

Program

Day 1 June 28 (Fri)

Day1 • Room 1 (Conference Bldg. 2F “Main Hall”)

Quick Review	Systematic review committee Fracture OTAKU: Quick review of the papers in 2023	
(7:00 ~ 8:00)		Chairs: I. Ohno Y. Watanabe

1-1-QR-1 ~ 4			S33
1-1-QR-1	AI	Nagoya Univ. Graduate School of Medicine, Aichi, Japan	Yoichi Sato
1-1-QR-2	Periprosthetic fracture		
	Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan		Shuya Takahashi
1-1-QR-3	Distal tibial fracture	The Jikei Univ. Kashiwa Hosp., Chiba, Japan	Naoya Inagaki
1-1-QR-4	Pediatric forearm fracture		
	Higashi Kawaguchi Hosp., Saitama, Japan		Tomoo Nakagawa

Symposium 1	Updates on treatment of pelvic ring and acetabular fractures	
(8:30 ~ 10:00)		Chairs: T. Noda T. Suzuki

1-1-SY1-1	Initial management for unstable pelvic injury (including percutaneous screw fixation)		S41
		Teikyo Univ. Hosp., Tokyo, Japan	Takashi Suzuki
1-1-SY1-2	Operative treatment for fragile fracture of the pelvis can maintain walking ability better than conservative treatment		S42
		Okayama Medical Center, Okayama, Japan	Naofumi Shiota
1-1-SY1-3	Advances in Diagnosis and Approach of Acetabular Fractures		S43
		Saitama Medical Center, Saitama, Japan	Yasuhisa Ueda
1-1-SY1-4	Open Reduction and Internal Fixation of the Geriatric Acetabular Fracture		S44
		Aichi Medical Univ., School of Medicine, Aichi, Japan	Masahiro Yoshida
1-1-SY1-5	Total hip arthroplasty for elderly acetabular fracture patients		S45
		Dept. of Traumatology and Reconstructive Surg., Fukushima Medical Univ., / Trauma and Reconstructive Surg. Center, Aizu Chuo Hosp., Fukushima, Japan / Saiseikai Niigata Kenou Kikan Hosp., Niigata Japan	Masayuki Ito

1-1-SY1-6	Treatment update of Pelvic/Acetabular fractures -perioperative complications-	S46
	Kawasaki Medical School General Medical Center, Okayama, Japan	Tomoyuki Noda

Panel Discussion 1 Guidelines for the Treatment of Bone Metastases

(10:30 ~ 11:50)

**Chairs: H. Kawano
Y. Watanabe**

1-1-PD1-1	Significance of the Cancer Board in the treatment of bone metastasis	S63
	National Hosp. Organization Tokyo Medical Center, Tokyo, Japan	Hideo Morioka
1-1-PD1-2	Spinal Metastasis Treatment and Imaging Evaluation in Spinal Metastasis	S64
	Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hosp., Tokyo, Japan	Shurei Sugita
1-1-PD1-3	Rehabilitation for patients with bone metastasis and surgery for other musculoskeletal diseases	S65
	Saitama Medical Univ., Saitama, Japan	Yusuke Shinoda
1-1-PD1-4	Role of predictive scoring for survival of bone metastasis	S66
	Fukushima Medical Univ., Fukushima, Japan	Yoshihiro Matsumoto
1-1-PD1-5	Pros and cons of prosthetic reconstruction for long-bone metastases in the extremities	S67
	National Cancer Center Hosp., Tokyo, Japan	Shintaro Iwata

History of the Japanese Society for Fracture Repair

-Messages from the presidents of our society to the next generation-

(13:10 ~ 14:20)

**Chairs: H. Inoue
T. Noda**

1-1-SE-1	The Early Stage of The JSFR	S3
	Suto Orthop. Clinic, Kanagawa, Japan	Moritoshi Itoman
1-1-SE-2	Message from past presidents	S4
	Shin-yurigaoka General Hosp., Kanagawa, Japan	Takashi Matsushita
1-1-SE-3	Third chairman (2011-2014)	S5
	Fukushima Medical Univ., Fukushima, Japan / Shinyurigaoka General Hosp., Kanagawa, Japan	Takeshi Sawaguchi
1-1-SE-4	The Golden period of Japanese Society for Fracture Repair	S6
	Kawasaki Hosp., Fukuoka, Japan	Masahiro Shirahama
1-1-SE-5	Toward the internationalization of JSFR	S7
	NHO Okayama Medical Center, Okayama, Japan	Toru Sato

- 1-1-SE-6 Practice Evidence Based Health Care (EBHC) and increase the presence of orthopaedic trauma surgeons! S8
 Dept. of Orthop. Surg., Teikyo Univ. School of Medicine / Trauma & Reconstruction Center,
 Teikyo Univ. Hosp., Tokyo, Japan Yoshinobu Watanabe
- 1-1-SE-7 Future perspective -from JSFR to JOTA- S9
 Kawasaki Medical School General Medical Center, Okayama, Japan Tomoyuki Noda

Sponsored Symposium Treatment of fragility fractures
-From the acute stage to Geriatric Care -
 (14:30 ~ 16:00) **Chairs: Y. Watanabe**
N. Shiota

- 1-1-SSY-1 Vertebral Fragility Fracture -Treatment Practice and Diagnostic Significance- S58
 Osaka Saiseikai Nakatsu Hosp., Osaka, Japan Masatoshi Hoshino
- 1-1-SSY-2 Proximal humeral fractures S59
 Sendai Tokushukai Hosp., Miyagi, Japan Hisayoshi Inoue
- 1-1-SSY-3 Examination of the intervention rate for osteoporosis treatment and recurrence factors for secondary fractures in patients with distal radius fractures S60
 Maeda Orthop. and Surg. Clinic, Kagawa, Japan /
 Okayama Saiseikai General Hosp., Okayama, Japan Kazushige Maeda
- 1-1-SSY-4 Hip fractures are the result of a losing battle in fragility fractures How to fight from here S61
 Kitakyushu General Hosp., Fukuoka, Japan Fumio Fukuda
- 1-1-SSY-5 Current treatment of fragile fractures of the pelvic at a regional center hospital S62
 Japanese Red Cross Asahikawa Hosp., Hokkaido, Japan Masahito Tanaka

Cultural Lecture
 (16:10 ~ 17:10) **Chair: T. Aizawa**

- 1-1-CL Lateral Thinking for Discovery of Truths in Clinical Research of the Musculoskeletal System S17
 NHO Sendai Nishitaga Hosp., Miyagi, Japan Shoichi Kokubun

Day1 • Room 2 (Conference Bldg. 2F “Tachibana”)

Oral 1 Proximal humeral fractures		Chair: Y. Kusabiraki
(8:30 ~ 9:20)		
1-2-O1-1	Treatment strategies for proximal humeral fractures in the elderly age, using the allogenic bone graft for comminuted proximal humeral fractures	S178 Rakusai Shimizu Hosp., Kyoto, Japan Kunimoto Fukunishi
1-2-O1-2	Treatment strategy for proximal humeral fractures in elderly using DePuySynthes MultiLoc PHN ~ Best solution ~	S178 Higashisumiyoshi Morimoto Hosp., Osaka, Japan Hidetoshi Teraura
1-2-O1-3	Surgical fixation with smooth pegs locking plate for proximal humerus fractures	S179 Dept. of Orthop. Surg., Tokai Univ. School of Medicine, Kanagawa, Japan Takeshi Imai
1-2-O1-4	Arthroscopic Capsular release for post-proximal humeral fracture	S179 North Sendai Orthop. Clinic, Miyagi, Japan Shinjiro Miura
1-2-O1-5	Clinical evaluation of hemiarthroplasty for proximal humeral fractures	S180 Kita-Harima Medical Center, Hyogo, Japan Shogo Kurokawa
1-2-O1-6	Internal fixation with clavicular locking plate for acromial fracture after reverse shoulder arthroplasty: A report of five cases	S180 Joint Surg., Sports Clinic Ishinomaki, Miyagi, Japan Ryosuke Mashiko

Main Theme 2 ORIF for proximal humeral fractures		Chair: C. Terada
(9:30 ~ 10:40)		
1-2-MT2-1	Life prognosis of proximal humerus fracture surgery cases at our hospital	S92 Saiseikai Otaru Hosp. / Sapporo Medical Univ. Hosp., Hokkaido, Japan Tomohiro Izawa
1-2-MT2-2	Comparative assessment of fracture risk and bone mineral density in patients with proximal humerus fractures	S93 Dept. of Orthop. Surg., Yokohama Municipal Citizen's Hosp. / Yokohama Ekisaikai Hosp. / Yokohama City Univ., Kanagawa, Japan Hiroshi Fujimaki
1-2-MT2-3	The transacromial approach for proximal humerus fracture pseudarthrosis	S93 Minami Nara General Medical Center, Nara, Japan Takamitsu Mondori
1-2-MT2-4	Arthroscopically assisted intramedullary nailing for proximal humeral fracture	S94 Dept. of Orthop., Tane General Hosp., Osaka, Japan Hirokazu Nagai
1-2-MT2-5	Endosteal strut using a HA/PLLA mesh tube for the treatment of adult proximal humeral fractures	S94 The Aichi Prefectural Federation of Agricultural Cooperative for Health and Welfare Kainan Hosp., Aichi, Japan Hidetoshi Iwata

- 1-2-MT2-6 Evaluation of proximal insertion point of straight antegrade nailing for proximal and diaphyseal humeral fractures S95
Ibaraki Prefectural Central Hosp., Ibaraki, Japan Hiroyuki Araki
- 1-2-MT2-7 Using intramedullary nails for proximal humeral fractures via anterosuperior approach S95
Dept. of Orthop. Surg., Hikifune Hosp., Tokyo, Japan Koji Seike

Main Theme 4 Elbow fractures and dislocation
(10:50 ~ 11:40) **Chair: J. Imatani**

- 1-2-MT4-1 Treatment of elbow fracture-dislocations with anteromedial facet fracture of coronoid process S99
Okayama Saiseikai General Hosp., Okayama, Japan Shinji Narazaki
- 1-2-MT4-2 Treatment for dislocation of the elbow in children S100
Anjo Kousei Hosp., Aichi, Japan Makoto Suzuki
- 1-2-MT4-3 Clinical results of olecranon fracture-dislocation S100
Dept. of Orthop. Surg., Suzuka General Hosp., Mie, Japan Naoki Kokubu
- 1-2-MT4-4 A new posterior approach to adult Monteggia fractures and Transolecranon fracture dislocation S101
Shinyurigaoka General Hosp., Kanagawa, Japan Hiroshi Takamura
- 1-2-MT4-5 A treatment experience for comminuted olecranon fracture dislocations using Intraosseous Wiring as adjunctive fixation S101
Dept. of Orthop. Surg., Showa Univ. School of Medicine, Tokyo, Japan Sadaaki Tsutsui

Noontime Lecture 1
(12:00 ~ 13:00) **Chair: M. Yorimitsu**

- 1-2-NL1 A Novel Option for Geriatric Ankle Fractures -Fibular Nail S505
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan Kentaro Matsui

Main Theme 24 Proximal femoral fractures in the elderly -Clinical outcomes-
(14:30 ~ 15:40) **Chair: A. Sakurai**

- 1-2-MT24-1 Effects on gluteus medius of posterolateral fragment fixation of femoral trochanteric fractures S157
Kure Kyosai Hosp., Hiroshima, Japan Teruhiko Ando
- 1-2-MT24-2 Reconsidering the indications of CHS type implants for femoral trochanteric fractures S158
Southern TOHOKU General Hosp. Trauma and Reconstruction Center, Fukushima, Japan /
Kyoto Prefectural Univ. of Medicine, Kyoto, Japan Naoyuki Horie
- 1-2-MT24-3 Do impacted valgus femoral neck fractures need reduction? S158
Hokusetsu General Hosp., Osaka, Japan Choman Ryu

- 1-2-MT24-4 A study of responses to fracture risk factors in patients with bilateral hip fractures S159
Haga Red Cross Hosp., Tochigi, Japan Mitsuharu Nakashima
- 1-2-MT24-5 Prognostic factors for femoral neck fractures in the retrotorsion and valgus positions S159
North Alps Medical Center Azumi Hosp., Nagano, Japan Shintaro Ito
- 1-2-MT24-6 Usefulness of early total hip arthroplasty for displaced femoral neck fractures S160
Koshinkai Shiomidai Hosp., Kanagawa, Japan Kurato Jonishi
- 1-2-MT24-7 Is CLAP (Continuous Local Antibiotic Perfusion) therapy effective for infection after hip fracture surgery? S160
Nagoya Ekisaikai Hosp., Aichi, Japan Kazuki Uchibori

Main Theme 26 Proximal femoral fractures in the elderly -Mortality rate
(15:50 ~ 17:00)

Chair: S. Obara

- 1-2-MT26-1 Post operative course and mortality of hip fracture patients aged 100 and over ... S163
Konan Medical Center, Hyogo, Japan Yu Sasaki
- 1-2-MT26-2 Fracture Dominoes in the elderly -A multiplication of weight and nutrition reveals that weight and nutrition are associated with vertebral and proximal femur fractures S163
Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 1-2-MT26-3 Low serum albumin may concern with the post operative prognosis in the proximal femur fracture patients S164
Saiseikai Niigata Kenoh Kikan Hosp., Niigata, Japan Daisuke Sugita
- 1-2-MT26-4 Preoperative BNP in patients with proximal femoral fractures is associated with the risk of postoperative heart failure S164
Kishiwada Tokushukai Hosp., Osaka, Japan Wataru Shirasaka
- 1-2-MT26-5 Orthogeriatric co-management in collaboration with general medicine can allow early and safe surgery for hip fracture with severe AS S165
Akashi Medical Center, Hyogo, Japan Takahiro Waki
- 1-2-MT26-6 10-year survival rate of patients after femoral transverse fracture surgery S165
Tachibana Hosp., Miyazaki, Japan Yugo Kashiwagi
- 1-2-MT26-7 Mortality and functional outcomes of geriatric hip fracture one year after the injury S166
Sanda City Hosp., Hyogo, Japan Takashi Iwakura

Debate 1 Osteosynthesis for trochanteric fractures of the Femur
-Short femoral nail versus sliding hip screw

(17:20 ~ 18:20)

Chairs: K. Matsui
T. Inui

- 1-2-D1-1 Every type of trochanter fractures of the femur should be fixed with intramedullary nail !?
-Do you use short femoral nail even for the A1 type?- S86
Shin-yurigaoka General Hosp., Kanagawa, Japan Takashi Matsushita
Kaisei Hosp., Kagawa, Japan Kiyoto Kinugasa
- 1-2-D1-2 Is nail fixation reasonable for all femoral trochanteric fractures!?
Do we use nails for 31A1? Yes we do. S87
Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Atsuhiko Mogami
Fukuoka Orthop. Hosp., Fukuoka, Japan Masami Tokunaga

Day1 • Room 3 (Conference Bldg. 2F “Hagi”)

Lecture from Korean Fracture Society President

(8:30 ~ 9:00)

Chair: T. Miyamoto

- 1-3-KP Novel Classification for Periprosthetic Distal Femoral Fractures Based on Locked-Plate Fixation Following Total Knee Arthroplasty..... S493
 Dept. of Orthop. Surg., Kyung Hee Univ. Hosp., Gangdong, Seoul, Korea Kang-II Kim

Problem cases discussions -Presented by Japanese and Korean Young Surgeons-

(9:10 ~ 10:40)

Chairs: N. Saka

K. Udagawa

J.-K. Oh

- 1-3-PC-1 ~ 4 S502
- 1-3-PC-1 Dept. of Emergency and Critical Care Medicine, Nara Medical Univ.,
 Nara, Japan Hironobu Konishi
- 1-3-PC-2 Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan Ken Kawabata
- 1-3-PC-3 Graduate School of Medicine, Hanyang Univ., Seoul, Korea Incheol Kook
- 1-3-PC-4 Dept. of Orthop. Surg., Korea Univ. Guro Hosp., Seoul, Korea Wonseok Choi

Invited Lecture 1

(10:50 ~ 11:50)

Chair: T. Noda

- 1-3-IL1-1 Pelvic and acetabular fracture surgery through a single incision Stoppa technique
 -The general surgical perspective- S10
 Trauma Unit, Dept. of Surgery, NorthWest Clinics,
 Alkmaar, The Netherlands Kees Jan Ponsen
- 1-3-IL1-2 Open Tibial Shaft Fractures: Treatment Patterns in Latin America S11
 Orthop. and Traumatology, Royal San José Hosp., Mexico Luis Padilla Rojas

Noontime Lecture 2

(12:00 ~ 13:00)

Chair: N. Shiota

- 1-3-NL2 Early surgery for femoral neck fractures, SHS long plates and secondary fracture prevention are unmatched! S506
 Dept. of Orthop. Surg., Nishinomiya Neurosurgical Hosp.,
 Hyogo, Japan Naohide Takigawa

AO Trauma Seminar

(14:30 ~ 15:30)

Chair: H. Minehara

- 1-3-AO1-1 360° approach around the distal femur..... S486
 Dept. of Orthop. Surg., Faculty of Medicine, Chiang Mai Univ., Thailand
 Theerachai Apivatthakakul
- 1-3-AO1-2 The creation and cultivation of a digital landscape for the AO:
 shokunin, tsubo niwa and the art in research, education and innovation
 in clinical practice..... S487
 Consultant Orthop. Surg., The Princess Grace Hosp., London, UK Simon Lambart

Invited Lecture 2

(15:40 ~ 16:40)

Chair: K. Udagawa

- 1-3-IL2 The Role of Infectious Disease Doctors in the Management of
 Fracture-Related Infections S15
 Princess Alexandra Hospital, Brisbane Burcu Isler

Evening Seminar 1

(17:20 ~ 18:20)

Chair: T. Ozaki

- 1-3-EVS1 How far can Megaprosthesis be applied?
 -Expansion of indications from pathological fractures to trauma..... S530
 Dept. of Musculoskeletal Traumatology, Faculty of Medicine Dentistry and Pharmaceutical
 Sciences, Okayama Univ., Okayama, Japan Masanori Yorimitsu

Day1 · Room 4 (Conference Bldg. 2F “Sakura 1”)

Main Theme 5 Fractures of the distal radius and ulna, Clinical results

(8:30 ~ 9:30)

Chair: H. Sakano

- 1-4-MT5-1 Palmar locking plate fixation of intra-articular Smith's fractures: Importance of distal ulnar placement S102
Kagawa Univ., Kagawa, Japan Konosuke Yamaguchi
- 1-4-MT5-2 Clinical outcome of the conservative treatment of Distal Radius Fractures with the cast immobilization with the wrist dorsiflexed S102
Dept. of Orthop., School of Medicine, Jichi Medical Univ., Tochigi, Japan Jiro Ando
- 1-4-MT5-3 Investigation of barrier factors for early return to society after distal radius fracture surgery S103
Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan Kenjiro Kawamura
- 1-4-MT5-4 Correlation between height of plate setting and acquired palmar tilt S103
Niigata Hand Surgery Foundation, Niigata, Japan Koji Moriya
- 1-4-MT5-5 Reconstruction of the volar cortex is effective in reducing the articular surface of distal radius fractures S104
Shonan Kamakura General Hosp., Kanagawa, Japan Takashi Ogawa
- 1-4-MT5-6 Comparison of conservative treatment versus plate fixation for distal ulna fractures associated with distal radius fractures in the elderly S104
Shin-yurigaoka General Hosp., Kanagawa, Japan Ryutaro Shibata

Main Theme 6 Distal radius fractures, VLF

(9:40 ~ 10:40)

Chair: K. Morita

- 1-4-MT6-1 Risk management of postoperative displacement of volar-displaced distal radius fractures: Advantages of using distal volar locking plate S105
Dept. of Orthop., Juntendo Univ. Faculty of Medicine /
Ouji Hosp., Tokyo, Japan Hiroyuki Obata
- 1-4-MT6-2 The characteristics of the volar lunate facet fragment in mechanism of injury of distal radius fractures S105
Tokushima Municipal Hosp., Tokushima, Japan Ryosuke Sato
- 1-4-MT6-3 The research of the volar displaced distal radius fractures with radial styloid fragment S106
Kousei General Hosp., Hiroshima, Japan Kyohei Chiba
- 1-4-MT6-4 Treatment for Distal Radius Fractures with Volar Lunate Facet Fragments less than 10 mm using Stellar P, D S106
Saiseikai Shiga Hosp., Shiga, Japan Kaname Ohashi
- 1-4-MT6-5 Evaluation of plate placement and screw insertion position for distal radius fractures with VSF fragments S107
Ehime Prefectural Central Hosp., Ehime, Japan Kei Morizane

- 1-4-MT6-6 Three-dimensional morphometric analysis on palmar cortical shape of the lunate fossa of the distal radius S107
 Tsukuba Medical Center Hosp., Ibaraki, Japan Yusuke Eda

Main Theme 7 Distal radius fractures, Complications

(10:50 ~ 11:50)

Chair: Y. Abe

- 1-4-MT7-1 Factors that cause tendon rupture after distal radius fracture surgery S108
 Hikone Municipal Hosp., Shiga, Japan Takaaki Sugiyama
- 1-4-MT7-2 Intraosseous wiring for the prevention of V-Shaped articular surface deformity in volar displaced distal radius intra-articular fractures S108
 Tokyo Metropolitan Bokutoh Hosp., Tokyo, Japan Yoshiyuki Matsuyama
- 1-4-MT7-3 Open wedge osteotomy using condylar stabilizing technique for malunited distal radius fractures S109
 Ogikubo Hosp., Tokyo, Japan Masao Nishiwaki
- 1-4-MT7-4 Three cases of acute compartment syndrome of the forearm after pediatric upper extremity trauma S109
 Niigata City General Hosp., Niigata, Japan Keisuke Ishizaka
- 1-4-MT7-5 Two cases of plate failure after distal radius fracture surgery requiring revision surgery S110
 Hiroshima Ciy Hiroshima Citizens Hosp., Hiroshima, Japan Shungo Sasamine
- 1-4-MT7-6 Treatment results for Peri-implant fractures after volar locking plate fixation for distal radius fractures S110
 Showa Univ. Northern Yokohama Hosp., Kanagawa, Japan Ryosuke Matsuki

Noontime Lecture 3

(12:00 ~ 13:00)

Chair: T. Baba

- 1-4-NL3 Choice of BHA-approach is critical S507
 Osaka City General Hosp., Osaka, Japan Yosuke Nagai

Oral 2 Infection, CLAP

(14:30 ~ 14:55)

Chair: A. Maruo

- 1-4-O2-1 Prognostic factors influencing the occurrence of drug-induced renal dysfunction during continuous local perfusion therapy S181
 Nagoya Ekisaikai Hosp., Aichi, Japan Yuki Fujihara
- 1-4-O2-2 Does treatment of fracture-related infection with continuous local antimicrobial perfusion allow preservation of internal fixation material?
 -A study of clinical time of onset of infection- S181
 Aidu Traumatology and Reconstruction Surg. Center, Aidu Chuo Hosp. /
 Fukushima Medical Univ., Trauma and Reconstructive Center, Fukushima, Japan Satoshi Hatashita

- 1-4-02-3 The usefulness of continuous local antibiotic perfusion therapy based on its bactericidal effect in eradicating bacteria S182
Hiroshima Univ. Hosp., Hiroshima, Japan Rikuo Shinomiya

Oral 3 Open fractures
(15:20 ~ 16:10)

Chair: A. Kogure

- 1-4-03-1 Outcome of severe extremity trauma treated with the fix followed by flap strategy S182
Yonemori Hosp., Trauma Reconstruction Center, Kagoshima, Japan Tatsuhiko Muraoka
- 1-4-03-2 The treatment of Gustilo type IIIB open fractures of the lower extremity in over 80 years S183
Dept. of Orthop. Surg., Fukushima Medical Univ. /
Dept. of Traumatology, Fukushima Medical Univ., Fukushima, Japan Shunsuke Sato
- 1-4-03-3 Outcome of treatment of Gustilo type 3 open fractures of the lower extremity at our hospital S183
Saga-ken Medical Centre Koseikan, Saga, Japan Ko Sakai
- 1-4-03-4 Clinical results of perforator-based propeller flap for soft tissue reconstruction in lower leg trauma S184
Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.,
Hokkaido, Japan Makoto Motomiya
- 1-4-03-5 Keystone flap in soft tissue defects of the lower extremity associated with fracture S184
Dept. of Emergency and Critical Care Medicine, Saitama Medical Univ.,
Saitama, Japan Katsuki Ota
- 1-4-03-6 Treatment experience based on orthoplastic approach in 22 cases of severe open fractures of the upper extremity S185
Kameda Medical Center, Chiba, Japan Hayato Kuno

Oral 4 Pelvic ring fracture
(16:20 ~ 17:00)

Chair: N. Takahira

- 1-4-04-1 Removal rate of percutaneous screws for the pelvic ring fractures in young adults S185
Fukuyama City Hosp., Hiroshima, Japan Tadahiro Hori
- 1-4-04-2 Insertion technique and accuracy for IS and TITS using C-arm fluoroscopy S186
Tokyo Metropolitan Bokutoh Hosp., Tokyo, Japan Yoshiyuki Matsuyama
- 1-4-04-3 Lateral compression pelvic ring fracture using Beckmann score: Indications for surgery, treatment outcome of LC I S186
Saiseikai Utsunomiya Hosp., Tochigi, Japan Tomoki Kasahara

- 1-4-O4-4 The characteristics of fragility fracture of the pelvis complicated
with hemorrhagic shock or acute anemia in elderly patients..... S187
Saga-ken Medical Centre Koseikan, Saga, Japan Nobuaki Tsukamoto
- 1-4-O4-5 Experience with percutaneous screw insertion using the O-arm Navigation
for fragile pelvic fractures S187
Seirei Sakura Citizen Hosp., Chiba, Japan Masaya Mizutani

Day1 · Room 5 (Conference Bldg. 2F “Sakura 2”)

Main Theme 1 Clavicle fractures		Chair: M. Uchino
(8:30 ~ 9:20)		
1-5-MT1-1	Effects of clavicle shaft fracture and early open reduction internal fixation on respiratory function	S90
	Ohta Nishinouti Hosp., Fukushima, Japan	Kiichiro Nozaki
1-5-MT1-2	Surgical treatment for unstable fractures of the distal clavicle	S90
	Dept. of Orthop. Surg., Kitasato Univ. School of Medicine / Dept. of Emergency, Kitasato Univ. School of Medicine, Kanagawa, Japan	Terumasa Matsuura
1-5-MT1-3	Clinical characteristics of medial clavicle fractures	S91
	Tokyo Metropolitan Hiroo Hosp. Emergency and Critical Care Medicine, Tokyo, Japan	Shoichiro Hamada
1-5-MT1-4	Risk factors for acromioclavicular joint dislocation after distal clavicle fracture surgery	S91
	Chugoku Rosai Hosp., Hiroshima, Japan	Yoshihiro Nakamura
1-5-MT1-5	ZipTight for distal clavicle fractures. Guide allows safe insertion	S92
	Dept. of Orthop. Surg., Showa Univ. Northern Yokohama Hosp., Kanagawa, Japan	Masaya Yamaguchi

Main Theme 19 Periprosthetic fractures -THA-		Chair: A. Kanda
(9:30 ~ 10:20)		
1-5-MT19-1	Investigation of the effect of stem geometry on cementless periprosthetic fractures for femoral neck fracture	S144
	Univ. of Fukui Hosp., Fukui, Japan	Makoto Kitade
1-5-MT19-2	Results of treatment for nonunion of peri-prosthetic fracture	S144
	Hyogo Prefectural Nishinomiya Hosp., Hyogo, Japan	Takahiro Niikura
1-5-MT19-3	Experience of treating periprosthetic femoral implant fractures	S145
	Shuutou General Hosp., Yamaguchi, Japan	Kenji Hirata
1-5-MT19-4	Evaluation of stem laxity by intra-operative stem stability test for periprosthetic femoral fracture	S145
	Dept. of Orthop. Surg., Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan	Hiroaki Inoue
1-5-MT19-5	An experimental in vitro study of periprosthetic femoral fractures using Porotic Bone Model: A comparative analysis between CMK and Exeter stem	S146
	Aichi Medical Univ. Hosp., Aichi, Japan	Kohei Hashimoto

Main Theme 20 Periprosthetic fractures-TKA & Others-
(10:30 ~ 11:20)

Chair: M. Tokunaga

- 1-5-MT20-1 Evaluation of therapeutic strategy for femoral non-prosthetic peri-implant fractures S146
Kochi Health Sciences Center, Kochi, Japan Tetsuya Yamamoto
- 1-5-MT20-2 Five cases with insufficiency periprosthetic fractures of the femoral condyle early after total knee arthroplasty S147
Fukuoka Orthop. Hosp., Fukuoka, Japan Kohei Ishihara
- 1-5-MT20-3 Treatment experience using retrograde intramedullary nails for periprosthetic fractures above total knee arthroplasty S147
Saiseikai Senri Hosp., Osaka, Japan Takuya Kawabata
- 1-5-MT20-4 Two cases of periprosthetic femoral implant fractures of Unified Classification System (UCS) type D treated with osteosynthesis S148
Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ., Hokkaido, Japan Kosuke Arita

Noontime Lecture 4
(12:00 ~ 13:00)

Chair: Y. Watanabe

- 1-5-NL4 Expanding the Scope of NPWT in Wound Care: Managing Acute Trauma to Osteomyelitis S508
Teikyo Univ. School of Medicine, Orthop. Surg. Dep., Tokyo, Japan Gen Sasaki

Educational Lectures 1
(14:30 ~ 15:30)

Chair: Y. Kobayashi

- 1-5-EL1-1 Surgical strategy for 4part proximal humeral fracture S18
Yokohama Municipal Citizen's Hosp., Kanagawa, Japan Akihiro Nakazawa
- 1-5-EL1-2 Reverse Total Shoulder Arthroplasty for Proximal Humeral Fractures in Elderly Patients S19
Iwaki City Medical Center, Fukushima, Japan Toshitake Aizawa

Educational Lectures 2
(15:40 ~ 16:40)

Chair: S. Iwabu

- 1-5-EL2-1 35 years of dealing with distal radius fractures S20
Hiratsuka Kyosai Hosp., Kanagawa, Japan Hiroaki Sakano
- 1-5-EL2-2 Treatment strategy of scaphoid fracture S21
Kanazawa Medical Center, Ishikawa, Japan Kazuo Ikeda

1-5-EVS2 Pathophysiology and treatment strategies for secondary osteoporosis S531

Dept. of Orthop. Surg. Tohoku Univ. Graduate School of Medicine,

Sendai, Japan Yu Mori

Day1 • Room 6 (Conference Bldg. 3F “Shirakashi 1”)

Oral 5 Proximal femoral fractures 1		Chair: Y. Kinami
(8:30 ~ 9:05)		
1-6-05-1	The outcomes of nonoperative cases of hip fractures S188 Showa General Hosp., Tokyo, Japan / Shinyurigaoka General Hosp., Kawasaki, Japan Shota Nakagawa	
1-6-05-2	Is reduction of undisplaced femoral neck fracture necessary? S188 Asahikawa Red Cross Hosp., Hokkaido, Japan Yuki Kamo	
1-6-05-3	Clinical results between middle nail and long nail for femoral trochanteric fractures S189 Hirosaki Univ. Hosp., Aomori, Japan Masakazu Kogawa	
1-6-05-4	Utilization of soft tissue CT in the diagnosis of occult femoral trochanteric fracture S189 Higashisumiyoshi Morimoto Hosp., Osaka, Japan Kei Taniura	
Oral 6 Proximal femoral fractures 2		Chair: T. Hiranaka
(9:20 ~ 10:00)		
1-6-06-1	Investigation into preoperation waiting period and complications of the proximal femoral fracture in our hospital S190 Oita-San-ai Medical Center, Oita, Japan Naotoshi Ninomiya	
1-6-06-2	Factors contributing to the occurrence of femoral neck fractures and trochanteric fractures S190 Tamashima Central Hosp., Okayama, Japan Yohei Kagawa	
1-6-06-3	Treatment results of osteosynthesis for femoral neck fractures and study of LSC cases S191 Izumi City General Hosp., Osaka, Japan Takuya Tachibana	
1-6-06-4	Treatment results of revision surgery using Delta-LOCK stem for periprosthetic femoral fracture in elderly patients S191 Akashi City Hosp., Hyogo, Japan Takaaki Matsui	
1-6-06-5	Removal of Hansson Pinloc System is helpful S192 Asahikawa Red Cross Hosp., Hokkaido, Japan Yuki Kamo	
Oral 7 Proximal femoral fractures 3		Chair: N. Takada
(10:10 ~ 11:00)		
1-6-07-1	Shape of femoral marrow cavity is correlated with femoral bone density S192 Tamegashima Medical Center, Kagoshima, Japan Takashi Setoyama	

1-6-07-2	T-score discordance of bone mineral density between femoral neck fracture and trochanteric fracture	S193
	Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan	Tomohiro Date
1-6-07-3	Can D-dimer measurement predict deep venous thrombosis in patients with proximal femur fracture?	S193
	Kumamoto Chuo Hosp., Kumamoto, Japan	Yosuke Kawatani
1-6-07-4	Efficacy of aromatherapy for postoperative delirium in proximal femoral fracture patients	S194
	Dept. of Orthop. Surg., Iga City General Hosp., Mie, Japan	Kouji Kita
1-6-07-5	Effect of low concentration dexamethasone added fascia iliaca compartment block for post operative pain management proximal femur fracture	S194
	Suzuka General Hosp., Suzuka, Japan	Koyo Ohara
1-6-07-6	Risk factors for non-union in femoral neck fractures patients with internal fixation: A multicenter(TRON Group) retrospective study	S195
	Chubu Rosai Hosp., Aichi, Japan	Shingo Kurahashi

Oral 8 External fixation
(11:10 ~ 11:50)

Chair: N. Takenaka

1-6-08-1	Study of three methods for temporary external fixation of the ankle joint	S195
	Dept. of Orthop. Surg., Tokai Univ. Hachioji Hosp., Tokyo, Japan	Yuka Kobayashi
1-6-08-2	Thromboprophylaxis with edoxaban in patients undergoing external fixation for fractures of the lower extremity	S196
	Tosei General Hosp., Aichi, Japan	Yuka Ishiyama
1-6-08-3	Examination of the acute shortening distraction method performed at our hospital	S196
	Dept. of Orthop., Surg., Showa Univ. Fujigaoka Hosp., Kanagawa, Japan	Yuto Murakami
1-6-08-4	Ingenuity for minimally invasive internal fixation using intraoperative external fixation	S197
	Saitama Medical Center, Kawagoe, Japan	Tsubasa Takahashi
1-6-08-5	Whether the number of surgeries and fracture types changed as a result of the change in Japanese medical services for temporary external fixation fracture treatment	S197
	Hyogo Emergency Medical Center, Kobe, Japan	Keitaro Tada

Noontime Lecture 5
(12:00 ~ 13:00)

Chair: E. Itoi

1-6-NL5	Treatment Strategy for Osteoporotic Vertebral Fractures -Introduction of a Regional Cooperative Clinical Path in Kure City, Hiroshima Prefecture-	S509
	Chugoku Rosai Hosp., Hiroshima, Japan	Takahiko Hamasaki

English Session 1 Pelvis and Acetabular

(14:30 ~ 15:30)

Chairs: K. J. Ponsen**M. Yorimitsu**

- 1-6-ES1-1 Simultaneous ventral and dorsal approach in treating acetabular fracture involving both columns with displaced posterior wall S331
Chang Gung Memorial Hosp., Linkou Main Branch, Taiwan Yi-Hsun Yu
- 1-6-ES1-2 Factors of irreducible traumatic hip dislocation S331
Juntendo Shizuoka Hosp., Shizuoka, Japan Tomoko Wakejima
- 1-6-ES1-3 Novel implant for treatment of posterior acetabular wall and column fractures S332
Show Chwan Memorial Hosp., Taiwan Chang-Han Chuang
- 1-6-ES1-4 Surgical outcomes of acetabular fracture of elderly patients with superomedial dome impaction S332
Asan Medical Center, Univ. of Ulsan College of Medicine, Korea Ji Wan Kim
- 1-6-ES1-5 Incidence of deep vein thrombosis and pulmonary thromboembolism in patients with pelvic ring acetabular fracture. Did COVID-19 have an impact? S333
Yamagata Prefectural Central Hosp., Yamagata, Japan Nobuhito Nemoto
- 1-6-ES1-6 Residual Pelvic Deformity May Cause Higher Rate of Caesarean Section in Pregnant Women Following Prior Pelvic Ring Injuries S333
Chang Gung Memorial Hosp., Taiwan Chih-Yang Lai

English Session 2 Lower extremity 1

(15:45 ~ 16:45)

Chairs: L. P. Rojas**E. Shoda**

- 1-6-ES2-1 Fracture type of basal neck fractures associated with femoral reverse oblique fractures S334
Kurume Univ. Hosp. / Saiseikai Futsukaichi Hosp., Fukuoka, Japan Toru Matsugaki
- 1-6-ES2-2 Failure after intramedullary nailing for geriatric trochanteric fractures: does quality of fracture reduction on the AP and lateral planes show the same results? ... S334
CHA Bundang Medical Center, CHA Univ., Korea Seong-Eun Byun
- 1-6-ES2-3 Total hip arthroplasty for femoral neck fractures in the elderly S335
Sapporo Higashi Tokushukai Hosp. / Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ., Sapporo, Japan Yoshio Nishida
- 1-6-ES2-4 Safety and outcome of immediate weight bearing after hip fracture fixation S335
Far Eastern Memorial Hosp., New Taipei City, Taiwan Chiang Sang (Vincent) Chen
- 1-6-ES2-5 Tension band fixation for patellar fractures: A study of failure factors S336
Yamanashi Prefectural Central Hosp., Yamanashi, Japan Hiroaki Iwase
- 1-6-ES2-6 Complex tibial plateau fractures: Highlighting pitfalls and offering tips S336
Hanyang Univ. Guri Hosp., Korea Ki Chul Park

- 1-6-ES3-1 Developing a registry for trauma patients:
A prospective cohort study (TARGET) S337
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine /
Trauma & Reconstruction Center, Teikyo Univ. Hosp. /
Teikyo Academic Research Center, Tokyo, Japan Takahiro Inui
- 1-6-ES3-2 Is it possible to maintain the early internal fixation with CLAP for high infection
risk group of open fractures S337
Hyogo Prefectural Harima-Himeji General Medical Center,
Himeji, Japan Toshiki Kitamura
- 1-6-ES3-3 Differences in Pilon Fractures According to Ipsilateral Fibular Injury Patterns:
A Clinical Computed Tomography-Based Mapping Study S338
Chosun Univ. Gwangju, Korea Jun-Young Lee
- 1-6-ES3-4 Use of primary external fixator in Japan: Study using NDB open data S338
Teikyo Univ. School of Medicine, Tokyo, Japan Natsumi Saka
- 1-6-ES3-5 Three-column subdivision for isolated posterolateral tibial plateau fractures and
perspective surgical approaches S339
Gachon Univ. College of Medicine, Incheon, Korea Jae Ang Sim
- 1-6-ES3-6 Finite element analysis of swing motion difference between intramedullary nail
fixation modes S339
The Aichi Prefectural Federation of Agricultural Cooperative for
Health and Welfare Kainan Hosp., Yatomi, Japan Hidetoshi Iwata

Day1 • Room 7 (Conference Bldg. 3F “Shirakashi 2”)

Oral 9 Ankle fractures 1 (8:30 ~ 9:20)		Chair: Y. Nishii
1-7-O9-1	Frequency of distal tibiofibular separation in cases of ankle malleolar fracture surgery without syndesmosis repair	S198 Seirei Hamamatsu Hosp., Hamamatsu, Japan Masanori Taki
1-7-O9-2	2 type of malleolar fracture caused by hyper-plantar flexion	S198 Niigata Rinko Hosp., Niigata, Japan Akira Sato
1-7-O9-3	Strategy of treatment for ankle malleolar fracture Weber type C -About fibular reduction and tibiofibular fixation-	S199 Chikamori Hosp., Kochi, Japan Yukinobu Nishii
1-7-O9-4	Two cases of Checkrein Deformity occurring after ankle fracture	S199 Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Takahiro Morikawa
1-7-O9-5	Localization of open wounds in ankle open fractures based on fracture type ...	S200 St. Marianna Univ. of Medicine, Kanagawa, Japan Yoshimichi Onose
1-7-O9-6	Initial fixability of low-level fracture line in type B ankle fracture by anti-glide plating	S200 Tokyo Metropolitan Tama Medical Center, Tokyo, Japan Ryota Ide

Oral 10 Ankle fractures 2 (9:30 ~ 10:10)		Chair: S. Sato
1-7-O10-1	Devices in insertion of suture button for syndesmosis injuries by development of a new guide	S201 Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan Shinya Adachi
1-7-O10-2	Intramedurally fibular fixation for ankle fracture with worried about wound complication	S201 The Dept. of Emergency and Intensive Care, Univ. of Occupational Environmental Health Japan, Fukuoka, Japan Naohito Sato
1-7-O10-3	Assessment of treatment of internal brace for Maisonneuve fracture using Self-Administered Foot Evaluation Questionnaire	S202 Hiraka General Hosp., Akita, Japan Shuichi Chida
1-7-O10-4	Two cases report: Posterior arthroscopic assisted plate fixation for displaced posterior malleolar fracture of the ankle	S202 East Maebashi Orthop. Hosp., Maebashi, Japan Naohiro Hio
1-7-O10-5	A study of internal fixation for posterior malleolar fracture of the ankle	S203 Tokyo Medical Univ., Tokyo, Japan Takanori Hatanaka

Day 1
Room 6

Day 1
Room 7

Oral 11 Fractures and dislocation of the talus

(10:20 ~ 11:00)

Chair: T. Doi

- 1-7-O11-1 Treatment for subtalar joint dislocation; A report of 3 cases S203
Saitama Medical Univ. International Medical Center, Saitama, Japan Shintaro Kato
- 1-7-O11-2 Three cases of subtalar joint dislocation treated with ligament repair S204
Dept. of Orthop. Surg., Surgical Science, Tokai Univ. School of Medicine,
Kanagawa, Japan Yasuyuki Sogo
- 1-7-O11-3 Treatment of talus neck fracture S204
Trauma Reconstruction Center, Yonemori Hosp., Kagoshima, Japan Yoshinori Ueno
- 1-7-O11-4 Ligament repair and early range of motion exercise for medial subtalar dislocation:
A report of two cases S205
Dept. of Orthop. Surg., Suzuka General Hosp., Mie, Japan Nobuto Nagao
- 1-7-O11-5 Staged operation for dislocation fracture of the talus S205
Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Kana Fujimoto

Oral 12 Lisfranc fracture & dislocation

(11:10 ~ 11:50)

Chair: S. Isefuku

- 1-7-O12-1 Outcome after surgical treatment for Lisfranc injuries S206
Kita-Harima Medical Center, Hyogo, Japan Sumire Yamaguchi
- 1-7-O12-2 Results of surgical treatment of 17 dislocated fractures of Lisfranc's joint S206
Suita Municipal Hosp., Osaka, Japan Takuya Koyama
- 1-7-O12-3 Short term outcomes of surgical treatments of Lisfranc fracture dislocation
with locking plate and screw S207
Dept. of Orthop. Surg., Hokkaido Univ. Graduate School of Medicine,
Sapporo, Japan Kyosuke Numaguchi
- 1-7-O12-4 Usefulness of the 1st-2nd intermetatarsal screw in combination with plate
fixation for Lisfranc's joint injury S207
Dept. of Foot & Ankle Surg., Seirei Hamamatsu General Hosp.,
Shizuoka, Japan Kazunari Oshima
- 1-7-O12-5 High-energy Lisfranc joint fracture-dislocation fixed with DynaNite S208
Tohoku Univ. Hosp., Sendai, Japan Tatsuya Ikeda

Oral 13 Periprosthetic fractures

(14:30 ~ 15:10)

Chair: Y. Anraku

- 1-7-O13-1 Stem revision for periprosthetic femoral fracture in elderly patients over 85 years
of age S208
Tokyo Women's Medical Univ., Tokyo, Japan Yutaro Munakata

- 1-7-O13-2 The problem when replacing the head element of the femoral neck with TFNA cement S209
 Fukuyama City Hosp., Hiroshima, Japan Yukimasa Okada
- 1-7-O13-3 Treatments of the revision osteosynthesis for the periprosthetic femoral fractures S209
 Orthop. Kitasato Univ., Kagawa, Japan Tadashi Kawamura
- 1-7-O13-4 Relationship between the risk of periprosthetic hip fracture and the medullary canal shape after the fragility hip fracture S210
 Kagawa Prefectural Central Hosp., Kagawa, Japan Tsubasa Hasegawa
- 1-7-O13-5 Two cases of periprosthetic atypical femoral fracture operated by double plate S210
 Sano Memorial Hosp., Osaka, Japan Suguru Nakamura

Oral 14 Interprofessional Work 1
 (15:20 ~ 16:00)

Chair: K. Shigemoto

- 1-7-O14-1 Effect of osteoporosis treatment before and after osteoporosis liaison service intervention for proximal femur fractures S211
 Harasanshin Hosp., Fukuoka, Japan Naohide Takeuchi
- 1-7-O14-2 Effect of inter hospital and regional alliance liaison service for prevention of subsequent fragility hip fractures S211
 Kouseiren Takaoka Hosp., Toyama, Japan Daigo Sakagoshi
- 1-7-O14-3 The current status and challenges of FLS activities at our institution S212
 Komaki City Hosp., Aichi, Japan Kyoka Kawamura
- 1-7-O14-4 Consideration of secondary fractures prevention ongoing management fee calculation and used drugs S212
 Kasugai Municipal Hosp., Aichi, Japan Hiroyuki Suzuki
- 1-7-O14-5 The current situation and issues for secondary femoral proximal fracture prevention follow-up charge at our hospital S213
 Kanmon Medical Hosp., Yamaguchi, Japan Ryutaro Kuriyama

Oral 15 Interprofessional Work 2
 (16:10 ~ 16:50)

Chair: M. Takaesu

- 1-7-O15-1 Effects of introducing a fracture liaison service on proximal femur fractures; Retrospective comparative study before and after introduction S213
 Kawasaki Medical School Dept. of Orthop. Surg. and Sport Medicine,
 Okayama, Japan Kazuto Hirai
- 1-7-O15-2 Current status of osteoporosis treatment in patients with distal radius fractures treated with plate osteosynthesis in hospitals without fracture liaison service ... S214
 Keijinkai Shiroyama Hosp., Gunma, Japan / Showa Univ., Tokyo, Japan Sang Yang Lee

1-7-O15-3	Challenges in achieving early surgical intervention for proximal femur fractures.....	S214
	Japanese Red Cross Kobe Hosp., Kobe, Japan	Takao Ohmori
1-7-O15-4	Team building to enable early surgery for proximal femur fractures	S215
	National Hosp. Organization Nagasaki Medical Center, Nagasaki, Japan	Keisuke Mori
1-7-O15-5	Effect of waiting time for surgery for hip fracture on postoperative walking ability	S215
	Nishinomiya Kyoritu Neurosurgical Hosp., Hyogo, Japan	Takashi Taniuchi

Day1 • Room 8 (Exhibition Bldg. 1F “Room 4”)

Main Theme 14 Image evaluation • Three-dimensional analysis, Diagnosis

(8:30 ~ 9:30)

Chair: H. Minehara

- 1-8-MT14-1 CT is not always necessary for femoral trochanteric fractures in elderly patients ... S129
National Hosp. Organization Nagasaki Medical Center, Nagasaki, Japan Junya Mukai
- 1-8-MT14-2 Classification of femoral intertrochanteric fractures using artificial intelligence ... S129
Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan Kensuke Yoshida
- 1-8-MT14-3 Construction of algorithm for fracture detection using super-resolution imaging ... S130
Himeji Central Hosp., Hyogo, Japan Mitsuaki Noda
- 1-8-MT14-4 Preoperative Ultrasound Examination to prevent neurovascular injuries S130
Niigata Central Hosp., Niigata, Japan /
Tsuruoka Municipal Shonai Hosp., Yamagata, Japan Kazuya Yamada
- 1-8-MT14-5 Development of 2D-3D registration technology based on coordinate regression of
X-ray images S131
Tokyo Medical Univ. Ibaraki Medical Center, Ibaraki, Japan Yuichi Yoshii
- 1-8-MT14-6 Immediate effect of the educational workshop on the three-dimensional kinematics
of ankle manual anterior drawer test S131
Dept. of Orthop. Surg., Graduate School of Medical and Pharmaceutical Sciences,
Chiba Univ., Chiba, Japan Hirofumi Nakajima

Main Theme 15 Image evaluation • Three-dimensional analysis 1

(9:40 ~ 10:40)

Chair: T. Kurozumi

- 1-8-MT15-1 Visualization of quadriceps femoris injuries associated with open femoral
fracture using image analysis workstation S132
Kainan Hosp., Aichi, Japan Riko Takada
- 1-8-MT15-2 Comparison of hip morphological features between femoral neck fractures
and femoral trochanteric fractures S132
Hokkaido Univ. Hosp., Hokkaido, Japan Yuki Ogawa
- 1-8-MT15-3 Biomechanical study of screw and fixed angle device in treatment of
non-displaced femoral neck fractures using finite element analysis
-Appropriate implant selection for each Pauwels angle- S133
Graduate School of Medicine, Univ. of the Ryukyus, Okinawa, Japan Sakura Kuniyoshi
- 1-8-MT15-4 Outcome of intramedullary nail treatment for tibial diaphyseal fractures and
techniques for rotational restoration S133
Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Jin Ikenaga
- 1-8-MT15-5 Postoperative alignment differences based on insertion techniques of
intramedullary nailing for tibial shaft fractures S134
Sakai City Medical Center, Osaka, Japan Atsuki Ohno

Day 1
Room 7

Day 1
Room 8

- 1-8-MT15-6 The relationship between the standard sagittal starting point of tibia intramedullary nails and the tibial axis: A computed tomography-based analysis..... S134
 Oita Univ. Hosp., Oita, Japan Taro Ishida

Main Theme 16 Image evaluation • Three-dimensional analysis 2
 (10:50 ~ 11:40)

Chair: N. Kanda

- 1-8-MT16-1 A multicenter study of femoral malrotation after antegrade intramedullary nailing of subtrochanteric femoral fractures S135
 Okayama Univ. Hosp., Okayama, Japan Ryuichiro Okuda
- 1-8-MT16-2 The choice of long nail suitable for Japanese elderly people S135
 Kagawa Rosai Hosp., Kagawa, Japan Tomoki Uzu
- 1-8-MT16-3 Relationship between femoral lateral bowing and rotational alignment of the nail in osteosynthesis for femoral intertrochanteric fracture using middle nail with the lateral bowing angle of 5 degrees S136
 Juzen Memorial Hosp., Hamamatsu, Japan Moehito Sakaida
- 1-8-MT16-4 Analysis of the course of the Lateral Circumflex Femoral Artery using angiographic CT: A proposed method for the insertion of reduction tools during surgery for intertrochanteric fractures S136
 Univ. of Occupational and Environmental Health, Fukuoka, Japan Daishi Hamada
- 1-8-MT16-5 Investigation of fixation force depending on the position of the rod for circular external fixator S137
 Akita Univ. Graduate School of Medicine Koji Nozaka

Noontime Lecture 6
 (12:00 ~ 13:00)

Chair: Y. Anraku

- 1-8-NL6 Lateral cortical notching (LCN) can heal trochanteric non-unions S510
 Paracelsus Private Medical Univ., Germany Hermann Josef Bail

Main Theme 17 Image evaluation • Three-dimensional analysis, Bone density
 (14:30 ~ 15:30)

Chair: T. Nakajima

- 1-8-MT17-1 Clinical examination of fracture risk assessment and severity classification in proximal femoral fractures using the novel bone strength index (BRI) S137
 Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 1-8-MT17-2 Implant selection for unstable femoral neck fractures S138
 Tosei General Hosp., Aichi, Japan Shinya Kataoka
- 1-8-MT17-3 Effects of TBS on bone density, body mass index, and nutritional indices in elderly women -The important relationship between bone quality and nutritional status revealed S138
 Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto

- 1-8-MT17-4 Prediction of bone mineral density and bone strength of the proximal femur using preoperative CT S139
 Kagawa Rosai Hosp., Kagawa, Japan Takashi Maehara
- 1-8-MT17-5 Bone mineral density measurement from hip CT images S139
 Osaka Univ., Osaka, Japan Keisuke Uemura
- 1-8-MT17-6 Osteoporosis screening AI leading to primary prevention of fragility fracture..... S140
 Trauma & Reconstruction Center, Teikyo Univ. Hosp. /
 Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan Yuichi Imoto

Oral 16 Image evaluation • Three-dimensional analysis 1

(15:40 ~ 16:20)

Chair: S. Oki

- 1-8-O16-1 3D-CT imaging creation according to template by orthopedic surgeons for accurate preoperative planning..... S216
 Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine,
 Kyoto, Japan Naoyuki Horie
- 1-8-O16-2 Posterior protrusion measures (PPM) for 3D CT classification of pertrochanteric fractures S216
 Himeji Central Hosp., Hyogo, Japan Mitsuaki Noda
- 1-8-O16-3 Utility in diagnosing occult fractures of the proximal femur using Dual-Energy CT S217
 Hyogo Kenritsu Nishinomiya Hosp. / Kobe Univ. Hosp., Kobe, Japan Kei Yamada
- 1-8-O16-4 Assessment of femoral head bone mineral density using Hounsfield units in intertrochanteric femoral fracture S217
 NHO Saga Hosp., Saga, Japan Shuichi Eto
- 1-8-O16-5 Examination of the usefulness of Cortical thickness index as an indicator for severe osteoporosis S218
 Tsukuba Central Hosp. / Tsukuba Univ. Hosp., Tsukuba, Japan Hiromi Mochizuki

Oral 17 Image evaluation • Three-dimensional analysis 2

(16:30 ~ 17:20)

Chair: H. Morii

- 1-8-O17-1 Causes and countermeasures for 2 types, large postoperative shortening after lateral anatomic reduction of proximal femoral fractures S218
 Keiou Hosp., Nara, Japan Ikufumi Yamada
- 1-8-O17-2 Intraoperative assessment of reduction status in trochanteric fracture surgery using fluoroscopic anteromedial cortex view S219
 Oita Univ., Dept. of Orthop. Surg., Yufu, Japan Shozo Kanazaki
- 1-8-O17-3 Anatomically, offset nails are advantageous for placing lag screws in the center of the femoral head in proximal femoral fracture nail surgery S219
 Keiou Hosp., Nara, Japan Ikufumi Yamada

- 1-8-O17-4 Is sonography useful in confirming carpometacarpal joint fracture-dislocation? ... S220
 Dept. of Orthop. Surg., Tokyo Women's Medical Univ. Yachiyo Medical Center,
 Chiba, Japan Nahoko Iwakura
- 1-8-O17-5 Relationship between reduction position and femoral neck anteversion in
 osteosynthesis for femoral intertrochanteric fracture using middle nail with
 the lateral bowing angle of 5 degrees S220
 Juzen Memorial Hosp., Hamamatsu, Japan Moehito Sakaida
- 1-8-O17-6 Outcome of osteosynthesis for femoral neck fractures using TWINS S221
 Central Japan International Medical Center, Gifu, Japan Masanori Kito

Day1 · Room 9 (Exhibition Bldg. IF “Room 3”)

Main Theme 12 Spinal injury

(8:30 ~ 9:30)

Chair: K. Inokuchi

- 1-9-MT12-1 Analysis of the fracture Domino effect in vertebral body fractures: Investigation of the relationship with fracture age, femoral bone density, and body mass index ... S123
Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 1-9-MT12-2 Muscle mass by site according to inBody of hospitalized fractures of the spine over 65 years of age S123
Japanese Red Cross Okayama Hosp., Okayama, Japan Kensuke Ando
- 1-9-MT12-3 Training system for cervical vertebral arch using supervised data S124
Graduate School of Tokyo Denki Univ., Saitama, Japan Taiga Tanaka
- 1-9-MT12-4 Evaluation of the reliability of dual energy CT in the diagnosis of sacral fractures S124
Dept. of Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp., Hyogo, Japan Takahiro Oda
- 1-9-MT12-5 Characteristics of vertebral fractures associated with diffuse idiopathic skeletal hyperostosis S125
Ehime Rosai Hosp., Ehime, Japan Yuji Nagao
- 1-9-MT12-6 A study of our surgical technique for osteoporotic vertebral fractures with prolonged fusion and nonunion cases S125
Yamaguchi Univ. Graduate School of Medicine, Yamaguchi, Japan Yusuke Ichihara

Main Theme 28 Pediatric humerus fracture

(9:50 ~ 10:30)

Chair: M. Kameyama

- 1-9-MT28-1 Consideration of conservative and surgical treatment for pediatric humeral medial epicondyle fractures S170
Chutoen General Medical Center, Shizuoka, Japan Takumi Miyachi
- 1-9-MT28-2 Ultrasound and radiological features of supracondylar humerus fractures in children S170
Dept. of Orthop. Surg., Showa Univ. Fujigaoka Hosp., Kanagawa, Japan Tomohiro Yasuda
- 1-9-MT28-3 Pathoanatomy of the medial comminution of pediatric distal humeral supracondylar fracture: Assessment using CT images S171
Showa Univ. Fujigaoka Hosp., Kanagawa, Japan Ryu Igaki
- 1-9-MT28-4 Cartilage hinge in pediatric lateral humeral condyle fractures can be detected with ultrasound S171
Trauma & Reconstruction Center, Teikyo Univ. Hosp. /
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan Tomoo Nakagawa

Day 1
Room 8

Day 1
Room 9

Main Theme 29 Pediatric femoral diaphyseal fractures

(10:40 ~ 11:30)

Chair: A. Nakazawa

- 1-9-MT29-1 Treatment outcomes for pediatric diaphyseal fractures of the tibia and fibula at our hospital S172
Saga Prefecture Hosp. Koseikan, Saga, Japan Yuto Tashiro
- 1-9-MT29-2 Intramedullary nail fixation for pediatric femoral shaft fractures S172
Dept. of Orthop. Surg., Yokohama Municipal Citizen's Hosp.,
Yokohama, Japan Akihiro Nakazawa
- 1-9-MT29-3 What are the clinical outcomes and risk factors for overgrowth in cases of titanium elastic nailing (TEN) use in the treatment of pediatric lower extremity fractures? S173
Kyushu Univ. Hosp. Emergency & Critical Care Center, Fukuoka, Japan Takahiro Inoue
- 1-9-MT29-4 Comparison of clinical outcomes in pediatric femoral shaft fractures treated with Ender Nail and TEN S173
Jichi Medical Univ. Hosp., Tochigi, Japan Eri Yasuda
- 1-9-MT29-5 Is conservative treatment the first choice in fractures of the extremities in children with osteogenesis imperfecta? S174
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine,
Kyoto, Japan Hirotaka Matsuura

Noontime Lecture 7

(12:00 ~ 13:00)

Chair: H. Inoue

- 1-9-NL7 Treatment for Lisfranc fracture dislocations S511
South Miyagi Medical Center, Sendai, Japan Shuji Isefuku

Oral 18 Femoral Trochanteric fractures 1

(14:30 ~ 15:10)

Chair: Y. Abe

- 1-9-O18-1 Current status and problems in the treatment of basicervical femoral neck fractures in our institute S221
Aomori Rosai Hosp., Aomori, Japan Tetsushi Oyama
- 1-9-O18-2 Measurement of bone quality in the femoral head using a virtual short femoral nail in proximal femur fractures S222
Advanced Critical Care and Emergency Center, Yokohama City Univ.
Medical Center, Kanagawa, Japan Daisuke Enomoto
- 1-9-O18-3 Relationships between CT values of femoral head and bone mineral density in patients with femoral trochanteric fracture S222
Muroran City General Hosp., Hokkaido, Japan Takashi Ochiai

- 1-9-O18-4 Treatment results for femoral trochanteric fractures in patients under 60 years of age S223
 Kochi Health Sciences Center, Kochi, Japan Yasuaki Yamakawa
- 1-9-O18-5 Study of lag screw sliding in basicervical fracture of the femur
 -Can basicervical fracture of the femur be stabilized by anchoring the greater trochanter?..... S223
 Asao General Hosp., Kawasaki, Japan Toshiro Yonezawa

Oral 19 Femoral Trochanteric fractures 2
 (15:20 ~ 16:00)

Chair: T. Ikuta

- 1-9-O19-1 Multicentre study on postoperative complications of cement augmentation TFNA ... S224
 Yokohama City Univ. Medical Center, Kanagawa, Japan Masahiro Matsumoto
- 1-9-O19-2 Usefulness of cotton type bone material when using TFNA cement augmentation system in patients with bone defects in the femoral head and neck S224
 Fukuyama City Hosp., Hiroshima, Japan Takahiro Toriyama
- 1-9-O19-3 Clinical and radiological outcomes in patients with femoral trochanteric fracture involving anterior wall fragment S225
 Sugita Genpaku Memorial Obama Municipal Hosp., /
 Univ. of Fukui Hosp., Fukui, Japan Kenichi Takeno
- 1-9-O19-4 Examination of relation between amount of Biopex and Bone density, CT value... S225
 Ise Red Cross Hosp., Mie, Japan Ryusuke Kurata
- 1-9-O19-5 Can good reduction be achieved with an intramedullary nail (Hansson DC Nail) that can cause dynamization in the axial direction of the femur? S226
 Kameda Medical Center, Chiba, Japan Kazuyuki Nakazato

Oral 20 Femoral Trochanteric fractures 3
 (16:10 ~ 16:45)

Chair: T. Maehara

- 1-9-O20-1 Malrotation after internal fixation with short femoral nail for trochanteric femoral fracture S226
 Okayama Rosai Hosp., Okayama, Japan Akihiro Kanamaru
- 1-9-O20-2 Insertion torque of lag screw for femoral trochanteric fractures affects early postoperative walking ability..... S227
 Kugayama Hosp., Tokyo, Japan Gaku Michihiro
- 1-9-O20-3 Risk factors of postoperative decline in walking ability in intertrochanteric fracture S227
 Hyogo Medical Univ. Orthop. Surg., Nishinomya, Japan /
 Yuaikai Hosp., Osaka, Japan Yuta Matsumae
- 1-9-O20-4 The factors for postoperative walking ability in patients over 90 years with proximal femoral fractures S228
 Dept. of Orthop. Surg., National Hosp. Organization Okayama Medical Center,
 Okayama, Japan Sho Muguruma

Day1 • Room 10 (Exhibition Bldg. IF “Room 2”)

Oral 21 Proximal femoral fractures in the elderly 1

(8:30 ~ 9:20)

Chair: S. Kitada

- 1-10-O21-1 Perioperative complications of proximal femoral fractures with aortic valve stenosis S228
Kushiro City General Hosp., Hokkaido, Japan Kenta Ishida
- 1-10-O21-2 Relationship between GNRI score and clinical outcomes in patients with proximal femoral fractures over 90 years S229
Funabashi General Hosp., Chiba, Japan Shinya Matsukura
- 1-10-O21-3 Clinical outcomes of proximal femoral fractures patients over 90 years..... S229
Okayama Medical Center, Okayama, Japan Suguru Yokoo
- 1-10-O21-4 Continuation rate of secondary fracture prevention after proximal femur fracture surgery and regional cooperation -One year after the start of the program S230
Kobe Rousai Hosp., Kobe, Japan Fumimasa Maruno
- 1-10-O21-5 Effectiveness and problem of osteoporosis liaison service path at our hospital S230
Japanese Red Cross Kyoto Daiichi Hosp., Kyoto, Japan Hideki Ueda
- 1-10-O21-6 Current status of FLS for orthopedic surgery in the island region of Tokyo..... S231
Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan Shinya Adachi

Oral 22 Proximal femoral fractures in the elderly 2

(9:30 ~ 10:20)

Chair: K. Yamazaki

- 1-10-O22-1 Outcomes of femoral neck fracture in elderly population -Relationship between CT values and complications- S231
Tsuyama Chuo Hosp., Okayama, Japan Koji Demiya
- 1-10-O22-2 Factors to maintain postoperative walking ability for hip fractures..... S232
Saiseikai Shiga Hosp., Shiga, Japan Shinsuke Morisaki
- 1-10-O22-3 The new OLHS allows even unstable femoral trochanteric fractures to remain as active as stable type S232
Dept. of Traumatology, Fukushima Medical Univ./
Trauma & Reconstruction Center, Southern TOHOKU General Hosp.,
Fukushima, Japan Narutaka Katoh
- 1-10-O22-4 Examination of factors contributing to decline in walking ability in elderly patients with proximal femur fractures S233
Asago Medical Center, Hyogo, Japan Ryowa Mineo
- 1-10-O22-5 Clinical results of osteosynthesis for displaced femoral neck fracture in elderly patients S233
Higashiyamato Hosp., Tokyo, Japan Motoki Abe

- 1-10-O22-6 Study of risk factors for contralateral fracture after proximal femoral fracture ... S234
 Toyamaken Kouseiren Namerikawa Hosp., Toyama, Japan Hiroshi Hayashi

Oral 23 Proximal femoral fractures in the elderly 3

(10:30 ~ 11:30)

Chair: H. Shirakata

- 1-10-O23-1 Has fracture pattern of femoral trochanteric fracture changed during these 10 years? -3D-CT classification S234
 Nishinomiya Watanabe Hosp., Hyogo, Japan Hiromasa Akino
- 1-10-O23-2 Clinical results of cemented or cementless bipolar hemiarthroplasty for femoral neck fractures: A multicenter prospective cohort study S235
 Dokkyo Medical University Saitama Medical Center, Saitama, Japan Tetsuya Jinno
- 1-10-O23-3 Utility of bipolar head arthroplasty using the minimally invasive surgery (MIS) approach for femoral neck fractures in super elderly patients S235
 Iga City Hosp., Mie, Japan Hironori Unno
- 1-10-O23-4 Consideration of one-stage bipolar hip arthroplasty and early mobilization of femoral trochanteric fractures in the elderly S236
 Aidu Chuo Hosp. / Fukushima Medical Univ., Trauma and Reconstructive Center, Fukushima, Japan Masaru Nakano
- 1-10-O23-5 In Bipolar Hip Arthroplasty (BHA) for femoral neck fractures, does the CPP (Conjoined Tendon Preserving Posterior) approach reduce postoperative dislocation compared to other approaches? S236
 Baba Memorial Hosp., Osaka, Japan Takuma Akitsukaze
- 1-10-O23-6 The clinical results of total hip arthroplasty for femoral neck fracture at 1-year follow up in single center study S237
 Saiseikai Yokohamashi Tobu Hosp., Kanagawa, Japan Rei Hirose
- 1-10-O23-7 Comparison of functional prognosis between internal fixation and hemiarthroplasty for femoral neck fractures displaced by backbend 15 degrees or more S237
 JCHO Yamanashi Hosp. Trauma Center/
 Kosei Hosp. Orthop. Surg., Tokyo, Japan Tetsuya Ohata

Noontime Lecture 8

(12:00 ~ 13:00)

Chair: T. Noda

- 1-10-NL8-1 Wound handling and soft tissue reconstruction in upper extremity areas S512
 Trauma Reconstruction Center, Univ. of Occupational and Environmental Health, Fukuoka, Japan Yukichi Zenke
- 1-10-NL8-2 Strategic wound closure in lower extremity fractures S513
 Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan Shimpei Kitada

**Sponsored Seminar Pathological Fractures 2024 for Trauma Specialists:
Management of pathological fractures and Collaboration with Ortho-
Oncologists**

(14:30 ~ 16:30)

**Chairs: H. Kawano
K. Matsui**

- 1-10-SS-1 ~ 3..... S532
- 1-10-SS-1 Collaboration for pathological fractures between a cancer center and a trauma center
Akashi Medical Center, Hyogo, Japan Takahiro Waki
- 1-10-SS-2 Collaborative management of pathological fractures with University Ortho-Oncologists
Nagasaki Medical Center, Nagasaki, Japan Takashi Miyamoto
- 1-10-SS-3 Practical application and pitfalls of mega-prosthetic reconstruction for pathological fractures
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan Jungo Imanishi

Oral 24 Acetabular fractures

(16:10 ~ 16:45)

Chair: Y. Kokubo

- 1-10-O24-1 Anterior hip fracture dislocation treated by total hip arthroplasty; 2 case reports ... S238
Fukaya Red Cross Hosp., Saitama, Japan Kenichi Nagano
- 1-10-O24-2 Three cases of intra-articular hip fractures treated with trochanteric flip osteotomy S238
Yokohama City Univ. Medical Center, Kanagawa, Japan Masahiro Matsumoto
- 1-10-O24-3 Treatment options for acetabular fractures in the elderly S239
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Ishikawa, Japan Kenji Fujita
- 1-10-O24-4 Clinical outcome and prognostic factors after acetabular fracture surgery..... S239
Okayama Univ. Graduate School of Medicine, Dentistry, and Pharmaceutical Science,
Okayama, Japan Shiro Fukuoka

Day1 • Room 11 (Exhibition Bldg. IF “Room 1”)

Young Surgeons Session TE-RA-KO-YA
(8:30 ~ 10:30)

Chair: S. Tsutsui

1-11-YS-1 ~ 15	S481
1-11-YS-1	Dept. of Orthop. Surg., Shizuoka Medical Center Hosp., Shizuoka, Japan Yuko Irie
1-11-YS-2	Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Takashi Ogawa
1-11-YS-3	Dept. of Orthop. Surg., Fukushima Medical Univ., Fukushima, Japan Shunsuke Sato
1-11-YS-4	Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Ryo Sato
1-11-YS-5	Osaka City General Hosp., Osaka, Japan Keisuke Suzuki
1-11-YS-6	Juntendo Univ. Urayasu Hosp., Hand Surg. & Trauma Reconstruction Center, Chiba, Japan Masao Suzuki
1-11-YS-7	Emergency and Critical Care Center, Fukushima Medical Univ. Hosp., Fukushima, Japan Kotaro Sorimachi
1-11-YS-8	Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Kanako Tsuihiji
1-11-YS-9	Trauma Reconstruction Center, Univ. of Occupational and Environmental Health, Fukuoka, Japan Daishi Hamada
1-11-YS-10	Dept. of Orthop. Surg., Ogori Daiichi General Hosp., Yamaguchi, Japan Kota Hayashi
1-11-YS-11	Dept. of Reconstructive Microsurgery and Traumatology, Hiroshima Univ., Hiroshima, Japan Yuta Hayashi
1-11-YS-12	Div. of Orthop. Trauma Center, Sapporo Tokushukai Hosp., Hokkaido, Japan Hirotada Matsui
1-11-YS-13	Dept. of Orthop. Surg., Japanese Red Cross Kobe Hosp., Hyogo, Japan Minami Matsuhashi
1-11-YS-14	Yokohama City Univ. Medical Center, Advanced Critical Care and Emergency Center, Kanagawa, Japan Masahiro Matsumoto
1-11-YS-15	Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Tomoko Wakejima

Oral 25 Reform of work styles, Disaster
(10:50 ~ 11:40)

Chair: K. Ichimura

1-11-O25-1	The experience of 2024 Noto peninsula earthquake	S240
	Suzu General Hosp., Suzu, Japan Yusuke Yoshimoto	
1-11-O25-2	The need for a trauma surgical framework for early surgery of Femoral trochanteric fracture	S240
	Miyazaki Prefectural Nobeoka Hosp., Miyazaki, Japan Kazuaki Ishihara	

- 1-11-O25-3 Impact of physician work style reforms on the waiting period for surgery
for proximal femur fractures S241
Hiroshima City Hiroshima Citizens Hosp., Hiroshima, Japan Hiroaki Murakami
- 1-11-O25-4 Investigation of the effect of training with Trauma Vision on reducing
fluoroscopy time S241
Dept. of Orthop. Surg., Kagawa Univ., Kagawa, Japan Teppei Senda
- 1-11-O25-5 Overtime work in the treatment of open fracture S242
Div. of Comprehensive Musculoskeletal Medicine, Niigata Univ. Graduate School of Medical and
Dental Sciences, Niigata, Japan Takuya Yoda
- 1-11-O25-6 Examination of tourniquet pressure setting using limb occlusion pressure
sensor. Regarding upper limb surgery cases S242
Daiyukai General Hosp., Aichi, Japan Hiroya Senda

Noontime Lecture 9

(12:00 ~ 13:00)

Chair: T. Sawada

- 1-11-NL9 The first hip fracture center in Japan: Past efforts and future goals S514
Akashi Medical Center, Hyogo, Japan Takahiro Waki

Hands-on Seminar Ender nailing

(14:30 ~ 16:30)

Chair: K. Ando

- 1-11-HS-1 ~ 2 S533
- 1-11-HS-1 Kamitsuga General Hosp., Tochigi, Japan Satoshi Takahata
- 1-11-HS-2 Dept. of Orthop. Surg., Showa Univ. Northern Yokohama Hosp., Yokohama, Japan /
Dept. of Orthop. Surg., Showa Univ. School of Medicine,
Tokyo, Japan Masaya Yamaguchi
- 1-11-HS Hands-on