

Day 2 June 29 (Sat)

Day2 · Room 1 (Conference Bldg. 2F “Main Hall”)

Symposium 2 Treatment for intra-articular fractures of the upper limbs -Osteosynthesis versus one-stage total joint replacement- (8:30 ~ 10:00)	Chairs: H. Ikegami K. Nishida
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2-1-SY2-1	Limits of the surgical indication of osteosynthesis for proximal humeral fractures ·····	S47
	Fukuyama City Hosp., Fukuyama, Japan Chuji Terada	
2-1-SY2-2	Treatment Options for Fractures Around the Shoulder Joint Osteosynthesis vs. one-stage total shoulder arthroplasty ·····	S48
	Dept. of Orthop. Surg. (Ohashi), School of Medicine, Toho Univ., Tokyo, Japan Hiroyasu Ikegami	
2-1-SY2-3	Reverse Total Shoulder Arthroplasty for Proximal Humeral Fracture ·····	S49
	Iwaki City Medical Center, Iwaki, Japan Toshitake Aizawa	
2-1-SY2-4	Indication and limitation of the osteosynthesis for fractures of the distal end of the humerus ·····	S50
	Okayama Saisiekai General Hosp., Okayama, Japan Junya Imatani	
2-1-SY2-5	Indications for primary total elbow arthroplasty for distal humerus fractures in the elderly -limitations of osteosynthesis ·····	S51
	Showa Univ. Yokohama Northern Hosp., Kanagawa, Japan Keikichi Kawasaki	
2-1-SY2-6	Total elbow arthroplasty for comminuted intra-articular fractures of the distal humerus in the elderly ·····	S52
	Locomotive Pain Center, Okayama Univ. Hosp., Okayama, Japan Keiichiro Nishida	

Panel Discussion 2 Treatment of atrophic nonunion (10:10 ~ 11:40)	Chairs: Y. Watanabe A. Mogami
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2-1-PD2-1	Definition, Causes, Classification, and Diagnosis of nonunion treatment ·····	S68
	Jichi Medical Univ., Tochigi, Japan Tomohiro Matsumura	
2-1-PD2-2	What does bioactivity mean in the treatment of atrophic nonunions and fractures? ·····	S69
	Dept. of Orthop. Surg., Teikyo Univ. School of Medicine / Trauma & Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Yoshinobu Watanabe	
2-1-PD2-3	Management of Aseptic Nonunions: A systematic Review ·····	S70
	Trauma & Reconstruction Center, Teikyo Univ. Hosp. / Teikyo Univ. School of Medicine, Dept. of Orthop., Tokyo, Japan Gen Sasaki	
2-1-PD2-4	Can RIA products be an alternative to autologous iliac cancellous bone grafts? ·····	S71
	Dept. of Ortho. Surg., Kobe Univ. Graduate School of Medicine, Kobe, Japan Keisuke Oe	

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2-1-PD2-5	Treatment of Atrophic Non-unions: Chipping technique.....	S72
	Shin-yurigaoka General Hosp., Kanagawa, Japan	Takashi Matsushita
2-1-PD2-6	CD34-positive cell transplantation and bone morphogenetic protein to treat atrophic nonunion	S73
	Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan	Takahiro Niikura

Panel Discussion 3 Atypical fractures
(13:20 ~ 14:50)

Chairs: T. Niikura
Y. Oh

2-1-PD3-1	Epidemiology and risk factors of atypical femoral fracture	S74
	Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan	Takahiro Niikura
2-1-PD3-2	Subtype classification for atypical femoral fractures and its clinical application	S75
	Dept. of Orthop. and Trauma Research, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ., Tokyo, Japan	Yoto Oh
2-1-PD3-3	Current Review	S76
	Osaka City General Hosp., Osaka, Japan	Yosuke Nagai
2-1-PD3-4	Outcome of surgical treatment with atypical femoral fracture	S77
	Tohoku Univ. Hosp., Miyagi, Japan	Takehiro Sugaya
2-1-PD3-5	Surgical treatment for atypical femur fracture	S78
	Nagasaki Medical Center, Omura, Japan	Takashi Miyamoto
2-1-PD3-6	Treatment for nonunion of atypical subtrochanteric femoral fractures	S79
	Jichi Medical Univ., Tochigi, Japan	Tomohiro Matsumura

Symposium 3 Updates for periprosthetic fractures
(15:10 ~ 16:40)

Chairs: H. Ikegami
T. Baba

2-1-SY3-1	Periprosthetic fractures around the shoulder joint	S53
	Dept. of Orthop. Surg. (Ohashi), School of Medicine, Toho Univ., Tokyo, Japan	Hiroyasu Ikegami
2-1-SY3-2	Periprosthetic fractures after total elbow arthroplasty	S54
	Locomotive Pain Center, Okayama Univ. Hosp., Okayama, Japan	Keiichiro Nishida
2-1-SY3-3	Peri-implant fractures; Hip joint	S55
	Oyumino Central Hosp., Chiba, Japan	Takayuki Nakajima
2-1-SY3-4	Peri-TKA Fractures (Treatment options and key point of the procedure)	S56
	Saiseikai Kumamoto Hosp., Kumamoto, Japan	Yoshihisa Anraku
2-1-SY3-5	The strategy for interprosthetic femoral fractures	S57
	Shonan Kamakura General Hosp., Kanagawa, Japan	Kentaro Futamura

Day2 · Room 2 (Conference Bldg. 2F “Tachibana”)

Main Theme 21 Atypical femoral fracture

(8:30 ~ 9:40)

Chair: K. Futamura

- 2-2-MT21-1 Longitudinal follow-up of precursory signs for atypical femoral fractures in bone metastatic patients with bone-modifying agents S148
 Dept. of Orthop. and Spinal Surg., Graduate School of Medical and Dental Sciences,
 Tokyo Medical and Dental Univ., Tokyo, Japan Takumi Kaku
- 2-2-MT21-2 Influence of fracture line thickness in occult petrochanteric fracture model on fracture extension using CT based finite element analysis..... S149
 Himeji Central Hosp., Hyogo Japan Mitsuaki Noda
- 2-2-MT21-3 Five limbs in three cases using the Ender method prophylactically for atypical femoral fractures S149
 Dokkyo Medical Univ. Hosp., Tochigi, Japan Wataru Irahara
- 2-2-MT21-4 Results of surgical treatment for nonunion of subtrochanteric atypical femoral fracture S150
 Hyogo Prefectural Nishinomiya Hosp., Hyogo, Japan Takahiro Niikura
- 2-2-MT21-5 Assessment of the locations of atypical femoral fractures S150
 Suzuka Kaisei Hosp. / Owase General Hosp., Mie, Japan Daiki Tsuji
- 2-2-MT21-6 Atypical periprosthetic femoral fractures: A report of 3 cases S151
 Toyama Municipal Hosp., Toyama, Japan Shintaro Iwai
- 2-2-MT21-7 Chipping technique for atypical femoral fractures S151
 Tohoku Univ. Hosp., Sendai, Japan Akihiro Yasuyama

Main Theme 23 Fragility Fractures of Pelvis and Sacrum

(9:50 ~ 10:40)

Chair: T. Suzuki

- 2-2-MT23-1 Outcome of percutaneous screw fixation of the sacrum for fragility fracture of the pelvis in the elderly S155
 Nagoya City Univ. Hosp., Nagoya, Japan Hiroki Yonezu
- 2-2-MT23-2 Usefulness of SAI (Sacral Alar Iliac) screw for Fragility Fracture of the Pelvic ring S155
 Kitaakita Municipal Hosp., Akita, Japan Motoki Mita
- 2-2-MT23-3 Investigation of the usefulness of simple radiographic sacral lateral view in the diagnosis of sacral fractures S156
 Seirei Yokohama Hosp., Yokohama, Japan Ryutaro Suzuki
- 2-2-MT23-4 Is weight-bearing restriction necessary after LC-2 screw insertion for fragility fracture of pelvis type 3a? S156
 Oita Univ. Hosp., Yufu, Japan Akihiro Hino

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- 2-2-MT23-5 Pelvic incidence of H-type sacral insufficiency fracture is increased with conservative treatment S157
 Dept. of Orthop. Surg., Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan Yuko Yagi

Main Theme 10 Pelvic ring fractures
 (10:50 ~ 11:50)

Chair: T. Sato

- 2-2-MT10-1 Evaluation of diagnosis and treatment guidelines for pelvic ring fractures S117
 Tokyo Metropolitan Bokutoh Hosp., Tokyo, Japan /
 Dept. of Orthop. Surg., Chiba Univ., Chiba, Japan Megumi Yazaki
- 2-2-MT10-2 Surgical outcomes for pelvic ring fractures using the Anterior Subcutaneous Internal Pelvic Fixator S117
 Dept. of Orthops. Surg., Kimitsu Chuo Hosp., Chiba, Japan Rika Komei
- 2-2-MT10-3 Implant failure occurs at a high rate in H and U type sacral fractures S118
 Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan / Saitama Medical Center, Saitama Medical Univ.,
 Saitama, Japan / Nippon Koukan Hosp., Kanagawa, Japan Toshihide Sato
- 2-2-MT10-4 Pelvic incidence with lumbar lordosis is an indicator of reduction H and U type sacral fractures S118
 Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan /
 Saitama Medical Center, Saitama Medical Univ., Saitama, Japan Toshihide Sato
- 2-2-MT10-5 Screw fixation for pelvic ring injuries using Cone Beam CT S119
 Osaka Prefectural Nakakawachi Emergency and Critical Care Center,
 Osaka Japan Masafumi Kishimoto
- 2-2-MT10-6 Is the presence of a concomitant L5 transverse process fracture useful in predicting patients with unstable pelvic ring fractures requiring massive blood transfusions? S119
 Dept. of Emergency Medicine, Kyorin Univ. School of Medicine / Dept. of Orthop., Surg.
 Kyorin Univ. School of Medicine, Tokyo, Japan Narisaku Inada

Noontime Lecture 10
 (12:00 ~ 13:00)

Chair: H. Inoue

- 2-2-NL10-1 The strategy of Intramedullary nail treatment for femoral trochanteric fractures in a super-aging society ~ Return to the origins of implants ~ S515
 Tosei General Hosp., Aichi, Japan Hiroki Yamada
- 2-2-NL10-2 Gamma4 Intermediate Nail -The New Mid-size Nail created from Stryker's proprietary "SOMA" system S516
 Saitama Red Cross Hosp., Saitama, Japan Shota Den

Main Theme 11 Acetabular fractures

(13:10 ~ 14:10)

Chair: M. Ito

- 2-2-MT11-1 The outcome of internal fixation of acetabular fractures in late elderly patients ... S120
Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Mitsuru Doi
- 2-2-MT11-2 An assessment of postoperative outcomes in acetabular fractures involving lateral fractures S120
Sakai City Medical Center, Osaka, Japan Masanori Kawamoto
- 2-2-MT11-3 Most displaced posterior wall fragment combined with both column fractures can be managed through single anterior approach S121
Saitama Medical Center, Saitama, Japan Yasuhisa Ueda
- 2-2-MT11-4 Vascular injury in acetabular fractures: Are vascular injuries really rare in non-high energy trauma cases?..... S121
Nara Medical Univ. Hosp., Nara, Japan Hironobu Konishi
- 2-2-MT11-5 Relationship between post-operative CT reduction assessment of acetabular fractures and clinical outcomes S122
Gifu Univ. Hosp., Gifu, Japan Norihide Kanda
- 2-2-MT11-6 Comparison of ORIF and acute THA for acetabular fractures in patients aged 60 and older S122
Dept. of Orthop. Surg. Univ. of the Ryukyus, Okinawa, Japan Mika Takaesu

Debate 2 Treatment of infected nonunion

(14:15 ~ 15:15)

Chair: A. Mogami

- 2-2-D2-1 Infected non union best treatment is the ilizarov method with external fixator! S88
Dept. of Traumatology Fukushima Medical Univ., Fukushima, /
Tokyo D Hosp., Tokyo, Japan Nobuyuki Takenaka
- 2-2-D2-2 Masquelet's induced membrane technique for the treatment of infected non-unions: No more external fixators needed for the reconstruction of large bone defects S89
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine / Trauma & Reconstruction Center,
Teikyo Univ. Hosp., Tokyo, Japan Yoshinobu Watanabe

Panel Discussion 4 Osteosynthesis using Short Femoral Nail for trochanteric fractures of the Femur

(15:20 ~ 16:50)

Chairs: T. Maehara
S. Kitada

- 2-2-PD4-1 Reconsider about Short Femoral Nail Methods for Femoral Trochanteric Fracture -Gamma3/4 Nail- S80
Sendai Tokushukai Hosp., Miyagi Japan Taro Shiba
- 2-2-PD4-2 Clinical results of the PFNA and TFNA for the pertrochanteric fractures S81
Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan Shimpei Kitada

2-2-PD4-3	Availability of the INTERTAN for femoral trochanteric fractures in elderly.....	S82
	Fukuyama City Hosp., Fukuyama, Japan Chuji Terada	
2-2-PD4-4	Nail selection for treatment of trochanteric fractures. What is the reason for your decision?	S83
	Kagawa Rosai Hosp., Kagawa, Japan Takashi Maehara	
2-2-PD4-5	Novel intramedullary nail with innovative mechanism: Hansson DC nail	S84
	Fukuoka Orthop. Hosp., Fukuoka, Japan Masami Tokunaga	
2-2-PD4-6	Treatment for femoral intertrochanteric fractures with ASULOCK	S85
	St. Mary's Hosp., Fukuoka, Japan Shingo Okazaki	

Day2 · Room 3 (Conference Bldg. 2F “Hagi”)

Academy Award / Encouragement Award Candidate Presentation Session

(8:30 ~ 9:30)

Chairs: A. Mogami
K. Inokuchi

- 2-3-AW-1 Relationships between CT value of femoral head before operation and femoral bone mineral density by DXA S35
Tsuyama Chuo Hosp., Okayama, Japan Kosuke Kunitomi
- 2-3-AW-2 Investigation of the mechanism of fragility fractures of pelvis with the femur position -Finite element analysis- S35
Teikyo Univ. School of Medicine, Tokyo, Japan Kunihiro Arakawa
- 2-3-AW-3 Development of a novel carbon fiber reinforced polyetheretherketone intramedullary nail -Clinical trial and outcomes- S36
Osaka Univ., Osaka, Japan Kazuma Takashima
- 2-3-AW-4 Prevalence of fracture progression in fragility fractures of pelvis: Systematic review and meta-analysis S36
Minato Medical Coop-Kyoritsu General Hosp., Aichi, Japan Norio Yamamoto
- 2-3-AW-5 Development and verification of a predictive model for postoperative walking function in proximal femoral fractures using machine learning S37
Dept. of Orthop. Surg., Tohoku Univ. School of Medicine, Sendai, Japan Atsushi Arino
- 2-3-AW-6 Local antibiotics perfusion (CLAP) on treatment efficacy in fracture-related infections: A multi-center study S37
Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan /
CLAP, Himeji, Japan Shunsuke Takahara

Oral 26 Atypical femoral fracture

(9:50 ~ 10:40)

Chair: Y. Nakayama

- 2-3-O26-1 Considerations of open reduction and fixation with bone drilling for atypical femoral fractures -Will the secret ingredient (a little effort) work?- S243
Dept. of Orthop. Surg., Komaki Hosp., Miyazaki, Japan Wataru Komaki
- 2-3-O26-2 Abnormal findings in contralateral atypical diaphyseal femoral fracture S243
Iwaki City Medical Center, Fukushima, Japan Gaku Matsuzawa
- 2-3-O26-3 A two institution study of predictive factors associated with nonunion in complete atypical femoral fractures S244
Osaka General Medical Center, Osaka, Japan Tatsuji Fujiwara
- 2-3-O26-4 Treatment results for atypical femoral shaft fractures fixed with antegrade intramedullary nails S244
Yonemori Hosp. Trauma Reconstruction Center, Kagoshima, Japan Koji Katsura
- 2-3-O26-5 Case series: Atypical femoral fractures S245
Japanese Red Cross Kyoto Daini Hosp., Kyoto, Japan Takashi Kiba

- 2-3-O26-6 Treatment of atypical femoral fractures combined with ipsilateral hip osteoarthritis S245
 Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine,
 Kobe, Japan Tomoaki Fukui

Lecture from Taiwan Orthopaedic Trauma Association president

(10:50 ~ 11:50)

Chair: H. Minehara

- 2-3-TP-1 Treatment Strategy of Distal Humeral Coronal Shear Fracture Based on Fracture Classification..... S494
 Chang Gung Memorial Hosp., The 7th President of TOTA, Taiwan Ying-Chao Chou
- 2-3-TP-2 Management of bone defects due to infected non-union or chronic osteomyelitis with autologous non-vascularized free fibular grafts S495
 Dept. of Orthop., Kaohsiung Veterans General Hosp., Taiwan Yih-Wen Tarnng

Noontime Lecture 11

(12:00 ~ 13:00)

Chair: A. Mogami

- 2-3-NL11 Intramedullary nailing: Present, Past, and Future
 -Demystifying Common Misconceptions in Fracture Treatment S517
 Dept. of Orthop. Surg., Teikyo Univ. School of Medicine / Trauma & Reconstruction Center,
 Teikyo Univ. Hosp., Tokyo, Japan Yoshinobu Watanabe

Oral 27 Fragility fractures 1

(13:10 ~ 13:50)

Chair: I. Morohashi

- 2-3-O27-1 The fracture of extremity on chronic spinal cord injury..... S246
 Hokkaido Spinal Injury Center, Hokkaido, Japan Yasuaki Tojo
- 2-3-O27-2 Transcatheter arterial embolization (TAE) for pelvic fractures in elderly patients: a comparison of treated and un-treated cases S246
 Kagoshima City Hosp., Kagoshima, Japan Ayumi Amatatsu
- 2-3-O27-3 Outcome of fragility fractures of the pelvis S247
 Kagawa Prefectural Central Hosp., Takamatsu, Japan Dai Nakamura
- 2-3-O27-4 Outcomes of osteoporosis treatment with romosozumab versus bisphosphonates in patients with proximal femoral fractures S247
 Dept. of Orthop. Surg., Kanoiwa Hosp., Yamanashi, Japan /
 Dept. of Orthop. Surg., Kyorin Univ. Tokyo, Japan Masato Nishino
- 2-3-O27-5 Current status of background factors, treatment, and outcome of osteoporotic vertebral fractures in our hospital S248
 Ibaraki Seinan Medical Center Hosp., Ibaraki, Japan Yuya Suzu

Oral 28 Fragility fractures 2

(14:00 ~ 14:35)

Chair: S. Nakasone

- 2-3-O28-1 The association with blood vitamin D levels in patients with fragility fracture and risk assessment by FRAX S248
 Dept. of Orthop. Surg., Yokohama Ekisaikai Hosp. /
 Yokohama Municipal Citizen's Hosp., Kanagawa, Japan Masamitsu Tomioka
- 2-3-O28-2 Short-term results of Vertebral Body Stenting (VBS) for osteoporotic vertebral fractures S249
 Yamanashi Prefectural Central Hosp., Kofu, Japan Hideto Eguchi
- 2-3-O28-3 Serum 25-hydroxyvitamin-D concentrations, and psoas muscle index in patients with fragility fractures of the pelvis..... S249
 Univ. of Occupational and Environmental Health, Japan, Fukuoka, Japan Kenji Kosugi
- 2-3-O28-4 Comparison of skeletal muscle mass between conservative and surgical treatment groups in fragility fractures of the pelvis (Rommens classification type 2) S250
 Tsuyama Chuo Hosp., Okayama, Japan Kohei Sato

Main Theme 22 Fragility Fractures of Pelvis

(15:10 ~ 16:10)

Chair: Y. Ueda

- 2-3-MT22-1 Evaluation of anterior fixation for fragility fractures of the pelvis (FFP classification 2c/3c) using 3D finite element analysis S152
 Dept. of Orthop. Surg., Faculty of Medicine, Oita Univ., Oita, Japan Masahiro Kawagishi
- 2-3-MT22-2 The treatment outcomes of retrograde pubic ramus screw fixation for Nakatani type I pubic fractures in Fragility Fracture of the Pelvis S152
 Trauma Reconstruction Center, Hosp. of the Univ. of Occupational and
 Environmental Health Japan, Fukuoka, Japan Yasuaki Okada
- 2-3-MT22-3 Inverse association between sarcopenia and displacement in the early phase of fragility fractures of the pelvis S153
 Kobe City Medical Center General Hosp., Hyogo, Japan Tadashi Yasuda
- 2-3-MT22-4 Evaluation of fragility fractures of the pelvis combined with proximal femoral fractures S153
 Fukuyama City Hosp., Fukuyama, Japan Junya Kondo
- 2-3-MT22-5 Three cases of pelvic ring fractures with lumbosacral fusion treated with transiliac transdiscal screw S154
 Kagawa Prefectural Central Hosp., Kagawa, Japan Tomoo Inoue
- 2-3-MT22-6 Risk factors associated with bleeding in low-energy pelvic fractures in elderly patients S154
 Okayama Univ., Okayama, Japan Takenori Uehara

Day2 · Room 4 (Conference Bldg. 2F “Sakura 1”)

Oral 29 Infection, Polytrauma (8:30 ~ 9:20)		Chair: K. Oe
2-4-O29-1	Examination of treatment prognosis for hip dislocation by general treatment ... S250 Okazaki City Hosp., Okazaki, Japan Naoya Ito	
2-4-O29-2	The impact on transfusion therapy with or without multiple injuries of pelvis or extremities S251 Gifu Univ. Hosp., Gifu, Japan Takahito Miyake	
2-4-O29-3	Analysis of osteomyelitis by Raman spectroscopy using rat osteomyelitis model ... S251 Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan Shun Fujii	
2-4-O29-4	Fracture-related infections treated with reverse sural artery flap: A series of five cases S252 Tohoku Univ. Hosp. Emergency Center / Sendai City Hosp., Sendai, Japan Atsushi Kogure	
2-4-O29-5	Is DAIR with negative pressure wound therapy (NPWT) useful for PJI of the femoral neck fracture? S252 Nagahama Red Cross Hosp., Shiga, Japan Takashi Honjo	
2-4-O29-6	Infectious factors in tibial fractures with compartment syndrome S253 Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Kenji Taguchi	

Oral 30 Complications (9:30 ~ 10:20)		Chair: M. Yurimitsu
2-4-O30-1	Investigation of patient awareness regarding hardware removal using a patient questionnaire S253 Komaki City Hosp., Aichi, Japan Go Sakai	
2-4-O30-2	Case report: Fasciotomy using Multiple Interrupted Incision for acute compartment syndrome of the leg S254 Mito Medical Center, Ibaraki, Japan Junichiro Morita	
2-4-O30-3	Clinical outcomes of modified Judet Quadricepsplasty in post-traumatic extension contracture of the knee: A study of five patients S254 Jichi Medical Univ., Tochigi, Japan Hironao Shioiri	
2-4-O30-4	Consideration of difficulties of removal of screws S255 Baba Memorial Hosp., Osaka, Japan Yuta Inoue	
2-4-O30-5	Incidence of venous thromboembolism in lower extremity fractures with external fixator or skeletal traction S255 Obihiro Kosei Hosp., Obihiro, Japan Zenta Jotoku	

- 2-4-O30-6 The incidence of deep vein thrombosis (DVT) after lower extremity fractures is higher in patients with low protein S specific activity..... S256
Kumamoto Chuo Hosp., Kumamoto, Japan Yasuyuki Abe

Main Theme 3 Proximal humeral fractures: HHR/RSA

(10:40 ~ 11:50)

Chair: T. Aizawa

- 2-4-MT3-1 Comparative study of hemiarthroplasty for treatment of proximal humeral fractures by two different approach..... S96
Kouseiren Takaoka Hosp., Takaoka, Japan Shumpei Okamoto
- 2-4-MT3-2 Outcome of reverse shoulder arthroplasty for proximal humeral fracture over 70 years old S96
Yashima General Hosp., Takamatsu, Japan Hironori Manabe
- 2-4-MT3-3 Investigation of reverse total shoulder arthroplasty for dislocated proximal humerus fractures S97
Kyoto Kyujo Hosp., Kyoto, Japan /
Kobe City Medical Center General Hosp., Hyogo, Japan Genji Takehara
- 2-4-MT3-4 Clinical outcome of reverse total shoulder arthroplasty for proximal humeral fractures in deltoid palsy S97
Chiba Rosai Hosp., Chiba, Japan Koji Akimoto
- 2-4-MT3-5 Clinical outcomes of Reverse Total Shoulder Arthroplasty (RSA) for proximal humerus fractures: An analysis through implant comparison at our hospital S98
Dept. of Orthop. Surg., Juntendo Univ., Shizuoka Hosp., Shizuoka, Japan Shuichi Moriya
- 2-4-MT3-6 The outcome of reverse shoulder arthroplasty for proximal humerus fracture..... S98
Tokushima Univ., Tokushima, Japan / NHO Kochi Hosp., Kochi, Japan Jun Kawamata
- 2-4-MT3-7 Reverse shoulder arthroplasty for proximal humerus fractures in elderly patients S99
Ise Municipal General Hosp., Mie, Japan Takahiro Asano

Noontime Lecture 12

(12:00 ~ 13:00)

Chair: K. Matsui

- 2-4-NL12 New Development in Syndesmosis Fixation with Fibulink..... S518
Dept. of Musculoskeletal Traumatology, Faculty of Medicine, Dentistry and
Pharmaceutical Sciences, Okayama Univ., Okayama, Japan Masanori Yorimitsu

Main Theme 13 Open fractures (Gustilo III B)

(13:10 ~ 14:10)

Chair: N. Maegawa

- 2-4-MT13-1 Outcomes of Gustilo 3B open tibial fractures: 10 years of limb reconstruction center S126
Shonan Kamakura General Hosp., Kanagawa, Japan Kentaro Futamura

2-4-MT13-2	Reconstruction of Sideswipe elbow	S126
	Shonan Kamakura General Hosp., Kanagawa, Japan	Kanako Tsuihiji
2-4-MT13-3	A study of open fractures resulting in infection in our hospital	S127
	Niigata City General Hosp., Niigata, Japan	Yoshiaki Suzuki
2-4-MT13-4	Investigation of the usefulness of prophylactic use of continuous local antibiotics perfusion for open fractures of the lower leg	S127
	Nagoya Ekisaikai Hosp., Nagoya, Japan	Yuya Yoshimoto
2-4-MT13-5	Bone reconstruction cases with Masquelet method for Gaultilo 3B Tibia open fracture	S128
	Dept. of Musculoskeletal Traumatology and Reconstructive Microsurgery, Hiroshima Univ., Hiroshima, Japan	Yuta Hayashi
2-4-MT13-6	Risks of intramedullary nail fixation for Gustilo type IIIB open tibial fractures ...	S128
	Saitama Medical Center, Saitama Medical Univ., Saitama, Japan	Hokuto Morii

Oral 31 Delayed Union • Nonunion • Malunion

(14:20 ~ 15:00)

Chair: M. Yoshida

2-4-O31-1	Effect of transcutaneous carbon dioxide application on acceleration of bone healing	S256
	Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan	Shunsuke Takahara
2-4-O31-2	Two case reports of pelvic fracture and acetabular fracture after radiotherapy for cervical cancer	S257
	Tsukuba Univ. Hosp., Tsukuba, Japan	Takumi Kurita
2-4-O31-3	Masquelet technique for comminuted open femoral fracture with huge bone defect	S257
	Kansai Medical Univ. Hosp. Emergency Medical Center / Kansai Medical Univ. Hosp. Dept. of Orthop. Surg., Osaka, Japan	Takuma Yagura
2-4-O31-4	Three cases of chipping corrective osteotomies with intramedullary nail for reconstruction of malunion	S258
	Kobe Univ. Graduate School of Medicine, Kobe, Japan	Ryota Nishida
2-4-O31-5	Two cases of deformity healing after lower leg fracture treated with deformity correction by TSF and nail	S258
	Showa Univ. Fujigaoka Hosp., Kanagawa, Japan	Yuki Samejima

Main Theme 18 Nonunion • Bone loss

(15:10 ~ 16:20)

Chair: T. Matsumura

2-4-MT18-1	Results of cases of bone defect of the hand and forearm using free vascularized medial femoral condyle autograft	S140
	Shiraniwa Hosp., Nara, Japan	Yoshitaka Tanaka

- 2-4-MT18-2 Results of CLON (chipping and lengthening over nailing) technique to treat shortening, deformity, and nonunion of femur..... S141
 Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan Takahiro Niikura
- 2-4-MT18-3 Results of surgery without local exposure and autologous bone graft to treat humeral nonunion..... S141
 Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan Takahiro Niikura
- 2-4-MT18-4 A clavicle shaft infectious non-union with bone defect achieved infection control and anatomical reconstruction: A case report S142
 Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan Masafumi Uchida
- 2-4-MT18-5 Investigation of a new bone regeneration therapy using the Masquelet technique for rabbit femoral bone defects..... S142
 Kobe Univ. Graduate School of Mediciner, Kobe, Japan Yuya Yamamoto
- 2-4-MT18-6 Bone metabolism and bone healing process of Masquelet technique in a rat femoral critical sized bone defect model S143
 Trauma Reconstruction Center, Juntendo Univ. Urayasu Hosp., Chiba, Japan / Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan Masao Suzuki
- 2-4-MT18-7 Results of phase I/II clinical trial of BMP-2/artificial bone composite for patients of long bone fracture nonunions. The second report S143
 Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan Takahiro Niikura

Day2 · Room 5 (Conference Bldg. 2F “Sakura 2”)

JSFR Implant Committee Report	Make use of your prior knowledge of implant materials and their characteristics	Chairs: S. Iwabu Y. Anraku
(8:30 ~ 9:30)		

2-5-IC-1 ~ 4	S34
2-5-IC-1	What Clinicians Are wondering About Implant Materials. Questionnaire results. Traumatology and Reconstructive Surg. Center, Saiseikai Niigata Kenoh Kikan Hosp., Niigata, Japan	Tomomi Fukuhara
2-5-IC-2	Non-metallic implants used in fracture treatme Kagawa Prefectural Central Hosp., Kagawa, Japan	Tomoo Inoue
2-5-IC-3	Mechanical Characteristics of Implant Metal Materials Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ., Chiba, Japan	Yusuke Matsuura
2-5-IC-4	Confirming the Safety of Metals in Orthopedic Implants Dept. of Orthop. Surg., Sendai City Hosp., Miyagi, Japan	Atsushi Kogure

Educational Lectures 3	Chair: T. Sato
(9:40 ~ 10:40)	

2-5-EL3-1	The factors of post traumatic osteoarthritis after pilon fracture	S22
	Sagaken Medical Centre KOSEIKAN, Saga, Japan	Takao Mae
2-5-EL3-2	Plate fixation for Pilon fractures via Kesagake approach -Indication and Limitation-	S23
	Kaisei Hosp., Kagawa, Japan	Kiyoto Kinugasa

Educational Lectures 4	Chair: M. Tokunaga
(10:50 ~ 11:50)	

2-5-EL4-1	Treatment of femoral trochanteric fracture with intramedullary nailing	S24
	Hyogo Prefectural Awaji Medical Center, Hyogo, Japan	Atsushi Sakurai
2-5-EL4-2	Operation for proximal femoral fracture using CHS -The importance of reduction and examples of adaptation limits-	S25
	Kumamoto Orthop. Hosp., Kumamoto, Japan	Takuya Ikuta

Noontime Lecture 13

(12:00 ~ 13:00)

Chair: M. Tokunaga

- 2-5-NL13-1 Preventing swing motion in unstable trochanteric fracture by Hansson DC Nail (Superior Lock Nail) S519
 Fukuyama City Hosp., Hiroshima, Japan Chuji Terada
- 2-5-NL13-2 The effect of advanced dynamization for trochanteric fracture of femur S520
 Kyushu Central Hosp., Fukuoka, Japan Takahiro Hamada

Educational Lectures 5

(13:10 ~ 14:10)

Chair: H. Minehara

- 2-5-EL5-1 Progress toward a curative treatment for fracture-related infections S26
 Higashiyamoto Hosp., Tokyo, Japan Toru Hoshi
- 2-5-EL5-2 Surgical treatment for intractable fracture based on my clinical experience S27
 Yokohamashintoshi Neurosurgical Hosp., Kanagawa Japan Shu Obara

Educational Lectures 6

(14:20 ~ 15:20)

Chair: T. Kurozumi

- 2-5-EL6-1 Surgical technique for preventing back out of Kirschner wires in tension band wiring S28
 Saiseikai Utsunomiya Hosp., Tochigi, Japan Shohei Iwabu
- 2-5-EL6-2 Intramedullary nailing The Road to expanded indications -Armed with theoretical arguments- S29
 Mishima Central Hosp., Shizuoka, Japan Hiroaki Nonomiya

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

(15:30 ~ 16:30)

Chair: Y. Tajiri

- 2-5-TS Current concept in the treatment of distal radius fractures
 - Its issues and perspective - S485
 Okayama Saiseikai General Hosp., Okayama, Japan Junya Imatani

Day2 · Room 6 (Conference Bldg. 3F “Shirakashi 1”)

AO Recon Seminar		Chair: M. Ito
(9:10 ~ 10:40)		
2-6-AO2-1	Periprosthetic Fractures and Infection	S489
	Orthop. Surg., Center for Musculoskeletal Surg., Charité, Univ. Hosp. Berlin, Germany	Carsten Perka
2-6-AO2-2	Principles of treatment for periprosthetic fracture of the hip	S490
	Taipei Veterans General Hosp., Taiwan	Cheng-Fong Chen
2-6-AO2-3	Periprosthetic Fractures Following Total Knee Arthroplasty	S491
	Korea Univ. Medical Center, Seoul, Korea	Seung-Beom Han
Combined Session Presentation by Korean and Taiwanese Traveling Fellows		Chair: T. Miyamoto
(10:50 ~ 11:50)		
2-6-KT-1	Posterior pelvic ring injury of straddle fractures: Incidence, fixation methods, and clinical outcomes	S496
	Gachon Univ. College of Medicine, Korea	Yong-Cheol Yoon
2-6-KT-2	Incomplete diaphyseal atypical femoral fracture due to increased anterolateral bowing: Treatment with corrective osteotomy and intramedullary nailing	S497
	Kyungpook National Univ. Hosp., Korea	Joon-Woo Kim
2-6-KT-3	Unleashing the Power of Clinical Data Registries: My Seven-Year Journey to Tell the Stories of Patients with Hip Fractures	S498
	Taipei Municipal Wan Fang Hosp., Taiwan	Yu-Pi Chen
2-6-KT-4	Dumontier group 2 radiocarpal fracture-dislocation: The results of open reduction and fixation without volar ligament repair	S499
	E-Da Hosp., Taiwan	Yen-Wei Li
2-6-KT-5	Novel Technique of ligaments Augmentation on Acute Elbow Dislocation of Our Hospital Experience	S500
	Dept. of Orthop., China Medical Univ. Hosp., Taichung, Taiwan	Chien-Ming Chen

Noontime Lecture 14

(12:00 ~ 13:00)

Chair: S. Isefuku

- 2-6-NL14-1 Orthopaedic trauma surgeon needs to put effort on secondary fracture prevention after proximal hip fracture treatment..... S521
Nagasaki Medical Center, Omura, Japan Takashi Miyamoto
- 2-6-NL14-2 Project 48: Part 2
-A project that started for early surgery has evolved into high-quality team medical care- S522
Dept. of Orthop. Surg., Saiseikai Kumamoto Hosp., Kumamoto, Japan Yoshihisa Anraku
- 2-6-NL14-3 Regional Medical Cooperation for Prevention of Secondary Fractures S523
Kitakyushu General Hosp., Fukuoka, Japan Fumio Fukuda

English Session 4 Upper extremity

(13:10 ~ 14:20)

**Chairs: S. Lambart
K. Murata**

- 2-6-ES4-1 Differences in bone union period for radius fixation with different strengths plates for both forearm fractures S340
Dept. of Musculoskeletal Traumatology and Reconstructive Microsurgery,
Hiroshima Univ., Hiroshima, Japan Yuta Hayashi
- 2-6-ES4-2 Distal Radius Volar Rim Fracture: Prevention and Salvage of Failure Fixation S340
Kaohsiung Veterans General Hosp., Taiwan Chun-Yu Chen
- 2-6-ES4-3 Outcome of surgical cases using the Brodsky approach in scapula body fractures..... S341
Yonemori Hosp., Trauma Reconstruction Center, Kagoshima, Japan Tatsuhiko Muraoka
- 2-6-ES4-4 Comparative analysis of postoperative rotational malalignment: Cross pinning versus lateral para-olecranon pinning in pediatric supracondylar humerus fractures ... S341
Nagoya Ekisaikai Hosp., Nagoya, Japan Satoshi Muto
- 2-6-ES4-5 Preliminary Report of the Treatment of Greater Tuberosity Fractures in the Proximal Humerus Using an Anatomical Plate S342
Kangnam Sacred Heart Hosp., Hallym Univ. Medical Center, Korea Jung-Youn Kim
- 2-6-ES4-6 Investigation of the usefulness of Para-tricipital approach in distal humerus fracture AO type C2 S342
Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Iku Tomonaga
- 2-6-ES4-7 Treatment of transcondylar fractures of the distal humerus in patients aged 80 and over S343
Eastern Chiba Medical Center / Dept. of Orthop. Surg., Chiba Univ.,
Chiba, Japan Hiromasa Wakita

- 2-6-MT30-1 Introduction of a new guide system for glenoid component placement in reverse total shoulder replacement..... S174
Mazda Hosp., Hiroshima, Japan Kazuhiko Kikugawa
- 2-6-MT30-2 MIPO technique with 2 cm small skin incision for the distal radius fractures ... S175
Yao Tokushukai General Hosp., Yao, Japan Yoshihiro Dohi
- 2-6-MT30-3 Adjunctive fixation with intraosseous wiring technique for comminuted distal radius fracture; A case report S175
Dept. of Orthop. Surg., Showa Univ. School of Medicine, Tokyo, Japan Sadaaki Tsutsui
- 2-6-MT30-4 Intramedullary nail removal after tibial shaft fractures (comparison of patella eversion technique and patellar tendon split approach)..... S176
Dept. of Orthop. Surg., Fujigaoka Hosp., Showa Univ., Kanagawa, Japan Tomohiro Yasuda
- 2-6-MT30-5 Surgical technique for static and rapid fixation of posterolateral bone fragments in femoral trochanteric fracture using OLSA[®] S176
Saiseikai Yokohamashi Tobu Hosp., Kanagawa, Japan Toshiyuki Yamauchi
- 2-6-MT30-6 Diagnosis and treatment for compartment syndrome S177
Dept. of Emergency and Critical Care Medicine, Kansai Medical Univ. Hosp. /
Emergency Medical Center, Kansai Medical Univ. Hosp., Osaka, Japan Kaoru Domoto

Day2 · Room 7 (Conference Bldg. 3F “Shirakashi 2”)

Oral 32 Pediatric fractures 1

(8:30 ~ 9:05)

Chair: H. Tsuji

- 2-7-O32-1 Treatment strategies for pediatric supracondylar humeral fractures S259
 Yamaguchi Prefectural General Hosp., Yamaguchi, Japan Masahiro Numa
- 2-7-O32-2 Surgical outcomes of supracondylar humerus fractures in children:
 Early versus delayed with traction S259
 Matsudo City General Hosp., Chiba, Japan Fumiya Shimizu
- 2-7-O32-3 Surgical results for pediatric humerus supracondylar fracture at our hospital ... S260
 Chiba Children Hosp., Chiba, Japan Shun Fukushima
- 2-7-O32-4 Outcome of treatment of dislocated fractures of the elbow joint in children S260
 Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp.,
 Nagoya, Japan Atsuya Adachi

Oral 33 Pediatric fractures 2

(9:15 ~ 9:55)

Chair: M. Nishiwaki

- 2-7-O33-1 Surgical outcomes of pediatric lateral humeral condyle fractures treated with
 tension band wiring S261
 Konan Medical Center, Hyogo, Japan Shotaro Nakamura
- 2-7-O33-2 Usefulness of Kirschner wire fixation for pediatric lateral humeral condyle
 fractures S261
 Aidu Chuo Hosp. Trauma and Reconstructive Surg. Center,
 Fukushima, Japan Naoki Kaneko
- 2-7-O33-3 Surgical treatment of pediatric valgus-impacted elbow fractures S262
 Kainan Hosp., Yatomi, Japan Yoshimasa Tanaka
- 2-7-O33-4 Clinical outcomes of pediatric ankle fractures S262
 Sakai City Medical Center, Sakai, Japan Atsushi Sugita
- 2-7-O33-5 Cases of pediatric femoral neck fractures complicated by post-operative
 avascular necrosis S263
 Hokkaido Univ. / Teine Keijinkai Hosp., Hokkaido, Japan Mariko Kawamura

Oral 34 Clavicle fractures 1

(10:05 ~ 10:45)

Chair: K. Kikugawa

- 2-7-034-1 Osteosynthesis of Scapula fractures using 3D printer S263
Kyusyu Rosai Hosp., Fukuoka, Japan Toshihiro Onizuka
- 2-7-034-2 Surgical technique for complex injuries of the shoulder girdle including fracture
of the coracoid process S264
Japanese Red Cross Narita Hosp., Narita, Japan Yuta Yokoyama
- 2-7-034-3 Osteosynthesis for distal clavicle fractures with small distal fragments by
non-hook locking plate..... S264
Dept. of Orthop. Surg., Okayama City Hosp., Okayama, Japan Seiya Ishihara
- 2-7-034-4 Intramedullary screw fixation with a full thread screw for clavicle
diaphysis fractures S265
Toyohashi Municipal Hosp., Toyohashi, Japan Hiroshi Fukuoka
- 2-7-034-5 The outcome of arthroscopic surgery for glenoid rim fracture S265
Seirei Hamamatsu General Hosp., Hamamatsu, Japan Masayuki Abe

Oral 35 Clavicle fractures 2

(10:55 ~ 11:35)

Chair: Y. Kobayashi

- 2-7-035-1 Comparison of general anesthesia and ultrasound-guided interscalene block for
hardware removal after displaced clavicle fractures after bony union..... S266
Chiba Rosai Hosp., Chiba, Japan Koji Akimoto
- 2-7-035-2 Acromioclavicular joint dislocation with ipsilateral clavicle shaft fracture:
A report of two cases S266
Ishikawa Prefectural Central Hosp. Ishikawa, Japan Ryosuke Ikku
- 2-7-035-3 Relationship between postoperative acromioclavicular joint dislocation and
acromioclavicular ligament injury associated with distal clavicle fracture S267
Chugoku Rosai Hosp., Kure, Japan Mariko Osugi
- 2-7-035-4 Two cases of combined treatment of distal clavicle fracture with
acromioclavicular ligament repair..... S267
Minami Nara General Medical Center, Nara, Japan Keisuke Tsujimura
- 2-7-035-5 Cases in which a distal clavicle fracture was treated using a suture button S268
Nara Prefecture General Medical Center, Nara, Japan Ko Matsuyama

Oral 36 Fractures around shoulder girdle
(13:10 ~ 13:50)

Chair: M. Matsumoto

- 2-7-O36-1 Bilateral multiple rib fractures with surgical treatment S268
Saiseikai Utsunomiya Hosp., Tochigi, Japan Chiho Oshima
- 2-7-O36-2 A case of scapula fracture and rib fracture with plate fixation by modified Judet approach S269
Yokohama City Univ. Medical Center, Kanagawa, Japan Masahiro Matsumoto
- 2-7-O36-3 Experience in using proximal locking plates for proximal clavicle fractures S269
Tokai Univ. Hosp., Kanagawa, Japan Ryosei Yamamoto
- 2-7-O36-4 A case of proximal clavicle epiphyseal line injury (posterior dislocation) that requiring open treatment 2 weeks after injury S270
Maebashi Redcross Hosp., Gunma, Japan Takahiro Umeyama
- 2-7-O36-5 Operative management of coracoid process fractures: A case series S270
Ishikawa Prefectural Central Hosp., Ishikawa, Japan Kentaro Fujita

Oral 37 Diaphyseal fractures of the radius and ulna
(14:00 ~ 14:35)

Chair: D. Osada

- 2-7-O37-1 3 cases of atypical ulna fractures S271
Tohoku Rosai Hosp., Sendai, Japan Hiroaki Ogawa
- 2-7-O37-2 The case report of atypical ulnar fracture by long-term bisphosphonate therapy S271
Toyohashi Medical Center, Toyohashi, Japan Masataka Kato
- 2-7-O37-3 Henry approach for fixation of proximal third radial shaft fracture S272
Shonan Kamakura General Hosp., Kanagawa, Japan Masayuki Hasegawa
- 2-7-O37-4 Volar plate fixation for distal metaphyseal radius fractures in children S272
Hokusetsu General Hosp., Osaka, Japan Naoki Ueda

Oral 38 Tibial fractures 1
(14:45 ~ 15:25)

Chair: T. Mae

- 2-7-O38-1 Tibial pilon fracture without fibular fracture complicates lateral ankle ligament injury S273
Tokyo Metropolitan Bokutoh Hosp., Tokyo, Japan Aisa Nunome
- 2-7-O38-2 Closed pilon fractures with impossible wound closure during osteosynthesis ... S273
Okayama City Hosp., Okayama, Japan Yo Kinami
- 2-7-O38-3 Several cases of anterior midline incision for bicondylar tibial plateau fractures with diaphyseal-metaphyseal dissociation S274
Nippon Medical School, Tokyo, Japan Hiroaki Shirao

- 2-7-O38-4 Factors associated with malalignment of intramedullary nail surgery for tibial fractures S274
 Dept. of Orthop., School of Medicine, Jichi Medical Univ., Tochigi, Japan Jiro Ando
- 2-7-O38-5 The study of fibular fixation in tibia-fibula fractures S275
 Tokai Univ. School of Medicine Dept. of Orthop., Kanagawa, Japan Miyu Tamaki

Oral 39 Tibial fractures 2
 (15:35 ~ 16:15)

Chair: I. Ohno

- 2-7-O39-1 Outcome of intramedullary nailing with lateral parapatellar approach for tibia fractures S275
 Suwa Central Hosp., Chino, Japan Yuta Shimizu
- 2-7-O39-2 Tibial nail inserted via the suprapatellar approach can be removed by the same approach S276
 Urasoe General Hosp., Okinawa, Japan Noriaki Nakamura
- 2-7-O39-3 Experience of rim plate treatment for plateau fracture with lateral depression type S276
 Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Shingo Ota
- 2-7-O39-4 Sliding bone graft for lateral split depression type tibial plateau fracture S277
 Trauma & Reconstruction Center, Southern TOHOKU General Hosp. /
 Dept. of Traumatology, Fukushima Medical Univ., Fukushima, Japan Motoyuki Takaki
- 2-7-O39-5 The usefulness of Tibiotalar Nail S277
 Gifu Univ. Hosp., Gifu, Japan /
 Shonan Kamakura General Hosp., Kanagawa, Japan Masahiro Ichihashi

Day2 · Room 8 (Exhibition Bldg. IF “Room 4”)

Oral 40 Spinal injury (8:30 ~ 9:20)		Chair: K. Oae
2-8-O40-1	Postoperative outcomes of BKP for osteoporotic vertebral fractures and investigation of secondary vertebral fractures	S278 Saiseikai Senri Hosp., Osaka, Japan Yuko Date
2-8-O40-2	Study of thoracolumber fractures due to jumping off injury	S278 Ehime Prefectural Central Hosp., Ehime, Japan Masaki Nakasuka
2-8-O40-3	The study of posterior fusion of the vertebral body for vertebral fractures	S279 Ibaraki Prefectural Central Hosp., Ibaraki, Japan Masahiro Kosaka
2-8-O40-4	Incidence of vertebral artery injury and symptomatic cerebral infarction in cervical vertebral dislocation fractures	S279 Miyazaki Univ. Hosp., Miyazaki, Japan Masaru Hiyoshi
2-8-O40-5	Withdraw	
2-8-O40-6	Effectiveness of aggressive posterior correction and fixation technique for thoracolumbar junction burst fractures	S280 Hiroshima Univ., Hiroshima, Japan Kazunori Oae

Main Theme 8 Ankle fractures (9:30 ~ 10:30)		Chair: K. Matsui
2-8-MT8-1	Pain and screw removal rate depending on plate placement location -A study on the placement of plates for 173 cases-	S111 Shizuoka Red Cross Hosp., Shizuoka, Japan Tsuyoshi Amemiya
2-8-MT8-2	Validity and reliability of the incisura tangent method, a new fixation method for distal tibiofibular diastasis associated with ankle fractures.....	S111 Chiba Univ. Hosp. / Chiba Medical Center, Chiba, Japan Toshinari Mashu
2-8-MT8-3	Functional repair of deep deltoid ligament using artificial ligament for complete rupture of the deltoid ligament in ankle joint fractures	S112 Fukushima Medical Univ., Trauma and Reconstructive Center / Aidu Chuo Hosp. Reconstruction Center, Fukushima, Japan Yoshifumi Kawamae
2-8-MT8-4	Clinical result of a new internal fixation method for Maisonneuve fracture with Two hole one Third Tubular locking plate (TTT) fixation	S112 Dept. of Orthop. Surg., Teikyo Univ. School of Medicine / Trauma & Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Ryota Kobayashi
2-8-MT8-5	Correction loss due to immediately weight-bearing and ADL investigation in Ilizarov external fixator of fragility ankle fractures in elderly patients	S113 Akita Univ. Graduate School of Medicine, Akita, Japan Koji Nozaka

- 2-8-MT8-6 Does the presence or absence of tibiofibular fixation affect the treatment outcomes in AO44C ankle fractures? S113
 Kobe City Medical Center General Hosp., Hyogo, Japan Shinnosuke Yamashita

Main Theme 9 Calcaneus fractures

(10:50 ~ 11:50)

Chair: K. Kinugasa

- 2-8-MT9-1 Postoperative outcomes of calcaneal fractures with plate fixation by sinus tarsi approach are comparable to those of extended lateral approach S114
 Kagawa Prefecture Central Hosp., Kagawa, Japan Kohei Iwamoto
- 2-8-MT9-2 Treatment for calcaneal fracture including calcaneocuboid joint S114
 Dept. of Traumatology, Fukushima Medical Univ. / Trauma & Reconstruction Center,
 Southern TOHOKU General Hosp., Fukushima, Japan Motoyuki Takaki
- 2-8-MT9-3 Surgical outcome of Trans-talar pinning fixation for calcaneal fracture S115
 National Hosp. Organization Himeji Medical Center, Himeji, Japan Shinta Watanabe
- 2-8-MT9-4 Study on the timing of weight-bearing initiation after locking plate fixation for calcaneal fractures S115
 Kyoto Okamoto Memorial Hosp., Kyoto, Japan Daisuke Takada
- 2-8-MT9-5 The usefulness of early postoperative loading with graffin type contact casts for bilateral calcaneal fractures S116
 Kyushu Univ. Hosp., Fukuoka, Japan / Iwata City Hosp.,
 Shizuoka, Japan Yosuke Kuroki
- 2-8-MT9-6 Calcaneus fractures with fleck sign: A report of three cases S116
 Kakogawa Medical Center, Hyogo, Japan Kazuaki Kawasaki

Noontime Lecture 15

(12:00 ~ 13:00)

Chair: N. Shiota

- 2-8-NL15-1 The Treatment Strategy for Femoral Trochanteric Fractures to Overcome Bone Fragility S524
 Kyoto Okamoto Memorial Hosp., Kyoto, Japan Daisuke Takada
- 2-8-NL15-2 Treatment of femoral trochanteric fractures in a super-aging society S525
 Orthop. Surg., Rehabilitation, Japanese Red Cross Ise Hosp., Mie, Japan Kazuma Okuno

Main Theme 25 Trochanteric femoral fractures in the elderly: Walking analysis · FLS

(13:10 ~ 13:50)

Chair: T. Waki

- 2-8-MT25-1 Prediction of postoperative gait ability examining gluteal muscles in healthy axillar images of pertrochanteric fractures S161
 Himeji Central Hosp., Hyogo, Japan Mitsuaki Noda
- 2-8-MT25-2 Factors affecting walking function after proximal femoral fracture surgery S161
 Berurando Sougou Hosp., Osaka, Japan Keiji Iwaisako

- 2-8-MT25-3 Secondary fracture rates two year after a hip fracture of severe osteoporosis patients under fracture liaison service S162
 Kushiro City General Hosp., Kushiro, Japan Shun Shimodan
- 2-8-MT25-4 Progress of patients treated with alendronate for secondary fracture prevention after proximal femoral fracture surgery S162
 Kobe Rosai Hosp., Hyogo, Japan Sota Ogino

Main Theme 27 Interprofessional Work (For early surgery) (14:10 ~ 15:20)	Chair: F. Fukuda
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- 2-8-MT27-1 Work style reform for local trauma orthopedic surgeons S166
 NHO Nagasaki Medical Center, Nagasaki, Japan Keita Yamaguchi
- 2-8-MT27-2 Multidisciplinary treatment of pelvic fractures centered on the emergency center: Efforts toward early surgery and prevention of perioperative complications S167
 Graduate School of Hiroshima Univ., Hiroshima, Japan Shinichi Ueki
- 2-8-MT27-3 Secondary fracture and mortality risk with very high fracture risk osteoporosis and proximal femoral fracture S167
 Hokkaido Univ., Hokkaido, Japan Hotaka Ishizu
- 2-8-MT27-4 Can Liaison therapy of bone metastasis prevent SRE? S168
 Japanese Red Cross Society Wakayama Medical Center,
 Wakayama, Japan Yasuyuki Tamaki
- 2-8-MT27-5 Roles and activity results of Nurse Practitioner in fracture treatment S168
 Oume Medical Center, Oume, Japan Waka Handa
- 2-8-MT27-6 Initiatives toward early surgery for hip fractures
【A look back at 10 years of efforts at our hospital】 S169
 Nishiwaki Municipal Hosp., Nishiwaki, Japan Takahiro Fukazawa
- 2-8-MT27-7 The role of tumor board meetings and treatment outcomes of metastatic femoral tumors S169
 The Jikei Univ. Hosp., Tokyo, Japan Tatsuki Matsuoka

Day2 · Room 9 (Exhibition Bldg. 1F “Room 3”)

Oral 41 Fractures of the distal radius and ulna 1

(8:30 ~ 9:20)

Chair: K. Naito

- 2-9-O41-1 The results of the conservative treatment with the progressive manual reduction and the dorsiflexion position cast to the distal radius fractures..... S281
Izumi Orthop. Surg. Hosp., Sendai, Japan Kazuhiko Koseki
- 2-9-O41-2 The unstable element of the distal radius fractures is rather the fracture type (transverse fracture? Oblique fracture?) than the degree of the dislocation S281
Izumi Orthop. Surg. Hosp., Sendai, Japan Kazuhiko Koseki
- 2-9-O41-3 Devising of the pronator quadratus muscle dissection to cover distal volar locking plate S282
Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan Takamaru Suzuki
- 2-9-O41-4 Outcomes of combined volar and dorsal locking plate for distal radius fractures... S282
Baba Memorial Hosp., Osaka, Japan Makoto Fukuda
- 2-9-O41-5 Temporary bridging external fixation in distal radius fracture..... S283
Japanese Red Cross Kobe Hosp., Kobe, Japan Minami Matsuhashi
- 2-9-O41-6 Screw positioning of Stellar D plate for distal radius fractures
– Comparison with Acu-loc2 – S283
Otemae Hosp., Osaka, Japan Hirakazu Murayama

Oral 42 Fractures of the distal radius and ulna 2

(9:30 ~ 10:10)

Chair: Y. Imaizumi

- 2-9-O42-1 Outcome of Clip Pin fixation of open distal ulnar fractures complicated by distal radius fractures S284
Dept. of Orthop. Surg., Kitakyushu General Hosp., Fukuoka, Japan Naoki Toba
- 2-9-O42-2 Outcome of ulnar styloid fracture complicated by distal radius fracture..... S284
Fukui Prefecture Hosp., Fukui, Japan Masahiro Kidera
- 2-9-O42-3 Examination of the necessity of internal fixation for distal ulna fractures associated with distal radius fractures S285
Saiseikai Shimonoseki General Hosp., Yamaguchi, Japan Yohei Takahashi
- 2-9-O42-4 Dislocation of distal radius fracture palmar Barton fracture after repositioning S285
Tokuyama Central Hosp., Yamaguchi, Japan Atsushi Moriya
- 2-9-O42-5 The surgical management for distal radius fracture in over 80 years old S286
Saiseikai Shimonoseki General Hosp., Shimonoseki, Japan Yukio Abe

Oral 43 Fractures of the distal radius and ulna 3

(10:30 ~ 11:20)

Chair: Y. Zenke

- 2-9-O43-1 Clinical evaluation related to central sensitization after surgery for distal radius fractures S286
Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan Kiyohito Naito
- 2-9-O43-2 Olecranon bone graft for treated of bone loss in distal radial fractures S287
East Maebashi Orthop. Hosp., Gunma, Japan Kazuya Kurosawa
- 2-9-O43-3 Analysis of the relationship between transverse and anteroposterior diameter of the radius articular surface and age, height, and weight for selecting implants of osteosynthesis S287
Dept. of Orthop. Surg., Institute of Medicine, Univ. of Tsukuba, Tsukuba, Japan Reo Asai
- 2-9-O43-4 Preventive measures for the development of flexor pollicis longus tendon rupture after distal radius fracture surgery in our department S288
Nagoya City Univ. East Medical Center, Nagoya, Japan Yusuke Komoto
- 2-9-O43-5 Fixed-angle volar locking plate fixations for intra-articular distal radius fractures make it possible to stabilize VLF, DLF and central depression fragments S288
Hitsujigaoka Hosp., Sapporo, Japan Hideki Tsuji
- 2-9-O43-6 Surgical treatment for distal radius fractures with ipsilateral arteriovenous shunts; Report of four cases S289
Seirei Hamamatsu Hosp., Shizuoka, Japan Masanori Matsuura

Noontime Lecture 16

(12:00 ~ 13:00)

Chair: T. Noda

- 2-9-NL16 Screw fixations for pelvic and acetabular fractures -Progress and prospects- ... S526
Saitama Medical Center, Kawagoe, Japan Yasuhisa Ueda

Oral 44 Fractures of the distal radius and ulna 4

(13:10 ~ 13:50)

Chair: S. Takahata

- 2-9-O44-1 Three cases of palmar locking plate fixation without distal screws for palmar displaced distal radius fractures in children S289
St. Marianna Univ. Hosp., Kanagawa, Japan Koh Terauchi
- 2-9-O44-2 Results of treatment in patients of distal radius using a novel rugby ball-shaped β -tricalcium phosphate artificial bone substitute S290
Showa Univ. Yokohama Northern Hosp., Kanagawa, Japan Hirotaka Akezuma
- 2-9-O44-3 Tendon Rupture after volar plate fixation of distal radius fracture S290
Kawasaki Medical School Dept. of Orthop., Traumatology & Spine Surg., Kurashiki, Japan Yoshiyuki Hara

- 2-9-O44-4 Comparison of surgical treatment results with or without osteoporosis in distal radius fracture using HTS Stellar plate S291
Sumiya Orthop. Hosp., Wakayama, Japan Takashi Kitano
- 2-9-O44-5 Trial of GIFT method for VLP treatment of distal radius fracture and fragment specific fixation S291
Dept. of Orthop. Saiseikai Kawaguchi General Hosp., Saitama, Japan Tsuyoshi Ota

Oral 45 Femoral neck fractures 1

(14:00 ~ 14:50)

Chair: K. Ogawa

- 2-9-O45-1 Femoral Neck System vs. Hansson Pinloc in the treatment of femoral neck fracture S292
Kimitsu Chuo Hosp., Chiba, Japan Hiroki Yamagata
- 2-9-O45-2 Outcome of open reduction and internal fixation of femoral neck fractures S292
Osaka General Medical Center, Osaka, Japan Takanori Shimizu
- 2-9-O45-3 Treatment results of Prima Hip Screw Side Plate Long for femoral neck fractures S293
Nishinomiya Kyouritsu Neurosurgical Hosp., Nishinomiya, Japan Yuhei Takiuchi
- 2-9-O45-4 Removal of the implant after internal fixation using Prima Hip Screw Side Plate system S293
Higashihiroshima Medical Center, Hiroshima, Japan Ryo Mori
- 2-9-O45-5 Operation results of SAAF for femoral neck fracture S294
Yuri Kumiai General Hosp., Akita, Japan Itsuki Nagahata
- 2-9-O45-6 Is a conventional traction table for osteosynthesis of femoral fractures a viable alternative to a traction table specialized for total hip arthroplasty through the direct anterior approach? S294
Yokohama Tsurugamine Hosp., Kanagawa, Japan /
Juntendo Univ. Tokyo, Japan Seiya Ishii

Oral 46 Femoral neck fractures 2

(15:00 ~ 15:40)

Chair: T. Onizuka

- 2-9-O46-1 Is the reduction position of valgus and retrotorsion maintained in osteosynthesis for femoral neck fractures? S295
Chikamori Hosp., Kochi, Japan Shinjiro Yokota
- 2-9-O46-2 Short-term outcomes of osteosynthesis with TresLock for non-displaced femoral neck fractures in the elderly S295
Fukuoka Seisyukai Hosp., Fukuoka, Japan Daisuke Eno
- 2-9-O46-3 Risk factors of the complications after osteosynthesis in young patients less than 50 years old with displaced femoral neck fracture S296
Hamamatsu Univ. School of Medicine, Shizuoka, Japan Yuki Murakami

- 2-9-O46-4 Does a femoral subcapital fracture become a postoperative complication risk of non-displaced femoral neck fractures?..... S296
Kochi Health Sciences Center, Kochi, Japan Kazuki Hirose
- 2-9-O46-5 Characteristics of revision surgery for osteosynthesis in patients with femoral neck fracture..... S297
Sugita Genpaku Memorial Obama Municipal Hosp., /
Univ. of Fukui Hosp., Fukui, Japan Kenichi Takeno

Day2 · Room 10 (Exhibition Bldg. IF “Room 2”)

Oral 47 Femoral shaft fractures 1

(8:30 ~ 9:10)

Chair: Y. Yagata

- 2-10-O47-1 Effects of advanced locking screws in intramedullary nails on bone union for femoral shaft fractures S297
 Hyogo Emergency Medical Center / Japanese Red Cross Kobe Hosp.,
 Kobe, Japan Genta Fukumoto
- 2-10-O47-2 Lateral position for treating sub-trochanteric and diaphyseal femoral fractures using an intramedullary nail S298
 The Jikei Univ. Hosp., Tokyo, Japan Muneta Kajiwara
- 2-10-O47-3 Four cases of ipsilateral femoral fractures treated with a single implant S298
 St. Marianna Univ. School of Medicine, Kanagawa, Japan Kentaro Sato
- 2-10-O47-4 Clinical outcome after internal fixation for distal femoral fractures in elderly patients S299
 Suzuka General Hosp., Suzuka, Japan Masakazu Morikawa
- 2-10-O47-5 Treatment for femoral and tibia fracture using CLHS..... S299
 Kansai Medical Univ. Hosp. Emergency Medical Center /
 Kansai Medical Univ. Hosp. Dept. of Orthop. Surg., Osaka, Japan Takuma Yagura

Oral 48 Femoral shaft fractures 2

(9:20 ~ 10:10)

Chair: T. Wakejima

- 2-10-O48-1 Clinical results of subtrochanteric femur fractures by less invasive open reduction and internal fixation S300
 Kashiba Seiki Hosp., Nara, Japan Yoshiharu Kusabiraki
- 2-10-O48-2 Intramedullary nail fixation using an anterior reduction plate for subtrochanteric femoral fractures S300
 Matsudo City General Hosp., Chiba, Japan Shohei Kojima
- 2-10-O48-3 Outcome from operation with double plate for distal femur fracture S301
 Suwa Central Hosp., Chino, Japan Satoshi Kawamura
- 2-10-O48-4 The outcome after implant removal for femoral diaphyseal fractures treated with intramedullary nails S301
 Jichi Medical Univ. Hosp., Tochigi, Japan Yoshiya Nibe
- 2-10-O48-5 A case series of Fat Embolism Syndrome after fracture..... S302
 Miyazaki Prefectural Miyazaki Hosp., Miyazaki, Japan Ryutaro Kozuma
- 2-10-O48-6 Early surgical stabilization for femoral shaft fractures and Study of ecases complicated by fat embolism syndrome S302
 Gifu Univ. Hosp., Gifu, Japan Yosuke Mizuno

Oral 49 Pathological fractures 1

(10:20 ~ 10:55)

Chair: H. Ueda

- 2-10-O49-1 Study on the number of the days required for the referral of patients with surgically treated metastatic bone lesions of the femur from Orthopaedic surgeon to medical oncologists S303
Kyushu Rosai Hosp., Fukuoka, Japan Tomoya Matsunobu
- 2-10-O49-2 Roles of orthopaedic surgeon in the treatment of bone metastasis with pathological fracture at a regional hospital S303
Dept. of Orthop., Rheumatology, Musculoskeletal and Cutaneous Surg.,
Program in Integrated Medicine, Graduate School of Medicine Nagoya Univ.,
Aichi, Japan / Yokkaichi City Hosp., Mie, Japan Takeo Fujito
- 2-10-O49-3 Surgical delay in for impending/pathological femoral fractures due to bone metastasis S304
Trauma & Reconstruction Center, Teikyo Univ. Hosp. /
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan Ion Kimura
- 2-10-O49-4 Comparison of survival rates of patients with or without chemotherapy following internal fixation of impending/pathological fractures in metastatic femoral bone tumors S304
Iwate Medical Univ. Hosp., Iwate, Japan Naotaka Shimatani

Oral 50 Pathological fractures 2

(11:05 ~ 11:45)

Chair: K. Momii

- 2-10-O50-1 Treatment selection and outcomes in patients with metastatic bone tumors of the proximal femur S305
Kyushu Rosai Hosp., Fukuoka, Japan Tatsuya Mori
- 2-10-O50-2 Verification of the risk of pathological fracture in femoral bone metastases S305
Dept. of Orthop. Surg., The Jikei Univ. School of Medicine, Tokyo, Japan /
The Jikei Univ. Kashiwa Hosp., Chiba, Japan Naoya Inagaki
- 2-10-O50-3 Treatment of radius pathological fractures using HAI Forearm Rod System ... S306
Kumamoto Kenhoku Hosp., Kumamoto, Japan Yasuhiro Urata
- 2-10-O50-4 Screw fixation with bone cement for peri-acetabular metastasis:
A report of three cases S306
Tokyo Dental College Ichikawa General Hosp., Chiba, Japan Yuki Aibara
- 2-10-O50-5 Clinical characteristics and courses in patients with femoral bone metastasis after palliative radiotherapy S307
Nagoya Univ. Hosp., Nagoya, Japan Tomohisa Sakai

Noontime Lecture 17

(12:00 ~ 13:00)

Chair: E. Chosa

- 2-10-NL17 Treatment strategies for osteoporosis after proximal femur fracture S527
 Dept. of Orthop., Aizawa Hosp., Nagano, Japan Hiroyuki Kodaira

Oral 51 Patella fractures

(13:10 ~ 13:50)

Chair: A. Nakamura

- 2-10-O51-1 Comparative study of strong suture method and AI-Wiring System for patella fractures S307
 Kyoto Okamoto Memorial Hosp., Kyoto, Japan Hajime Mori
- 2-10-O51-2 Association between implant protrusion and pain after osteosynthesis of patellar fractures S308
 JCHO Hoshigaoka Medical Center, Osaka, Japan Yukihiro Yasui
- 2-10-O51-3 Consideration of low patellar position and range of motion after patellar inferior pole fracture surgery S308
 Aidu Chuo Hosp. / Fukushima Medical Univ., Trauma and Reconstructive Center,
 Fukushima, Japan Yutaka Otake
- 2-10-O51-4 Double bend tension band wiring technique for patellar fractures S309
 Saitama City Hosp., Saitama, Japan Satoshi Oki
- 2-10-O51-5 The clinical outcomes of the "Sunflower Method" with the new Pin Sleeve System for patellar fractures S309
 Hyogo Prefectural Harima Himeji General Medical Center, Himeji, Japan Yu Fujiwara

Oral 52 Fractures and dislocations of the midfoot and forefoot

(14:00 ~ 14:40)

Chair: M. Kishimoto

- 2-10-O52-1 Indicators of screw insertion into sustentaculum tali of calcaneal fracture S310
 Dept. of Orthop. Surg., Okayama Red Cross Hosp., Okayama, Japan Yusuke Mochizuki
- 2-10-O52-2 Consideration of fragility fracture of calcaneus S310
 Kanmon Medical Center, Yamaguchi, Japan Tetsu Tsubone
- 2-10-O52-3 Early postoperative loading with graffin type contact cast for bilateral calcaneal fractures: 3 cases S311
 Iwata City Hosp., Shizuoka, Japan / Kyushu Univ. Hosp., Fukuoka, Japan Yosuke Kuroki
- 2-10-O52-4 2 cases of internal infection using mesh plate for proximal phalanx pseudarthrosis of the great toe S311
 Dept. of Orthop. Surg., Kobe Univ. Graduate School, Kobe, Japan Hyuma Kondo
- 2-10-O52-5 Augmented fixation in 5th metatarsal shaft fractures with cerclage wiring in conjunction with antegrade intramedullary Kirschner wiring fixation S312
 Dept. of Orthop. Surg., Showa Univ. School of Medicine, Tokyo, Japan Sadaaki Tsutsui

Oral 53 Calcaneus fractures

(14:50 ~ 15:30)

Chair: K. Sasajima

- 2-10-O53-1 Role of the intrafocal pin in reducing calcaneal fractures S312
Dept. of Orthop. Surg., Okayama Red Cross Hosp., Okayama, Japan Yusuke Mochizuki
- 2-10-O53-2 Reduction using destruction device for calcaneus fracture cases S313
Dept. of Musculoskeletal Traumatology and Reconstructive Microsurgery, Hiroshima Univ.,
Hiroshima, Japan Yuta Hayashi
- 2-10-O53-3 Surgical outcome for intraarticular calcaneus fractures
-Effects of coexisting calcaneocuboid intraarticular fracture- S313
Rakusai-Shimizu Hosp., Kyoto, Japan Kei Tanaka
- 2-10-O53-4 Two case reports of surgical treatment for calcaneal beak fracture (possibility
of staged operation for reducing skin depression in emergency room) S314
Yokohama Shintoshi Neurosurgery Hosp., Yokohama, Japan Taisuke Yoneya
- 2-10-O53-5 Lag screw and plate augmentation for beak type calcaneus fracture;
2 case reports S314
Japanese Redcross Maebashi Hosp., Maebashi, Japan Takaya Kubozuka

Day2 · Room 11 (Exhibition Bldg. 1F “Room 1”)

Oral 54 Humerus keaphyseal fractures

(8:30 ~ 9:10)

Chair: M. Matsuda

- 2-11-054-1 Traumatic radial nerve palsy complicated with humerus fracture S315
Japanese Red Cross Nagoya Daini Hosp., Nagoya, Japan Koki Miyagawa
- 2-11-054-2 Treatment experience of humeral shaft fractures with LCP Metaphseal Plate
by anterior approach S315
Kansai Rosai Hosp., Amagasaki, Japan Junta Kikuchi
- 2-11-054-3 Ender nail treatment for pediatric humeral shaft fracture S316
Hanwa Memorial Hosp., Osaka, Japan Hiroyuki Takeuchi
- 2-11-054-4 Clinical results of anterior approach plating for distal-third humeral shaft
fractures S316
Ishikawa Prefectural Central Hosp., Ishikawa, Japan Masamichi Kishida
- 2-11-054-5 Pseudarthrosis after intramedullary nail surgery in humeral diaphyseal fracture:
Three case reports S317
Dept. of Orthop. Surg., Kitasato Univ. School of Medicine,
Kanagawa, Japan Shintaro Shoji

Oral 55 Distal humerus fractures

(9:20 ~ 9:55)

Chair: T. Sano

- 2-11-055-1 6 cases of fixation of distal humeral diaphysis fractures with Broad LC-LCP plate
metaphyseal S317
The Jikei Univ. Kashiwa Hosp., Chiba, Japan /
Dept. of Orthop. Surg., The Jikei Univ. School of Medicine, Tokyo, Japan Go Nishizawa
- 2-11-055-2 Intramedullary nail fixation for distal one third humeral fractures S318
Kishiwada Tokushukai Hosp., Kishiwada, Japan Satoshi Hayashi
- 2-11-055-3 Small skin incision Acutrak screw fixation for distal humeral fractures in elderly
patients S318
Senen Rihu Hosp., Sendai, Japan Yoshihiko Kato
- 2-11-055-4 Two cases of displacement and subsequent union after fixation with tension band
wiring with ring pins for olecranon osteotomy S319
Funabashi Municipal Medical Center, Chiba, Japan Takeru Ohara

Oral 56 Fractures around the elbow

(10:00 ~ 10:50)

Chair: S. Iwabu

- 2-11-056-1 Kirschner wire double bending technique is effective in preventing wire back-out
in tension band wiring for olecranon fractures S319
Saiseikai Utsunomiya Hosp., Tochigi, Japan Shohei Iwabu

- 2-11-O56-2 The surgical strategy for coronal shear fractures of the distal humerus based on fracture pattern..... S320
 Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp.,
 Aichi, Japan Hideyoshi Sawada
- 2-11-O56-3 Two cases of compound fractures of the coronoid process of the ulna and olecranon S320
 Hand and Microsurgery Center, Dept. of Orthop. Surg.,
 Seikeikai Hosp., Osaka, Japan Kodai Okano
- 2-11-O56-4 On-table technique for comminuted fractures of the radial head S321
 Shonan Kamakura General Hosp., Kanagawa, Japan Masayuki Hasegawa
- 2-11-O56-5 Post-operative heterotopic ossification associated with radial head fracture S321
 Nagoya Ekisaikai Hosp., Nagoya, Japan Satoshi Niwa
- 2-11-O56-6 Postoperative outcome after open reduction and internal fixation of triceps tendon avulsion fracture of the humerus using the Suture bridge technique ... S322
 Suita Municipal Hosp., Osaka, Japan Kohei Mitani

Oral 57 Hand fractures (Phalangeal bone fractures, carpal bone fractures) 1
 (11:00 ~ 11:50)

Chair: K. Ikeda

- 2-11-O57-1 Operative treatment for nonunion of the proximal scaphoid S322
 Nakadori General Hosp., Akita, Japan Seietsu Senma
- 2-11-O57-2 Outcome of arthroscopic bone grafting for delayed scaphoid nonunion between 6 weeks and less than 3 months post-injury S323
 Showa Univ. Yokohama Northern Hosp., Kanagawa, Japan Keikichi Kawasaki
- 2-11-O57-3 Radiological feature of the carpometacarpal joint in hamate body fractures: Diagnosis using versatile anteroposterior hand X-ray images S323
 Iiduka Hosp., Fukuoka, Japan Yusuke Kubo
- 2-11-O57-4 Intrafocal pinning for epiphyseal injury of proximal phalangeal base in children... S324
 Shonan Central Hosp., Fujisawa, Japan Masayoshi Ikeda
- 2-11-O57-5 Effects of locking plate positioning for metacarpal shaft fractures on the postoperative range of finger motion S324
 Niigata Hand Surgery Foundation, Niigata, Japan Takuma Kuroda
- 2-11-O57-6 Treatment for metacarpal neck fractures by intramedullary Kirschner-wires fixation S325
 Kitakyushu General Hosp., Fukuoka, Japan Toshinari Iiyama

Noontime Lecture 18

(12:00 ~ 13:00)

Chair: S. Ozeki

- 2-11-NL18-1 Surgical strategies taking advantage of the features of the medartis® plate system S528
 Univ. of Tsukuba Hosp., Ibaraki, Japan Yohei Yanagisawa
- 2-11-NL18-2 Subtle Lisfranc injury and Lisfranc fracture-dislocation: current concept S529
 St. Marianna Univ. Yokohama Seibu Hosp., Kanagawa, Japan Naoki Haraguchi

Oral 58 Hand fractures (Phalangeal bone fractures, carpal bone fractures) 2

(13:10 ~ 13:50)

Chair: K. Kawasaki

- 2-11-O58-1 Percutaneous pinning for mallet fracture by using two extension block S325
 Sen-en Rifu Hosp., Saitama, Japan Kazushige Hasegawa
- 2-11-O58-2 Surgical Treatment for PIP intraarticular fracture with modified hook plate ... S326
 Dept. of Orthop. Surg., Showa Univ. School of Medicine /
 Showa Univ. Koto Toyosu Hosp. Tokyo, Japan Yusuke Higashiyama
- 2-11-O58-3 Treatment for dorsal fracture dislocation of PIP joints combined with depression fragment used by fook-plate (Kawano prosedure) S326
 Kohsei General Hosp., Hiroshima, Japan Masaaki Kawano
- 2-11-O58-4 Treatment for dorsal fracture dislocations of proximal interphalangeal joints with extension block and mini screw S327
 Saitama Medical Center, Saitama, Japan /
 International Shinzenfukushi General Hosp., Kanagawa, Japan Kozo Morita
- 2-11-O58-5 Surgical mobilization for traumatic extension contracture of proximal interphalangeal joint S327
 Ichinomiyanishi Hosp., Aichi, Japan Toshihiro Kanda

Oral 59 Prevention • epidemiology, Treatment outcome assessment methods

(14:00 ~ 14:40)

Chair: K. Morikawa

- 2-11-O59-1 Investigation of the time required for osteoporosis treatment intervention to impact the incidence of proximal femur fractures S328
 Dept. of Orthop. Surg., Yokohama Municipal Citizen's Hosp. / Yokohama Ekisaikai Hosp. /
 Yokohama City Univ., Yokohama, Japan Hiroshi Fujimaki
- 2-11-O59-2 Impact of COVID-19 on orthopedic trauma patients during the pandemic from 2021 to 2022: Comparison with the prepandemic period S328
 Saiseikai Shiga Hosp., Shiga, Japan Shinsuke Morisaki
- 2-11-O59-3 Patient-reported outcomes of lower limb open fractures in the elderly utilizing the database of orthopaedic trauma by the Japanese Society for Fracture Repair S329
 Sakai Medical Center, Sakai, Japan Ikko Ohno

- 2-11-O59-4 A study of pain assessment of low profile screws in TNAdvanced[®] used for
tibial shaft fracture S329
Saitama Red Cross Hosp., Saitama, Japan Shota Den
- 2-11-O59-5 A study of total hip arthroplasty after failed treatment of proximal fracture S330
Shizuoka Sekijuuji Hosp., Shizuoka, Japan Tadataka Eimoto