

Program

Day 1 June 24 (Fri)

Day1 • Room 1 (PACIFICO YOKOHAMA, Conference Center 1F Main Hall)

Quick Review Quick review of the Papers in 2021

(7 : 15~8 : 15)

Chairs: H. Inoue
S. Kitada

- 1-1-QR-1 Pathological fracture S24
Dept. of Emergency and Critical Care Center, Kyushu Univ. Hosp. Kenta Momii
- 1-1-QR-2 Acute compartment syndrome S24
Dept. of Orthop. Surg., Jikei Univ. Kashiwa Hosp. Naoya Inagaki
- 1-1-QR-3 Open fracture S24
Gifu Univ. Advanced Critical Care Center Norihide Kanda
- 1-1-QR-4 Proximal tibial fracture S24
Dept. of Critical and Emergency Medicine, Keio Univ. Hosp. Kazuhiko Udagawa
- 1-1-QR-5 Clavicle fracture S24
Dept. of Orthop., Gamagori City Hosp. Yoichi Sato

Educational Lecture 1

(9 : 15~10 : 15)

Chair: N. Takahira

- 1-1-EL1-1 The road of early operative treatment for femoral proximal fracture S6
Dept. of Orthop. Surg., Saiseikai Yokohmashi Tobu Hosp. Atsushi Funayama

Educational Lecture 2

(10 : 30~11 : 30)

Chair: S. Nomoto

- 1-1-EL2-1 Arthroscopic osteosynthesis for the tibial plateau fractures S7
Fukuoka Orthop. Hosp. Masami Tokunaga

Noontime Lecture 1

(12 : 00~13 : 00)

Chair: M. Matsuura

- 1-1-NL1-1 A cemented stem is proposed in the 3rd edition of the guidelines for femoral neck fractures in Japan S127
Dept. of Orthop. Surg., Juntendo Univ., Tokyo, Japan Tomonori Baba

Special Lecture

(13 : 30~14 : 30)

Chair: H. Ikegami

- 1-1-SL-1 Treatment for fracture non-union and infected non-union S3
Health Insurance Claims Review & Reimbursement Services Takashi Sasaki

Educational Lecture 3

(15 : 00~16 : 00)

Chair: H. Kawano

- 1-1-EL3-1 Treatment of Pathological Fractures S8
-Orthopaedic Tumor Surgeon and Orthopaedic Trauma Surgeon-
Dept. of Orthop. Surg., Faculty of Medicine, Dentistry and Pharmaceutical Sciences, Okayama Univ.
Toshifumi Ozaki

Invited Lecture 1

(16 : 20~17 : 20)

Chair: H. Ikegami

- 1-1-IL1-1 Understanding fractures of the proximal humerus and its treatment options S4
Prof. Hertel's Shoulder & Elbow Center Ralph Hertel

Day1 • Room 2 (PACIFICO YOKOHAMA, Conference Center 5F 503)

Panel Discussion 1 Countermeasures for surgery amidst the COVID-19 pandemic

(8 : 30~10 : 00)

Chairs: T. Kurozumi
T. Maehara

- 1-2-PD1-1 Surgical management for fractures in patients with COVID-19S71
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan
Shunsuke Takahara
- 1-2-PD1-2 Did the number of emergency patients and patients with proximal femur
fractures decrease under the epidemic of COVID-19?
-Comparison before and after the COVID-19 epidemic-S72
Tohoku Rosai Hosp., Sendai, Japan Hiroaki Ogawa
- 1-2-PD1-3 About the treatment of trochanteric fracture of the femur of our hospital in the
Coronavirus disease epidemicS73
Public Nishichita General Hosp. Takahiro Suzuki
- 1-2-PD1-4 Proximal Femoral Fracture under COVID-19 measuresS74
The Orthop., Nagano Matsushiro General Hosp., Nagano, Japan Jun Kitahara
- 1-2-PD1-5 The Change of days waiting for surgery for femoral trochanteric fractures at
our hospital, Under COVID-19S75
The Dept. of Orthop., Miyazaki Prefectural Nobeoka Hosp., Miyazaki, Japan Kazuaki Ishihara

Panel Discussion 2 Treatment strategies for fragility fractures of the pelvis

(10 : 10~11 : 40)

**Chairs: T. Noda
Y. Ueda**

- 1-2-PD2-1 Treatment of Fragility fractures of pelvis using a posterior locking plate fixation S76
Kawasaki Hosp. Masahiro Shirahama
- 1-2-PD2-2 The diagonal intersection of the sacral vertebral bodies in the intraoperative fluoroscopic lateral view can be an indicator for easy and safe insertion of the TITS S77
Orthop. Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Masahiro Nishida
- 1-2-PD2-3 Clinical result of operative treatment for fragility fracture of pelvis S78
Fukuyama City Hosp. Dept. of Orthop. Surg. Ryu Tamura
- 1-2-PD2-4 Functional treatment strategy for fragility fractures of the pelvis S79
Amagi Chuo Hosp., Fukuoka, Japan / Karatsu Red Cross Hosp., Saga, Japan Kensuke Hotta
- 1-2-PD2-5 Comparison of conservative and surgical treatment of displaced fragility fractures of the pelvis S80
Dept. of Orthop. Surg., Tokyo Medical Univ. Ibaraki Medical Center, Ibaraki, Japan Yusuke Eda
- 1-2-PD2-6 Treatment strategy for fragility fractures of the pelvis in the elderly in our hospital S81
Dept. of Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Hyogo, Japan Takahiro Oda

Noontime Lecture 2

(12 : 00~13 : 00)

Chair: Y. Watanabe

- 1-2-NL2-1 Hip fracture Japanese Best Practice Tariff
– You can do it if you do it this way – S128
Kitakyushu General Hosp. Fumio Fukuda

Symposium 1 Treatment policy gleaned from imaging of unstable femoral trochanteric fractures

(14 : 30~16 : 00)

**Chairs: M. Tokunaga
T. Miyamoto**

- 1-2-SY1-1 The morphological characteristics of posterior fragment associated with postoperative sagittal swing motion of short femoral nail in the treatment of pertrochanteric fractures S27
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Ryota Nishida
- 1-2-SY1-2 The influence of posterolateral fractures on postoperative clinical results in femoral trochanteric fracture S28
Orthop. and Surg. of the Hand, Nagoya Ekisaikai Hosp., Aichi, Japan Mihoko Kato
- 1-2-SY1-3 Cement augmentation enables early recovery of gait in unstable femoral trochanteric fractures S29
Nagoya Medical Center, Aichi, Japan Yusuke Iesaki
- 1-2-SY1-4 Early gait acquisition effect by fixation of posterolateral bone fragments in femoral trochanteric fracture using OLSA S30
Dept. of Orthop. Surg., Saiseikai Yokohamashi Tobu Hosp. Toshiyuki Ogata
- 1-2-SY1-5 The ratio of unstable type in pertrochanteric fractures
-About 40% are unstable in CT classification, and half of them are expected to be difficult to reduce- S31
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Ryota Nishida
- 1-2-SY1-6 Treatment of unstable femoral trochanteric fractures with APOLLOFIX with posterolateral fragment support mechanism S32
Dept. of Orthop. Surg., Yokohama-Asahi General Hosp., Yokohama, Japan Mitsutoshi Sagara

National hip fracture database report and history of FFN Global and FFN Japan

(16 : 10~17 : 10)

Chair: T. Sawaguchi

- 1-2-FF-1 Background of the establishment of FFN Global and FFN Japan and its activities to date S25
Trauma and Reconstruction Center, Shinyurigaoka General Hosp. Takashi Matsushita
- 1-2-FF-2 The Challenge of National Hip Fracture Database in Fragility Fracture Network Japan S26
The Dept. of Orthop. Surg., Niigata Rehabilitation Hosp. Noriaki Yamamoto

Day1 • Room 3 (PACIFICO YOKOHAMA, Conference Center 5F 501)

Symposium 2 Treatment of cervical spine injuries (upper/mid-to-lower) in the elderly

(8 : 30~10 : 00)

Chairs: M. Doita
H. Takahashi

- 1-3-SY2-1 Examination of cervical spine injury in the elderly at the advanced critical care and emergency center S33
Advanced Critical Care and Emergency Center, Yokohama City Univ. Medical Center, Kanagawa, Japan
Masahiro Matsumoto
- 1-3-SY2-2 Acute posterior decompression and fixation for cervical spinal cord injury in elderly DISH patients S34
Emergency and Critical Care Medicine, Saitama Medical Center, Saitama Medical Univ., Kawagoe, Japan
Koichi Inokuchi
- 1-3-SY2-3 Cervical vascular injuries associated with cervical spine and cervical cord trauma S35
Kansai Medical Univ. Hosp. Emergency Medical Center, Osaka, Japan / Dept. of Emergency and Critical Care Medicine, Kansai Medical Univ. Hosp., Osaka, Japan Atsunori Onoe
- 1-3-SY2-4 A Study of Cervical Spine Injuries in the Elderly at our Hospital S36
Spine Center, Ohashi Medical Center, Toho Univ., Tokyo, Japan Keisuke Ito
- 1-3-SY2-5 JOACMEC is useful for assessing treatment outcomes in cervical spinal cord injury without major bone injury S37
Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan / Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan Tatsuhisa Takekawa

Symposium 3 Osteoporotic vertebral fractures treatment strategies

(10 : 10~11 : 40)

Chairs: K. Inokuchi
Y. Tamaki

- 1-3-SY3-1 Influence of bone bridging on fracture morphology and fracture level in spine fractures in the elderly S38
The Dept. of Orthop. Surg., Murayama Medical Center Mitsuru Furukawa
- 1-3-SY3-2 A retrospective study of the BKP by the double balloon method S39
JA Toyama Kouseiren Takaoka Hosp., Toyama, Japan Shumpei Okamoto
- 1-3-SY3-3 Multidisciplinary team interventions can provide early pain relief and improve ADL in the treatment of vertebral fractures S40
Dept. of Orthop. Surg., Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 1-3-SY3-4 Extraction of vertebral fractures by trabecular bone score (TBS) S41
Dept. of Orthop. Surg., Tokushima Univ., Japan Yasuyuki Omichi
- 1-3-SY3-5 Examination of risk factors for new vertebral compression fractures using dual-energy X-ray absorptiometry and Fracture Risk Assessment Tool S42
Dept. of Orthop. Surg., Yokohama Ekisaikai Hosp. Masamitsu Tomioka

Noontime Lecture 3

(12 : 00~13 : 00)

Chair: A. Sudo

- 1-3-NL3-1 Osteoporosis up to date..... S129
 The Jikei Univ. School of Medicine, Dept. of Orthop. Surg., Tokyo, Japan Mitsuru Saito

Panel Discussion 3 Atypical fractures: Current status & challenges

(14 : 30~16 : 00)

Chairs: A. Sudo
T. Niikura

- 1-3-PD3-1 Incidence and medical management of atypical femoral fractures in a university hospital : Are atypical femoral fractures preventable?S82
 Dept. of Emergency and Critical Care Medicine, Keio Univ. School of Medicine Kazuhiko Udagawa
- 1-3-PD3-2 Prevalence of precursory signs for atypical femoral fractures in bone metastatic patients with bone-modifying agent use: A cross-sectional study S83
 Dept. of Orthop. and Spinal Surg., Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ., Tokyo, Japan Takumi Kaku
- 1-3-PD3-3 Examination of treatment for atypical femoral fractures S84
 Orthop., Meijibashi Hosp., Osaka, Japan Kunihiro Suzuki
- 1-3-PD3-4 Open reduction for atypical femoral fractures including periprosthetic fractures S85
 Onomichi Municipal Hosp. Yukimasa Okada
- 1-3-PD3-5 A case of performing TAVI and osteosynthesis on the same day against atypical femoral fracture with severe aortic stenosis S86
 The Dept. of Orthop. Surg., Kurume Univ. Hosp., Kurume, Japan Hikaru Kitagawa
- 1-3-PD3-6 Ipsilateral femoral neck fracture after treatment of atypical femoral fracture S87
 Sakai Medical Center, Orthop. Surg., Sakai, Japan Kouki Hosozawa

Evening Seminar 1

(16 : 00~17 : 20)

Chair: K. Ikeda

- 1-3-ES1-1 UPDATE on diagnosis and treatment of carpal bone fracture and nonunion S153
 The Dept. of Orthop. Showa Univ. Northern Yokohama Hosp. Keikichi Kawasaki

Day1 • Room 4 (PACIFICO YOKOHAMA, Conference Center 5F 502)

Symposium 4 Distal radius fractures

(8 : 30~10 : 00)

Chairs: Y. Abe
K. Kawasaki

- 1-4-SY4-1 Arthroscopic Reduction Technique for Lunate Facet Fragment of Distal Radius Fractures S43
Dept. of Orthop. Surg., School of Medicine, Kurume Univ., Japan Shiro Yoshida
- 1-4-SY4-2 Intra-articular screw penetration after volar locking plate fixation for distal radius fractures S44
Hand and Elbow Surg. Center, Dept. of Orthop. Surg., Kawasaki Municipal Kawasaki Hosp. Masao Nishiwaki
- 1-4-SY4-3 Comparison with Different Mechanism Locking Plate Fixation for Volarly Displaced Intra-articular Fractures of Distal Radius with Volar Lunate Facet Fragments S45
Dept. of Orthop. Surg. and Hand Surg. Center, International Goodwill Hosp. Kozo Morita
- 1-4-SY4-4 The Possibility of Repairing Distal Radius Fracture Accompanied by Volar Rim Fragment with Sole Use of Initial R Xpert24 Volar Rim Plate S46
Dept. of Orthop. Surg., Hand Surg. and Trauma Reconstruction Center, Juntendo Univ. Urayasu Hosp., Chiba, Japan Satoshi Ichihara
- 1-4-SY4-5 Clinical significance of the image fusion system in the osteosynthesis of distal radius fractures S47
Dept. of Orthop. Surg., Tokyo Medical Univ. Ibaraki Medical Center Yuichi Yoshii
- 1-4-SY4-6 Volar plating for distal radius fractures using drill sleeve with locking mechanism and Lowman bone holding clamps S48
Dept. of Orthop. Surg., Tokyo Saiseikai Central Hosp., Tokyo, Japan Makoto Kameyama

Symposium 5 Treatment strategies for elbow dislocation with fractures

(10 : 10~11 : 40)

**Chairs: J. Imatani
S. Iwabu**

- 1-4-SY5-1 Surgical approach for elbow fracture-dislocation injury according to its patterns of injury S49
The Dept. of Orthop. Surg., Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp.
Hideyoshi Sawada
- 1-4-SY5-2 Clinical results and complications of the hinged external fixation for the treatment of unstable elbow fracture dislocations S50
Hand Surg. Center, National Hosp. Organization Murayama Medical Center, Tokyo, Japan Naoki Kato
- 1-4-SY5-3 Treatment of dislocation fractures of the elbow joint at our clinic: suture button fixation for coronoid fractures and treatment of difficult cases of proximal radius fractures S51
Dept. of Orthop. Surg., Yao Tokushukai General Hosp. Yoshihiro Dohi
- 1-4-SY5-4 Surgical approaches of posterior olecranon fracture dislocations based on osteoligamentous injuries: a retrospective case series S52
Orthop. Trauma Center, Shonan Kamakura General Hosp. Kentaro Futamura
- 1-4-SY5-5 Clinical status of complex elbow instability S53
The Dept. of Orthop. Surg., Omut City Hosp., Omutal, Japan Kensuke Sakai

Noontime Lecture 4

(12 : 00~13 : 00)

Chair: J. Imatani

- 1-4-NL4-1 Casting and splinting technique for conservative treatment of fractures... S130
The Dept. of Orthop. Surg., Nishinomiya Watanabe Hosp., Nishinomiya, Japan Satoshi Takahata

Panel Discussion 4 AI and Diagnostic Imaging

(14 : 30~16 : 00)

**Chairs: K. Sato
M. Ito**

- 1-4-PD4-1 Examination of a nearly free method using 3DCT for offset nail selection in proximal femoral fracture surgery S88
Dept. of Orthop. Surg., Fushimi-Momoyama Hosp., Kyoto, Japan Ikufumi Yamada
- 1-4-PD4-2 Prediction of tibial shaft delayed union and nonunion using artificial intelligence S89
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan Shunsuke Takahara
- 1-4-PD4-3 The combination of digital templates and 3DCT lateral views can lead to useful surgical strategies for femoral trochanteric fractures with lateral wall fractures S90
Dept. of Orthop. Surg., Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 1-4-PD4-4 Effectiveness of ultrasonographic evaluation for nerve palsies associated with humeral fractures during the operation S91
Dept. of Orthop. Hand and Microsurg. Center, Osaka Ekisaikai Hosp. Yoshitaka Tanaka
- 1-4-PD4-5 Echocardiographic and radiographic features of the Pink Pulseless Hand in pediatric supracondylar fractures of the humerus S92
Dept. of Orthop. Surg., Fujigaoka Hosp. Showa Univ. Tomohiro Yasuda
- 1-4-PD4-6 Improvement of results of Jensen classification for intertrochanteric fracture using deep learning S93
The Dept. of Orthop., Nishi Hosp. Mitsuaki Noda

Evening Seminar 2

(16 : 00~17 : 20)

Chair: N. Takenaka

- 1-4-ES2-1 Effectiveness of LIPUS in bone reconstruction with severe fragility fracture and extremity trauma S154
Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine Koji Nozaka

Day1 • Room 5 (PACIFICO YOKOHAMA, Conference Center 3F 301)

Award-Nominated Presentations

(8 : 30~10 : 00)

Chairs: E. Shoda
A. Mogami

- 1-5-AW-1 Location of fractures and bone mineral density in patients with rheumatoid arthritis: A retrospective cohort study S121
Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Ryo Okada
- 1-5-AW-2 Biomechanics of the ulno-dorsal fragment in distal radius fractures S121
Dept. of Hand Surg., Nagoya Univ., Nagoya, Japan Hidemasa Yoneda
- 1-5-AW-3 To be negative deep tissue culture is a good indicator of appropriate debridement surgery S122
Dept. of Musculoskeletal Traumatology and Reconstructive Surg., Hiroshima Univ. Rikuo Shinomiya
- 1-5-AW-4 Gram-negative antibiotic coverage in Gustilo type III open fractures does not reduce surgical site infection: analysis of DOTJ registry S122
Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Takashi Suzuki
- 1-5-AW-5 Examination of surgical treatment for Vancouver classification Pseudo AL, B2 and Baba classification 1A using finite element analysis S123
Dept. Orthop. Surg., Oyumino Central Hosp. / Dept. of Orthop. Surg., Eastern Chiba Medical Center Takayuki Nakajima
- 1-5-AW-6 Postoperative activities of daily living in elderly patients with proximal femur fractures are associated with pre-hospital living arrangements, bone mineral density, malnutrition and psychiatric disorders S123
Dept. of Orthop. Surg., Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 1-5-AW-7 Reliability of 683 patients intertrochanteric fracture with AO classification -XP vs CT- S124
The Dept. of Orthop., Nishi Hosp. Mitsuaki Noda
- 1-5-AW-8 The morphological characteristics of posterior fragment associated with postoperative sagittal swing motion of short femoral nail in the treatment of pertrochanteric fractures S124
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Ryota Nishida

Day 1
Room 4

Day 1
Room 5

Main Theme 1 Femoral trochanteric fractures (1)

(10 : 20~11 : 20)

Chair: Y. Yamakawa

- 1-5-MT1-1 Difference of gamma nailing spot on gluteus medius -tip of greater trochanter vs Bald spot S157
The Dept. of Orthop., Nishi Hosp. Mitsuaki Noda
- 1-5-MT1-2 Comparative study of the lag screw ruote between the offset nail and the straight nail in trochanteric fracture S157
Dept. of Orthop. Surg., Toyamakensaiseikaitakaoka Hosp. Junya Yoshitani
- 1-5-MT1-3 142mm True Japanese MIYABI-Nail for the Elderly; Clinical Results of 279 Cases S158
Ibaraki Prefectural Central Hosp. Hiroshi Hayashi
- 1-5-MT1-4 Blade anteversion of femoral trochanteric fracture treated by TFNA long nail S158
The Dept. of Orthop. Surg., Higashisumiyoshimorimoto Hosp., Osaka, Japan Makoto Oka
- 1-5-MT1-5 Examination of the suitability of offset nails for femoral trochanteric fractures S159
Dept. of Orthop. Surg., Kumamoto Chuo Hosp., Kumamoto, Japan Yasuyuki Abe
- 1-5-MT1-6 Clinical outcomes of femoral trochanteric fractures tereated with ASULOCK S159
Dept. of Orthop. Surg., Suzuka General Hosp., Mie, Japan Masakazu Morikawa

Noontime Lecture 5

(12 : 00~13 : 00)

Chair: M. Tokunaga

- 1-5-NL5-1 Fixation of posterior lateral fragment of trochanteric femoral fractures -How and why do we fix it?- S131
The Dept. of Orthop. Surg., Kainan Hosp., Yatomi, Japan Naoya Takada
- 1-5-NL5-2 The effect of posterolateral fragment on the treatment of trochanteric femoral fracture: a biomechanical study S132
Nagoya City Univ. East Medical Center, Aichi, Japan Takuya Usami

Main Theme 2 Femoral subtrochanteric fractures

(14 : 30~15 : 30)

Chair: K. Oe

- 1-5-MT2-1 Examination of the risk of delayed union and nonunion that occur in AO/OTA 31A3 fractures treated with middle femoral nail S160
Kimitsu Chuo Hosp., Chiba, Japan Hiroki Funaishi
- 1-5-MT2-2 Is the cement augmentation effective for the treatment of subtrochanteric fractures? S160
Dept. of Orthop. Surg., Shikoku Medical Center for Children and Adults Takahiro Sasa
- 1-5-MT2-3 New generation Reconstruction nail for femoral subtrochanteric fracture S161
Senri Hosp., Saiseikai, Osaka, Japan Akane Koyama
- 1-5-MT2-4 Conformity of Long Nails with strong curvature to the femur
- Postoperative evaluation Using CT S161
Kagawa Rosai Hosp., Kagawa, Japan Tomoki Uzu
- 1-5-MT2-5 Treatment experience of subtrochanteric fracture of femur in lateral position S162
Nagasaki Medical Center Keita Yamaguchi

Main Theme 3 Femoral trochanteric fractures (2)

(15 : 40~16 : 40)

Chair: T. Mae

- 1-5-MT3-1 Insertion of anterior support screw (AS2) with ZNN CM Fortis nail for femoral trochanteric fractures S162
The Dept. of Orthop. Surg., National Hosp. Organization, Iwakuni Medical Center, Yamaguchi, Japan Kouki Kawada
- 1-5-MT3-2 Accuracy verification of posterolateral fragment fixation of femoral intertrochanteric fracture using APOLLOFIX® S163
Dept. of Orthop. Surg., Kashiba Seiki Hosp. Yoshiharu Kusabiraki
- 1-5-MT3-3 Treatment for femoral trochanteric fracture using ASULOCK S163
Dept. of Orthop., Chikamori Hosp., Kochi, Japan Takashi Inokuchi
- 1-5-MT3-4 The study of retrograde cement filling in TFNA cement augmentation ... S164
Kaneda Hosp. Yusuke Mochizuki
- 1-5-MT3-5 The effect of cement augmentation for preventing varus deformity after intramedullary fixation TFNA in pertrochanteric fracture S164
Dept. of Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Hyogo, Japan Shin Yoshida
- 1-5-MT3-6 The Changes of the postoperative reposition in femoral trochanteric fractures treated by ASULOCK S165
Kyoto Tanabe Central Hosp., Kyoto, Japan / Akashi City Hosp., Hyogo, Japan Taisuke Kunitomo

Main Theme 4 Femoral trochanteric fractures (3)

(16 : 50~17 : 50)

Chair: Y. Yasuhara

- 1-5-MT4-1 The combination of lag crown reamer and augmentation prevents postoperative anterior wall fractures in intramedullary nailing of femoral intertrochanteric fractures S165
Dept. of Orthop. Surg., Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 1-5-MT4-2 Evaluation for the reduction position of the femoral trochanteric fractures by the new technique using the custom order awl..... S166
Dept. of Orthop. Surg., Asao General Hosp. Toshiro Yonezawa
- 1-5-MT4-3 A Comparative Study of Postoperative Outcome of Middle Nail and Long Nail for Femoral Intertrochanteric Fractures S166
Dept. of Orthop. Surg., Kochi Prefectural Hata Kenmin Hosp. Dai Ohira
- 1-5-MT4-4 Effect of hydroxyapatite tubes on the lag screw intraoperative insertion torque for the treatment of intertrochanteric femoral fractures S167
Dept. of Orthop. Surg., Kainan Hosp. Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Yatomi, Japan Hidetoshi Iwata
- 1-5-MT4-5 Three cases of penetrating fractures of the femoral metatarsus requiring open reduction internal fixation S167
Dept. of Orthop. Surg., Jichi Medical Univ. Hosp., Tochigi, Japan Takamitsu Ooyama
- 1-5-MT4-6 The diagnostic potential of unstable pertrochanteric femoral fractures using artificial intelligence -Prediction from radiographs to CT classification- ... S168
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Ryota Nishida

Day1 • Room 6 (PACIFICO YOKOHAMA, Conference Center 3F 302)

Main Theme 5 Thoracic cage fractures & Scapula fractures

(8 : 30~9 : 30)

Chair: T. Mondori

- 1-6-MT5-1 Shoulder instability of Ideberg type I glenoid fractures..... S168
 Dept. of Orthop. Sugery, Chugoku Rosai Hosp., Hiroshima, Japan Yoshihiro Nakamura
- 1-6-MT5-2 Supination or pronation displacement remaining in scapular body fracture
 causes limitation of shoulder joint range of motion S169
 Hyogo Emergency Medical Center, Dept. of Orthop. Surg., Kobe City, Japan Keitaro Tada
- 1-6-MT5-3 Evaluation of the position of a cannulated cancellous screw for coracoid process
 fracture S169
 Dept. of Orthop. Surg., Tokai Univ. School of Medicine Takeshi Imai
- 1-6-MT5-4 Surgical treatment of scapular glenoid fracture Ideberg-Goss classification
 type V and VI S170
 Dept. of Orthop. Surg., Surgical Science, Tokai Univ. School of Medicine, Kanagawa, Japan
 Shiho Wasai
- 1-6-MT5-5 Experience of using Matrix RIB for Multiple Rib Fractures..... S170
 Sakai City Medical Center, Osaka, Japan Masanori Kawamoto
- 1-6-MT5-6 Outcomes and challenges of osteosynthesis using the Matrix rib plate system@
 for multiple rib fractures S171
 Emergency and Critical Care Medicine, Saitama Medical Center, Saitama Medical Univ. Yuta Tanuma

Day 1
Room 5

Day 1
Room 6

Main Theme 6 Clavicle fractures (1)

(9 : 40~10 : 40)

Chair: S. Oki

- 1-6-MT6-1 Long-term consequence of conservative treatment for midshaft clavicle fractures S171
The Dept. of Orthop. Chugoku Rosai Hosp., Kure, Japan Yuki Matsubara
- 1-6-MT6-2 Clinical results of anterior inferior MIPO using VA-LCP Anterior Clavicle Plate for clavicle diaphyseal fracture S172
Dept. of Orthop. Surg., Tokushima Prefectural Kaifu Hosp., Tokushima, Japan Hayato Hamaguchi
- 1-6-MT6-3 Surgical Treatment of the Clavicle shaft fracture with Flex-Thread Clavicle Nail S172
Dept. of Orthop. Surg., Fujita Health Univ., Aichi, Japan Yusuke Kawano
- 1-6-MT6-4 Orthogonal double-plate fixation for nonunion of midshaft clavicle fractures: A report of 3 cases S173
Dept. of Orthop. Surg., Keijinkai Shiroyama Hosp. Sang Yang Lee
- 1-6-MT6-5 Refracture after plate removal in displaced midshaft clavicle fractures after bony union..... S173
Dept. of Orthop. Surg., Chiba Rosai Hosp., Chiba, Japan Koji Akimoto
- 1-6-MT6-6 Whether general anesthesia surgery or local anesthesia only surgery is useful for plate nail removal after clavicle fracture: A patient questionnaire survey S174
The Dept. of Orthop., Shizuoka City Shimizu Hosp., Shizuoka, Japan Yuki Uraya

Main Theme 7 Clavicle fractures (2)

(10 : 50~11 : 50)

Chair: K. Sakai

- 1-6-MT7-1 Treatment and postoperative results for distal clavicle fracture with Coraco-Clavicular Suspension S174
Itabashi Chuo Medical Center, Tokyo, Japan Kohei Miyashita
- 1-6-MT7-2 Crenical results of SCORPION for distal clavicle fracture. Medium-term report for an average of 5 years after operation..... S175
Dept. of Orthop. Surg., Akashi Medical Association Akashi Medical Center, Hyogo, Japan Shin Osawa
- 1-6-MT7-3 Tension band wiring for distal clavicle fractures S175
Dept. of Orthop. Surg., Mazda Hosp., Hiroshima, Japan Chikara Watanabe
- 1-6-MT7-4 Retrospective comparison of clinical outcomes and radiological findings between Clavicle hook plate and Scorpion plate for unstable distal clavicular fractures S176
Dept. of Orthop. Surg., Surgical Science, Tokai Univ. School of Medicine, Kanagawa, Japan Naoki Takatori
- 1-6-MT7-5 Progress of muscle recovery after coracoclavicular ligament reconstruction for distal end clavicle fracture and acromioclavicular joint dislocation S176
Dept. of Orthop. Surg., Hiroshima Citizens Hosp., Hiroshima, Japan Koji Natsu
- 1-6-MT7-6 Novel fixation method for scaplothoracic dissociation with acromioclavicular dislocation S177
Orthop. Surg., Extremity Trauma Care Center, Osaka General Medical Center, Osaka, Japan Tatsuji Fujiwara

Noontime Lecture 6

(12 : 00~13 : 00)

Chair: H. Ikegami

- 1-6-NL6-1 Intramedullary nailing for proximal humeral fractures in Japanese S133
Dept. of Orthop. Surg., Keio Univ. School of Medicine Noboru Matsumura

Main Theme 8 Proximal humerus fractures (1)

(14 : 30~15 : 30)

Chair: T. Onizuka

- 1-6-MT8-1 The relationship of the medial fracture location of proximal humeral fractures and the displacement S177
Dept. of Orthop. Surg., Chugoku Rosai Hosp., Hiroshima, Japan Yoshihiro Nakamura
- 1-6-MT8-2 Deltoid Muscle atrophy following proximal humeral fracture S178
Dept. of Orthop. Surg., Kochi Health Sciences Center, Kochi, Japan Yasuaki Yamakawa
- 1-6-MT8-3 Withdrawn S178
- 1-6-MT8-4 Reduction of great tuberosity with suture anchor at locking plate for 3-part proximal humeral fracture S179
Dept. of Orthop., Izumiotsu Municipal Hosp., Osaka, Japan Yoshifumi Naka
- 1-6-MT8-5 The radiographic and clinical outcome of ORIF using the femoral head allograft for comminuted proximal humeral fractures S179
Dept. of Orthop., Rakushi Shimizu Hosp., Kyoto, Japan Kunimoto Fukunishi
- 1-6-MT8-6 Results of nail treatment for fractures of large greater tuberosity fractures in humeral neck fracture S180
Steel Memorial Hirohata Hosp., Hyogo, Japan Masato Kamimura

Main Theme 9 Proximal humerus fractures (2)

(15 : 40~16 : 40)

Chair: T. Shintaku

- 1-6-MT9-1 Surgical Strategy for Proximal humeral fracture S180
Dept. of Orthop., Juntendo Univ. Shizuoka Hosp. Shuichi Moriya
- 1-6-MT9-2 Experience in the treatment of arterial injuries associated with proximal humerus fractures S181
The Dept. of Emergency and Critical Care Medicine, Nara Medical Univ., Nara, Japan Hiroshi Okada
- 1-6-MT9-3 Treatment for proximal humeral fractures in elderly and consideration of poor outcome factors S181
Dept. of Orthop. Surg., Kashibaseiki Hosp., Osaka, Japan Akira Sawada
- 1-6-MT9-4 The results of our treatment for proximal humerus fracture by AFFIXUS natural nail S182
The Dept. of Orthop. Surg., Chikamori Hosp., Kochi, Japan Kaoru Harada
- 1-6-MT9-5 Peri-stem Fracture after (Reverse) Total Shoulder Arthroplasty S182
Mazda Hosp. Masayoshi Deie

Day1 • Room 7 (PACIFICO YOKOHAMA, Conference Center 3F 303)

Main Theme 10 Tibial plateau fractures

(8 : 30~9 : 30)

Chair: K. Ishii

- 1-7-MT10-1 The incidence and treatment of soft tissue injuries in tibial plateau fractures S183
 Fukuoka Orthop. Hosp., Fukuoka, Japan Tetsuro Ushio
- 1-7-MT10-2 Surgical treatment of tibial plateau fracture using O-arm mobile CT:
 a case report S183
 Dept. of Critical Care and Emergency, Saitama Medical Univ. International Medical Center, Saitama, Japan
 Jun Kikkawa
- 1-7-MT10-3 Treatment of proximal tibial fractures with posterior fragments by ankle T
 plate S184
 Kumamoto Orthop. Hosp., Kumamoto, Japan Takuya Ikuta
- 1-7-MT10-4 A case of extended anterolateral approach combined with Lateral femoral
 epicondylar osteotomy for tibial plateau fracture with posterolateral bone
 fragments S184
 Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Kenji Taguchi
- 1-7-MT10-5 The experience of treatment of tibial plateau fracture with intramedullary nail
 and plate fixation S185
 Japanese Red Cross Narita Hosp., Chiba, Japan Shohei Kojima

Main Theme 11 Patella fractures

(9 : 40~10 : 40)

Chair: S. Toyoda

- 1-7-MT11-1 The review of factors leading to secondary OA after HIMAWARI surgery for
 comminuted patella fracture S185
 Steel Memorial Hirohata Hosp. Naotoshi Kumagai
- 1-7-MT11-2 Osteochondral autograft at an early stage for an open patella fracture with
 femoral cartilage injury: a case report S186
 Nippon Medical School Chiba Hokusoh Shock Trauma Center, Chiba, Japan Shudo Nakamura
- 1-7-MT11-3 Is it insufficient to manage comminuted patella fractures with Tension Band
 Wiring? S186
 Dept. of Orthop. Surg., Hyogo Emergency Medical Center, Kobe, Japan Yukihiisa Yagata
- 1-7-MT11-4 The clinical results of orthogonal plating for the comminuted patellar fractures
 using low profile mesh plate S187
 Orthop. Trauma Center, Hyogo Prefectural Nishinomiya Hosp. Shimpei Kitada

Day 1
Room 6

Day 1
Room 7

Main Theme 12 Malleolar fractures

(10 : 50~11 : 50)

Chair: K. Kanazawa

- 1-7-MT12-1 The comparison of surgical procedures including plate placement position in 71 open surgery for distal fibula fracture cases S187
The Dept. of Orthop. Surg., Ashikaga Red Cross Hosp., Tochigi, Japan Tsuyoshi Amemiya
- 1-7-MT12-2 Association between AOFAS and perioperative factors in ankle malleolar fractures with posterior malleolar fragment less than 25% S188
Dept. of Orthop. Surg., Miyamoto Orthop. Hosp., Okayama, Japan Norio Yamamoto
- 1-7-MT12-3 Functional repair of deep deltoid ligament using artificial ligament for complete rupture of the deltoid ligament in ankle joint dislocation Fractures. 3case report S188
Traumatology and Reconstructive Surg. Center, Fukushima Medical Univ., Fukushima, Japan / Traumatology and Reconstructive Surg. Center, Aizu Chuo Hosp., Fukushima, Japan
Yoshifumi Kawamae
- 1-7-MT12-4 Results of ankle fracture Weber type C at our hospital S189
Dept. of Orthop., Nagasaki Harbor Medical Center Yuichiro Nishino
- 1-7-MT12-5 Results of treatment of ankle fractures (Weber type C) S189
The Dept. of Orthop. Surg., Jichi Medical Univ., Tochigi, Japan Akinori Kimura

Noontime Lecture 7

(12 : 00~13 : 00)

Chair: T. Noda

- 1-7-NL7-1 Reconsidering wound closure in fracture treatment -from the basis to the advanced techniques- S134
Emergency Medicine, Jichi Medical Univ., Tochigi, Japan Tomohiro Matsumura

Main Theme 13 Pelvic ring fractures

(14 : 30~15 : 40)

Chair: T. Fukuhara

- 1-7-MT13-1 Clinical features of unstable pelvic ring fracture with massive blood transfusion S190
Dept. of Emergency Medicine, Kyorin Univ. School of Medicine / Dept. of Orthop. Surg., Kyorin Univ.
School of Medicine Narisaku Inada
- 1-7-MT13-2 Examination of risk factors for elderly pelvic ring fractures associated with high energy trauma S190
The Dept. of Orthop. Surg., Yokohama City Univ. Hosp., Kanagawa, Japan Daisuke Enomoto
- 1-7-MT13-3 4 cases of treatment results of the pelvic ring fractures combined with lower urinary tract injury S191
Saiseikai Fukuoka General Hosp. Orthop. Surg. / Kyushu Univ. Hosp. Emergency and Critical Care Center
Takuro Yara
- 1-7-MT13-4 Clinical outcomes in patients with unstable pelvic injuries S191
Dept. of Emergency Health Care and Disaster Medicine, Okayama Univ. Takenori Uehara
- 1-7-MT13-5 A case of staged operation to combined acetabulum and pelvic ring injury for obesity patient S192
Dept. of Critical Care Medicine and Trauma, National Disaster Medical Center Tsuyoshi Hishikawa
- 1-7-MT13-6 Insertion point of Subcristal pelvic external fixation in Pelvic ring fracture S192
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Ishikawa, Japan Kenji Fujita
- 1-7-MT13-7 Many of vertically unstable pelvic ring injuries can be treated by screw fixation S193
Saitama Medical Center Yasuhisa Ueda

Main Theme 14 Fragility fractures of the pelvis

(15 : 40~16 : 40)

Chair: K. Futamura

- 1-7-MT14-1 Comparison of supineCT and lateralCT fractures for fragility fractures of the pelvis S193
Kitakyushu General Hosp. Dept. of the Orthop. Surg. Okada Yasuaki
- 1-7-MT14-2 Surgical treatment for fragility fracture of pelvis improves proper load factor within 2weeks postoperatively S194
Dept. of Emergency Orthop. Trauma Surg., Fujita Health Univ. Hosp. Masahiro Yoshida
- 1-7-MT14-3 What affects the walking ability in elderly patients with acetabular fracture? S194
Altitude Emergency and Critical Care Medical Center, Oita Univ. Hosp., Oita, Japan
Tomonori Sakamoto
- 1-7-MT14-5 Our clinical outcomes of fragility fractures of the pelvis: Effect of waiting time to surgery on complications..... S195
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan /
Dept. of Orthop. Surg., Kyoto Kizugawa Hosp., Kyoto, Japan Naoyuki Horie
- 1-7-MT14-6 Surgical treatment for fragility fractures of the pelvis with spinal instrument S195
National Hosp. Organization Okayama Medical Center Yuya Eri

Main Theme 15 Pathological fractures associated with bone metastasis

(16 : 50~17 : 50)

Chair: J. Imanishi

- 1-7-MT15-1 3 cases of femoral head fractures induced from cancer treatment related bone disorder S196
Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General Hosp., Chiba, Japan Ukei Anazawa
- 1-7-MT15-2 Efficacy of the Mirels Score in Femoral Metastasis S196
The Dept. of Orthop. Surg., The Jikei Univ. Kashiwa Hosp., Kashiwa, Chiba Naoya Inagaki
- 1-7-MT15-3 Clinical study of preoperative skeletal muscle mass as a predictor of physical performance recovery following palliative surgery for spinal metastases S197
Dept. of Orthop. Surg., The Jikei Kashiwa Hosp., Chiba, Japan / Dept. of Orthop. Surg., The Jikei Univ.
School of Medicine, Tokyo, Japan Chikara Ushiku
- 1-7-MT15-4 Pathologic fracture of femoral osteosarcoma treated as lung cancer metastasis - a case report S197
Dept. of Orthop. Oncology and Surg., Saitama Medical Univ. International Medical Center, Saitama, Japan /
Dept. of Orthop. Surg., Saitama Medical Univ. Saitama Medical Center, Saitama, Japan Rei Akagawa
- 1-7-MT15-5 Prognostic value of BMI in long bone metastasis with impending fracture S198
Dept. of Orthop. Surg., Nihon Univ. School of Medicine, Tokyo, Japan Eiji Osaka
- 1-7-MT15-6 Prediction of femoral pathological fracture by combination of multiple methods S198
Dept. of Orthop. Surg., Tokushima Univ., Japan Yasuyuki Omichi

Day1 • Room 8 (PACIFICO YOKOHAMA, Conference Center 3F 304)

Oral 1 Ankle

(8 : 20~9 : 20)

Chair: Y. Samejima

- 1-8-01-1 A study of poor outcome cases of medial ankle fractures S281
 Orthop. Surg., Japanese Red Cross Musashino Hosp., Tokyo, Japan Shinya Adachi
- 1-8-01-2 A case of subtalar dislocation fracture with anterior talofibular ligament injury
 S281
 Dept. of Orthop. Surg., Furano Hosp., Furano City, Japan Go Sato
- 1-8-01-3 Effectiveness of temporary external fixation on ankle fracture-dislocation:
 Evaluation of long-term functional outcome S282
 Dept. of Orthop. Surg., Trauma Center, Saga-ken Medical Centre Koseikan, Saga, Japan
 Nobuaki Tsukamoto
- 1-8-01-4 Examination of the malreduction of posterior malleolus fragments in ankle
 fractures S282
 Okayama Rosai Hosp. Akihiro Kanamaru
- 1-8-01-5 A study of triplane fracture cases in our hospital..... S283
 Aichi Medical Center Nagoya First Hosp., Nagoya, Japan Tomoki Fujita
- 1-8-01-6 Postoperative outcomes of ankle fractures with early weight bearing S283
 Japanese Red Cross Society Wakayama Medical Center, Wakayama, Japan Naoki Takemoto
- 1-8-01-7 Surgical treatment of displaced epiphysial injuries of the distal tibia S284
 Dept. of Orthop. Surg., Suzuka General Hosp., Mie, Japan Yuichiro Nakayama

Day 1
Room 7

Day 1
Room 8

Oral 2 Fractures around the knee

(9 : 30~10 : 30)

Chair: T. Matsumoto

- 1-8-02-1 A case of femoral supracondylar fracture treated with a retrograde intramedullary nail and augmentation plate S284
Dept. of Orthop. Surg., Narita Red Cross Hosp. Takeshi Suzuki
- 1-8-02-2 Intra-articular osteotomy for treatment of complex tibial plateau fracture; A case report S285
Toukeikai Kyoritsu Hosp., Hokkaido, Japan Takashi Tsumura
- 1-8-02-3 Treatment of combined tibial plateau and shaft fracture S285
Dept. of Orthop. Surg., Okayama Univ. Graduate School of Medicine, Dentistry, and Pharmaceutical Science
Shiro Fukuoka
- 1-8-02-4 Osteosynthesis for Hoffa fracture using Periarticular Proximal Humerus Plate : Two Case Reports S286
The Dept. of Orthop. Surg., Asahi Univ. Hosp., Gifu, Japan Kazuki Yoshida
- 1-8-02-5 Adolescent distal femoral epiphysiolysis treated with Distal Femur Plate: a case report S286
Konan Medical Center, Hyogo, Japan Mahito Nishimura
- 1-8-02-6 A case of Hoffa's fracture developed in a femoral and tibial fracture at the same time treated by median approach S287
Dept. of Orthop. Surg., Senreikai Harima Hosp. Fumiaki Okada
- 1-8-02-7 Characteristics of osteoarthritis due to fracture as an indication for knee replacement surgery S287
Fukuoka Orthop. Hosp., Fukuoka, Japan Takahiro Yamaguchi

Oral 3 Pilon fractures & Distal lower leg fractures

(10 : 40~11 : 40)

Chair: K. Ogawa

- 1-8-03-1 CT based study of relationship between the end-point of the intramedullary nail l and angular malalignment for distal tibia fractures S288
Dept. of Orthop. Surg., Fukuyama City Hosp., Hiroshima, Japan Chuji Terada
- 1-8-03-2 Postoperative external fixator for distal tibial fracture S288
Gifu Prefectural General Medical Center Hiroyuki Tanahashi
- 1-8-03-3 Posterior pilon fractures treated with posteromedial approach S289
Dept. of Orthop. Surg. and Sports Medicine General Medical Center, Kawasaki Medical School
Yuki Hanai
- 1-8-03-4 Intramedullary nail fixation for distal tibial fractures S289
Dept. of Orthop. Surg., Kisiwada Tokushukai Hosp. Satoshi Hayashi
- 1-8-03-5 Clinical outcomes of intramedullary nailing with anterior plate for Pilon fracture: report of ten cases S290
Dept. of Orthop. Surg., Surgical Science, Tokai Univ. School of Medicine, Kanagawa, Japan
Yasuyuki Sogo
- 1-8-03-6 A Case of Primary Arthrodesis by Retrograde Tibiototalcaneal Nailing for Tibial Pilon and Talus Fractures S290
Dept. of Orthop. Surg., TOYOTA Memorial Hosp., Toyota, Japan Yuko Takeuchi

Noontime Lecture 8 Perioperative pain management! Aiming for Pain-Free Fracture Treatment

(12 : 00~13 : 00)

Chair: T. Sato

- 1-8-NL8-1 How should we use acetaminophen for perioperative management in patients with fractures? S135
Dept. of Anesthesia and Intensive Care Medicine, Akita Univ. Graduate School of Medicine, Akita, Japan
Yukitoshi Niymama
- 1-8-NL8-2 Dose scheduled acetaminophen medication method for postoperative pain control in Fragility Hip Fracture with early operation S136
Dept. of Traumatology, Fukushima Medical Univ., Fukushima, Japan / Trauma Center, Southern Tohoku
Research Institute for Neuroscience, Fukushima, Japan Nobuyuki Takenaka

Oral 4 Distal tibial shaft fractures

(14 : 30~15 : 30)

Chair: M. Ban

- 1-8-04-1 Clinical characteristics of posterior malleolar fractures associated with tibial shaft spiral fractures S291
Kobe City Medical Center General Hosp., Hyogo, Japan Shinnosuke Yamashita
- 1-8-04-2 Are spiral fractures of the lower leg diaphysis due to external rotation forces related to the original external torsion of the tibia?..... S291
Traumatology and Reconstructive Surg. Center, Aizu Chuo Hosp., Aizuwakamatsu City, Japan / Dept. of Traumatology and Reconstructive Surg., Fukushima Medical Univ. School of Medicine, Fukushima City, Japan Satoshi Hatashita
- 1-8-04-3 Treatment for tibial fractures using the lateral parapatellar approach..... S292
Dept. of Orthop. Surg., Univ. of Yamaguchi, Ube, Japan Toshihiro Seki
- 1-8-04-4 Semi-extended approach for distal tibial diaphyseal fractures does not worsen postoperative ankle joint alignment S292
Dept. of Orthop. Surg., Okayama Univ. Graduate School of Medicine, Dentistry, and Pharmaceutical Science Shiro Fukuoka
- 1-8-04-5 The new treatment strategy of ipsilateral multi-level tibial fracture
- Two cases of using distal tibial nail S293
The Dept. of Orthop. Surg., Kochi I Health Sciences Center, Kochi, Japan Ryuichiro Okuda

Day1 • Room 9 (PACIFICO YOKOHAMA, Conference Center 3F 311+312)

Oral 5 Proximal femoral fractures (1)

(8 : 20~9 : 20)

Chair: K. Ichimura

- 1-9-05-1 Treatment results for proximal femur fractures in the very elderly (90 years and older) S293
Sainokuni Higashiomiya Medical Center, Saitama, Japan Ryosuke Kagawa
- 1-9-05-2 Skeletal muscle mass in patients with proximal femur fractures
-Comparison with TKA patients S294
Saiseikai Nakatsu Hosp. Orthop. Surg. Shiro Okazaki
- 1-9-05-3 Waiting time for hip fracture surgery: types of operation, mortality, complications, physical status S294
Ibaraki Seinan Medical Center Hosp. Tomomi Kotaki
- 1-9-05-4 The effect of preoperative nutritional status on postoperative rehabilitation outcomes in elderly patients with proximal femoral fracture S295
Dept. of Rehabilitation, Toho Univ. Ohashi Medical Center, Tokyo, Japan Shota Shimoyama
- 1-9-05-5 Ideal timing to evaluate mobility after hip fractures in elderly patients ... S295
The Dept. of Physical Therapy, SAISEIKAI OTARU Hosp., Otaru, Japan Ryosuke Sugawara

Oral 6 Proximal femoral fractures (2)

(9 : 30~10 : 30)

Chair: T. Akasaka

- 1-9-06-1 Injury mechanism of hip fractures in two hospitals with different surroundings S296
Chiba Univ. Hosp., Chiba, Japan Akitoshi Sakuma
- 1-9-06-2 The relationship between nutritional status and postoperative delirium in proximal femoral fractures S296
The Dept. of Orthop. Surg., Red Cross Kobe Hosp., Kobe, Japan Tomoko Kanazawa
- 1-9-06-3 The efficacy of aspirin for prevention of venous thromboembolism (VTE) after hip fracture surgery S297
Dept. of Orthop. Surg., Japanese Red Cross Kobe Hosp., Kobe, Japan Takao Ohmori
- 1-9-06-4 Investigating the effects of continued perioperative antiplatelet agent and anticoagulant in patients with hip fracture S297
Sanda City Hosp. Hyuma Kondo
- 1-9-06-5 Changes in perioperative serum zinc levels of proximal femoral fracture S298
Dept. of Orthop. Surg., Kyorin Univ. School of Medicine, Tokyo, Japan Masato Nishino

Day 1
Room 8

Day 1
Room 9

Oral 7 Femoral shaft fractures

(10 : 40~11 : 40)

Chair: S. Obara

- 1-9-07-1 Difference in bone union rates depending on the fracture type of the main bone fragments in comminuted femoral shaft fracture S298
Advanced Emergency Medical Service Center, Kurume Univ. Hosp., Kurume, Japan Toru Matsugaki
- 1-9-07-2 Ingenuity in treatment for ipsilateral femur fracture after proximal femur fracture in the elderly S299
Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Fumitoshi Hatae
- 1-9-07-3 Treatment strategy for double fractures of femur S299
Advanced Critical Care Center, Gifu Univ. Hosp. Takahito Miyake
- 1-9-07-4 Clinical results of surgical treatment for femoral combined fracture S300
Dept. of Orthop. Surg., Kitasato Univ. School of Medicine, Kanagawa, Japan Shintaro Shoji
- 1-9-07-5 A case report of refracture after femoral shaft fracture deformity fusion, treated by intramedullary nail fixation combined with osteotomy S300
The Dept. of Orthop. Surg., Kyoto Okamoto Memorial Hosp. Hajime Mori
- 1-9-07-6 Bilateral distal transverse femoral stem fractures treated with different strategies; A case report S301
Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine Yuta Shimizu
- 1-9-07-7 A case of complete diaphysis fracture after treatment of atypical femoral incomplete fracture by ender method S301
Dept. of Orthop. Surg., North Medical Center Kyoto Prefectural Univ. of Medicine, Kyoto, Japan Mizuki Asano

Noontime Lecture 9

(12 : 00~13 : 00)

Chair: H. Minehara

- 1-9-NL9-1 Do you think Superior approach using BHA for femoral neck fracture difficult? - Good indications and improvements in technique - S137
Dept. of Orthop. Surg., Kawasaki Hosp., Osaka, Japan Keisuke Hagio
- 1-9-NL9-2 Rehabilitation course of BHA using Superior approach for femoral neck fracture - Points for improvement in the rehabilitation program - S138
Dept. of Rehabilitation Services, Kawasaki Hosp., Osaka, Japan Kazuhisa Aikawa

Oral 8 Pathological fractures

(14 : 30~15 : 30)

Chair: E. Osaka

- 1-9-08-1 A case in which a retrograde intramedullary nail surgery was possible for a fracture of the femoral shaft in a terminal cancer patient with conduction anesthesia S302
Dept. of Orthop. Surg., Dokkyo Medical Univ. Saitama Medical Center Ryota Shinada
- 1-9-08-2 Surgical outcome for bone metastasis of the femur S302
Dept. of Orthop. Surg., Kitasato Univ., Kanagawa, Japan Terumasa Matsuura
- 1-9-08-3 Postoperative results in intramedullary nail insertion cases of long bone metastasis S303
Ibaraki Prefectural Central Hosp., Ibaraki, Japan Yuki Ishibashi
- 1-9-08-4 A case of imminent atypical femur fracture with severe lateral bowing and distal femur fracture S303
Matsunami General Hosp., Gifu, Japan Ryotya Okuda
- 1-9-08-5 Total femur replacement after bipolar hip arthroplasty for femoral bone metastasis of breast cancer. A case report S304
Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General Hosp., Ichikawa, Japan
Itsuo Watanabe
- 1-9-08-6 Two cases of lower limb metastatic bone tumor with multiple bone metastases S304
Nagasaki Medical Center Keisuke Mori

Day1 • Room 10 (PACIFICO YOKOHAMA, Conference Center 3F 313+314)

Oral 9 Femoral neck fractures

(8 : 20~9 : 20)

Chair: H. Tsuji

- 1-10-09-1 What femoral neck fracture types are risk of avascular necrosis of the femoral head and fixation failure? A retrospective study using the Garden classification with the addition of impacted fractures S305
Fukuiken-Saiseikai Hosp., Fukui, Japan Masahiro Kidera
- 1-10-09-2 Factors affecting postoperative outcome in displaced femoral neck fractures S305
Dept. of Orthop. Surg., Asahikawa Red Cross Hosp., Asahikawa, Japan Yuki Kamo
- 1-10-09-3 Case study: Re-operation after osteosynthesis using Hansson Pinloc for femoral neck fracture S306
Minami-nara General Medical Center, Nara, Japan Takahiro Furukawa
- 1-10-09-4 The results of ORIF of undisplaced femoral neck fracture in our hospital S306
Dept. of Orthop. Surg., Seireimikatahara Hosp., Shizuoka, Japan Hironobu Bito
- 1-10-09-5 The incidence of avascular necrosis of femoral head in non-displaced femoral neck fracture with in-situ fixation S307
Japanese Red Cross Kobe Hosp., Hyogo, Japan Takeshi Ishihara
- 1-10-09-6 Clinical results of Hansson Pinloc for non-displaced femoral neck fracture S307
Akashi Medical Center, Akashi, Japan Shinji Matsushima
- 1-10-09-7 Hip screws of the TresLock for internal fixation of basicervical fracture are properly inserted with in the femoral neck cannal S308
Dept. of Orthop. Surg. and Joint Surg. Centre, Takatsuki General Hosp., Osaka, Japan Yukiko Mutaguchi

Oral 10 Femoral trochanteric fractures (1)

(9 : 30~10 : 30)

Chair: S. Uta

- 1-10-O10-1 Epidemiology and treatment of trochanteric and subtrochanteric hip fractures
in our hospital S308
Dept. of Orthop. Surg., Dept. of Rheumatology, Nippon Medical School, Tokyo, Japan Yoshinori Obara
- 1-10-O10-2 Postoperative life expectancy of femoral neck fractures and femoral
metaphyseal fractures in our hospital S309
Kanazawa Hosp. Junnosuke Arima
- 1-10-O10-3 Association between postoperative reduced position in lateral radiograph and
postoperative walking ability in femoral trochanteric fractures: a prospective
cohort study S309
Teikyo Univ. School of Medicine, Univ. of Tokyo, Tokyo, Japan /
Teikyo Univ. School of Medicine, Tokyo, Japan Yutoshi Osaki
- 1-10-O10-4 Sagittal swing motion of short femoral nail for femoral trochanteric fractures
..... S310
Dept. of Orthop. Surg., Naze Tokushukai Hosp., Amami, Japan Minoru Kashiwara
- 1-10-O10-5 The assessment of postoperative pain with TFNA cement augmentation S310
Dept. of Orthop. Surg., Kyoto Kizugawa Hosp., Kyoto, Japan Tomohito Ito
- 1-10-O10-6 Study of conservative treatment for occult femoral pertrochanteric fractures
..... S311
Dept. of Orthop. Surg. and Joint Reconstructive Surg., Toyama Municipal Hosp., Toyama, Japan
Rin Maeda
- 1-10-O10-7 A case series in which incomplete fractures were regarded as complete
fractures during femoral pertrochanteric fracture surgery S311
JA Onomichi General Hosp., Hiroshima, Japan Masaki Matsuura

Oral 11 Femoral trochanteric fractures (2)

(10 : 40~11 : 40)

Chair: T. Fujimoto

- 1-10-O11-1 Relationship between the reduction and femoral neck anteversion after the osteosynthesis for intertrochanteric fracture of the femur S312
The Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine, Hamamatsu, Shizuoka
Fumio Masuda
- 1-10-O11-2 The CT value of the femoral head is a significant factor in predicting the stability of the lag screw S312
Dept. of Orthop. Surg., Kugayama Hosp. Gaku Michihiro
- 1-10-O11-3 Clinical results for unstable femoral trochanteric fractures using INTERTAN middle nail S313
The Dept. of Orthop., Fukuyama City Hosp., Hiroshima, Japan Satoshi Ueda
- 1-10-O11-4 CT based study for intraoperative cortical cracking of distal end of the nail and around the distal interlocking screws in femoral intramedullary nailing for trochanteric hip fractures in elderly S313
Dept. of Orthop. Surg., Fukuyama City Hosp., Hiroshima, Japan Katsuhiro Kawabata
- 1-10-O11-5 Treatment strategies for nonunion after femoral trochanteric and subtrochanteric fracture surgery S314
Dept. of Orthop. Surg., Univ. of Miyazaki, Miyazaki, Japan Hiroyuki Imazato
- 1-10-O11-6 Comparison of clinical outcomes between ASULOCK middle nail and JPFNA long nail for intertrochanteric fracture S314
Dept. of Orthop. Surg., Chikamori Hosp., Kochi, Japan Ippei Nishida
- 1-10-O11-7 Comparison of lag screw telescoping and bone telescoping in the internal fixation for femoral trochanteric fractures S315
Dept. of Orthop. Surg., Naze Tokushukai Hosp., Amami, Japan Minoru Kashihara

Noontime Lecture 10

(12 : 00~13 : 00)

Chair: T. Kurozumi

- 1-10-NL10-1 Short Femoral Nail lag screw characteristics verified by biomechanics ... S139
Dept. of Orthop. Surg. Artificial Joint / Joint Function Reconstruction Center, Oyumino Central Hosp.
Takayuki Nakajima

Oral 12 Femoral trochanteric fractures (3)

(14 : 30~15 : 30)

Chair: T. Kawamura

- 1-10-012-1 Difficult-to-repair femoral metaphyseal fractures resulting from relatively high-energy injuries..... S315
Traumatology and Reconstructive Surg. Center Aizu Chuo Hosp. Noriyuki Chiba
- 1-10-012-2 Reconsideration of postoperative lateral view classification for unstable femoral trochanteric fractures S316
Orthop. Surg., Nishiwaki Municipal Hosp., Hyogo, Japan Tatsuya Ito
- 1-10-012-3 Clinical results of femoral trochanteric fractures using TFNA cement augmentation S316
Dept. of Orthop. Surg., Tokyo Hikifune Hosp., Tokyo, Japan Koji Seike
- 1-10-012-4 Comparison of osteosynthesis materials for femoral trochanteric fracture: usefulness of Unicorn Nail Wing S317
Orthop. Dept. of Okayama Medical Center, Okayama, Japan Tsubasa Hasegawa
- 1-10-012-5 Trochanteric figure 8 cabling (TFEC) added to intramedullary nail for segmental fractures of trochanteric fractures of the femur S317
Dept. of Orthop. Surg., Trauma and Microsurg. Center, Toyohashi Municipal Hosp., Toyohashi, Japan So Mitsuya
- 1-10-012-6 The adaption and complications of cement augmentation for trochanteric femur fractures S318
National Hosp. Organization Iwakuni Clinical Center Sho Muguruma
- 1-10-012-7 Examination of postoperative hospital length of stay depending on full bearing or restricted weight bearing after operate femoral trochanteric / subtrochanteric fracture S318
The Dept. of Orthop., Tosei General Hosp., Aichi, Japan Hiroki Yamada

Oral 13 Femoral trochanteric fractures (4)

(15 : 40~16 : 40)

Chair: A. Funayama

- 1-10-013-1 Examination of the delayed union cases in the femoral trochanteric fractures treated by ASULOCK S319
Kyoto Tanabe Central Hosp., Kyoto, Japan / Akashi City Hosp., Hyogo, Japan Taisuke Kunitomo
- 1-10-013-2 Does TFNA with cement augmentation improve treatment results of trochanteric fractures? S319
Dept. of Orthop. Surg., Konan Medical Center, Kobe, Japan Yu Sasaki
- 1-10-013-3 A comparative study of operative time and blood loss in unstable trochanteric fracture surgery using between INTERTAN short and middle nail S320
Saitama Red Cross Hosp., Saitama, Japan Shota Den
- 1-10-013-4 Suppressive effect of the offset nail on dislocation from anatomical to intramedullary type of femoral trochanteric fracture surgery S320
Dept. of Orthop. Surg., Towa Hosp., Tokyo, Japan Kazuhito Soma
- 1-10-013-5 Treatment with ASULOCK for trochanteric fracture of the femur S321
Dept. of Orthop., Univ. of Kurume, Fukuoka, Japan Yoshihiro Otsubo
- 1-10-013-6 Radiographic outcomes of Penetrated trochanteric fracture of the femur by fixation S321
The Dept. of Orthop. Surg., Fukuokashinmizumaki Hosp., Fukuoka, Japan Satoru Okuma
- 1-10-013-7 Results of use of anterior support screw (AS2) with ZNN CM Fortis nail for femoral trochanteric fractures S322
The Dept. of Orthop. Surg., National Hosp. Organization, Iwakuni Medical Center, Yamaguchi, Japan
Kouki Kawada

Day1 • Room 11 (PACIFICO YOKOHAMA, Conference Center 3F 315)

Oral 14 Open fractures / Severe soft tissue injuries

(8 : 20~9 : 20)

Chair: K. Yamada

- 1-11-014-1 Three cases of bone grafting at the same time as internal fixation for bone defect of the open fracture of distal radius S322
The Dept. of Orthop. Surg., Dokkyo Medical Univ., Tochigi, Japan Kazutaka Ozone
- 1-11-014-2 The treatment of open fractures of the distal radius with or without temporary external fixation S323
Orthop. Trauma Center, Hyogo Prefectural Nishinomiya Hosp., Nishinomiya City, Japan Hitoshi Hirase
- 1-11-014-3 Indication of Temporary Vascular Shunt and strategy for popliteal artery injury S323
Trauma Center, Sapporohigashi Tokushukai Hosp., Sapporo, Japan Yuta Izawa
- 1-11-014-4 Clinical prediction rule for deep infection in open long-bone fractures: a prospective cohort study S324
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan / Trauma and Reconstruction Center, Teikyo Univ. School of Medicine, Tokyo, Japan Takahiro Inui
- 1-11-014-5 Treatment of the open tibial fracture using hexapod external fixator, the Ortho-SUV Frame followed by minimally invasive plate osteosynthesis: a case report S324
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Japan Munetomo Takata
- 1-11-014-6 A case of degloving injury of the foot successfully treated with iSAP S325
Emergency Dept., Osaka General Medical Center Takahiro Maekawa

Oral 15 Infection (1)

(9 : 30~10 : 30)

Chair: Y. Kinami

- 1-11-015-1 Clinical outcomes of our continues antibiotics local perfusion S325
Dept. of Orthop. Surg., Kyoto Kizugawa Hosp., Kyoto, Japan Takashi Seya
- 1-11-015-2 SPECT/CT in osteomyelitis is useful in demonstrating the appropriate extent of the lesion, when to perform the debridement procedure S326
Trauma Reconstruction Center, Shinyurigaoka-General Hosp., Kawasaki, Japan Munenori Sato
- 1-11-015-3 Debridement for controlling the infection: Improving its quality S326
The Dept. of Orthop. Surg., National Hosp. Organization Kyoto Medical Center, Kyoto, Japan Hiroshi Yamamoto
- 1-11-015-4 A case of surgical site infection by nontuberculous mycobacteria after surgery of open fracture of the radius and ulna S327
Miyazaki Medical Association Hosp., Miyazaki, Japan Takafumi Kitabori

Oral 16 Infection (2)

(10 : 40~11 : 40)

Chair: N. Kimata

- 1-11-O16-1 A case report: elbow septic arthritis and humeral forearm osteomyelitis after surgery to fix the fracture subsided with continuous local antibiotics perfusion (CLAP) S327
Shoulder & Elbow Service, Funabashi Orthop. Sports Medicine & Joint Center, Funabashi, Japan
Fumiya Hattori
- 1-11-O16-2 Continuous local antibiotics perfusion for fracture-related infections on clinical outcomes S328
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan
Shunsuke Takahara
- 1-11-O16-3 Two cases of open lower leg fracture that developed agranulocytosis after CLAP S328
Nagaoka Red Cross Hosp., Niigata, Japan Hiroo Kawase
- 1-11-O16-4 Influence of infection phase on fracture-related infections treatment by continuous local antibiotics perfusion: a multi-center study S329
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan / CLAP Research Group
Shunsuke Takahara
- 1-11-O16-5 Relationship between renal dysfunction caused by Continuous Local Antibiotics Perfusion (CLAP) and serum levels of gentamicin: A case series S329
Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Ryo Okada

Noontime Lecture 11

(12 : 00~13 : 00)

Chair: S. Iwabu

- 1-11-NL11-1 How to perform reverse shoulder. Basic research on the positioning of SMR S140
Dept. of Orthop. Surg., Kitasato Univ. School of Medicine, Kanagawa, Japan Tomonori Kenmoku
- 1-11-NL11-2 Treatment Results and Assignments for SMR for Proximal Humerus Fractures S141
Dept. of Orthop. Surg. Surgical Science, Tokai Univ. School of Medicine, Kanagawa, Japan
Yoshiyasu Uchiyama

Oral 17 Calcaneus fractures

(14 : 30~15 : 30)

Chair: Y. Nishii

- 1-11-017-1 Clinical results of calcaneal fractures operated by intramedullary absorbable implant fixation S330
The Dept. of Orthop. Surg., Kenwakai Otemachi Hosp., Fukuoka, Japan Tetsu Tsubone
- 1-11-017-2 Treatment results of calcaneal fractures using extended L-shaped incision S330
Hitachi, Ltd. Hitachinaka General Hosp., Ibaraki, Japan Yu Watanabe
- 1-11-017-3 Percutaneous screw fixation followed by reduction using ring fixator for depression-type calcaneus fracture S331
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Japan Munetomo Takata
- 1-11-017-4 Surgical treatment for the avulsion fractures of calcaneal tuberosity S331
Dept. of Orthop. Surg., Suzuka General Hosp., Mie, Japan Nobuto Nagao
- 1-11-017-5 Usefulness of early period manual reduction for calcaneal beak fractures S332
Foot and Ankle Surg. Center, East Maebashi Orthop. Hosp., Gunma, Japan Naohiro Hio
- 1-11-017-6 Clinical outcome of staged treatment with external fixation for severely comminuted calcaneal fracture with multiple trauma patients S332
Saitama Medical Center the Dept. of Advanced Emergency Medical Service Tomoki Kasahara
- 1-11-017-7 Operative treatment with locking plate fixation for calcaneal fracture: Comparison of extended L-shaped lateral approach and sinus tarsi approach S333
Dept. of Orthop. Surg., Fukuoka Seisyukai Hosp., Fukuoka, Japan Kazuki Kanazawa

Oral 18 Foot

(15 : 40~16 : 40)

Chair: T. Ohata

- 1-11-018-1 Withdrawn S333
- 1-11-018-2 Relationship between surgical results of Lisfranc joint dislocation fracture and postoperative foot morphology S334
Osaka Medical and Pharmaceutical Univ., Osaka, Japan Yohei Sano
- 1-11-018-3 Treatment of a fracture of the body of the talus (Sneppen classification type F) associated with Chopart's joint injury S334
Fukuoka Orthop. Hosp. Kohei Ishihara
- 1-11-018-4 Surgical treatment of fifth metatarsal distal metaphyseal fracture using locking compression plate S335
Dept. of Orthop. Surg. Nishinomiya Kyoritsu Neurosurgical Hosp., Hyogo, Japan Ken Tanaka
- 1-11-018-5 Treatment of the biphalangal toe fracture nonunion at the site of fusion: two cases report S335
The Dept. of Orthop. Surg., Otsu Red Cross Hosp., Otsu City, Japan Akihiro Itamoto
- 1-11-018-6 Outcomes of Boyd amputation for crush injury of the foot S336
Dept. of Traumatology and Critical Care Medicine, Osaka City Univ. Graduate School of Medicine Masahiro Miyashita

Day1 • Room 12 (PACIFICO YOKOHAMA, Conference Center 4F 411+412)

Hands-on Seminar 1

(9 : 30~11 : 30)

Chair: T. Sawaguchi

1-12-HS1-1 Get ready to start FLS tomorrow

Niigata Rehabilitation Hosp. Noriaki Yamamoto

Hands-on Seminar 2 Ender Seminar

(13 : 30~15 : 30)

Chair: K. Ando

1-12-HS2-1 Ender nailing for various fractures -compared to the gold standard-

Nishinomiya Watanabe Hosp. Satoshi Takahata

1-12-HS2-2 Ender nailing for pediatric fracture

Yokohamashintoshi Neurosurgical Hosp. Shu Obara