hosp., Tokyo, Japan Shota Nakagawa
- 2-7-MT32-2 Evaluation of Thoracolumbar Fractures due to High-energy Trauma
-Comparison between Patients with and without Psychological Disorders- S245
Dept. of Orthop. Surg., Saiseikai Senri Hosp., Osaka, Japan Yuko Date
- 2-7-MT32-3 Minimally invasive surgery of posterior spinal fixation in patients with diffuse idiopathic skeletal hyperostosis related thoracolumbar fractures S245
Orthop., Sanmu Medical Center, Chiba, Japan Takuma Yoshimoto
- 2-7-MT32-4 The benefit of Balloon Kyphoplasty (BKP) early after admission for osteoporotic vertebral fracture S246
Iga City General Hosp., Iga, Japan Kento Watanabe

**Noontime Lecture 18 Surgical treatment of internal fixation for femoral neck fracture:
Strategy for aiming "zero" complication
- Our observation from 500 cases -**

(12 : 00~13 : 00)

Chair: A. Sakurai

- 2-7-NL18-1 Reduction of posterior tilt of the femoral neck fracture is now a standard procedure S150
Dept. of Orthop. Surg., Sanda City Hosp., Hyogo, Japan Takashi Iwakura
- 2-7-NL18-2 What we have learnt from 500 cases: Should we need correct valgus deformity in undisplaced femoral neck fractures? S151
Dept. of Orthop. Surg., Akashi Medical Center, Hyogo, Japan Takahiro Waki

Main Theme 33 Multidisciplinary approach for fracture prevention

(13 : 20~14 : 20)

Chair: N. Shiota

- 2-7-MT33-1 Development of a CT-based finite element analysis model for verifying the effect of preventing hip fractures by the shock-absorbing floor: A preliminary report S246
Dept. of Orthop. and Trauma Research, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ., Tokyo, Japan Yoto Oh
- 2-7-MT33-2 Our hospital approach to fragility fractures
-Examination of the effects obtained by focusing the activity to FLS from OLS-
..... S247
Dept. of Orthop. Surg., Komaki Hosp., Miyazaki, Japan Wataru Komaki
- 2-7-MT33-3 Multidisciplinary fracture liaison service for distal radius fractures that trauma physicians can provide S247
Dept. of Orthop. Surg. Kitakyushu General Hosp. Fumio Fukuda
- 2-7-MT33-4 Multidisciplinary approach to the prevention of perioperative complications for patients with hip fractures S248
Dept. of Orthop. Surg. Kure Medical Center, Chugoku Cancer Center Shinichi Ueki
- 2-7-MT33-5 The presence or absence of a driver's license and cognitive function of fractured patients over 70 years old who need hospitalization..... S248
Red Cross Okayama Hosp. Kensuke Ando
- 2-7-MT33-6 Orthogeriatric co-management reduces the length of hospital stays in hip fracture patients S249
Dept. of Orthop. Surg., Akashi Medical Center, Akashi, Japan Takahiro Waki

Main Theme 34 Atypical femoral fractures

(14 : 25~15 : 25)

Chair: Y. Oh

- 2-7-MT34-1 Osteosynthesis for atypical femoral fractures after total knee arthroplasty in patients with rheumatoid arthritis, 2 case reports S249
Dept. of Orthop., Okayama Univ. Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama, Japan Toshiaki Hata
- 2-7-MT34-2 A case study of bilateral atypical femoral fracture S250
Orthop. Surg., Nishiwaki Municipal Hosp., Hyogo, Japan Tatsuya Ito
- 2-7-MT34-3 Treatment for atypical femoral fracture in our hospital..... S250
Trauma Center of Nagasaki Univ. Hosp. Shingo Ota
- 2-7-MT34-4 Experience of surgical treatment for bowed atypical femoral fracture using intramedullary nail: A report of 3 cases S251
Dept. of Orthop. Surg., JCHO Hoshigaoka Medical Center, Osaka, Japan Kosuke Yamamoto
- 2-7-MT34-5 Intramedullary nailing with correction of varus malalignment and using a locking plate for treatment of atypical femoral subtrochanteric fracture nonunion : a report of two cases S251
Dept. of Orthop. Surg., Tohoku Univ. School of Medicine, Sendai, Japan Nobuharu Ishidu
- 2-7-MT34-6 Chipping technique in primary surgery of atypical femoral fracture : a case report S252
Hokusetsu General Hosp., Osaka, Japan Minako Sumikawa

Main Theme 35 Periprosthetic fractures

(15 : 30~16 : 30)

Chair: T. Baba

- 2-7-MT35-1 A case report of periprosthetic fracture after failure operation of trochanteric fracture S252
National Hosp. Organization Hogashi-ohmi General Medical Center, Shiga, Japan Kohei Shibata
- 2-7-MT35-2 Results of treatment for periprosthetic femoral fractures using Vancouver classification at our hospital..... S253
Dept. of Orthop. Surg., Nakagami Hosp., Okinawa, Japan Masato Ishihara
- 2-7-MT35-3 Clinical outcome of implant related fractures of femur after use of short femoral nail S253
Nishinomiya Watanabe Hosp., Hyogo, Japan Katsuaki Onishi
- 2-7-MT35-4 Surgical treatment for periprosthetic fracture of the femoral stem Vancouver type B2 in elderly patients S254
Dept. of Orthop. Surg., Chubu Tokushukai Hosp., Okinawa, Japan Mika Takaesu
- 2-7-MT35-5 Whole Span Plating for Periprosthetic Femoral Fracture Can Prevent Postoperative New Periprosthetic Femoral Fracture S254
Dept. of Traumatology and Reconstructive Surg., Fukushima Medical Univ. School of Medicine / Traumatology and Reconstructive Surg. Center, Aizu Chuo Hosp. Shunsuke Sato
- 2-7-MT35-6 Surgical treatment of peri-implant femoral fractures using NCB periprosthetic femur plate system..... S255
Dept. of Emergency and Critical Care, Saitama Medical Univ. International Medical Center, Saitama, Japan Kato Shintaro

Main Theme 36 Total hip arthroplasties

(16 : 35~17 : 35)

Chair: K. Takada

- 2-7-MT36-1 Hybrid THA by anterolateral supine approach for displaced femoral neck fractures and subchondral femoral head fractures S255
Dept. of Orthop. Surg., Okayama Saiseikai General Hosp., Okayama, Japan Yukio Kawakami
- 2-7-MT36-2 Surgical Treatment for Greater Trochanter Fracture Accompanied with Total Hip Arthroplasty Using Proximal Humerus Plate S256
The Dept. of Orthop. Chugoku Rosai Hosp., Kure, Japan Yuki Matsubara
- 2-7-MT36-3 Advantages and disadvantages of using Rotex Table for THA in Anterolateral supine Approach S256
Dept. of Orthop. Surg., National Defense Medical College Hiroki Kobayashi
- 2-7-MT36-4 Perioperative outcome of hemiarthroplasty versus total hip arthroplasty through direct anterior approach using propensity score matching S257
Dept. of Orthop. Surg., Yamaguchi Prefectural Grand Medical Center Tomoya Okazaki

Day2 • Room 8 (PACIFICO YOKOHAMA, Conference Center 3F 304)

Main Theme 37 Maniphalanx and carpus

(8 : 20~9 : 20)

Chair: K. Moriya

- 2-8-MT37-1 Extension angle of the DIP joint
-comparison between clinical and radiographic measurement- S257
Orthop. Surg., Ogikubo Hosp. Masato Okazaki
- 2-8-MT37-2 Conservative treatment for displaced phalangeal neck fractures in children
..... S258
Dept. of Orthop., Chutoen General Medical Center, Shizuoka, Japan Hisao Ishii
- 2-8-MT37-3 A study of malunion after internal fixation for the bony mallet finger S258
Dept. of Orthop., Nishi Omiya Hosp., Saitama, Japan Ikuo Nakai
- 2-8-MT37-4 Influence of wire insertion site on joint range of motion in proximal phalanx
fractures of the hand S259
Orthop. and Hand Surg., Nagoya Ekisaikai Hosp., Aichi, Japan Makoto Suzuki
- 2-8-MT37-5 Non-vascularized iliac bone grafting in scaphoid nonunion:
a study of difficult cases S259
Dept. of Orthop. Surg., Hirosaki Univ., Aomori, Japan Yuki Fujita
- 2-8-MT37-6 Ingenuity and treatment results of arthroscopic surgery for nonunion of
proximal scaphoid S260
Dept. of Orthop. Surg., Showa Univ. Yokohama Northern Hosp. Kanagawa, Japan Takeshi Sakai

Main Theme 38 Distal femoral fractures

(9 : 30~10 : 30)

Chair: T. Waki

- 2-8-MT38-1 Results of open supracondylar femur fractures at our hospital S260
Hyogo Emergency Medical Center / Kobe Red Cross Hosp. Genta Fukumoto
- 2-8-MT38-2 CT based study of postoperative rotational malalignment for femoral shaft and
distal femoral fractures with retrograde intramedullary nail S261
Dept. of Orthop. Surg., Fukuyama City Hosp., Hiroshima, Japan Katsuhiro Kawabata
- 2-8-MT38-3 The outcome of treatment of distal femoral fracture at our hospital:
Retrograde intramedullary nail, single plate or double plate? S261
The Dept. of Orthop. Surg., Miyazaki Medical Association Hosp., Miyazaki, Japan Toshiki Kamiya
- 2-8-MT38-4 Comparison of clinical outcomes between locking plate and retrograde
intramedullary nail for distal femoral extra-articular fractures S262
Orthop. Surg., Anjokosei Hosp., Aichi, Japan Yutaro Kuwahara

Day 2
Room 7

Day 2
Room 8

Main Theme 39 Sports injuries and athletes' stress fractures

(10 : 40~11 : 40)

Chair: K. Kikugawa

- 2-8-MT39-1 Examination of risk factor for delayed union on the treatment medial malleolus stress fracture S262
Dept. of Orthop. Surg., Hankai Hosp., Osaka, Japan Takafumi Shinkuma
- 2-8-MT39-2 A case report; A stress fracture of patella resulting in surgical treatment during conservative treatment S263
Dept. of Orthop., FRANO KYOKAI Hosp., Furano, Japan Kenichi Takagi
- 2-8-MT39-3 Characteristics and trends of pediatric upper limb fracture during sports activity S263
Dept. of Orthop. Surg., Sakai City Medical Center, Sakai, Japan Atsushi Sugita
- 2-8-MT39-4 Stress fracture of the femoral shaft in the long-distance track and field club high school student : report of a case S264
Toyonaka Muncial Hosp., Osaka, Japan Kiichi Sunouchi
- 2-8-MT39-5 Surgical treatment for ischial tuberosity avulsion fracture :Two cases report S264
Toyota Memorial Hosp., Toyota, Japan Ryota Futatsugi
- 2-8-MT39-6 Surgical treatment focusing on ankle valgus instability for ankle medial malleolus stress fracture S265
Dept. of Orthop. Surg., CHIKAMORI Hosp., Kochi, Japan Yukinobu Nishii

Noontime Lecture 19

(12 : 00~13 : 00)

Chair: N. Takahira

- 2-8-NL19-1 Bipolar hip replacement of CPP and ALS techniques to be learned S152
The Dept. of Orthop. Surg., Nihon Univ. Hosp., Tokyo, Japan Takashi Hisatome

Main Theme 40 Open fractures / Severe soft tissue injuries

(13 : 20~14 : 20)

Chair: H. Morii

- 2-8-MT40-1 The epidemiology of extremity open fractures in the elderly S265
Sakai Medical Center, Orthop. Surg., Sakai, Japan Ikko Ohno
- 2-8-MT40-2 The patient-reported outcomes after mangled lower leg injuries at one year
period-Comparison between limb salvage and amputation in a multicenter
study- S266
Trauma and Reconstruction Center, Teikyo Univ. Hospital / Orthop. Trauma Registry Committee,
Japanese Society for Fracture Repair Taketo Kurozumi
- 2-8-MT40-3 Angiography for Gustilo Type IIIB Open Fractures: Is There a Difference
Between It and CT Angiography?..... S266
The Dept. of Emergency and Critical Care Medicine, Saitama Medical Univ., Japan Hokuto Morii
- 2-8-MT40-4 Infectious factors in open tibial fractures treated with intramedullary nails in
Gustilo-Anderson classification type IIIB S267
Saitama Medical Center, Saitama, Japan Tsubasa Takahashi
- 2-8-MT40-5 Factors affecting the time to initial administration of prophylactic antibiotics
for open fractures S267
Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Ryo Okada
- 2-8-MT40-6 The treatment experience of upper arm complete and incomplete amputation
cases The strategy to improve treatment outcomes S268
Extremities Trauma Center, Univ. of Occupational and Environmental Health, Japan Daishi Hamada

Main Theme 41 Infected non-union / Non-union

(14 : 25~15 : 25)

Chair: E. Shoda

- 2-8-MT41-1 Evaluation of treatment results of upper limb nonunion by patient-reported outcome S268
Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine, Kobe, Japan Tomoaki Fukui
- 2-8-MT41-2 Modified free vascularized fibula graft for infected open tibia plateau fracture S269
Dept. of Musculoskeletal Traumatology and Reconstructive Surg., Hiroshima Univ., Hiroshima, Japan Yuta Hayashi
- 2-8-MT41-3 A case of chronic osteomyelitis after an open fracture of the lower leg with pathological fracture that could be cured by CLAP using an intramedullary nail S269
Chiba Emergency Medical Center, Chiba, Japan Nobuaki Hayashi
- 2-8-MT41-4 Nonunion after ankle fracture with chronic dislocation affected by Calciphylaxis; A case report S270
The Higashiyamoto Hosp. Tokyo, Japan / The Higashiyamoto Hosp. Tokyo / The Orthop. Surg., Univ. of Kyorin, Japan Osamu Uekawa
- 2-8-MT41-5 One stage surgery with exchange nailing and autologous bone graft for femoral shaft nonunion with a shortening of 2cm: a case report S270
Dept. of Orthop. Surg., Tokyo Medical and Dental Univ. Hosp., Tokyo, Japan Yusuke Masumoto

KFS Presidential Lecture · Japan-Korea Joint Symposium Complex fractures around the knee

(15 : 30~17 : 00)

Chair: E. Shoda

- 2-8-JK-1 Posterolateral Plateau Fractures. Concept & the Techniques of The Hug Plating
Korean Fracture Society Jong-Keon Oh

Chairs: Jong-Keon Oh
T. Miyamoto

- 2-8-JK-2 Periprosthetic Fracture after TKA S18
Korea Univ. Seung Beom Han
- 2-8-JK-3 Management of complex tibial plateau fractures. S19
Dept. of Orthop. Surg. Inje Univ., Ilsan Paik Hosp. Hyoung-Keun Oh
- 2-8-JK-4 The plate fixation for the patella fracture S20
Orthop. Trauma Center, Hyogo Prefectural Nishinomiya Hosp., Hyogo, Japan Shimpei Kitada
- 2-8-JK-5 High Energy Tibial Plateau Fracture S21
Dept. of Musculoskeletal Traumatology, Faculty of Medicine Dentistry and Pharmaceutical Sciences, Okayama Univ., Okayama, Japan Masanori Yorimitsu

Day2 • Room 9 (PACIFICO YOKOHAMA, Conference Center 3F 311+312)

Oral 19 Distal radius fracture

(8 : 20~9 : 20)

Chair: T. Maeda

- 2-9-019-1 Evaluation of bone mineral density in patients aged above 50 years with distal radius fractures S336
 Dept. of Orthop. Surg. Graduate School of Medical Sciences, Kanazawa Univ., Ishikawa, Japan
 Yuta Nakamura
- 2-9-019-2 A study of extensor pollicis longus tendon rupture associated with distal radius fracture including observation of tendon using nanoscope S337
 Dept. of Orthop. Surg., Saiseikai Shimonoseki General Hosp. Yukio Abe
- 2-9-019-3 Postoperative reduction loss and functional outcomes in AO classification C3 distal radius fractures with VLF fragments S337
 Hand and Microsurg. Center, Dept. of Orthop. Surg., Seikeikai Hosp. Takuya Yokoi
- 2-9-019-4 Intramedullary nail fixation of distal radius fracture by ultrasound-guided axillary nerve block combined with WALANT technique S338
 Dept. of Orthop. Surg., Yao Tokushukai General Hosp. Yoshihiro Dohi
- 2-9-019-5 Distraction plate treatment results for intra-articular fractures of the distal radius in the elderly S338
 Orthop., Univ. of Occupational and Environmental Health, Kitakyusyu, Japan Yoshitaka Tsujimura
- 2-9-019-6 The treatment result of distal radius C type fracture using DVR plate ... S339
 The Orthop. Dept. of Chikamori Hosp., Kochi, Japan Kazutaka Oda

Oral 20 Forearm**(9 : 30~10 : 30)****Chair: S. Takahata**

- 2-9-O20-1 Interposition of an induced membrane flap to prevent recurrence after synostosis excision for posttraumatic radioulnar synostosis complicated by bone loss: a case report S339
Dept. of Orthop. Surg., Tokyo Saiseikai Central Hosp., Tokyo, Japan Ryo Ogawa
- 2-9-O20-2 Intramedullary Nailing for Adult Diaphyseal Forearm Fractures S340
Dept. of Orthop. Surg., Sendai City Hosp., Sendai, Miyagi, Japan Daizo Sasaki
- 2-9-O20-3 Treatment of forearm diaphyseal non-union S340
Dept. of Orthop. Surg., Surgical Science, Tokai Univ. School of Medicine, Kanagawa, Japan
Yuka Kobayashi
- 2-9-O20-4 Ulnar Shortening Osteotomy using APTUS Wrist Ulna Shortening System 2.5 S341
Dept. of Orthop. Surg., Osaka Ekisaikai Hosp., Japan Seafarers Relief Association, Osaka, Japan
/ Dept. of Orthop. Surg., Osaka General Hosp. of West Japan Railway Company, Osaka, Japan
Yusuke Miyashima
- 2-9-O20-5 A case of Galeazzi-equivalent fracture in a child treated with ulnar lengthening and long-term follow-up S341
Dept. of Orthop. Surg. Chiba Aoba Municipal Hosp. Toshiyuki Yamada
- 2-9-O20-6 Rupture of Extensor Pollicis Longus tendon after distal radius fracture ... S342
Orthop. Surg., Kita-Harima Medical Center Yasuhiro Fukai

Oral 21 Maniphalanx and carpus

(10 : 40~11 : 40)

Chair: Y. Morisawa

- 2-9-021-1 Examination of the usefulness of steel wire-coupled external fixators in the treatment of hand fractures..... S342
The Dept. of Orthop. Surg., Tokyo Hikifune Hosp., Tokyo, Japan Kensaku Hamamoto
- 2-9-021-2 Treatment of fracture-dislocation and fracture of the ulnar carpometacarpal joints S343
Komazawa Hosp., Tokyo, Japan Ruriko Iigaya
- 2-9-021-3 Pitfall of diagnosis and treatment of carpometacarpal dislocation fracture S343
National Hosp. Organaization Kyoto Medical Center Ryota Nakamura
- 2-9-021-4 Treatment of Fracture around PIP Joint with Ichi-Fixator system: Case series S344
Dept. of Orthop. Surg., Tokyo Saiseikai Central Hosp., Tokyo, Japan Koichi Horiuchi
- 2-9-021-5 Surgical treatment for nonunion of postoperative scaphoid fracture S344
Dept. of Orthop. Surg. and Joint Reconstruction Center, Chibanishi General Hosp., Chiba, Japan
Masato Saito
- 2-9-021-6 Treatment of old 5th CM joint dislocation with suture-button..... S345
The Dept. of Orthop. Surg., Nagoya Ekisaikai Hosp., Nagoya, Japan Satoshi Niwa
- 2-9-021-7 A case of multiple finger CM joint dislocation fracture with comminuted fracture of the base of the fourth metacarpal S345
Orthop., Chukyo Hosp., Aichi, Japan Hidetane Takahashi

Oral 22 Pediatric fractures around the elbow

(13 : 20~14 : 20)

Chair: H. Ishii

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The Dept. of Orthop., Kitaharima Medical Center, Hyogo, Japan Yu Inoue
- 2-9-022-2 The treatment of flexion type of supracondylar fracture of the humerus in children S346
Dept. of International Medical Relief, Japanese Red Cross Kumamoto Hosp. Naoki Okamura
- 2-9-022-3 Evaluation of oerative treatment for supracondylar humeral fracture in children S347
Konan Medical Center, Hyogo, Japan Yutaka Ehara
- 2-9-022-4 Evaluation of complication for pediatric humeral supracondylar fractures S347
Kyushu Rosai Hosp. Toshihiro Oniduka
- 2-9-022-5 3 cases treated with ESIN for pediatric radial neck fracture S348
Dept. of Orthop. Surg., Fujigaoka Hosp., Showa Univ., Kanagawa, Japan Koki Nakamura

Oral 23 Fractures around the elbow

(14 : 25~15 : 25)

Chair: K. Kuriyama

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Saga-Ken Medical Centre Koseikan Norihiro Komiya
- 2-9-023-2 Clinical outcomes of intra-articular fractures of the distal humerus in the elderly S349
Dept. of Orthop., Nishinomiya Kyoritsu Neurosurgical Hosp. Naohide Takigawa
- 2-9-023-3 Comparison of Surgical Outcomes for Transcondylar Fracture of the Humerus in Elderly S349
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan
Kenta Takatsuji
- 2-9-023-4 Olecranon fracture-dislocation associated with Compartment syndrome : a case report S350
Dept. of Orthop. Surg., Saiseikai Matsuyama Hosp., Matsuyama, Japan Atsushi Takasu
- 2-9-023-5 Treatment of non-union like adult radial neck fracture. - A report of two cases - S350
McSYL TATSUMI CLINIC & HOSP. Fracture Management Center, Osaka, Japan
Atsuyuki Tsuchiya
- 2-9-023-6 Tension band wiring technique using double bent K-wires for comminuted olecranon fractures S351
Saiseikai Utsunomiya Hosp. Satoshi Oki

Oral 24 Humerus shaft fractures

(15 : 30~16 : 30)

Chair: S. Yoshizawa

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Dept. of Orthop. Sugery, Chugoku Rosai Hosp., Hiroshima, Japan Yoshihiro Nakamura
- 2-9-024-2 Shoulder dysfunction after antegrade intramedullary nail fixation for humeral shaft fractures S352
Dept. of Orthop. Surg., Fukuyama City Hosp., Fukuyama, Japan Yoshi Kawamura
- 2-9-024-3 Kirschner wires fixation for the periprosthetic supracondylar fracture of the humerus after intramedullary nail S352
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- 2-9-024-4 The surgical treatment of humeral shaft fractures with associated radial nerve palsy S353
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The Dept. of Orthop. Surg., Takamatsu Red Cross Hosp., Kagawa, Japan Yugen Fujii
- 2-9-024-6 Mid-term results of the rotator interval approach in intramedullary nail surgery for humeral shaft fractures S354
Dept. of Trauma Reconstruction Surg. Center Sinyurigaoka General Hosp., Kanagawa Prefecture, Japan
Masato Toyonaga
- 2-9-024-7 Intramedullary nail fixation is useful for proximal humeral metaphyseal and diaphyseal fractures S354
Dept. of General Medicine, Okayama Medical Center Keita Yokawa

Oral 25 Clavicle & scapula fractures

(16 : 35~17 : 35)

Chair: M. Sakamoto

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- 2-9-025-2 Treatment experience of Coraco-clavicular suspension procedure for fresh
acromioclavicular joint dislocation S355
Orthop., Itabashi Chuo Medical Center, Tokyo, Japan Nariaki Hao
- 2-9-025-3 Delayed brachial plexus palsy after midclavicular fracture S356
Dept. of Orthop., Nagoya City Univ., Aichi, Japan Hiroki Yonezu
- 2-9-025-4 A case report of double-plate fixation in bipolar clavicle fracture S356
Dept. of Orthop., Holy Spirit Hosp., Nagoya, Japan Yoshiki Aoki
- 2-9-025-5 Results of treatment of distal clavicle fractures -Comparison of locking plate
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- 2-9-025-6 Surgery of comminuted scapula fracture using the reverse incision extensile
Judet approach : a case report S357
Dept. of Orthop. Surg., Okayama City General Medical Center, Okayama City Hosp., Okayama, Japan
Yoshinao Onoue
- 2-9-025-7 Open reduction and internal fixation for scapula fracture with posterior
dislocation of the shoulder S358
Ehime Prefectural Niihama Hosp., Ehime, Japan Chihiro Hiraoka

Day2 • Room 10 (PACIFICO YOKOHAMA, Conference Center 3F 313+314)

Oral 26 Pelvis, acetabular (1)

(8 : 20~9 : 20)

Chair: T. Suzuki

- 2-10-026-1 Clinical outcomes of spring plate fixation with 1/3 plate for acetabular posterior wall fracture S358
 Dept. of Orthop. Surg., Saiseikai Yokohama City Tobu Hosp., Yokohama, Japan Ryosuke Maruiwa
- 2-10-026-2 Surgical outcomes of acetabular fractures have a learning curve S359
 Dept. of Emergency and Critical Care Medicine, Nara Medical Univ., Nara, Japan / Dept. of Orthop. Surg., Nara Medical Univ., Nara, Japan Naoki Maegawa
- 2-10-026-3 Treatment of traumatic hip fracture-dislocation S359
 Advanced Critical Care Center, Gifu Univ. Hosp., Gifu, Japan Yosuke Mizuno
- 2-10-026-4 A case of acetabular fracture in a pregnant woman S360
 The Dept. of Orthop., Kobe City Medical Center General Hosp., Hyogo, Japan Satoshi Ota
- 2-10-026-5 A case of multiple thoracolumbar fractures and pelvic ring fracture S360
 Dept. Orthop. Surg., Kimitsu Chuo Hosp. Yasuhiro Furihata
- 2-10-026-6 Irreducible central fracture-dislocation of the hip : a case report S361
 Dept. of Orthop. Surg., Fukui Prefectural Hosp., Fukui, Japan Tomonori Misaki
- 2-10-026-7 Clinical result of pelvic ring and acetabular fractures with posterior column Shantz pin in prone position S361
 Fukuyama City Hosp. Dept. of Orthop. Surg. Ryu Tamura

Oral 27 Pelvis, acetabular (2)

(9 : 30~10 : 30)

Chair: A. Kanda

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Dept. of Orthop. Surg., Kurume Univ. School of Medicine, Fukuoka, Japan Shingo Okazaki
- 2-10-027-2 Treatment for Fragility Fractures of the Pelvic Ring in the elderly at our hospital S362
Dept. of Orthop., Oita San-ai Medical Center, Oita, Japan Naotoshi Ninomiya
- 2-10-027-3 The Outcome of continuous local antimicrobial perfusion (CLAP) combined with pelvic fracture treatment S363
Emergency and Critical Care, Univ. of Kyushu, Fukuoka, Japan Kenta Momii
- 2-10-027-4 Acetabular fracture treatment by pararectus approach in our hospital ... S363
Saisei-kai Yokohama-shi Tobu Hosp. Toshiyuki Yamauchi
- 2-10-027-5 Pediatric pelvic fracture with half-pin insertion of external fixator under surgical assist device S364
Dept. of Orthop. Surg., Univ. of the Ryukyus, Okinawa, Japan Takahiro Igei
- 2-10-027-6 Complications of insertion of lateral compression-2 screws S364
Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Yuhei Nakayama
- 2-10-027-7 Surgical positioning for posterior acetabular wall fractures with intra-articular bone fragments S365
Dept. of Musculoskeletal Traumatology and Reconstructive Surg., Graduate School of Biomedical and Health Sciences, Hiroshima Univ. Kazunori Oae

Oral 28 Fragility fractures

(10 : 40~11 : 40)

Chair: H. Hayashi

- 2-10-028-1 The relationship between the patients with implants from a previous hip surgery and fragility fracture of the pelvis S365
 Orthop. Surg., National Hosp. Organization Tokyo Medical Center Teppei Hayashi
- 2-10-028-2 Usefulness of force-controlled pelvic stress radiograph in the functional treatment strategy of a fragility fracture of the pelvis S366
 Dept. of Orthop. Surg., Faculty of Medicine, Saga Univ., Saga, Japan Takaomi Kobayashi
- 2-10-028-3 Association between site-specific bone mineral density and fracture pattern in proximal femoral fractures: a cross-sectional study using prospective collected data S366
 Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan / Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan You Hidaka
- 2-10-028-4 Comparison of postoperative outcomes between Sacro Iliac Rod Fixation (SIRF) and percutaneous screw fixation (TITS/ISS) for sacrum insufficiency fractures S367
 Steel Memorial Hirohata Hosp., Hyogo, Japan Ryowa Mineo
- 2-10-028-5 Postoperative results of fragility fracture of pelvis treated with percutaneous screws S367
 Saiseikai Shiga-ken Hosp., Shiga, Japan Fumihide Sato
- 2-10-028-6 Epidemiological study of fragility fractures of the pelvic ring in Tomamaegun Hokkaido S368
 Dept. of Orthopaedis Surg., Jichi Medical Univ., Tochigi, Japan / Hokkaido Prefectural Haboro Hosp., Hokkaido, Japan Jiro Ando

Oral 29 Computer, navigation

(13 : 20~14 : 20)

Chair: A. Sato

- 2-10-029-1 Do video games affect orthopedic virtual simulation surgery skills? S368
The Dept. of Orthop., Univ. of Kagawa, Kagawa, Japan Yusuke Yoshida
- 2-10-029-2 3-dimensional printed model for treatment of fracture S369
Dept. of Orthop. Surg., Shiraniwa Hosp., Nara, Japan Kosuke Sasaki
- 2-10-029-3 A Study on the Optimal Placement of a Porialaxial Palmar Locking Plate for
Distal Radius Fractures S369
Dept. of Orthop. Surg., Tokyo Medical Univ. Ibaraki Medical Center Yusuke Eda
- 2-10-029-4 Preoperative planning for fracture treatment using free 3D modeling software
..... S370
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Japan Munetomo Takata
- 2-10-029-5 Clinical application of total elbow arthroplasty using an augmented reality S370
Ashikaga Red Cross Hosp., Tochigi, Japan Atsushi Tanji
- 2-10-029-6 Computer simulated autologous bone graft and internal fixation for open
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JCHO Hoshigaoka Medical Center, Osaka, Japan Yukihiro Yasui
- 2-10-029-7 Treatment of proximal femoral fracture due to osteogenesis imperfecta using
3D printer: a case report S371
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Japan Munetomo Takata

Oral 30 Basic research, prevention/epidemiology/registry system

(14 : 25~15 : 25)

Chair: K. Udagawa

- 2-10-030-1 What are the clinical outcomes and continuation rates of lomosozumab for fracture prevention and osteoporosis treatment?..... S372
The Dept. of Orthop. Surg., Karatsu Red Cross Hosp., Karatsu, Japan Takahiro Inoue
- 2-10-030-2 New material property conversion equation for bonestrength measurement for CT based finite element modeling ~Including cortical bone~ S372
Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ., Chiba, Japan Jo Watanabe
- 2-10-030-3 Effect of abstract template in annual meeting of the Japanese society for fracture repair S373
Dept. of Orthop. Surg., Miyamoto Orthop. Hosp., Okayama, Japan Norio Yamamoto
- 2-10-030-4 Factors associated with return to work in patients with musculoskeletal trauma: a multi-center cohort study S373
Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Keisuke Ishii
- 2-10-030-5 Open fractures due to the work-related accidents S374
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Japan Seigo Suganuma
- 2-10-030-6 Status of osteoporosis assessment and treatment after Fragility Fractures S374
Dept. of Orthop. Surg., Sanda City Hosp., Hyogo, Japan Shin Osawa
- 2-10-030-7 Evaluation of the timing for pediatric fractures that have undergone surgery in our hospital S375
Dept. of Orthop. Surg., Kyorin Univ. School of Medicine Motoki Abe

Oral 31 Complications

(15 : 30~16 : 30)

Chair: N. Maegawa

- 2-10-031-1 Iatrogenic radial nerve injury caused by metal shavings: A case report ... S375
Dept. of Orthop. Surg., Kanazawa Univ., Kanazawa, Japan Kaoru Tada
- 2-10-031-2 Two cases of fat embolism syndrome associated with severe trauma S376
Advanced Critical Care and Emergency Center, Yokohama City Univ. Medical Center, Kanagawa, Japan
Masahiro Matsumoto
- 2-10-031-3 Two cases of multiple periarticular fractures caused by convulsive seizures
..... S376
Chubu Tokushukai Hosp. Shoichiro Yamashiro
- 2-10-031-4 A case of humeral fracture caused by nail removal of Titanium Elastic
Nail S377
Chiba Children's Hosp. / Trauma and Reconstruction Center, Teikyo Univ. Hosp. Tomoo Nakagawa
- 2-10-031-5 Pseudoaneurysms after surgery for trochanteric fracture of the femur ... S377
Dept. of Orthop. Surg., Kansai Medical Univ., Osaka, Japan Ken Ashida
- 2-10-031-6 The effectiveness of scheduled postoperative intravenous acetaminophen for
orthopedic trauma surgery S378
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan / Trauma and Reconstruction Center,
Teikyo Univ. School of Medicine, Tokyo, Japan Shigeaki Endo
- 2-10-031-7 Necessity of re-education for the instructors to the treatments of the common
fractures S378
Dept. of Orthop. Surg., Hakujuikai General Hosp., Tokyo, Japan Masataka Uchino

Oral 32 Originality

(16 : 35~17 : 35)

Chair: Y. Zenke

- 2-10-032-1 The criteria of self-anesthesia for hip fracture S379
 Kitakyushu General Hosp. Natsuki Hara
- 2-10-032-2 Tourniquet pressure at pediatric limb operation S379
 Dept. of Orthop. Surg., Kagoshima City Hosp., Kagoshima, Japan Takashi Setoyama
- 2-10-032-3 Effectiveness of pregabalin in pain of Ilizarov external fixation S380
 Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine, Akita, Japan Koji Nozaka
- 2-10-032-4 Two cases of open tibial fractures with deep degloving soft tissue injury (Deep
 DSTI) healed using CLAP S380
 Dept. of Orthop., Chiba Emergency Medical Center, Chiba, Japan Daisuke Himeno
- 2-10-032-5 Utilization of 3D printer in fracture treatment S381
 Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Japan Munetomo Takata
- 2-10-032-6 Experiences of Lower extremity operation on Nerve Block S381
 Ome Municipal General Hosp., Tokyo, Japan Senichi Ishii
- 2-10-032-7 Therapeutic effects of carbon dioxide percutaneous absorption therapy after
 hand trauma S382
 The Dept. of Emergency Medicine and Extremities Trauma Center, Univ. of Occupational and
 Environmental Health, Japan Yukichi Zenke

Day2 • Room 11 (PACIFICO YOKOHAMA, Conference Center 3F 315)

Hands-on Seminar 3 Tips and pitfalls of tumor prosthesis in 2022: Can traumatologists perform Surg. for pathological fractures?

(8 : 00~10 : 00)

Chair: H. Kawano

2-11-HS3-1

Dept. of Orthop. Surg., Teikyo Univ. School of Medicine

Jungo Imanishi

2-11-HS3-2

Dept. of Orthop. Surg., Teikyo Univ. School of Medicine

Kentaro Matsui

Hands-on Seminar 5 Rigid fixation with a percutaneous approach can be achieved by "JuNction"!

(14 : 00~15 : 30)

Chairs: K. Tajima
T. Yasuda

2-11-HS5-1

Dept. of Orthop. Surg., Tokyo Women's Medical Univ., Adachi Medical Center

Kosuke Tajima

2-11-HS5-2

Showa Univ. Fujigaoka Hosp.

Tomohiro Yasuda

Day2 • Room 12 (PACIFICO YOKOHAMA, Conference Center 4F 411+412)

Hands-on Seminar 4 Suturing technique in shoulder arthroplasty for proximal humeral fracture

(9 : 30~11 : 30)

Chairs: N. Matsumura
A. Urita

2-12-HS4-1

Keio Univ. Noboru Matsumura

2-12-HS4-2

Dokkyo Medical Univ. Atsushi Urita

Hands-on Seminar 6 Cemented hemiarthroplasty for femoral neck fracture

(14 : 00~15 : 30)

2-12-HS6-1

Dept. of Orthop Surg., Yamagata Saisei Hosp. Kan Sasaki

2-12-HS6-2

Dept. of Orthop. Surg., Kansai Medical Univ. Tomohisa Nakamura

2-12-HS6-3

Dept. of Orthop. Surg., Kyoto Univ. Toshiyuki Kawai

2-12-HS6-4

Dept. of Rheumatology, Tottori Red Cross Hosp. Yuji Kishimoto

Day 2
Room 11

Day 2
Room 12