

eポスター

ePoster1 Spine

- Pol-1 Clinical results of anterior fixation with a headless screw for odontoid fractures S369
Dept. of Orthop., Sapporo Medical Univ., Sapporo, Japan Hisashi Obara
- Pol-2 Treatment of odontoid fractures over the past 10 years at Yamanashi prefectural central hospital S369
Yamanashi Prefectural Central Hosp. Hideto Eguchi
- Pol-3 Minimally invasive surgery is a risk factor for residual low back pain after temporary posterior fixation for thoracolumbar burst fracture S370
Dept. of Orthop. Surg., Univ. of Teikyo, Tokyo, Japan / Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan Masanori Hashimoto
- Pol-4 The Importance of CT-MPR Coronal Images in the Evaluation of Costovertebral Joint Injuries Causing Delayed Neuropathy in Thoracic Spine Fractures -A Case Study of Delayed Paralysis One Month After Injury- S370
Dept. of Orthop. Surg., Juntendo Univ. Shizuoka Hosp., Shizuoka Akira Itoi
- Pol-5 Treatment for atypical vertebral pedicle fractures S371
Naruo Orthop. Hosp. Shogo Tahata
- Pol-6 Outcome of Spine and Pelvic Surgery in Very Elderly Patients Older Than 90 Years S371
Dept. of Orthop. Surg., Mito Kyodo General Hosp., Ibaraki, Japan Yusuke Eda
- Pol-7 The difference in the activity of daily living after 1 week of admission in patients with an osteoporotic vertebral fracture is associated with clinical outcome S372
Dept. of Orthop. Surg., Kurume Univ. Hosp. Suguto Futami
- Pol-8 Withdrawn S372
- Pol-9 A case of acute cerebral infarction caused by vertebral artery injury associated with cervical spine fracture S373
Hyogo Prefectural Awaji Medical Center Shoya Okuma

Day 3
Live Streaming 4

ePoster

ePoster2 Clavicle Fractures and Sternum Fractures

- Po2-1 A case of computer-assisted corrective osteotomy for deformity fusion after re-fracture of the clavicle diaphysis using the Masquelet technique S373
Osaka General Medical Center Yusuke Matsuyama
- Po2-2 A case of non-displaced clavicle fracture for which early internal fixation should be considered S374
Chiba Emergency Medical Center Naoki Yamoto
- Po2-3 Double-plate fixation with wiring for double clavicle fractures S374
Tertiary Emergency Medical Center, Tokyo Metropolitan Bokutoh Hosp., Tokyo, Japan Shun Nokariya
- Po2-4 Thoracoscopically assisted osteosynthesis using a mesh plate for a sternal nonunion : A case report S375
Dept. of Orthop. Surg., Kobe Rosai Hosp. Takenori Azumi
- Po2-5 The useful technique of sternal fracture surgery S375
Dept. of Orthop. Surg., Sakai City Medical Center, Osaka, Japan Azumi Hisano

ePoster3 Periarticular Fractures of the Shoulder

- Po3-1 Three cases of fractures around the shoulder joint treated with a mesh plate S376
Hiroshima Prefectural Hosp. Kei Kato
- Po3-2 Arthroscopic-assisted reduction and fixation of avulsion fracture of the coracoid process at the attachment of the coracoclavicular ligament: a case report S376
Dept. of Orthop. Surg., Mazda Hosp. Chikara Watanabe
- Po3-3 A case of coracoid process fracture using intraoperative CT in an open surgery S377
Dept. of Emergency and Critical Care Medicine, Tokyo Metropolitan Bokutoh Hosp. Aisa Nunome
- Po3-4 A case of atypical fracture of the scapular spine S377
Dept. of Orthop. Surg., Fukushima Prefectural Minami-Aizu Hosp. Ryosuke Mashiko

ePoster4 Proximal Humerus Fractures

- Po4-1 Treatment experience of plate fixation for proximal humeral fracture S378
Dept. of Orthop. Surg., Daiyukai General Hosp. Hiroya Senda
- Po4-2 Locking intramedullary nailing for the treatment of displaced two-part surgical neck fractures of the proximal humerus: factors influencing outcomes in elderly patients S378
Dept. of Orthop. Surg., Chukyo Hosp., Aichi, Japan Kenichi Asano
- Po4-3 Outcome of open reduction and internal fixation for 3-4parts proximal humeral fractures S379
Suita Municipal Hosp. Atsushi Kobayashi
- Po4-4 Osteosynthesis using soft anchors and absorbable pins for humeral greater tuberosity fractures S379
Dept. of Orthop. Surg., Uda City Hosp. Shuhei Fujii
- Po4-5 A case of a humeral greater tuberosity fracture requiring multiple arthroscopic osteosyntheses S380
Dept. of Orthop. Surg., Seirei Sakura Citizen Hosp. Daisuke Kajiwara
- Po4-6 A humeral multifocal fracture fixed with interamedullary nail and cannulated cancellous screws -a case report- S380
Dept. of Orthop. Surg., Osaka Gyoumeikan Hosp., Osaka, Japan Hirakazu Murayama
- Po4-7 Withdrawn S381
- Po4-8 A case of proximal humerus fracture complicated by axillary artery injury S381
Sapporo Medical Univ. Takashi Ochiai
- Po4-9 A case of ipsilateral proximal and distal humeral comminuted fractures with humeral head replacement and total elbow arthroplasty S382
Dept. of Orthop. Surg., Kisiwada Tokushukai Hosp. Satoshi Hayashi

ePoster5 Diaphyseal Humerus Fractures

- Po5-1 Dual locking plate fixation for the humeral shaft fractures: three case reports S382
Hyogo Prefectural Amagasaki General Medical Center Taiki Sakazaki
- Po5-2 Case of needed Riordan's tendon transfer after Humerus shaft fracture ... S383
Nara Prefecture General Medical Center Yoshihiko Itoh
- Po5-3 Outcome of AFFIXUS Natural Nail for humeral diaphyseal fractures S383
Chikamori Hosp. Ippei Nishida
- Po5-4 A case report of distal humeral shaft open fracture with critical size bone defect treated by Masquelet technique using only synthetic bone graft ... S384
Dept. of Orthop., Osaka General Medical Center Tatsuji Fujiwara

ePoster6 Distal Humerus Fractures and Elbow Fractures

- Po6-1 Treatment outcome of distal humerus fracture, AO13-A2, A3 S384
Orhtop. Dept. of Chikamori Hosp., Kochi, Japan Kazutaka Oda
- Po6-2 Treatment results of double plate fixation with orthogonal placement for distal humeral fractures in the elderly S385
Dept. of Orthop. and Hand Surg. Center, Hiratsuka Kyosai Hosp., Kanagawa, Japan Hiroshi Sakai
- Po6-3 Joint reconstruction using autologous iliac bone graft for comminuted fracture of lateral humeral condyle with bone defects : A report of 2 cases S385
Tsuruga City Hosp. Tsukasa Fujieda
- Po6-4 A case of radial nerve palsy after external fixation of a distal humerus fracture S386
Hyogo Emergency Medical Center, Hyogo, Japan Keiichi Yoshimura
- Po6-5 Treatment strategy considering age and fracture type in coronal shear fracture S386
Kameda Medical Center, Dept. of Orthop. Surg., Hand and Microsurgery Center, Chiba, Japan Hayato Kuno
- Po6-6 A case of suture bridge technique for triceps tendon avulsion fracture with osteophyte formation S387
Toyonaka Municipal Hosp. Kosuke Nishimura
- Po6-7 A review of treatment outcomes of adult Montezia fractures S387
Kyushu Central Hosp. of the Mutual Aid Association of Public School Teachers, Fukuoka, Japan Takahiro Inoue
- Po6-8 A case of internal fixation for proimal humeral open fracture in a very eldery patient S388
Dept. of Orthop. Surg., Kimitsu Chuo Hosp., Kimitsu, Japan Shun Fukushima

ePoster7 Forearm fracture

- Po7-1 Clinical results of the adult forearm diaphysis fractures due to the high energy trauma S388
Dept. of Orthop. Surg., Ehime Prefectural Central Hosp., Matsuyama, Japan Kei Morizane
- Po7-2 Case report: treatment experience of bilateral ulnar atypical fractures during administration of bisphosphonates S389
Akita Univ. Graduate School of Medicine Genki Tojo
- Po7-3 A case of right open forearm fracture (AO type 22-C2) corrected for rotational deformity and internally fixed with three plates S389
National Hospital Organization Kyoto Medical Centre Shintaro Sasahara
- Po7-4 A case report of atypical non-union of the ulnar fracture treated with dual plate fixation S390
Kumamoto Kenhoku Hosp. Yasuhiro Urata

ePoster8 Distal Radius Fracture and Radio-Carpal Joint

Po8-1	A case of radial corrective osteotomy and ulnar head resection for distal radius malunion	S390
	Dept. of Orthop. Surg., Aomori City Hosp.	Ayumi Ichisawa
Po8-2	A case of radiocarpal dislocation and elbow dislocation in the ipsilateral upper limb	S391
	Advanced Critical Care Center, Gifu Univ. Hosp., Gifu, Japan	Takahito Miyake
Po8-3	A case of corrective osteotomy using a RIM plate for an intra-articular distal radius malunion	S391
	Hiratsuka Kyosai Hosp.	Toshiki Kawazoe
Po8-4	Dorsal dislocation of ulnar head with ulnar styloid process fracture -A case report-	S392
	Komazawa Hosp., Tokyo, Japan	Ruriko Iigaya
Po8-5	Treatment of distal radius fractures with dorsal roof fragments and invaginated fragments within the joint	S392
	National Hosp. Organization Saitama Hosp., Orthop. Surg.	Hirokazu Tochigi
Po8-6	Clinical outcome of treatment for distal ulna fracture with distal radius fracture in the elderly	S393
	Seirei Mikatahara General Hosp.	Masayuki Matsuoka
Po8-7	Clinical results of marginal distal radius fractures with additional volar cortical breaks.....	S393
	Kansairousai Hosp. / Toyonaka Municipal Hosp.	Ayaka Yasuda
Po8-8	Characteristics of Treatment for Distal Radius Fractures.....	S394
	Dept. of Orthop. Surg., Aomori City Hosp.	Norihiro Sasaki
Po8-9	Study between AO Classification Type C1 and Type C2 in Distal Radius Intra-articular Fractures	S394
	Iwate Prefectural Kamaishi Hosp.	Masato Okuda
Po8-10	Investigation of early postoperative clinical findings on Q-DASH score at 6 months after volar locking plate fixation	S395
	Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan / Dept. of Medicine for Orthop. and Motor Organ, Juntendo Univ. Graduate School of Medicine	
	Takamaru Suzuki	
Po8-11	Clinical findings as the barriers to early reintegration in the distal radius fracture patients treated with volar locking plates	S395
	Dept. of Orthop., Juntendo Univ. Faculty of Medicine, Tokyo, Japan	Kenjiro Kawamura
Po8-12	4 cases of Fragment-specific Fixation of Distal Radius Fracture typeC3 ..	S396
	Nagasaki Univ. Hosp. Trauma Center	Iku Tomonaga
Po8-13	Treatment of Galeazzi fracture dislocations with comminuted fracture of distal radial diaphysis	S396
	Dept. of Orthop. Surg., Omihachiman Community Medical Center	Kensaku Kuga

Po8-14	Four cases of distal radius fracture requiring neurolysis of the median nerve after hardware removal	S397
	Dept. of Orthop. Surg., Graduated School of Medical Science, Kanazawa Univ.	Soichiro Honda
Po8-15	The radio-scapho-lunate fusion for malunion and median nerve neuropathy after distal radius fracture in an elderly patient: a case report	S397
	Dept. of Orthop. Surg., Graduate School of Medicine, Univ. of the Ryukyus	Keiko Onaka
Po8-16	A case of distal radius fracture malunion treated by corrective osteotomy using the Masquelet technique	S398
	Orthop., Osaka General Medical Center	Daisuke Hirohaku
Po8-17	How to treat intraarticular soft tissue injuries associated with distal radius fracture	S398
	Dept. of Orthop. Surg., Saiseikai Shimonoseki General Hosp.	Yukio Abe

ePoster9 Hand fracture

Po9-1	Plate fixation for fracture dislocation of the distal interphalangeal joint ..	S399
	Dept. of Orthop. Surg., Shonan Central Hosp.	Masayoshi Ikeda
Po9-2	Withdrawn	S399
Po9-3	The locking mechanism failed and the plate dislocated with locking screws remaining in the bone after metacarpal fracture surgery: A case report ..	S400
	Tokyo Metropolitan Hiroo Hosp.	Kensuke Otsubo
Po9-4	A fracture of the second metacarpal after thumb carpometacarpal arthroplasty with suture suspension: a case report	S400
	Dept. of Orthop. Surg., Yamagata Univ., Yamagata, Japan / Dept. of Orthop. Surg., Sanyudo Hosp.	
	Hiroshi Satake	
Po9-5	The treatment experience of fracture-dislocations of ulnar carpometacarpal joints	S401
	Kita-Harima Medical Center	Takehiro Konishi
Po9-6	Plate fixation of fracture-dislocation of the ulnar CM joint associated with hamate body fracture : case report	S401
	Chukyo Hosp.	Takuya Kaneda
Po9-7	Carpometacarpal Fracture dislocations with hamate body fracture by fall	S402
	Miyazaki Prefectural Nobeoka Hosp.	Kazuaki Ishihara
Po9-8	Dislocation of Pisiform born with Triquetral bone fracture	S402
	Ogikubo Hosp.	Masaki Yamamoto
Po9-9	Trapezium tuberosity fracture nonunion treated with excision 9 months after injury	S403
	Chitose City Hosp., Hokkaido, Japan	Kohei Shimoyama

ePoster10 Pelvic Ring Fractures

- Po10-1 A case of nonunion of iatrogenic iliac fracture after iliac bone graft S403
Orthop. Surg., National Hospital Organization Tokyo Medical Center Teppei Hayashi
- Po10-2 Percutaneous screw fixation for pelvic and acetabular fractures using a hybrid operating room S404
Komaki City Hosp. Go Sakai
- Po10-3 Outcome of screw fixation for crescent fracture S404
Emergency and Critical Care Medicine, Saitama Medical Center, Saitama Medical Univ. Yuta Tanuma
- Po10-4 Five cases of simultaneous percutaneous posterior spinal fixation and posterior pelvic fixation for multiple trauma S405
Yamagata Prefectural Central Hosp., Dept. of Emergency and Critical Care Medicine Nobuhito Nemoto
- Po10-5 A case of posterior fixation to unilateral sacral fracture using iliosacral screw and iliac screw S405
Dept. of Orthop., Seirei Yokohama General Hosp., Japan Mitsutoshi Ota
- Po10-6 Compression of the bladder when pubic symphysis diastasis is corrected by external fixation S406
Dept. of Orthop. Surg., Tokuyama Central Hosp., Yamaguchi, Japan Kazunori Tamura

ePoster11 Acetabular Fractures and Femoral Neck Fractures

- Po11-1 Two cases of conversion to Total Hip Arthroplasty after acetabular fractures surgery S406
Eastern Chiba Medical Center Tomotaka Morikawa
- Po11-2 Acute cemented total hip arthroplasty with iliofemoral approach for geriatric acetabular fracture; A case report S407
Dept. of Orthop. Surg., Showa General Hosp., Tokyo, Japan Takushi Nakatani
- Po11-3 A case of intraoperative A-V fistula formation and difficult hemostasis in a both-column acetabular fracture S407
Dept. of Orthop., Univ. of Shinshu, Nagano, Japan Shunsuke Miyaoka
- Po11-4 A rare case of acetabular fracture sustained due to a convulsive seizure during sleep S408
Dept. of Orthop. Surg., Gunma Univ. Graduate School of Medicine / Japanese Red Cross Maebashi Hosp. Ryosuke Negishi
- Po11-5 Clinical results of Lateral compression-2 screw for pelvic ring fractures & acetabular fractures S408
Dept. of Orthop. Surg. and Joint Reconstructive Surg., Toyama Municipal Hosp. Shintaro Iwai
- Po11-6 Withdrawn S409
- Po11-7 A case report: Total hip arthroplasty for femoral head comminuted fracture in young people S409
Dept. of Orthop. Surg., Kainan Hosp. Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Aichi, Japan Sadayoshi Ito

ePoster12 Femoral Neck Fractures (ORIF)

- Po12-1 Clinical Outcome of Pauwels Classification Type 3 Proximal Femur Fractures with Intramedullary Nail S410
Kameda Medical Center, Chiba, Japan Kenichiro Hayashi
- Po12-2 A study of cases requiring revision surgery after osteosynthesis for femoral neck fractures S410
Saiseikai Shimonoseki General Hosp. Yosuke Yamashita
- Po12-3 A case report of ipsilateral femoral neck fracture after osteosynthesis of femoral trochanteric fracture S411
Yamanashi Prefectural Central Hosp. / Dept. of Orthop., Juntendo Univ. Faculty of Medicine Hirokazu Tanaka
- Po12-4 A case report, lateral femoral circumflex artery injury occurred after ORIF of femoral neck fracture S411
Ibaraki Seinan Medical Center Hosp. Ken Hoshino
- Po12-5 A case report of application of Cement Augmentation System for secondary femoral subtrochanteric fracture after osteosynthesis of femoral neck fracture S412
Omuta City Hosp. Yuuya Tsukamoto
- Po12-6 Internal fixation for femoral neck fracture during pregnancy with transient osteoporosis of the hip: A case report S412
Kitakami Saiseikai Hosp., Iwate, Japan Daichi Kinno
- Po12-7 Amount of Settlement and Postoperative Outcome after Closed Settlement for Non-displaced Femoral Neck Fractures S413
Orthop., Komaki City Hosp. Masayasu Shimoda
- Po12-8 Effect of reducing the intraoperative traction for Osteosynthesis of Femoral neck fracture using Hansson Pinloc/Pinloc2. Third report S413
Sapporo Central Hosp., Sapporo, Japan Wataru Hatanaka
- Po12-9 Clinical result of nondisplaced femoral neck fracture treating with Femoral Neck System for elderly patient S414
Dept. of Orthop., Kitasato Univ., Kanagawa, Japan Tadashi Kawamura
- Po12-10 Postoperative results of osteosynthesis with FNS for non-displaced femoral neck fractures S414
Chiba Aoba Municipal Hosp. Akito Nagai

ePoster13 Femoral Neck Fractures (BHA, THA)

- Po13-1 Treatment results of Bipolar Hip Arthroplasty by SuperPATH approach to femoral neck fracture S415
Dept. of Orthop. Surg., Ichinomiya West Hosp., Aichi, Japan Akira Kondo
- Po13-2 The Surgical Technique of Superior Approach in BHA S415
Dept. of Orthop. Surg., Tamashima Central Hosp. Yohei Kagawa
- Po13-3 3D evaluation of stem alignment in Bipolar Hip Arthroplasty using SuperPath approach S416
Niigata Medical Center Kayo Yamanaka
- Po13-4 Reproduction of the original femoral head position in bipolar hip arthroplasty by ALS approach with tapered-wedge stem S416
Dept. of Orthop., Juzen Memorial Hosp., Shizuoka, Japan Yoshihide Hata
- Po13-5 Does CT-based navigation improve accuracy and precision for femoral stem placement in hip hemiarthroplasty? S417
Dept. of Orthop. Surg., Univ. of Toyama, Toyama, Japan Toshihito Hiraiwa
- Po13-6 An example of unexpected bleeding from arteriovenous malformation in the femur during Bipolar Hip Arthroplasty S417
Dept. of Orthop., Kyoto Okamoto Memorial Hosp., Kyoto, Japan Masaki Imamura
- Po13-7 Usefulness of CMK Original Concept Stem in femoral neck fracture, 4cases with atypical clinical history S418
Ibaraki Prefectural Central Hosp. Hidetoshi Naganuma
- Po13-8 Intraoperative fracture risk factors in Bipolar hemiarthroplasties S418
Akita Kosei Medical Center Yo Morishita

ePoster14 Femoral trochanteric fracture

- Po14-1 Study of lag screw sliding in femoral trochanteric fractures using custom order awl S419
 Dept. of Orthop. Surg., Asao General Hosp. Toshiro Yonezawa
- Po14-2 Combined trochanteric fracture of the femur and lumbar vertebral fracture in patients with diffuse idiopathic skeletal hyperostosis : a case report S419
 Saiseikai Toyama Hosp. Kentaro Fujita
- Po14-3 Displacement of Vertebral Fracture After Intertrochanteric Fracture Surgery: A Case Report S420
 Dept. of Orthop. Surg., Suwa Central Hosp. Ryuki Tahara
- Po14-4 Investigation of factors affecting neck anteversion after surgery for trochanteric fracture S420
 Dept. of Orthop., Shizuoka City Shizuoka Hosp. Yoshiharu Sugiyama
- Po14-5 Axial rotation of the intertrochanteric femoral fracture
 ~Presence of lesser trochanteric fracture and position of the patella~ S421
 Dept. of Orthop. Surg., Kousei General Hosp., Mihara, Japan Hiroyuki Nagahara
- Po14-6 CT evaluation of the relationship between intraoperative cortical crack of around the distal screws and position of the nail in femoral intramedullary nailing for trochanteric hip fractures in elderly S421
 Dept. of Orthop. Surg., Fukuyama City Hosp., Hiroshima, Japan Katsuhiro Kawabata
- Po14-7 Usefulness of soft-tissue CT for occult femoral trochanteric fracture S422
 Dept. of Orthop. Surg., Higashisumiyoshi Morimoto Hosp. Kei Taniura
- Po14-8 Treatment strategy for occult femoral intertrochanteric fractures with femoral greater trochanteric fractures S422
 Dept. of Orthop. Surg., Tottori Prefectural Central Hosp., Tottori, Japan Tomoya Muraoka
- Po14-9 Reliability and validity of the radiographic assessment for displaced greater trochanter fragment in pectrochanteric fractures S423
 Dept. of Orthop. Surg., Hyogo Prefectural Kakogawa Medical Center, Kakogawa, Japan Kazumichi Kitayama
- Po14-10 Effect of TFNA cement augmentation on early mobility and postoperative pain in femoral trochanteric fractures S423
 Saiseikai Matsuyama Hosp., Matsuyama, Japan Atsushi Takasu
- Po14-11 Clinical experience of TFNA cement augmentation S424
 Dept. of Orthop. Surg., Kimitsu Chuo Hosp., Chiba, Japan Yuji Endo
- Po14-12 Two cases of femoral trochanteric fracture for which reoperation with cement augmentation was useful S424
 Kawasaki Medical School Medical Center Dept. of Musculoskeletal Trauma and Reconstructive Orthop. Surg. Kosuke Tsukamoto
- Po14-13 Insertion frequency of X-AR-pin in using ASULOCK S425
 Dept. of Orthop. Surg., Chikamori Hosp., Kochi, Japan Takashi Inokuchi

Po14-14	Evaluation of CT axial view of the subtype P after the short femoral nail fixation for the femoral trochanteric fractures	S425
	Dept. of Orthop. Surg., Naze Tokushukai Hosp., Amami, Japan	Minoru Kashihara
Po14-15	Reliability of CT classification and varus impaction without posterior support type from CT images in trochanteric fractures	S426
	Dept. of Orthop. Surg., Hyogo Prefecutural Kakogawa Medical Center, Kakogawa, Japan	Daisuke Nakagawa
Po14-16	ADL and dementia are related to the postoperative patients of femoral trochanteric fracture in super elderly persons about the walk reacquisition	S426
	Ehime Rosai Hosp.	Kei Sasaki
Po14-17	Study of postoperative recovery position and amount of sliding by lag screw angulation in trochanteric fractures of the femur.....	S427
	Traumatology and Reconstructive Surg. Center, Fukushima Medical Univ. / Traumatology and Reconstructive Surg. Center, Aizu Chuo Hosp.	Yoshifumi Kawamae
Po14-18	Index instead of Baumgaerter's TAD in the biaxial intramedullary nail fixation for the femoral trochanteric fractures	S427
	Dept. of Orthop. Surg., Naze Tokushukai Hosp., Amami, Japan	Minoru Kashihara
Po14-19	Association between tip apex distance and postoperative walking ability in femoral trochanteric fracture patients: a prospective cohort study	S428
	Dept. of Orthop. Surg., Univ. of Teikyo, Tokyo, Japan / Trauma and Reconstruction Center, Teikyo Univ. Hosp., Tokyo, Japan	Masanori Hashimoto
Po14-20	Intramedullary nail fixation for intertrochanteric femur fractures; Short or Long nail?	S428
	Dept. of Orthop. Surg., National Hospital Organization Nagasaki Medical Center	Junya Mukai
Po14-21	Examination of surgical invasiveness and complications for femoral trochanteric fractures by nail length	S429
	Hachinohe City Hosp.	Masakazu Kogawa
Po14-22	Effectiveness of cerclage wiring for lesser trochanteric fragment in unstable femoral trochanteric fractures	S429
	Orthop. Trauma Center, Sapporo Higashi Tokushukai Hosp., Sapporo, Japan	Yuta Izawa
Po14-23	Intramedullary nail fixation for unstable femoral trochanteric fracture ..	S430
	Kakogawa City Hosp.	Ryo Kato
Po14-24	Anterolateral supine approach THA using Wagner SL Revison stem for failure of intertrochanteric fractures	S430
	Ise Municipal General Hosp. Orthop. Surg.	Kakunoshin Yoshida
Po14-25	A study of cut-out cases of femoral intertrochanteric fracture in the elderly at our hospital	S431
	Ibaraki Southwest Medical Center, Ibaraki, Japan	Takahiro Kobayashi
Po14-26	Frequency of anterior wall fractures in femoral trochanteric fractures and their fracture line localization after repair and fixation	S431
	Shikoku Medical Center for Children and Adults	Masashi Shimamura

Po14-27	Bipolar Hemiarthroplasty for unstable trochanteric fracture. A report of three cases	S432
		Hirose Hosp. Tomohiko Hirose
Po14-28	Intertrochanteric fracture combined with femur neck fracture	S432
		Kimitsu Central Hosp. Rika Komei
Po14-29	Bipolar Hip Arthroplasty using direct lateral approach for unstable femoral trochanteric fracture	S433
		Dept. of Traumatology, Fukushima Medical Univ. / Trauma & Reconstruction Center, Southern Tohoku General Hosp. Takuya Yuki
Po14-30	Two cases of hemi-arthroplasty for non-union after nailing for femoral intertrochanteric fracture	S433
		Shuutou General Hosp. Kenji Hirata
Po14-31	A case of femoral trochanteric fracture complicated by pressure ulcer at the greater trochanter	S434
		Fujioka General Hosp. Kazuhiro Nishikawa
Po14-32	A case of Tumoral calcinosis with femoral fracture and osteosynthesis ..	S434
		Hakodate Goryokaku Hosp. Nanami Ueda
Po14-33	A case of unstable intertrochanteric femoral fracture treated with OLSA and ASULOCK for fixation of the greater trochanter	S435
		Tsukazaki Hosp. Dept. of Orthop. Kotaro Teramoto
Po14-34	The treatment of femoral trochanteric fracture, after the operation of multiple screw fixation for the femoral neck fracture	S435
		Horikawa Hosp., Kyoto, Japan Toshiyuki Kubota

ePoster15 Femoral Proximal Fractures

- Po15-1 Investigation of the association between osteoporosis treatment intervention rates and proximal femur fracture incidence using open data S436
Dept. of Orthop. Surg., Yokohama Ekisaikai Hosp. / Dept. of Orthop. Surg., Yokohama City Univ.
Hiroshi Fujimaki
- Po15-2 Effects of bisphosphonates and romosozumab on proximal femoral bone mineral density S436
Dept. of Orthop., Red Cross Kobe Hosp. Tomoko Kanazawa
- Po15-3 Examination of osteoporosis treatment after proximal femoral fractures... S437
Orthop. Surg., Kasugai Municipal Hosp. Hiroyuki Suzuki
- Po15-4 Examination of perioperative sudden change risk factors in patients with hip fracture S437
Kishiwada Tokushukai Hosp., Osaka, Japan Wataru Shirasaka
- Po15-5 Brain Natriuretic Peptide (BNP) is possible to predict mortality within 30 days in patients with hip fractures S438
Dept. of Orthop. Surg., Kochi Prefectural Hata Kenmin Hosp., Kochi, Japan Kazuki Ozaki
- Po15-6 Reoperation in early surgery of hip fractures S438
Seirei Sakura Citizen Hosp. Risa Moriyasu
- Po15-7 Examination of postoperative complications in very elderly patients with proximal femoral fracture S439
JCHO Kanazawa Hosp., Ishikawa, Japan Takashi Yamamoto
- Po15-8 Waiting time for hip fracture surgery: Does surgical delay affect out comes?..... S439
Dept. of Orthop. Surg. and Sport Medicine, Kawasaki Medical School, Okayama, Japan Kazuto Hirai
- Po15-9 A kind of Hospitalist/Orthopedic Surgey Co-Management at Iiduka hospital: Fix and Relay S440
General Internal Medicine, Iiduka Hopital, Iiduka, Japan Sanshiro Inoue
- Po15-10 Time from injury to medical institution visit in elderly patients with hip fracture S440
Dept. of Orthop. Surg. and Joint Reconstructive Surg., Toyama City Hosp., Toyama, Japan Kenji Shigemoto
- Po15-11 A case of proximal femur fracture of the ankylosed hip joint with tuberculosis arthritis S441
Dept. of Orthop. Surg., Hamamatsu Medical Center Yuji Matsuno
- Po15-12 Early surgery for a femoral neck fracture complicated by COVID-19: A case report S441
The Jikei Univ. Kashiwa Hosp. / The Jikei Univ. Hosp. Go Nishizawa
- Po15-13 A case of the subtrochanteric fracture after Prima Hip Screw fixation of femoral neck fracture S442
Nogami Hosp., Medical Corporation Seishinkai, Osaka, Japan Masashi Nogami

- Po15-14 An Atypical femoral subtrochanteric fracture treated with contralateral intramedullary nail S442
Osaka General Medical Center Masaki Sakamoto

ePoster16 Midshaft femur fracture

- Pol16-1 A case of conservative therapy for atypical femoral fracture involving denosumab and femoral curvature after femoral neck fracture surgery S443
Nishijin Hosp. Yuki Mori
- Pol16-2 A case of atypical femur fracture with tipping + bone grafting at the initial surgery, resulting in early bone fusion..... S443
Iwata City Hosp. Koki Kato
- Pol16-3 2 cases of atypical periprosthetic femoral fractures S444
Tohoku Rosai Hosp., Sendai, Japan Hiroaki Ogawa
- Pol16-4 Simultaneous, bilateral, complete atypical femoral fractures in patient with metastatic breast cancer treated with denosumab S444
Kyushu Central Hosp. of the Mutual Aid Association of Public School Teachers, Fukuoka, Japan Toshihiro Ebihara
- Pol16-5 A case of atypical femur fracture after long-term treatment with bone-modifying agent for multiple myeloma S445
Dept. of Orthop. Surg., The Jikei Univ. Kashiwa Hosp., Kashiwa, Chiba Motoshi Hao
- Pol16-6 Treatment experience of bilateral atypical femoral fracture with complete and contralateral incomplete fractures S445
Nishinomiya Kyoritsu Neurosurgical Hosp. Shinya Ueyama
- Pol16-7 A case of non-union in Osteosynthesis for Periprosthetic Atypical Femoral Fracture after THA S446
Osaka General Medical Center Takanori Shimizu
- Pol16-8 The treatment of opening wedge HTO for a post traumatic osteoarthritis of the knee due to varus malunion of the femur S446
Dept. of Orthop. Surg., Shikoku Medical Center for Children and Adults Takahiro Sasa
- Pol16-9 Indication of Ender nail in osteosynthesis for femur fractures..... S447
Dept. of Orthop. Surg., Tottori Prefectural Central Hosp., Tottori, Japan Taiki Nakamura
- Pol16-10 Investigation of intramedullary nail fixation using advanced locking screw for femoral shaft fracture with third bone fragment in our hospital S447
Tokai Univ. School of Medicine Dept. of Orthop. Miyu Tamaki
- Pol16-11 Case report: postoperative pseudoarthrosis after femoral diaphyseal fracture caused by adult-onset growth hormone deficiency S448
Akita Univ. Graduate School of Medicine Yuki Nagaoka
- Pol16-12 A case of corrective osteotomy using a patient specific instrument (PSI) for incomplete femoral fracture of osteomalacia S448
Dept. of Orthop. Surg., The Jikei Univ. School of Medicine Tatsuki Matsuoka
- Pol16-13 A case of femoral fracture in spinal muscular atrophy type 2 S449
Dept. of Emergency and Critical Care Medicine, Hyogo Medical Univ., Hyogo, Japan Akihiro Yamashita

- Po16-14 A case of Infra-isthmal Fracture with unexpected revision surgery S449
Dept. of Orthop., Osaka City General Hosp., Osaka, Japan Akira Yoneda
- Po16-15 A case of using TFNA cement augmentation system for fracture around short femoral nail S450
Dept. of Orthop. Surg., Meijibashi Hosp. Yuichiro Fujiwara
- Po16-16 A case of intraoperative compound fracture due to neck fracture during nail insertion for femoral shaft fracture S450
Dept. of Orthop. Surg., Saiseikai Noe Hosp. Takuya Oshima

ePoster17 Lower leg fracture

- Po17-1 A case of a elderly woman who left her left tibia fracture for 2 months, underwent surgery with intramedullary nail and by rehabilitation, recovered to the point where she could walk independently S451
Foot and Ankle Surg. Center, East-Maebashi Orthop. Hosp., Gunma, Japan Akira Oshima
- Po17-2 A case of bilateral distal tibia and fibula fragility fracture treated with the latest intramedullary nails S451
Dept. of Orthop. Surg., Oji Hosp., Tokyo, Japan Mayuko Kinoshita
- Po17-3 Ring fixator for proximal tibia comminuted fracture in elderly patients : Two cases report S452
Dept. of Orthop. Surg., Kansai Medical Univ. Kori Hosp., Osaka, Japan Atsuyuki Tsuchiya
- Po17-4 A case of intramedullary nail + Ilizarov external fixation for an elderly patient with tibia fracture S452
Akita Kousei Medical Center Motoki Mita
- Po17-5 The treatment of tibia fracture with Ender nailing S453
Miyazaki Prefectural Miyazaki Hosp. Keigo Masuda
- Po17-6 A case report; Open wedge distal tuberosity osteotomy was useful for varus deformity after osteosynthesis of tibia plateau fracture concomitant with multiple ligament injury S453
Dept. of Orthop. Surg., Nagoya City Univ., Aichi, Japan Shinya Kataoka
- Po17-7 A case of femoral lateral epicondyle osteotomy for posterolateral tibial plateau fracture with anterior cruciate ligament avulsion fracture S454
Nagasaki Univ. Hosp. Trauma Center, Nagasaki, Japan Kenji Taguchi
- Po17-8 Two cases of proximal tibia fracture apparently sustained by external force mediated by a contracted knee after patella fracture surgery S454
Orthop. Koto Hosp., Tokyo, Japan Tatsuro Kaneda
- Po17-9 2 cases of double-plate osteosynthesis for periprosthetic tibial fracture after total knee arthroplasty S455
Dept. of Orthop. Surg. Juntendo Univ. Urayasu Hosp. Kentaro Toyama
- Po17-10 A case report of open patellar tendon rupture with open patellar fracture S455
Dept. of Orthop. Surg., Kyoto Okamoto Memorial Hosp. Hajime Mori
- Po17-11 Experience in the treatment of a case with an ipsilateral open fracture of the tibial plateau and a tibial-tibial-tenosynovial fracture associated with an ipsilateral tibial plateau fracture S456
Urasoe General Hosp. Shintaro Yamamoto

ePoster18 Fracture of the lower leg + reconstruction of the bone and soft tissue

- Po18-1 A case of inter-tibiofibular graft for extensive tibial bone defect S456
Yamanashi Prefectural Central Hosp. Keigo Kameyama
- Po18-2 A case of tibial pseudoarthrosis with fusion by chipping and augmentation plate fixation after failure of masquelet technique S457
Komaki City Hosp., Aichi, Japan Toshiaki Inagaki
- Po18-3 A case of Open Tibiofibular Fracture with Bone Defect Reconstructed by Masquelet Technique S457
Dept. of Orthop. Surg., Univ. of Nihon, Tokyo, Japan Yuto Yoshimine
- Po18-4 2 cases of partial necrosis of free flap salvaged with extended gastrocnemius flaps S458
Dept. of Orthop. Surg., Hiroshima Univ., Hiroshima, Japan Gen Yokota
- Po18-5 A case of an elderly patient treated with a retrograde intramedullary nail and a latissimus dorsi muscle flap for an open tibia fracture with a large skin defect, crushing, and bone loss of the distal end of the tibia S458
Dept. of Orthop. Surg., Showa Univ. Fujigaoka Hosp., Yokohama, Japan Tadasuke Makizumi
- Po18-6 Withdrawn S459

ePoster19 Ankle fracture

- Po19-1 Variation in level of fracture line at posterolateral portion of lateral malleolus in type B ankle fractures S459
Dept. of Orthop. Surg., Tokyo Metropolitan Tama Medical Center, Tokyo, Japan Ryota Ide
- Po19-2 Bosworth fracture-dislocation can be reduced manually S460
Japanese Red Cross Asahikawa Hosp., Asahikawa, Japan Masahito Tanaka
- Po19-3 Examination of early weightbearing after open reduction and internalfixation of ankle fracture in elderly people -Multicenter cohort study- S460
Dept. of Orthop. Surg., Univ. of Chiba, Chiba, Japan Seiji Kimura
- Po19-4 Comparison between early weightbearing and non-weightbearing of ankle fractures S461
Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp. Tsuyoshi Egawa
- Po19-5 A case of pyogenic arthritis treatment by staged foot joint fixation S461
Kanmon Medical Center Ryutaro Kuriyama
- Po19-6 Reduction of fibula in AO classification 44C type S462
Dept. of Orthop. Surg., National Hospital Organization Okayama Clinical Center Sho Muguruma
- Po19-7 Assessment of treatment of internal brace for Malleolar Fracture using Self-Administered Foot Evaluation Questionnaire S462
Dept. of Orthop. Surg., Hiraka General Hosp., Akita, Japan Shuichi Chida

- Po19-8 Maisonneuve equivalent injury and proximal tibiofibular joint dislocation without associated fracture S463
 Niigata Chuo Hosp., Niigata, Japan Kazuha Koike
- Po19-9 Tension band wiring using cannulated screw for lateral malleolar fracture S463
 Kumamoto Orthop. Hosp., Kumamoto, Japan Takuya Ikuta
- Po19-10 A study of 112 cases of distal fibula fracture surgery by plate placement position S464
 Dept. of Orthop., Shizuoka Red Cross Hosp. Tsuyoshi Amemiya
- Po19-11 Open reduction and internal fixation for ankle malleolar fractures in the aged S464
 Dept. of Orthop. Surg., South Miyagi Medical Center Shuji Isefuku
- Po19-12 A case of isolated Tillaux fracture of the ankle in adult S465
 Tomioka General Hosp. Nobumasa Kushima

ePoster20 Tibial Plafond Fractures

- Po20-1 A case of bilateral Pilon's fracture with Ilizarov external fixation combined with internal fixation to obtain a load-bearing limb S465
 Akita Univ. Graduate School of Medicine, Dept. of Orthop. Surg., Akita, Japan Shuntaro Harata
- Po20-2 Circular external fixator helped with the rehabilitation of bilateral pilon fractures in elderly patient: a case report S466
 Japanese Red Cross Society Kyoto Daiichi Hosp. Hisashi Okumura
- Po20-3 Open reduction internal fixation combined with joint reconstruction for anterior impaction pilon fracture -A Case Report- S466
 Dept. of Orthop. Surg., Asahikawa Medical Univ. Yohei Maeda

ePoster21 Ankle Fractures

- Po21-1 Clinical result of fifth distal metatarsal diaphyseal fracture S467
Dept. of Orthop. Surg., Fukuoka Seisyukai Hosp., Fukuoka, Japan Kazuki Kanazawa
- Po21-2 Treatment for degloving injury with Lisfranc joint dislocation fracture:
a case report S467
Nakadori General Hosp. Yusuke Yuasa
- Po21-3 A case of multiple open fractures of the foot between Gustilo type 3A and 3B
with degrooving injury S468
Dept. of Orthop. Surg., Gunma Univ. Graduate School of Medicine, Japan Koichiro Yanai
- Po21-4 A case of open fracture of the foot in an elderly patient treated with shortening
of the foot, arthrodesis, and free latissimus dorsi flap S468
Funabashi Municipal Medical Center Takeru Ohara
- Po21-5 Treatment for Lisfranc dislocation fracture using DynaNite S469
Hakodate Goryoukaku Hosp. Taketo Kuchiwa

ePoster22 Calcaneal Fractures

- Po22-1 A case report of painful calcaneal malunion of plantar bone fragment like
calcaneal spur after calcaneal fracture surgery S469
Sano Kosei General Hosp. Toshikazu Yoshikawa
- Po22-2 Abductor digiti minimi muscle flap transfer for the skin necrosis following
calcaneal fracture surgery: two case reports S470
Dept. of Orthop. Surg., Japanese Red Cross Ogawa Hosp. Ryuji Horikoshi
- Po22-3 A case report of sustentaculum tali fracture treated with open reduction and
internal fixation S470
Keiyu Joint Reconstruction Center, Edogawa Hosp., Tokyo, Japan Hiroyuki Izumida

ePoster23 Sports

- Po23-1 Stress Fractures of high school baseball player's First Rib caused by bat Swinging S471
Dept. of Orthop. Surg., Kosei Hosp., Tokyo, Japan Hideto Maruno
- Po23-2 Extracorporeal shock wave therapy for delayed union of the medial malleolar stress S471
Toyonaka Municipal Hosp. Cardin Fushimoto
- Po23-3 The experience of fracture of proximal tibial epiphysis S472
Dept. of Orthop., Urayasu Hosp., Juntendo Univ., Chiba, Japan Nana Ito
- Po23-4 Surgical Outcome of Avulsion Fractures of the Pelvis S472
Dept. of Orthop. Surg., Hiroshima City Hiroshima Citizens Hosp., Hiroshima, Japan Hiroaki Murakami
- Po23-5 Characteristics of volleyball-related fractures in middle and high school students S473
Dept. of Orthop. Surg., Shizuoka General Hosp., Shizuoka, Japan Katsumi Oyama

ePoster24 Infection

- Po24-1 Surgical Site Infection after Orthopaedic Surgery for fractures S473
Dept. of Orthop. Surg., Yokohama Municipal Citizen's Hosp. Akihiro Nakazawa
- Po24-2 A case of segmental open fracture of the tibia with Fusarium infection despite temporary intramedullary nail fixation with CLAP S474
Dept. of Orthop., Chiba Emergency Medical Center, Chiba, Japan Daisuke Himeno
- Po24-3 Treatment of Mycobacterium abscessus complex osteomyelitis and septic arthritis using continuous local antibiotics perfusion: a case report S474
Dept. of Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp. Takahiro Niikura
- Po24-4 Two cases of open fractures with high risk of infection due to prolonged exposure to the outdoors S475
Eastern Chiba Medical Center Takamitsu Sato

ePoster25 Cancer

- Po25-1 A case of atypical subcapitellar femoral fracture treated with denosumab for metastatic bone tumor of breast cancer, also associated with metastatic bone tumor of femoral head S475
Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp. Masatoshi Haruta
- Po25-2 Atypical tibia fracture in breast cancer patients with bone metastasis receiving denosumab therapy: a case report S476
Dept. of Orthop. Surg., Univ. of Tsukuba Yohei Yanagisawa
- Po25-3 Pathological fracture of the distal femoral giant cell tumor with using preoperative denosumab therapy for visualizing intraarticular lesions: A case report S476
Dept. of Orthop. Surg., Fukushima Medical Univ., Fukushima, Japan Itaru Ogawa
- Po25-4 A case of sacral fatigue fracture subsequent to tumor resection for pubic bone metastasis of gastric cancer, treated with open reduction and internal fixation utilizing an Iliosacral screw S477
Teikyo Univ. Chiba Medical Center Takaki Kitamura
- Po25-5 Sacral fracture resulting in cancer treatment related disorder after the treatment of heavy particle radiation for cordoma: a case report S477
Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General Hosp., Ichikawa Japan Ukei Anazawa
- Po25-6 Curettage and cementoplasty with screws for pelvic acetabulum bone pathological fracture of lung cancer metastasis after radiation. A case report S478
Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General Hosp., Ichikawa, Japan Itsuo Watanabe
- Po25-7 Intramedullary nail surgery for fracture of long bone metastases S478
Emergency Medicine, Dept. of Orthop. Surg., Kansai Medical Univ. Hosp. Yuki Yamashita
- Po25-8 Evaluation of treatment validity for metastatic bone tumors of the extremities based on prognostic scoring system S479
Dept. of Orthop. Surg., Kumamoto Chuo Hosp., Kumamoto, Japan Yosuke Kawatani
- Po25-9 The study of patients with pathological fracture of bone metastasis who underwent surgery to improvement locomotive syndrome in cancer patients S479
Dept. of Orthop. Surg., Yamagata Prefectural Central Hosp. Ken Tanaka

ePoster26 Compartment Syndrome

- Po26-1 A case of distal radius fracture with forearm compartment syndrome S480
Chutoen General Medical Center Keika Nishi
- Po26-2 The outcome of lower leg compartment syndrome associated with tibial fracture S480
Dept. of Orthop. Surg., Kyoto Okamoto Memorial Hosp., Kyoto, Japan Daisuke Takada
- Po26-3 A Case of Compartment Syndrome Caused by Anterior Tibial hematoma Required Differential Diagnosis of Chronic Expanding Hematoma S481
Chikugo City Hosp., Fukuoka, Japan Shinichiro Tanaka
- Po26-4 A case of triplane fracture with compartment syndrome S481
Kyoto Okamoto Memorial Hosp. Kyuya Toguchida
- Po26-5 A case of Compartment syndrome of the foot which requires an ingenious method of internal fixation and soft tissue management S482
Dept. of Orthop., Univ. of Gunma Yuhei Hatori
- Po26-6 Two cases in which a reduction incision was successful for compartment syndrome triggered by a pit viper bite S482
St.Mary's Hosp. Mototaka Komori

ePoster27 Fracture with Vascular and Organ Injury

- Po27-1 The effectiveness of plate fixation for multiple rib fractures with pulmonary contusion S483
Kameda Medical Center, Dept. of Orthop., Hand and Microsurgery Center, Chiba, Japan Hayato Kuno
- Po27-2 A case report of an intravenous balloon placed preoperatively due to acetabular fracture S483
Japanese Red Cross Society Kyoto Daiichi Hosp. Hiroki Matano
- Po27-3 Repairment of postoperative hernia with acetabular fracture: case report S484
Dept. of Orthop. Surg., Kochi Health Sciences Center, Kochi, Japan Yasuaki Yamakawa
- Po27-4 A case of fragility fractures of the pelvis with delayed bladder and bowel dysfunction S484
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine, Kyoto, Japan Takashi Seya
- Po27-5 A case of pelvic ring fracture with traumatic testicular dislocation S485
Dept. of Orthop. Surg., Ishikawa Prefectural Central Hosp., Kanazawa, Ishikawa, Japan Kenji Fujita
- Po27-6 Delayed Brachial Artery Reconstruction after Traumatic Injury S485
Tokyo Metropolitan Bokutoh Hosp. Emergency and Tertiary Care Center Yoshiyuki Matsuyama

ePoster28 Pediatric Periarticular Fracture of the Elbow

- Po28-1 Monteggia lesion and ipsilateral humeral supracondylar and distal radial fracture in a young girl: A case report S486
Showa Univ. Fujigaoka Hosp. Ryu Igaki
- Po28-2 A case of Bado TypeI old Monteggia fracture in children with the external fixator "M2 MultiPlanar MiniRail" S486
Murakami Surgical Hosp., Fukuoka, Japan Seiichi Inoue
- Po28-3 Ulnar Osteotomy with Ilizarov Mini Fixator for Neglective Monteggia Lesion in Children S487
Dept. of Orthop. Surg., Tokushima Municipal Hosp., Tokushima, Japan Ryosuke Sato
- Po28-4 A case of pediatric trans-olecranon fracture dislocation of the elbow S487
Dept. of Orthop., Iizuka Hosp. Yota Matsumoto
- Po28-5 A case of osteochondral flap fracture of the ulnar coronoid process associated with elbow dislocation in a child S488
Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kanazawa Univ., Ishikawa, Japan Yuta Nakamura
- Po28-6 T-condylar Fractures of the Distal Humerus in adolescence with Lateral Para-Olecranon Approach; A Case Reports S488
Sapporo Higashi Tokushukai Hosp. Toshiki Yoshino

ePoster29 Pediatric Forearm and Hand Fractures

- Po29-1 Examination of Kirschner wire transfixation and postoperative displacement risk in fractures in the distal third of the radius in children S489
Dept. of Orthop. Surg., Kashibaseiki Hosp. Hiroki Kishi
- Po29-2 Two cases of deformity correction surgery by dorsal approach in pediatric distal radius delay healing fractures S489
Japanese Red Cross Shizuoka Hosp. Fumiya Kojima
- Po29-3 Treatment by elastic stable intramedullary nailing (ESIN) for pediatric forearm fractures S490
Dept. of Orthop., Sanda City Hosp., Hyogo, Japan Yuta Nakamatsu
- Po29-4 Masquelet technique for infected distal radius metaphyseal nonunion after pinning in a child S490
Dept. of Orthop., Urayasu Hosp., Juntendo Univ., Chiba, Japan Nana Ito
- Po29-5 A case of Arthroscopically assisted central physeal bar resection for partial physeal arrest of the distal radius S491
Dept. of Orthop. Surg., Iwata City Hosp. Takato Oishi
- Po29-6 Early Corrective Osteotomy for a Symptomatic Distal Radius Malunion in a child S491
Dept. of Orthop. Surg., Chiba Univ. Hosp. Yuki Hosomi
- Po29-7 A case of index extensor digitorum communis tendon entrapment in a growth plate injury of distal radius (volarly displaced type) S492
Dept. of Orthop. Surg., Ishikiriseiki Hosp. Yusuke Mori
- Po29-8 Acute plastic bowing deformation of the forearm with limitation of forearm rotation in adolescent age: Two case reports S492
Matsue City Hosp. Toshiaki Aoki
- Po29-9 Acute plastic bowing of the radius with the ulnar fracture; Report of two cases S493
Orthop. Surg., Hokusetsu General Hosp., Osaka, Japan Naoki Ueda
- Po29-10 Surgical treatment for scaphoid nonunion in children S493
Dept. of Orthop. Surg., Showa Univ. School of Medicine Ryosuke Koshio
- Po29-11 Surgical treatment for the O'Brien type B thumb metacarpal base fracture in a child: A case report S494
Dept. of Spine and Orthop. Surg., Japanese Red Cross Medical Center Yuko Yagi

ePoster30 Pediatric Lower Extremity

- Po30-1 A case of difficulty in selecting treatment for pediatric femoral diaphyseal fracture S494
Tannan Hosp. Arisa Kubota
- Po30-2 A case of femoral neck fracture in a child reduced by incision of the joint capsule S495
Dokkyo Medical Univ. Hosp. Takuto Kumagai
- Po30-3 Treatment experience of pediatric femoral neck fracture in a child with severe intellectual disability S495
Japanese Red Cross Wakayama Medical Center Takeshi Furukawa
- Po30-4 Withdrawn S496
- Po30-5 The distal tibial epiphyseal injury in children S496
Dept. of Orthop., Tsukuba Medical Center Hosp., Ibaraki, Japan Shota Nakagawa
- Po30-6 Clinical results after the surgery of triplane fracture at our hospital S497
Akashi Medical Center Genta Fukumoto
- Po30-7 A case report of bilateral epiphyseal separation of proximal tibia within a year S497
Tokuyama Central Hosp., Japan Community Health care Organization, Yamaguchi, Japan Yusuke Ichihara
- Po30-8 Two cases of surgical treatment for proximal tibia epiphysis fractures ... S498
Fujioka General Hosp. Takuro Kuboi

ePoster31 Most Dangerous Playground Equipment for Children

- Po31-1 Consideration of playground equipments which caused pediatric fractures.
Which playground equipments is the highest risk of pediatric fractures? S498
Kitakyusyu General Hosp. Natsuki Hara

ePoster32 Medical cooperation in treatment

- Po32-1 Cooperation between Hand surgeons and therapists for upper extremity injury in Ibaraki prefecture S499
Dept. of Orthop. Surg., Ibaraki Seinan Medical Center Hosp., Ibaraki, Japan Harumitsu Ichimura
- Po32-2 Possibility of remote surgery support using smart glasses S499
Dept. of Orthop., Kameda Medical Center Takashi Kameoka
- Po32-3 The case of effectively using a fire helicopter for Gustilo type IIIC Severe Open Fracture treatment S500
Dept. of Emergency and Critical Care Medicine, Nara Medical Univ. /
Dept. of Orthop. Surg., Nara Medical Univ. Yudai Yano

ePoster33 Simulacrum bone

- Po33-1 Investigation of needs for intraoperative fluoroscopic imaging education during fracture surgery using simulated model bones S500
Dept. of Orthop. Surg., Univ. of Tsukuba Yohei Yanagisawa
- Po33-2 Evaluation of insertion of intramedullary nail distal locking screws using the wire axial image insertion technique S501
Dept. of Orthop. Surg., Tokyo Metropolitan Hiroo Hosp., Tokyo, Japan Toshihide Sato

ePoster34 Patellar Fractures

- Po34-1 Outcome of osteosynthesis with mini plate for multifragment fracture of the patella S501
Dept. of Emergency Medicine, Sapporo Medical Univ., Sapporo, Japan Mitsumasa Chiba