

Day 2 June 30 (Fri)

Day2 • Room 1 (1F Medium Hall "Earth")

Morning Seminar 1

(7 : 30~8 : 30)

Chair: M. Tsunoda

- 2-1-MS1-1 Recent advances in the treatment of intertrochanteric hip fractures in Japan
..... S543
Dept. of Orthop. Surg., National Hospital Organization Okayama Medical Center Naofumi Shiota
- 2-1-MS1-2 Let's fix! Posterior lateral fragment of femoral trochanteric fractures S544
Dept. of Orthop. Surg., National Hospital Organization Okayama Medical Center Suguru Yokoo

Special Lecture

(8 : 35~9 : 35)

Chair: A. Mogami

- 2-1-SL-1 The Best Way for Treating Fractures and Severe Extremity Trauma - The
Ideal Scenario in Japan S4
Dept. of Orthop. Trauma, Shonan Kamakura General Hosp. Yoshihiko Tsuchida

Symposium6 National Edition! Severe Extremity Trauma Peer Review Meeting (PRM)

(9 : 45~11 : 45)

Chair: Y. Tsuchida

- 2-1-SY6-1 A case of severe upper extremity trauma with acute bone shortening..... S76
Div. of Comprehensive Musculoskeletal Medicine, Niigata Univ. Graduate School of Medical and Dental
Sciences Takuya Yoda
- 2-1-SY6-2 A case of Gustilo 3B crushed injury of the forearm using early reconstruction
strategy S77
Trauma Reconstruction Center, Univ. of Occupational and Environmental Health, Japan
Yukichi Zenke
- 2-1-SY6-3 A case of open fracture of the proximal lower leg Gustilo classification Type
IIIC associated with multiple trauma S78
Dept. of Emergency and Critical Care Medicine, Saitama Medical Univ. Hokuto Morii
- 2-1-SY6-4 Unilateral upper and lower limb, multiple open fractures with extensive lower
extremity skin loss: a case report S79
Trauma Center, Emergency and Critical Care Medical Center, Osaka City General Hosp., Osaka, Japan
Keisuke Suzuki

Noontime Lecture 9

(12 : 00~13 : 00)

Chair: T. Sato

- 2-1-NL9-1 Locking plate fixation of proximal humerus fractures S562
 Dept. of Emergency and Critical Care Medicine, Jichi Medical Univ. Tomohiro Matsumura
- 2-1-NL9-2 Surgical treatment for clavicle fractures: Plate osteosynthesis S563
 Dept. of Sports Medicine, Okayama Univ. Graduate School of Medicine, Dentistry and Pharmaceutical Sciences Yasunori Shimamura

Symposium7 Appropriate use of High-Concentration Local Antibiotic Administration in the Treatment of Fractures

(13 : 10~14 : 40)

Chairs: A. Maruo
Y. Watanabe

- 2-1-SY7-1 Basic Principles of CLAP: Using 5D in Fracture Treatment S81
 Dept. of Orthop. Surg., Chiba Emergency Medical Center Daisuke Himeno
- 2-1-SY7-2 Efficacy and safety in continuous local antibiotics perfusion (CLAP) for fracture-related infections S82
 Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center / CLAP research group Shunsuke Takahara
- 2-1-SY7-3 Continuous Local Antibiotics Perfusion Therapy in Patients with Renal Dysfunction S83
 Trauma Reconstruction Center, School of Medicine, Univ. of Occupational and Environmental Health Daishi Hamada
- 2-1-SY7-4 Delayed fracture-related infection treatment Strategies including high CALI S84
 Trauma Center, Shonan Kamakura General Hosp. Masayuki Hasegawa
- 2-1-SY7-5 No Requirement for High-concentration Local Antimicrobial in Fracture Related Infections S85
 Dept. of Orthop., Teikyo Univ. School of Medicine / Trauma and Reconstruction Center, Teikyo Univ. Hosp. Gen Sasaki

Symposium8 Unstable Pelvic Fractures - Discussing Fixation Methods

(14 : 50~16 : 15)

Chairs: M. Shirahama
K. Inokuchi

- 2-1-SY8-1 Percutaneous screw fixation for the pelvic ring fractureS93
Orthop. Trauma and Reconstruction Center, Hyogo Prefectural Nishinomiya Hosp. Shimpei Kitada
- 2-1-SY8-2 Posterior plate fixation for unstable pelvic ring fractures S94
Advanced Critical Care Center, Univ. of Gifu, Gifu, Japan Norihide Kanda
- 2-1-SY8-3 Surgical indication and method of spinal instrumentation for unstable pelvic
ring fracture S95
Dept. of Emergency and Critical Care Medicine, Nara Medical Univ. / Dept. of Orthop. Surg., Nara Medical
Univ. Akinori Okuda
- 2-1-SY8-4 Treatment of unstable pelvic ring injuries with SIRF (Sacro-Iliac Rod fixation)
..... S96
Dept. of Orthop., Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Tomoko Wakejima

Presentations related to Symposium 11 Complex Elbow Instability

(16 : 20~16 : 45)

Chair: K. Sakai

- 2-1-SR11-1 Treatment strategy and clinical results according to pathomechanism of
complex elbow instability S124
Dept. of Orthop. Surg., Okayama Saiseikai General Hosp. Shinji Narazaki
- 2-1-SR11-2 Surgical approach for trans-olecranon fracture dislocation S124
Dept. of Orthop. Surg., Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp.
Hideyoshi Sawada
- 2-1-SR11-3 Clinical status of olecranon fracture dislocation S125
Dept. of Orthop. Surg., Omuta City Hosp. Kensuke Sakai

Cultural Lecture

(17 : 20~18 : 20)

Chair: A. Mogami

- 2-1-CL-1 "Learning" Starts with "Enjoy!" - Practical Application in Medicine S9
QuizKnock Inc. Takushi Izawa

Day2 • Room 2 (6F Communication Hall)

Morning Seminar 2

(7 : 30~8 : 30)

Chair: O. Obayashi

- 2-2-MS2-1 Challenging intractable spinal disease -Rethinking of neuropathic pain in the field of orthopedics- S545
 Professor and Chairman, Director Dept. of Orthop. Surg. Hamamatsu Univ. School of Medicine
 Yukihiro Matsuyama

Symposium9 Very early surgery cervical spinal cord injury without bone injury

(8 : 35~10 : 05)

Chairs: H. Chikuda
 A. Itoi

- 2-2-SY9-1 Changes in treatment for traumatic cervical spinal cord injury without bone injury S101
 Dept. of Orthop. Surg., Spinal Injuries Center Takeshi Maeda
- 2-2-SY9-2 Problems solved before the introduction of ultra-early surgery and issues felt after the introduction..... S102
 Orthop. Surg. Yamanashi Prefectural Central Hosp. Hiroaki Iwase
- 2-2-SY9-3 Management of early surgical treatment for cervical spinal cord injury associated with multiple trauma S103
 Dept. of Orthop. Surg., Kobe Red Cross Hosp. Yasuo Ito
- 2-2-SY9-4 Advantages of Spinal Fixation for Spinal Cord Injury in the Hyperacute Phase S104
 Hokkaido Spinal Cord Injury Center Kota Suda
- 2-2-SY9-5 Characteristics of complete cervical cord injury without fracture or dislocation in which very early decompression does not improve paralysis S105
 Trauma Center, Saitama Medical Center, Saitama Medical Univ., Kawagoe, Japan Koichi Inokuchi
- 2-2-SY9-6 Treatment of cervical spinal cord injury without fracture or dislocation -The reason why we don't make ultra-early surgery mandatory- S106
 National Hospital Organization Sendai Medical Center Shinji Ogawa
- 2-2-SY9-7 Priority proposal for acute mobilization in patients with incomplete cervical spinal cord injury S107
 Chuzan Hosp. / Nihon Fukushi Univ. Fumihiro Tajima

Day 2
 Room 1

Day 2
 Room 2

Panel Discussion5 Best Practice 2023 in Japan for Calcaneal Fractures

(10 : 15~11 : 45)

Chairs: T. Kurozumi
N. Hio

- 2-2-PD5-1 Index of articular surface reduction in intra-articular calcaneal fractures from foot and ankle surgeon's view S165
Foot and Ankle Surg. Center, East Maebashi Orthop. Hosp., Gunma, Japan Naohiro Hio
- 2-2-PD5-2 Practical and Fixation Methods of the Westius Method S166
Dept. of Orthop. Surg., Juntendo Univ. Shizuoka Hosp. Wataru Kihara
- 2-2-PD5-3 Minimally invasive treatment of intra-articular calcaneal fracture through sinus tarsi approach S167
Dept. of Musculoskeletal Traumatology, Faculty of Medicine, Dentistry and Pharmaceutical Sciences, Okayama Univ. Masanori Yorimitsu
- 2-2-PD5-4 Role Specific Screw Fixation strategy for intraarticular calcaneal fractures S168
Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Ryo Sato
- 2-2-PD5-5 Treatment Strategy Using the Extended L Approach for Intraarticular Calcaneus Fractures in Our Hospital S169
National Hospital Organization Nagasaki Medical Center Keita Yamaguchi

Noontime Lecture 10

(12 : 00~13 : 00)

Chair: A. Miyoui

- 2-2-NL10-1 The roll of artificial bone in reconstruction of critical size bone defect: Focusing on the Masquelet technique S564
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine Yoshinobu Watanabe

Symposium10 What is the Ideal Anterior Approach to Acetabular Fractures?

(13 : 10~14 : 40)

Chairs: T. Sawaguchi
N. Maegawa

- 2-2-SY10-1 What is the best anterior approach for acetabular fracture? ilioinguinal approach S111
Univ. of Fukui Hosp., Surgical Center Yasuo Kokubo
- 2-2-SY10-2 Tips and techniques of Modified Stoppa Approach S112
Traumatology and Reconstructive Surg., Tsubame Rosai Hosp., Niigata, Japan Tomomi Fukuhara
- 2-2-SY10-3 Versatile anterior approach for acetabular fractures: Iliofemoral approach S113
Trauma and Reconstruction Center, Teikyo Univ. Hosp. Takashi Suzuki
- 2-2-SY10-4 Anterior approach to be selected according to the purpose S114
Dept. of Emergency and Critical Care Medicine, Saitama Medical Center Yasuhisa Ueda

Symposium11 Traumatic Elbow Instability

(14 : 50~16 : 15)

Chairs: J. Imatani
S. Nagao

- 2-2-SY11-1 Posterolateral rotatory instability of the elbow..... S120
Orthop. Trauma Center, Shonan Kamakura General Hosp. Kanako Tsuihiji
- 2-2-SY11-2 Diagnosis and Management of Varus Posteromedial Rotatory Instability S121
Division of Orthop. & Rehabilitation, Itabashi Medical Association Hosp. /
Dept. of Orthop. Surg., Nihon Univ. School of Medicine Soya Nagao
- 2-2-SY11-3 Management of "simple elbow dislocation" S122
Dept. of Orthop. Surg., JRC Aichi Medical Center Nagoya Daiichi Hosp. Shukuki Koh
- 2-2-SY11-4 Clinical outcomes of using posterior global approach 'single incision' for
olecranon fracture dislocations S123
Dept. of Orthop. Surg., Kurume Univ. School of Medicine Shiro Yoshida

Presentations related to Symposium 8 Unstable pelvic ring fractures

(16 : 20~17 : 10)

Chair: Y. Yagata

- 2-2-SR8-1 Minimally invasive spino-pelvic fixation technique for unstable pelvic ring
fractures with severe vertical shear displacement S97
Dept. of Orthop., Kobe Red Cross Hosp., Kobe, Japan Takuya Morita
- 2-2-SR8-2 Usefulness of Spino-pelvic fixation for pelvic ring fractures with sacral
fractures S97
Dept. of Orthop. & Spine Surg., Toyota Kosei Hosp. Hiroto Tachi
- 2-2-SR8-3 Screw fixation using traction operating table in unstable pelvic ring fracture
AO/OTA classification Type C S98
Hiroshima Univ., Dept. of Musculoskeletal Traumatology and Reconstructive Surg. Kazunori Oae
- 2-2-SR8-4 Postoperative corrective loss of H and U sacral fractures is reduced by
insertion of double iliac screws S98
Dept. of Orthop. Surg., Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan /
Dept. of Emergency and Critical Care Medicine, Saitama Medical Center Toshihide Sato
- 2-2-SR8-5 A study of the position of the Gull Wing Plate used for pelvic ring
fractures S99
Advanced Emergency Medical Service Center, Kurume Univ. Hosp. Yoshihiko Shirahama
- 2-2-SR8-6 Clinical results of symphyseal plate in pelvic ring fractures..... S99
Dept. of Orthop. Surg., Kitasato Univ. School of Medicine, Kanagawa, Japan Shintaro Shoji

Day2 • Room 3 (6F Exhibition Gallery)

Morning Seminar 3

(7 : 30~8 : 30)

Chair: Y. Zenke

- 2-3-MS3-1 Utilization Methods and Improvement of NPWT for wound management in the field of extremity trauma S546
 Trauma Center, Sapporo Higashi Tokushukai Hosp., Japan Kazuo Sato

KFS Scientific Paper

(8 : 35~9 : 15)

Chair: E. Shoda

- 2-3-KS-1 Ipsilateral femoral neck fracture: the long and winding road
 Armed Forces Capital Hosp. Kyu Hyun Yang
- 2-3-KS-2 Progression of Asymptomatic Contralateral Femur in Patients with Complete Atypical Femoral Fractures; According to the Initial Radiographic Finding
 Keimyung Univ. Dongsan Hosp. Byung-Woo Min
- 2-3-KS-3 Induced membrane technique may have a lower complication rate than bone transport in bone reconstruction for a critical sized defect of tibia
 Kyungpook National Univ. Hosp. Chang-Wug Oh
- 2-3-KS-4 Comparison of osteosynthesis with and without additional plate for Vancouver Type B1 and Type C periprosthetic fractures of femur
 Asan Medical Center, Univ. of Ulsan Ji Wan Kim
- 2-3-KS-5 Straight nail insertion through a laterally shifted entry for diaphyseal atypical femoral fractures with bowing: good indications and limitations of this technique
 CHA Bundang Medical Center, CHA Univ. Seong-Eun Byun

AO Trauma • Recon Seminar

(9 : 45~11 : 45)

Chairs: T. Noda
 M. Ito

- 2-3-AO-1 Pilon fractures (tentative) S521
 Harborview Medical Center / Dept. of Orthop. Surg. and Sports Medicine, Univ. of Washington, Seattle, Washington Sean E. Nork
- 2-3-AO-2 Acute THA for acetabular fracture S522
 Samsung Medical Center, Seoul Seung-Jae Lim
- 2-3-AO-3 Acetabular bone defects after trauma, how to reconstruct the unerconstructible S523
 Univ. of British Columbia Bassam A. Masri

Noontime Lecture 11

(12 : 00~13 : 00)

**Chairs: T. Miyamoto
N. Shiota**

- 2-3-NL11-1 Retrograde nailing strategy for periprosthetic distal femur fractures S565
 Dep. of Orthop. Surg., Okayama Medical Center, Okayama, Japan Naofumi Shiota
- 2-3-NL11-2 Retrograde nailing strategy for distal femur fracture in osteopenic patients
 S566
 Dep. of Orthop. Surg., Nagasaki Medical Center, Nagasaki, Japan Takashi Miyamoto

**Presidential Lectures of the Korean Fracture Society (KFS) and
Taiwan Orthopaedic Trauma Association (TOTA)**

(13 : 10~14 : 40)

**Chairs: E. Shoda
M. Yorimitsu**

- 2-3-KT1-1 How to improve surgical outcomes of atypical femoral fracture S524
 Hanyang Univ. Guri Hosp. Ki Chul Park
- 2-3-KT1-2 Safety and Efficacy of Prophylactic closed incision negative pressure wound
 therapy (ciNPWT) after acute fracture surgery S525
 Dept. of Orthop., Kaohsiung Veterans General Hosp. Yih-Wen Tarng
- 2-3-KT1-3 Simple Tibial Fractures, But They Aren't Simple At All S526
 Kaohsiung Veterans General Hosp. Kai-Cheng Lin

Problematic Case-based Discussions for Young Japanese and Korean Surgeons

(14 : 50~15 : 50)

**Chairs: Jong Keon Oh
H. Minehara**

- 2-3-KT2-1 A case presentation: Eventual nonunion of a distal femoral diaphyseal fracture
 associated with severe multiple trauma S528
 Dept. of Emergency and Critical Care Medicine, Saitama Medical Center, Saitama Medical Univ.
 Hokuto Morii
- 2-3-KT2-2 Open distal humerus fracture with bone defect S529
 Dept. of Orthop. Surg., Korea Univ. Guro Hosp., Republic of Korea Wonseok Choi
- 2-3-KT2-3 Periprosthetic fracture after revisional total knee arthroplasty S530
 Dept. of Orthop. Surg., Severance Hosp., Yonsei Univ. College of Medicine, Seoul, Republic of Korea
 Young-Chang Park

Korea and Taiwan Traveling Fellows presentations

(16 : 00~17 : 00)

**Chairs: T. Miyamoto
A. Sakurai**

- 2-3-KT3-1 Open reduction and internal fixation of the coronal split articular fragment and inferior pole in comminuted patellar fractures S531
Dept. of Orthop. Surg., Severance Hosp., Yonsei Univ. College of Medicine, Seoul, Republic of Korea
Young-Chang Park
- 2-3-KT3-2 Effectiveness of a Post-Debridement culture based protocol multi-staged Induced membrane treatment of osteomyelitis and Infected nonunions ... S532
Dept. of Orthop. Surg., Korea Univ. Guro Hosp., Republic of Korea Wonseok Choi
- 2-3-KT3-3 Use of Lesser Trochanter Profile as a Rotational Alignment Guide in Intramedullary Nailing for Femoral Shaft Fracture S533
Jeonbuk National Univ. Hosp. Tae-Young Kwon
- 2-3-KT3-4 Temporary Vascular Shunt (TVS) is an effective technique to a mangled extremity with vascular injury for limb salvage S534
Armed Forces Trauma Center, Armed Forces Capital Hosp. Joosuk Ahn
- 2-3-KT3-5 A multicenter study of factors affecting nonunion by radiographic analysis after intramedullary nailing in segmental femoral shaft fractures S535
Graduate School of Medicine, Hanyang Univ., Seoul Incheol Kook
- 2-3-KT3-6 Treatment of avulsed patellar inferior pole comminuted fracture using suture bridge technique S536
Daejeon St. Mary Hosp., Catholic Univ. of Korea Dongwhan Suh
- 2-3-KT3-7 TBA S539
Orthop. Dept., E-Da Hosp., Taiwan Hsing-Chier Hsueh
- 2-3-KT3-8 TBA S540
Dept. of Orthop., Linkou Chang Gung Memorial Hosp., Taoyuan, Taiwan Po-Ju Lai

Day2 • Room 4 (10F 1001-1)

Morning Seminar 4

(7 : 30~8 : 30)

Chair: K. Kinugasa

2-4-MS4-1 Best solution for 360° Ankle Fracture: Tips on surgical treatment for lateral and medial malleolus fractures S547
 Dept. of Orthop. Surg., Konan Medical Center Yu Sasaki

2-4-MS4-2 Best solution for 360° Ankle Fracture: Morphology and Treatment Strategy for the Posterior Malleolus Fracture S548
 Dept. of Musculoskeletal Traumatology, Faculty of Medicine, Dentistry and Pharmaceutical Sciences, Okayama Univ. Masanori Yorimitsu

Presentations related to Symposium 7① CLAP (Continuous Local Antibiotics Perfusion) ①

(8 : 35~9 : 15)

Chair: K. Kosugi

2-4-SR7-1 Is preventive CLAP (Continuous Local Antibiotics Perfusion) effective for open fracture of Gustilo type 3? S86
 Emergency & Critical Care Center, Univ. of Kyushu, Fukuoka, Japan Tomoya Nawata

2-4-SR7-2 Is Prophylactic CLAP (Continuous Local Antibiotics Perfusion) for Gustilo Classification Type IIIB Open Fractures Effective for Deep Surgical Site Infection? S86
 Dept. of Emergency and Clitical Care Medicine, Saitama Medical Univ. Hokuto Morii

2-4-SR7-3 Continuous local antibiotics perfusion for infection prevention of open fractures S87
 Dept. of Orthop. Surg., Uji-Tokusyukai Medical Center, Kyoto, Japan Manabu Arai

2-4-SR7-4 Influence of high antibiotic concentrations on bone marrow-derived cells ... S87
 Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine, Kobe, Japan Yuya Yamamoto

2-4-SR7-5 Evaluation of efficacy and safety in continuous local antibiotics perfusion (CLAP) for fracture-related infections: a multi-center study S88
 Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan / CLAP Research Group Shunsuke Takahara

Day 2
Room 3

Day 2
Room 4

Presentations related to Symposium 7② CLAP (Continuous Local Antibiotics Perfusion) ②
(9 : 25~10 : 05)

Chair: Y. Matsuura

- 2-4-SR7-6 Treatment of fracture-related infection (FRI) caused by methicillin-resistant bacterium with continuous local antibiotics perfusion (CLAP) S89
 Dept. of Orthop., Hyogo Prefectural Harima-Himeji General Medical Center Daiya Kitazawa
- 2-4-SR7-7 Treatment results of early-stage infection after artificial head replacement surgery with continuous local antibiotics perfusion S89
 Japanese Red Cross Asahikawa Hosp., Asahikawa, Japan Masahito Tanaka
- 2-4-SR7-8 Continuous local antibiotics perfusion for fracture-related infections on fracture healing and medical cost S90
 Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan Shunsuke Takahara
- 2-4-SR7-9 Treatment of continuous local antibiotics perfusion (CLAP) for chronic osteomyelitis in our hospital S90
 Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine Keisuke Oe
- 2-4-SR7-10 Experience with One-Stage Implant Replacement after Cleaning and Debridement in fracture related infection S91
 Dept. of Emergency Medicine, Univ. of Occupational and Environmental Health, Fukuoka, Japan Daichi Shinohara

Main Theme27 Unstable trochanteric femur fractures (posterolateral fragment)

(10 : 10~10 : 50)

Chair: I. Nakayama

- 2-4-MT27-1 Fixation of posterior lateral fragment of trochanteric femoral fractures -A comparative study in 208 cases- S269
 Dept. of Orthop. Surg., Kainan Hosp., Yatomi, Japan Naoya Takada
- 2-4-MT27-2 An innovative method to speculate AO/OTA fracture classification for petrochanteric fractures S270
 Dept. of Orthop., Nishi Hosp. Mitsuaki Noda
- 2-4-MT27-3 Does the presence of posterior lateral fragments at femoral trochanteric fracture affect postoperative walking ability?Effect of S270
 Dept. of Orthop., Saiseikai Otaru Hosp. Hiroki Kondo
- 2-4-MT27-4 OLSA can reduce reduction loss of femoral trochanteric fracture? S271
 Sainokuni Higashiomiya Medical Center Osamu Yoshida
- 2-4-MT27-5 The Effect of using OLSA for unstable femoral trochanteric fractures on the Duration of Rehabilitation S271
 Kanazawa Hosp. Masaya Mizutani
- 2-4-MT27-6 Experience with APOLLOFIX for intertrochanteric fracture with posterolateral fragments S272
 Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp. Toshiki Shima

Video Presentation

(10 : 55~11 : 45)

Chair: T. Hoshi

- 2-4-VP-1 Treatment of Patellar Fractures by Percutaneous Strong Suture
Technique S190
Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan / Dept. of Orthop. Surg., Tokyo-Rosai
Hosp., Tokyo, Japan Shinnosuke Hada
- 2-4-VP-2 Antegrade intramedullary Kirschner wire reduction and fixation of metatarsal
fractures S191
Dept. of Traumatology, Fukushima Medical Univ. / Trauma & Reconstruction Center, Southern TOHOKU
General Hosp. Shota Harada
- 2-4-VP-3 Percutaneous screw fixation using a 3D image analysis workstation for pelvic
ring fracture S192
Dept. of Orthop. Surg., Kainan Hosp. Aichi Prefectural Welfare Federation of Agricultural Cooperatives,
Yatomi, Japan Hidetoshi Iwata
- 2-4-VP-4 Corrective TLIF with LLIF cage in L5/S1 S193
Dept. of Orthop. Surg., Juntendo Univ. Shizuoka Hosp., Shizuoka Akira Itoi
- 2-4-VP-5 Fixation of posterior lateral fragment of trochanteric femoral fractures using
OLSA -a retrospective study of 163 cases- S194
Dept. of Orthop. Surg., Kainan Hosp., Yatomi, Japan Naoya Takada

Noontime Lecture 12

(12 : 00~13 : 00)

Chair: T. Fukuhara

- 2-4-NL12-1 Project 48 - Efforts and future issues for early surgery for hip fracture in
advanced emergency hospitals - S567
Saiseikai Kumamoto Hosp. Yoshihisa Anraku
- 2-4-NL12-2 Reform of Work Styles: Task Shift and Sharing Hip Fracture: Prevention of
Secondary Fractures by Multidisciplinary Workers- S568
Kitakyushu General Hosp. Fumio Fukuda

Panel Discussion6 Pediatric Supra-Condylar Humerus Fracture - My Style

(13 : 10~14 : 40)

Chair: S. Iwabu

- 2-4-PD6-1 Release method of the brachial muscle penetration of the proximal fragment spike in displaced supracondylar humerus fractures in children S174
Dept. of Orthop. Surg., Saiseikai Utsunomiya Hosp. Shohei Iwabu
- 2-4-PD6-2 Treatment for humeral supracondylar fracture: supine vs prone position S175
Orthop. Surg., Sakai City Medical Center, Osaka, Japan Toshiyuki Kataoka
- 2-4-PD6-3 Kamakura Method S176
Shonan Kamakura General Hosp. Trauma Center Masahiro Ichihashi
- 2-4-PD6-4 A report on the process leading up to the current treatment strategy for supracondylar fractures of the humerus S177
Dept. of Orthop., Tokyo Metropolitan Children's Medical Center Norikazu Ota

Presentations related to Panel Discussion 6 Supracondylar fractures of the distal humerus in children

(14 : 50~15 : 50)

Chair: K. Murata

- 2-4-PR6-1 Epidemiology and clinical feature of supracondylar fracture of the humerus in children S178
Dept. of Orthop. Surg., Saitama Children's Medical Center Naho Nemoto
- 2-4-PR6-2 Lateral reverse cross fixation for supracondylar humeral fracture in children S178
Dept. of Orthop. Surg., Iwate Medical Univ., Iwate, Japan Kotaro Sato
- 2-4-PR6-3 Percutaneous pinning through the elbow joint for pediatric supracondylar humerus fractures S179
Dept. of Orthop. Surg., Kainan Hosp. Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Yatomi, Japan Hidetoshi Iwata
- 2-4-PR6-4 The association between the types of pinning and biomechanical stability in the humeral supracondylar fractures of the children S179
Dept. of Human Enhancement and Hand Surg., Nagoya Univ., Nagoya, Japan Hidemasa Yoneda
- 2-4-PR6-5 Strategy for Surgical Treatment of Supracondylar Fractures of the Humerus in Children with pucker sign S180
Dept. of Orthop. Surg., Kansai Medical Univ. Hosp. Emergency Medical Center, Osaka, Japan / Dept. of Orthop. Surg., Kansai Medical Univ. Hosp., Osaka, Japan Takuma Yagura
- 2-4-PR6-6 Screening by thermography for pink pulseless hand in pediatric supracondylar humeral fractures S180
Dept. of Orthop. and Trauma Research, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ., Tokyo, Japan Yoto Oh
- 2-4-PR6-7 The level of free thyroxine (FT4) is increased in the patients of Gartland classification type 3 in pediatric humeral supracondylar fractures..... S181
Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan Norizumi Imazu

Presentations related to Symposium 10 Acetabular fractures

(16 : 00~17 : 00)

Chair: S. Kanezaki

- 2-4-SR10-1 Direction and length of screws inserted in most proximal screw holes of pelvic
brim plate using anterior intrapelvic approach..... S115
Tokyo Metropolitan Tama Medical Center Toru Iga
- 2-4-SR10-2 Preventive use of intra-aortic balloon occlusion (IABO) for controlling
intraoperative blood loss during anterior approach of the acetabular fracture;
case series S115
Acute Trauma and Critical Care Center, Oita Univ. Hosp., Oita, Japan Shozo Kanezaki
- 2-4-SR10-3 Anatomical study of the modified direct posterior gluteal splitting approach for
acetabular fracture..... S116
Advanced Emergency Medical Service Center, Kurume Univ. Hosp. Toru Matsugaki
- 2-4-SR10-4 Spring locking plate fixation using locking mesh plate/box plate for posterior
wall fractures of acetabulum S116
Dept. of Orthop. Surg., Toyohashi Municipal Hosp., Aichi, Japan Ryutaro Shibata
- 2-4-SR10-5 Characteristics and current situation of acetabular fractures in elderly people
aged 70 and over in our hospital..... S117
Ibaraki Seinan Medical Center Hosp. Satoshi Matsuura
- 2-4-SR10-6 The result of surgical treatment for geriatric acetabular fracture
(over 80 years) S117
Dept. of Emergency Orthop. Trauma Surg., Fujita Health Univ. Hosp. Masahiro Yoshida
- 2-4-SR10-7 Acute total hip arthroplasty improves early functional outcome in patients
with elderly acetabular fractures with multiple poor prognostic factors ... S118
Dept. of Emergency and Critical Care Medicine, Saitama Medical Center, Japan Yasuhisa Ueda

Day2 • Room 5 (10F 1001-2)

Morning Seminar 5

(7 : 30~8 : 30)

Chair: Y. Iwase

- 2-5-MS5-1 Perfect reduction of distal radius fracture S549
Dept. of Orthop. Surg., Japanese Red Cross Hamamatsu Hosp. Hiroaki Ogihara

Main Theme19 Fragility fractures of the pelvis (FFP) ①

(8 : 35~9 : 15)

Chair: H. Irifune

- 2-5-MT19-1 Short-term outcome of FFP treated with surgery S244
Dept. of Emergency Orthop. Trauma Surg., Fujita Health Univ. Hosp. Masahiro Yoshida
- 2-5-MT19-2 Investigation of Factors Influencing Decline in Ability to Walk After Fragility Fractures of the Pelvic ring..... S245
Dept. of Orthop. Surg., School of Medicine, Jichi Medical Univ., Shimotsuke, Japan Jiro Ando
- 2-5-MT19-3 Postoperative ADL recovery for Fragility Fractures of the Pelvis operated more than one month after the injury S245
Dept. of Orthop. Surg., Oita Univ., Oita, Japan Akihiro Hino
- 2-5-MT19-4 Is trans-iliac rod fixation effective for FFP? S246
Dept. of Orthop., Kobe City Medical Center General Hosp., Hyogo, Japan Satoshi Ota
- 2-5-MT19-5 Comparison of postoperative outcomes between superior pubic ramus screw fixation and plate fixation for fragility fractures of the pelvis S246
Dept. of Orthop. Surg., Keisuiikai Kanazawa Hosp., Yokohama, Japan /
Dept. of Orthop. Surg., Tokyo Saiseikai Central Hosp., Tokyo, Japan Ryo Ogawa
- 2-5-MT19-6 Comparison of conservative therapy and percutaneous screw fixation for fragility fracture of the pelvis..... S247
Dept. of Orthop. Surg., Chubu Tokushukai Hosp., Okinawa, Japan Mika Takaesu

Main Theme20 Fragility fractures of the pelvis (FFP) ②

(9 : 25~10 : 05)

Chair: Y. Obara

- 2-5-MT20-1 The study of clinical practice for fragility fractures of the pelvis using systematic review S247
Morikawa Orthop. Practice Keizo Morikawa
- 2-5-MT20-2 Protocol-based treatment strategies for Fragility Fractures of the Pelvis (FFPs) S248
Oomagari Kosei Medical Center Yosuke Iwamoto
- 2-5-MT20-3 A study of the effectiveness of dual energy CT in the diagnosis of sacral fracture S248
Dept. of Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp., Nishinomiya, Japan Takahiro Oda
- 2-5-MT20-4 Evaluation of dynamic instability in a multicenter study of fragility fracture of pelvis using lateral supine CT technique S249
Dept. of Emergency, Univ. Hosp. of Occupational and Environmental Health, Fukuoka Japan Yasuaki Okada
- 2-5-MT20-5 Prognostic prediction of fragility fractures of the pelvis using MRI S249
Dept. Orthop., Seirei Yokohama General Hosp., Yokohama, Japan Mitsutoshi Ota
- 2-5-MT20-6 The influence of pelvic inclination in Rommens type 4b of fragility fractures of the pelvis - which cases can be treated conservatively? S250
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan / Dept. of Orthop. Surg., Kyoto Kizugawa Hosp., Kyoto, Japan Naoyuki Horie

Main Theme21 Pelvic ring fracture complications

(10 : 15~10 : 55)

Chair: T. Matsugaki

- 2-5-MT21-1 Predictors of extravasation associated with pelvic fractures S250
National Hospital Organization, Kanmon Medical Center Takanori Yonehara
- 2-5-MT21-2 IVR on the day before surgery reduces blood loss in the anterior approach of acetabular fracture S251
Sakai City Medical Center, Osaka, Japan Masanori Kawamoto
- 2-5-MT21-3 Influence of delayed diagnosis and treatment strategy of bladder rupture associated with pelvic ring fractures on the clinical course S251
Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan Tomohiro Date
- 2-5-MT21-4 Bladder and rectal injuries associated with pelvic fractures S252
Hyogo Emergency Medical Center, Hyogo, Japan Ryowa Mineo
- 2-5-MT21-5 Transverse process fracture of the lumbar vertebrae indicates concomitant abdominal injuries in unstable pelvic ring fracture S252
Dept. of Emergency Medicine, Kyorin Univ. School of Medicine / Dept. of Orthop. Surg., Kyorin Univ. School of Medicine Narisaku Inada
- 2-5-MT21-6 Retrospective analysis of combined pelvic and acetabular injuries S253
Maebashi Red Cross Hosp. / Fukaya Red Cross Hosp. Kenichi Nagano

Main Theme22 Atypical femoral fractures

(11 : 05~11 : 45)

Chair: K. Morikawa

- 2-5-MT22-1 Scientific proposal to treatment of occult femoral fracture based on finite element analysis S253
Dept. of Orthop., Nishi Hosp. Mitsuaki Noda
- 2-5-MT22-2 A retrospective cohort study on treatment outcomes between atypical femoral fractures with and without bone-modifying drugs for cancer bone metastasis S254
Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine, Kobe, Japan Tomoaki Fukui
- 2-5-MT22-3 Bone and mineral metabolism in atypical femoral fractured patients with rheumatoid arthritis: a case series..... S254
Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan Shotaro Nakamura
- 2-5-MT22-4 A case of bilateral atypical femoral fracture in a patient with osteogenesis imperfecta S255
Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp. Toshiki Shima
- 2-5-MT22-5 A study of patients with unsatisfactory postoperative treatment results for atypical femoral fractures S255
Orthop., Koto Hosp., Tokyo, Japan Hironobu Sato
- 2-5-MT22-6 Verification of predictive factors associated with nonunion in complete atypical femoral fractures..... S256
Orthop. Surg., Extremity Trauma Care Center, Osaka General Medical Center, Osaka, Japan Tatsuji Fujiwara

Noontime Lecture 13

(12 : 00~13 : 00)

Chair: M. Tokunaga

- 2-5-NL13-1 Superiority of Twin Hook in femoral intramedullary nail treatment for trochanteric fractures: a biomechanical evaluation S569
Dept. of Orthop. Surg., Oyumino Central Hosp., Chiba, Japan Takayuki Nakajima
- 2-5-NL13-2 Do you want to use a hook? Try to make a notch? Experience nail system with a third head element S570
Dept. of Orthop., Kyushu Rosai Hosp., Fukuoka, Japan Tatsuya Mori

Main Theme23 Patellar fractures

(13 : 10~14 : 00)

Chair: K. Kuriyama

- 2-5-MT23-1 Clinical results of the surgical therapy for the patella fracture in our hospital S256
Dept. of Orthop., Tosei General Hosp., Aichi, Japan Naoya Imura
- 2-5-MT23-2 Treatment of displaced patella fractures: Tension band wiring technique with
the one-end or both-ends K-wire bending fixation method:
A retrospective multicenter (TRON group) study S257
Nagoya Univ. Hosp. Oki Arakawa
- 2-5-MT23-3 Patellar fracture (AO34C1.1) is a risk factor of implant failure S257
Orthop. Surg., Sanmu Medical Center, Chiba, Japan Takuto Takeda
- 2-5-MT23-4 Comparison of Eisernes Kreuz method for comminuted patella fractures with
TBW method and himawari method S258
Dept. of Orthop. Surg., Trauma and Microsurgery Center, Toyohashi Municipal Hosp., Toyohashi, Japan
Miku Mitsuya
- 2-5-MT23-5 Ingenuity of our hospital for patella comminuted fracture S258
Nagasaki Medical Center Keita Yamaguchi
- 2-5-MT23-7 Treatment of patella fracture using Krackow suture S259
Omihachiman Community Medical Center Akira Nakamura
- 2-5-MT23-8 Treatment of inferior pole patella sleeve fracture using Krackow suture S259
Kasugai City Hosp. Hiroki Wakamatsu

Main Theme24 Intramedullary tibial nail

(14 : 10~14 : 40)

Chair: S. Uta

- 2-5-MT24-1 Alignment after intramedullary nailing of distal tibia fractures associated with fibula fractures at the same level S260
Okayama Saiseikai General Hosp. Toshiaki Kohara
- 2-5-MT24-2 Examination of poor reduction factors in distal tibial shaft fractures S260
Nagoya Medical Center Yusuke Iesaki
- 2-5-MT24-3 Two case reports of chronic osteomyelitis after tibial shaft open fracture requiring correction of rotational malalignment: negative effect of intramedullary nailing by infra patellar approach? S261
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan
Shun Fujii
- 2-5-MT24-4 A Method for measuring tibia rotation with lateral view of C-arm during surgery for tibia nailing S261
Dept. of Orthop. Surg., Okayama City Hosp., Okayama, Japan Yo Kinami
- 2-5-MT24-5 Experience of intramedullary nailing using T2alpha for proximal and distal tibial fractures S262
Dept. of Orthop. Surg., Okayama Saiseikai Hosp. Shintaro Hikasa

Main Theme25 Fractures of talus/calcaneus

(14 : 50~15 : 35)

Chair: T. Doi

- 2-5-MT25-1 A case of single talus fracture with subtalar dislocation S262
Dept. of Orthop. Surg., Iiduka Hosp., Fukuoka, Japan Yusuke Kubo
- 2-5-MT25-2 Open reduction for bilateral comminuted compression fractures of the body of talus on the different postoperative days S263
Dept. of Orthop. Surg., National Hospital Organization Kyoto Medical Center, Kyoto, Japan Hiroshi Yamamoto
- 2-5-MT25-3 Intraosseous stress distribution of calcaneus operated by intramedullary absorbable implant fixation S263
Dept. of Orthop. Surg., Kenwakai Otemachi Hosp. Tetsu Tsubone
- 2-5-MT25-4 Anatomical landmarks for optimal screw placement on the sustentaculum tail using 3DCT S264
Dept. of Orthop. Surg., Okayama Univ. Graduate School of Medicine, Dentistry Shiro Fukuoka
- 2-5-MT25-5 Treatment Outcomes of Small Invasive Plate Fixation of Calcaneal Fractures: Case Series with Comparison between Elderly (≥ 65 years) and Younger (< 65 years) Patients S264
Dept. of Orthop. Surg., Trauma Center, Saga-Ken Medical Centre Koseikan, Saga, Japan Nobuaki Tsukamoto
- 2-5-MT25-6 Clinical results of surgical management for calcaneal avulsion fractures... S265
Dept. of Orthop. Surgery, Fukuyama City Hosp., Hiroshima, Japan Takahiro Toriyama
- 2-5-MT25-7 Clinical outcome of calcaneal osteotomy for malunited calcaneal fracture with dysfunction of triceps surae muscle S265
Dept. of Orthop. Surg., Chikamori Hosp., Kochi, Japan Yukinobu Nishii

Main Theme26 Temporary external fixation, etc.

(15 : 45~16 : 30)

Chair: K. Nozaka

- 2-5-MT26-1 Temporary external fixation as a local damage control in the upper extremity trauma S266
Trauma and Reconstruction Center, Shinyurigaoka General Hosp. Hiroshi Takamure
- 2-5-MT26-2 The importance of the Makino traction (the temporary external fixation) for damage control S266
Dept. of Orthop. Surg., Seireimikatahara Hosp., Shizuoka, Japan Hironobu Bito
- 2-5-MT26-3 Temporary external fixation for the management of complex fractures of the elbow and knee S267
Saga-Ken Medical Centre Koseikan Norihiro Komiya
- 2-5-MT26-4 Temporary external fixation for the distal radius fracture S267
Orthop. Surg., Mito Medical Center, Ibaraki, Japan Junichiro Morita
- 2-5-MT26-5 Temporary external fixation for tibial and ankle fractures using ring external fixator S268
Dept. of Orthop. Surg., Kainan Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Yatomi, Japan Takahito Yamada
- 2-5-MT26-6 The role of a ring external fixator in lower extremity trauma:
A review of 119 cases S268
Dept. of Orthop. Surg., Showa Univ. Fujigaoka Hosp., Yokohama, Japan Tomohiro Yasuda
- 2-5-MT26-7 Outcome of lower extremity bone lengthening with external fixator S269
Orthop. Surg., Univ. of Kurume, Fukuoka, Japan Mitsuhiro Matsuura

Day2 • Room 6 (11F Conference Hall "Winds")

Morning Seminar 6

(7 : 30~8 : 30)

Chair: M. Ito

- 2-6-MS6-1 Bipolar hemiarthroplasty via safe anterior approach with fracture table. What is SAAF? S550
Dept. of Medicine for Orthop. and Motor Organ, Graduate School of Medicine, Juntendo Univ. / Dept. of Orthop., Faculty of Medicine, Juntendo Univ. Tomonori Baba

Presentations related to Panel Discussion 2① Displaced femoral neck fractures ①

(8 : 35~9 : 15)

Chair: K. Asami

- 2-6-PR2-1 Walking function and muscle recovery after bipolar hip arthroplasty using SuperPATH approach S140
Niigata Medical Center Yuya Majima
- 2-6-PR2-2 Does surgical experience affect the surgical outcomes and mortality in hemiarthroplasty with a direct anterior approach? S140
Handa Municipal Handa Hosp. Kenta Naito
- 2-6-PR2-3 A report on the short-term clinical results of the anterolateral supine approach in bipolar hip arthroplasty S141
Miyazaki Medical Association Hosp., Miyazaki, Japan Takafumi Kitabori
- 2-6-PR2-4 Bipolar hemiarthroplasty with Anterior Minimally Invasive Surgery (AMIS) achieves fast recovery and less complication S141
Dept. of Orthop. Surg., Tominaga Hosp. Hirohiko Yasui
- 2-6-PR2-5 Safety and learning curve of artificial femoral head replacement by conjoined tendon preserving posterior approach method beginners S142
Dept. of Orthop. Surg., Tokyo Hikifune Hosp., Tokyo, Japan Kensaku Hamamoto

Day 2
Room 5

Day 2
Room 6

Presentations related to Panel Discussion 2② Displaced femoral neck fractures ②

(9 : 25~10 : 00)

Chair: M. Yoshida

- 2-6-PR2-6 Stem selection using 3D template for BHA of elderly patient
-Short Taper wedge stem or Cemented stem- S143
Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine Yuta Shimizu
- 2-6-PR2-7 Comparison of complications of hemiarthroplasty with cemented and
cementless stem in femoral neck fracture S143
Dept. of Orthop., Yamaguchi Red Cross Hosp. Daiki Hama
- 2-6-PR2-8 Postoperative results of Bipolar Hip Arthroplasty for elderly femoral neck
fracture using full HA stem S144
Chikamori Hosp., Orthop. Dept. Shinjiro Yokota
- 2-6-PR2-9 Hemiarthroplasty with collared fully hydroxyapatite coated stem through CPP
approach for displaced femoral neck fractures in elderly patients S144
Dept. of Joint Replacement Surg., Kouseiren Takaoka Hosp., Takaoka, Japan Daigo Sakagoshi

Presentations related to Panel Discussion 5 Calcaneal fractures

(10 : 05~10 : 55)

Chair: K. Sasajima

- 2-6-PR5-1 Surgical outcome of calcaneal fracture combined with Omoto Technique on
admission S170
Advanced Critical Care Center, Univ. of Gifu, Japan Yosuke Mizuno
- 2-6-PR5-2 A Staged Screw Fixation for calcaneal fractureas S170
Showa Univ. Fujigaoka Hosp. Ryu Igaki
- 2-6-PR5-3 Knack and pitfalls of locking plate fixation with sinus tarsi approach for
calcaneal fractures S171
Dept. of Traumatology, Fukushima Medical Univ., Fukushima, Japan /
Trauma & Reconstruction Center, Southern TOHOKU General Hosp. Motoyuki Takaki
- 2-6-PR5-4 Clinical results of minimally invasive plate osteosynthesis for intra-articular
calcaneal fracture using direct lateral incision S171
Dept. of Orthop. Surg., Suzuka General Hosp. Yuichiro Nakayama
- 2-6-PR5-5 Complication Incidence of MIS Plate in Calcaneal Fracture S172
Yokohama City Univ. Medical Center Takahiro Fujimori
- 2-6-PR5-6 The evaluation of soft tissue complications following the extensile lateral
approach in intra-articular fracture of calcaneus S172
Dept. of Orthop., Hokusetsu General Hosp., Osaka, Japan Choman Ryu

Main Theme28 Subtrochanteric femur fractures

(11 : 05~11 : 30)

Chair: K. Ogawa

- 2-6-MT28-1 The treatment of subtrochanteric femoral fracture by intramedullary nail with reduction plate..... S272
Hito Hosp., Shikokuchuou, Japan Masaki Nakasuka
- 2-6-MT28-2 Treatment of subtrochanteric fractures of the femur in lateral position with intramedullary nail after locking plate fixation S273
Dept. of Trauma Reconstruction Surg. Center, Sinyurigaoka General Hosp. Masato Toyonaga
- 2-6-MT28-3 Greater Trochanteric Entry Intramedullary Nail Fixation Through Trochanteric Fossa for Subtrochanteric Femoral Fractures and Atypical Femoral Fractures S273
Orthop. Dept., Misawa City Hosp., Aomori, Japan Shuya Nohmi
- 2-6-MT28-4 The risk factor of femoral malrotation after antegrade intramedullary nailing: A lesser trochanter fragment is a risk factor of malrotation..... S274
Dept. of Orthop. Surg., Kochi I Health Sciences Center, Kochi, Japan Ryuichiro Okuda

Noontime Lecture 14

(12 : 00~13 : 00)

Chair: S. Soen

- 2-6-NL14-1 Can we really reduce the risk for osteoporotic fragility fracture by the treatment of osteoporosis? S571
Dept. of Medicine for Orthop. and Motor Organ, Juntendo Univ. Graduate School of Medicine /
Dept. of Orthop., Faculty of Medicine, Juntendo Univ. Muneaki Ishijima

Main Theme29 Severe extremity trauma

(13 : 10~13 : 55)

Chair: S. Hatashita

- 2-6-MT29-1 The Importance of Initial Treatment in Severe Extremity Trauma S274
Dept. of Orthop. Trauma Center, Yonemori Hosp., Kagoshima, Japan Tatsuhiko Muraoka
- 2-6-MT29-2 Development of clinical prediction model for deep infection after open
long-bone fractures in Japan using DOT-J data S275
Dept. of Orthop. Surg., Teikyo Univ. School of Medicine, Tokyo, Japan /
Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Takahiro Inui
- 2-6-MT29-3 Early total reconstruction for mangled forearm injuries S275
Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Kanako Tsuihiji
- 2-6-MT29-4 Immediate Intramedullary Nail Fixation within 24 Hours of Injury for Open
Tibial Shaft Fracture S276
Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine,
Hokkaido Univ. Taro Fukushima
- 2-6-MT29-5 Vascularized scapular bone graft for bone defect after Gustilo IIIB/IIIC open
fracture of the lower leg S276
Dept. of Orthop. Surg., Kagoshima City Hosp., Kagoshima, Japan Ayumi Amatatsu
- 2-6-MT29-6 Risk factors for vascular compromise after free tissue transfer in trauma cases
..... S277
Dept. of Musculoskeletal Traumatology and Reconstructive Surg., Hiroshima Univ. Rikuo Shinomiya
- 2-6-MT29-7 Epidemiology of pediatric open fractures: A 16-year retrospective,
single-center study S277
Ishikawa Prefectural Central Hosp. Seigo Suganuma

Main Theme30 Artificial bone

(14 : 00~14 : 25)

Chair: T. Okuda

- 2-6-MT30-1 Column-shaped HA-PLLA as artificial bone; intramedullary strut augmentation
in 4-part proximal humeral fractures S278
Orthop. Trauma Reconstruction Center, Hyogo Prefectural Nishinomiya Hosp. Shimpei Kitada
- 2-6-MT30-2 Fracture treatment using hydroxyapatite screw fixation prosthesis in
osteoporotic fragility fractures in the elderly S278
Dept. of Orthop. Surg., Nokami Kosei General Hosp., Wakayama, Japan Takuji Matsumoto
- 2-6-MT30-3 Demineralized bone matrix (Grafton) : Clinical efficacy in the treatment of
fractures S279
Dept. of Orthop. Surg., Keijinkai Shiroyama Hosp. /
Dept. of Orthop. Surg., Showa Univ. School of Medicine Sang Yang Lee
- 2-6-MT30-4 Results of phase I/II clinical trial of BMP-2/artificial bone composite for
patients of long bone fracture nonunions S279
Dept. of Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp. Takahiro Niikura

Main Theme31 Proximal femoral fractures①

(14 : 30~15 : 10)

Chair: T. Ishikawa

- 2-6-MT31-1 Investigation of factors that inhibit the achievement of surgery within 48 hours after hip fracture..... S280
Trauma Center, Toranomom Hosp., Tokyo, Japan Shigeaki Endo
- 2-6-MT31-2 Changes in waiting time for surgery and awareness of secondary fracture prevention with the introduction of an addition for early surgery for proximal femur fractures S280
Kyushu Rosai Hosp., Dept. of Orthop. Surg., Fukuoka, Japan Tatsuya Mori
- 2-6-MT31-3 Revision of the clinical pathway for the secondary fracture prevention ... S281
Dept. of Orthop., Musashino Red Cross Hosp. Yoshiyasu Kokubo
- 2-6-MT31-4 About the current situation of our hospital for secondary femoral proximal fracture prevention follow-up charge S281
Kainan Hosp. Keisuke Hoshino
- 2-6-MT31-5 Attempt of Regional Comprehensive Liaison Services to prevent secondary fragility fracture S282
Kouseiren Takaoka Hosp., Toyama, Japan Manase Nishimura
- 2-6-MT31-6 The status of acquisition of secondary fracture prevention management fee and additional fee for emergent fixation for hip fracture at our hip fracture center S282
Dept. of Orthop. Surg., Akashi Medical Center, Akashi, Japan Takahiro Waki

Main Theme32 Proximal femoral fractures②

(15 : 15~15 : 55)

Chair: N. Takigawa

- 2-6-MT32-1 Effects of fracture liaison service for proximal femoral fracture in our hospital S283
Chubu Tokushukai Hosp., Okinawa, Japan Yuta Miyashi
- 2-6-MT32-2 One year osteoporosis treatment rate of fracture liaison service for hip fracture in coronavirus pandemic S283
Kushiro City General Hosp. Shun Shimodan
- 2-6-MT32-3 Multidisciplinary collaboration can improve osteoporosis treatment and emergency surgery rates for hip fractures..... S284
Dept. of Orthop. Surg., Miyoshi Central Hosp. Koji Natsu
- 2-6-MT32-4 Outcomes of osteoporosis liaison service for patients with hip fracture ... S284
Takasago Municipal Hosp. Minami Matsuhashi
- 2-6-MT32-5 Persistence with denosumab therapy in patients with hip fractures who started during hospitalization S285
Dept. of Orthop. Surg., Keijinkai Shiroyama Hosp. /
Dept. of Orthop. Surg., Showa Univ. School of Medicine Sang Yang Lee
- 2-6-MT32-6 A study of treatment of proximal femur fractures in elderly patients at a university hospital in the city center: Consolidation of high-risk cases with severe comorbidities and attempts at multidisciplinary treatment S285
Dept. of Joint Surg. and Sports Medicine, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ., Tokyo, Japan Yusuke Amano

Main Theme33 Proximal femoral fractures③

(16 : 00~16 : 30)

Chair: A. Oizumi

- 2-6-MT33-1 A study of walking ability of elderly patients with proximal femoral fracture one month after hospitalization S286
Dept. of Orthop., Haga Red Cross Hosp., Tochigi, Japan Mitsuharu Nakashima
- 2-6-MT33-2 Proximal Femoral Fractures
~Walking acquisition rate by dementia grade~ S286
Kitakyushu General Hosp., Fukuoka, Japan Goki Hayashi
- 2-6-MT33-3 Assessment of secondary femur proximal fracture S287
Itami City Hosp., Hyogo, Japan Atsuki Ohno
- 2-6-MT33-4 Mortality rate after secondary femur proximal fracture S287
Sakai Medical Center, Orthop. Surg., Sakai, Japan Ikko Ohno
- 2-6-MT33-5 Relationship between zinc deficiency and osteoporotic fracture risk..... S288
Sapporo Central Hosp., Sapporo, Japan Wataru Hatanaka

Day2 • Room A (9F 910)

Noontime Lecture 15

(12 : 00~13 : 00)

Chair: H. Nonomiya

- 2-A-NL15-1 Management of bone metastasis in cancer patients with pathologic fracture
..... S572
Dept. of Orthop., Rehabilitation Medicine, Palliative Care Center Tatsuya Takagi
- 2-A-NL15-2 Treatment strategy of long bone metastasis for orthopaedic trauma surgeons
..... S573
Dept. of Orthop. Surg. and Traumatology, Kawasaki Medical School General Medical Center
Tomoyuki Noda

Young Surgeons Session 4 TE-RA-KO-YA messages to the next generation in common fracture care

(15 : 10~17 : 10)

Chair: S. Tsutsui

Distal radius fractures S510

2-A-YS4-1

Dept. of Orthop., Showa Univ., Northern Yokohama Hosp., Kanagawa, Japan Sadaaki Tsutsui

2-A-YS4-2

Dept. of Plastic and Reconstructive Surg., Chang Gung Memorial Hosp., Taiwan /
Dept. of Orthop., Ogori Daiichi General Hosp. Kota Hayashi

2-A-YS4-3

Dept. of Orthop., Osaka City General Hosp., Osaka, Japan Keisuke Suzuki

Unstable trochanteric femur fractures S510

2-A-YS4-4

Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Ryo Sato

2-A-YS4-5

Div. of Orthop. Trauma Center, Sapporo Tokushukai Hosp., Hokkaido, Japan Hirotada Matsui

2-A-YS4-6

Traumatology and Reconstructive Surg. Center, Aizu Chuo Hosp., Fukushima, Japan
Kotaro Sorimachi

Ankle fractures S510

2-A-YS4-7

Dept. of Reconstructive Microsurgery and Traumatology, Hiroshima Univ., Hiroshima, Japan
Yuta Hayashi

2-A-YS4-8

Trauma Center, Shonan Kamakura General Hosp., Kanagawa, Japan Takashi Ogawa

2-A-YS4-9

Advanced Critical Care and Emergency Center, Yokohama City Univ. Medical Center, Kanagawa, Japan
Masahiro Matsumoto

Diaphyseal humerus fractures S510

2-A-YS4-10

Dept. of Orthop., Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Tomoko Wakejima

2-A-YS4-11

Dept. of Orthop., Juntendo Univ. Shizuoka Hosp., Shizuoka, Japan Wataru Kihara

2-A-YS4-12

Hand Surg. & Trauma Reconstruction Center, Juntendo Univ. Urayasu Hosp., Chiba, Japan
Masao Suzuki

Day2 • Room B (9F 904)

<p>Multi Purpose Room 5 New issues in the bone fracture - fragility fractures, periprosthetic fractures, and pathological fractures</p> <p>(8 : 40~10 : 10)</p>	<p>Chairs: T. Miyamoto K. Taguchi</p>
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|-----------|---|------|
| 2-B-MP5-1 | | S580 |
| | Nagasaki Medical Center Takashi Miyamoto | |
| 2-B-MP5-2 | | S580 |
| | Nagasaki Univ. Hosp. Trauma Center Kenji Taguchi | |

<p>Multi Purpose Room 6</p> <p>(13 : 30~15 : 30)</p>	<p>Chair: K. Ando</p>
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|-----------|---|------|
| 2-B-MP6-1 | Ender nailing for various fractures -compared to the gold standard- | S581 |
| | Kamitsuga General Hosp. Satoshi Takahata | |
| 2-B-MP6-2 | Indication and surgical method of Ender nailing | S581 |
| | Yokohamashintoshi Neurosurgical Hosp. Shu Obara | |

Day 2
Room A

Day 2
Room B

Day2 • Room C (9F 908)

Multi Purpose Room 7

(10 : 15~11 : 45)

2-C-MP7-1 Hemiarthroplasty for Femoral Neck Fractures via Superior approach
-What is the technique for complete preservation of muscle and joint capsule?-
..... S582
Yodogawa Christian Hospital Tomoaki Suzuka

Multi Purpose Room 8 Navigation system for glenoid component placement in reverse
shoulder arthroplasty
- proximal humerus fracture and osteoarthritis -

(15 : 40~17 : 10)

**Chairs: K. Kirimura
A. Urita**

2-C-MP8-1 S583
Dokkyo Medical Univ. Atsushi Urita

2-C-MP8-2 S583
Juzen Memorial Hosp. Kengo Kirimura

Day2 • Room D (10F 1003)

Multi Purpose Room 9
(10 : 00~16 : 00)

Chair: T. Iwase

- 2-D-MP9-1 Let's do it! Cemented hemiarthroplasty after failed osteosynthesis for hip fracture S584
Hamamatsu Medical Centre Daigo Morita
- 2-D-MP9-2 Hamamatsu Medical Centre Toshiki Iwase

Chair: H. Sasanuma

- 2-D-MP9-3 Reverse Shoulder Arthroplasty in the Setting of Proximal Humeral Fracture S584
Sano Memorial Hosp. Koichi Ichikawa
- 2-D-MP9-4 Jichi Medical Univ. Hosp. Hideyuki Sasanuma

Day2 • Room E (10F 1002)

Multi Purpose Room 10

(Morning Program 9 : 00~11 : 00 Afternoon Program 13 : 15~16 : 00)

Morning Program

Appropriate treatment of the glenoid side in reverse shoulder arthroplasty
..... S585

2-E-MP10-1 Dept. of Orthop. Surg., Juntendo Univ. Shizuoka Hosp. Shuichi Moriya

2-E-MP10-2 Dept. of Orthop. Surg., National Hospital Organization
Takasaki General Medical Center Tsuyoshi Ichinose

Afternoon Program

Chair: H. Kawano

Discussion on pathological fractures in the extremity again in 2023;
can we fix it? S585

2-E-MP10-3 Teikyo Univ. School of Medicine Jungo Imanishi

2-E-MP10-4 Teikyo Univ. School of Medicine Kentaro Matsui

Day2 • Room F (1F Main Hall "Ocean")

Noontime Lecture 16

(12 : 00~13 : 00)

Chair: N. Maegawa

- 2-F-NL16-1 What are the Current Status, Challenges, and Future of Vulnerable Pelvic Fractures? S574
Dept. of Orthop. Surg., The Jikei Univ. Kashiwa Hosp., Kashiwa, Chiba Naoya Inagaki
- 2-F-NL16-2 Fragility fractures of the pelvis: current status, challenges, and future? ... S575
Dept. of Orthop. Surg., Fukuyama City Hosp., Hiroshima, Japan Chuji Terada

Day 2
Room E

Day 2
Room F