The 97th Annual Meeting of the Japanese Orthopaedic Association (II)

May 23-26, 2024 Fukuoka Congress President: Morio Matsumoto, M.D. Department of Orthopaedic Surgery, Keio University School of Medicine

8 . 00 . 3	9:00	100-year lifespan lecture 2	Moderator K. Takeshita
3-1-100YL	2 Soci	ial security system in aging society ·····	······Shigekazu Komoto, MHLW···S644
9:15~	10:15	Special lecture 3	Moderator Y. Toyama
3-1-SL3	The imp	oact of digital technology on health · · · · · · · · · · · · · · · · · · ·	Jun Murai, Keio UnivS644
10:30 ~	~ 11 : 30	Keynote lecture	Moderator Y. Nakashima
3-1-KL		a life-long active society: The role of orthopaedic s	
12:00 ~	~ 13:10	Luncheon seminar 24	Moderator Y. Inaba
3-1-LS24-3	2 Prev	articular joint infection and the history of antimicro	p. Surg., Yokohama Sakae Kyosai HospS646 dine-coated implants
13:25 ~	~ 14 : 25	Memorial lecture	Moderator K. Yamamoto
3-1-ML			
5-1-IVIL	Achie	oing an inclusive society through sports - The Olymwements & issues: Tokyo's legacy goes on to Paris Seiko Hashimoto, Member of the House	
	Achie	vements & issues: Tokyo's legacy goes on to Paris	
	Achiev	vements & issues: Tokyo's legacy goes on to Paris	se of Councillors, National Diet of Japan…S647 Moderator K. Takahashi medicine
14:40 ^ 3-1-CFL2	Achiev	vements & issues: Tokyo's legacy goes on to Paris	se of Councillors, National Diet of Japan…S647 Moderator K. Takahashi medicine nced Medical Engineering Research and
14:40 ^ 3-1-CFL2	Achievant Achiev	vements & issues: Tokyo's legacy goes on to Paris	Moderator K. Takahashi medicine nced Medical Engineering Research and Development (CAMED), Kobe UnivS647 Moderators Y. Matsuyama, R. Kuroda primasa Iwasaki, Dept. of Orthop. Surg.,
14:40 ^ 3-1-CFL2 15:55 ^ The fe	Achievalue	vements & issues: Tokyo's legacy goes on to Paris Seiko Hashimoto, Member of the House Create the future lecture 2 To a near-future operating room that realizes future in the future operating room that realizes future in the field of the section of scientific meetings To you have the future lecture 2 Symposium 50 Symposium 50 Symposium 50 Symposium 50 Faculty of Medicine and Gradu ganization and integration of societies in the field of the field o	Moderator K. Takahashi medicine nced Medical Engineering Research and Development (CAMED), Kobe UnivS647 Moderators Y. Matsuyama, R. Kuroda Primasa Iwasaki, Dept. of Orthop. Surg., ate School of Medicine, Hokkaido UnivS648 Forthopaedic sports and knee surgery

3-1-S50-4	The future of academic societies: Ahead of SWJ2025	amamatsu Univ School of Modicino\$640				
3-1-S50-5	Yukihiro Matsuyama, et al., Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine S649 Challenges and initiatives for promoting diversity in orthopaedic surgery Kazuyo Yamauchi, Dept. of Community-Oriented Medical Education, Graduate School of Medicine, Chiba Univ S650					
3-1-S50-6	Considering the joint holding of scientific meetings from a c					
	······································	onishi, Nippon Zoki Pharmaceutical···S650				
17:30 ~ 1	18:30 Create the future lecture 3	Moderator S. Ohtori				
3-1-CFL3-1	Japan government support projects for developing diagnosmedical DX ·······	······Hiroya Hirose, NEDO···S651				
3-1-CFL3-2	Meeting the challenge for a new medical practice using m					
	3rd Day May 25 Room	2				
8:00~9	: 00 JOA Directors' Proposed Lecture 1	Moderator H. Akiyama				
3-2-JEL1-1 3-2-JEL1-2	The current state and future of robotic-assisted total knee a	nnovation Center, Fujita Univ, Tokyo…S652				
9:15~10	0:15 JOA Directors' Proposed Lecture 2	Moderator S. Nakajima				
3-2-JEL2	Basics of antimicrobial therapy for orthopaedic related infect					
10: 25 ~ 1 Inter-di	11:45 JOA Directors' Proposed Symposium 1 sciplinary strategies for locomotive syndrome and frailty	Moderators K. Ebata, M. Akishita				
3-2-JS1-1	Backgrounds and activities of the frailty and locomotive sync					
3-2-JS1-2	Locomotive syndrome awareness project with a view to cour					
3-2-JS1-3	Measures against locomotive syndrome and frailty in SLOC Shohi	ro Havashi Havashi Orthon Clinic…\$655				
3-2-JS1-4	Important role of rehabilitation for prevention of frail and loc	comotive syndrome				
3-2-JS1-5	Importance of fragility fracture prevention in the prevention national survey in hip fracture	of locomotion: Considerations of				
3-2-JS1-6		ancy through the prevention of				
12:00~	13:10 Luncheon seminar 25	Moderator S. Nakagawa				
3-2-LS25	How implant concept performs between different philosophy					

14:40 ~ 1	15:40 Afternoon seminar 2	Moderator K. Hayashida
3-2-AS2-1	Past, present & future of shoulder arthroplastyNaoki Suenaga, et al., Upper Extremity Center of J	Hokushin Orthop. Hosp.···S658
3-2-AS2-2	Reverse shoulder arthroplasty: Easy surgical techniques for exc 	
15:55 ~ 1 Possibil	17:15 Symposium 51 ilities for re-use of single-use surgical devices in orthopaedi	Moderators Y. Shinto, Y. Tajiri
3-2-S51-1	Expectations for emerging remanufactured single-use medical d	
3-2-S51-2	Reuse and remanufacturing of single-use medical devices	
3-2-S51-3	Arthroscopic-related surgical instruments that should be reused Yasuyuki Ishibashi, Dept. of Orthop. Surg., Hirosaki Un	l
3-2-S51-4	Spine-related surgical instruments that should be reused Sadayuki Ito, et al., Dept. of Orthop./Rheumatology, Musco Program in Integrated Medicine, Graduate So	ıloskeletal and Cutaneous Surg.,
3-2-S51-5	Feasibility of reuse of single-use surgical devices in external fixaNobuyuki Takenaka, Dept. of Trau	tion devices
17:30 ~ 1	18:30 Create the future lecture 4	Moderator T. Iwamoto
3-2-CFL4-1 3-2-CFL4-2	· · · · · · · · · · · · · · · · · · Taiki Nozaki	, Dept. of Radiology, Keio Univ.···S662
		, Dept. of Radiology, Keio Univ.···S662
	Legal and ethical responsibility for the use of AI	, Dept. of Radiology, Keio Univ.···S662
3-2-CFL4-2	Legal and ethical responsibility for the use of AI	, Dept. of Radiology, Keio UnivS662 Sekiya & Munakata Law OfficeS662 Moderator A. Matsumine
3-2-CFL4-2 8:00~9	Legal and ethical responsibility for the use of AI Yu Munakata, 3rd Day May 25 Room 3 O: 00 JOA Directors' Proposed Lecture 3 Current status of medical lawsuits in orthopaedics Susumu Nakajima, et al., Dept. of F	, Dept. of Radiology, Keio UnivS662 Sekiya & Munakata Law OfficeS662 Moderator A. Matsumine
$3-2-CFL4-2$ $8:00 \sim 9$ $3-3-JEL3$ $9:15 \sim 10$ $3-3-JEL4-1$	Legal and ethical responsibility for the use of AI Yu Munakata, 3rd Day May 25 Room 3 Current status of medical lawsuits in orthopaedics Susumu Nakajima, et al., Dept. of F O: 15 JOA Directors' Proposed Lecture 4 Neck pain due to cervical spine Masahiko Watanabe, Dept. of Orthop. Sur	Moderator A. Matsumine Patient Safety, Toranomon HospS663 Moderator S. Ohtori g., Surgical Science, Tokai UnivS664
$3-2-CFL4-2$ $8:00 \sim 9$ $3-3-JEL3$ $9:15 \sim 10$	Legal and ethical responsibility for the use of AI Yu Munakata, 3rd Day May 25 Room 3 Current status of medical lawsuits in orthopaedics Susumu Nakajima, et al., Dept. of F O: 15 JOA Directors' Proposed Lecture 4 Neck pain due to cervical spine Masahiko Watanabe, Dept. of Orthop. Sur Low back pain	Moderator A. Matsumine Patient Safety, Toranomon HospS663 Moderator S. Ohtori g., Surgical Science, Tokai UnivS664
$3-2-CFL4-2$ $8:00 \sim 9$ $3-3-JEL3$ $9:15 \sim 10$ $3-3-JEL4-1$ $3-3-JEL4-2$ $10:25 \sim 1$	Legal and ethical responsibility for the use of AI Yu Munakata, 3rd Day May 25 Room 3 Current status of medical lawsuits in orthopaedics Susumu Nakajima, et al., Dept. of F O: 15 JOA Directors' Proposed Lecture 4 Neck pain due to cervical spine Masahiko Watanabe, Dept. of Orthop. Sur Low back pain	Moderator A. Matsumine Patient Safety, Toranomon HospS663 Moderator S. Ohtori g., Surgical Science, Tokai UnivS664 Institute of Biomedical Sciences,

3-3-JS2-3	The innovation of osteoporosis treatment: Deve for bone analysis from chest radiographs	lopment and social impact of AI medical devices
	······Yoichi Sato,	et al., Nagoya Univ. Graduate School of Medicine…S666
3-3-JS2-4	Artificial intelligence-based image analysis of th	
		ura, et al., Dept. of Orthop. Medical Engineering,
		Graduate School of Medicine, Osaka Univ.···S666
3-3-JS2-5	The evolution of medical AI research: From im-	age AI to language AI
		······Ryuichi Nakahara, Dept. of Orthop. Surg.,
		ecovery and Reconstruction, Faculty of Medicine,
	Dentist	ry, and Pharmaceutical Sciences, Okayama Univ.···S667
12:00~	13:10 Luncheon seminar 26	Moderator N. Miyakoshi
3-3-LS26	Rethinking the effectiveness and safety of long-t	erm treatment based on a correct
	understanding of bone density and bone qualit	
		Orthop. Surg., The Jikei Univ. School of Medicine…S668
13:25~	14:25 JOA/AAOS combined program ins	
		Moderators Y. Nakashima, S. Demura
3-3-ICL1-1	Fixation of periprosthtic distal femur fractures	3
	······Pa	ul Tornetta, III, Boston Univ., Boston, MA, USA···S669
3-3-ICL1-2	Surgical considerations in the elderly patient	with spinal deformity
		Steven D. Glassman, Orthop. Surg.,
	Univ. of L	ouisville School of Medicine, Louisville, KY, USA…S669
14:40~	15:40 JOA/AAOS combined program ins	structional course lectures 2
11.10	10 10 bory rates combined program in	Moderators M. Watanabe, H. Murakami
3-3-ICL2-1	The future direction of decision making in spi	
		Surg, Cedars Sinai Hosp., Los Angeles, CA, USA···S670
3-3-ICL2-2	Surgery for cervical spondylotic myelopathy	
	The F	Cmory Orthop. & Spine Center, Atlanta, GA, USA···S670
15:55~	17:25 JOA/AAOS combined symposium	Moderators E.O. Klineberg, K. Watanabe
3-3-CS-1	Cervical myelopathy in elderly patients: Indicati	
		·····John G. Heller, Dept. of Orthop Surg.,
	The I	Emory Orthop. & Spine Center, Atlanta, GA, USA···S671
3-3-CS-2	Optimal treatment strategy for acute traumatic	ervical spinal cord injury in older adults
	············Hirotaka Chikuda, Dept. of Orthop. S	Surg., Gunma Univ. Graduate School of Medicine…S671
3-3-CS-3		patients with symptomatic lumbar degenerative
		Steven D. Glassman, Orthop. Surg.,
	Univ. of L	ouisville School of Medicine, Louisville, KY, USA…S672
3-3-CS-4	The current recommendations and indications i	or the surgical treatment of lumbar degenerative
	diseases in elderly patients	
	······ Mitsuru Yagi, Dept. of Orthop	. Surg., International Univ. of Health and Welfare \cdots S672
3-3-CS-5	The management of spine metastasis in the elde	
		Surg, Cedars Sinai Hosp., Los Angeles, CA, USA…S673
3-3-CS-6	Treatment of spinal fracture in elderly patient	
	·····Daisuke Togawa,	Dept. of Orthop. Surg., Kindai Univ. Nara Hosp.···S673

17:30	~ 18:30	KOA special le	ecture			Mode	erator	R. Kuroda
3-3-KSL 3-3-KSL	-2 Advant	tage of PAP surge	<i>yung Chul Lee</i> ry in cervical	spine Suk, Dept	. of Orthop.	g., SNU Seoul Hosp Surg., Gangnam Se College of Medicin	everan	ce Hosp.,
			3rd Day	May 25	Room 4			
8:00	~ 9:00	Instructional lec	ture 44			Moder	ator	K. Horiuchi
3-4-EL4		tion of muscle mai		-	-	nal stromal cells Ied. Inst. of Bioreg	., Kyus	hu UnivS675
9:15	~ 10:15	Instructional le	cture 45			Moderato	or H.	Nagashima
3-4-EL45		nent of pain cause			pt. of Ortho	o. Surg., Fukushima	a Medi	cal UnivS675
12:00	~ 13:10	Luncheon sem	ninar 27			Mo	oderat	or K. Ikari
3-4-LS27						arthritis aimed at s Orthop. Surg., Nara		
13:25	5 ~ 14 : 25	Free papers	Pain		1	T 1 4 TZ 37	mada	, Y. Oshima
								-
3-4-1 3-4-2 3-4-3 3-4-4 3-4-5 3-4-6	patients winder the patients winder the patients winder the patients with chronic arthroplas with chronic Association with the patients with the pa	rospective study or vospective study or vospec	non-inferiority of the hip and	knee (RET) Gradu Gradu Ain and synce Dept. of Ortle central sen s of the hip Yohei herapy for C hers and mus op./Rheuma hed Medicin he developm	ring acetam HINK) t al., Dept. of tate School ovitis: Ultras thop. Surg., I sitization be Yamabe, et of ancer, Mie I en severity a Moriki, et a sculoskeleta atology, Mu e, Graduate ent of deme	inophen and NSAII f Orthop. Surg., Cli of Medical Sciences ound power dopple Kochi Medical Scho fore and after total d., Dept. of Muscul Jniv. Graduate Scho and central sensitiza d., Dept. of Reha., S pain: The Yakumo sculoskeletal and C School of Medicine ntia: LOHAS study o. Surg., Fukushima	Ds in e	Iderly Medicine, hu Univ.···S677 rsis chi Univ.···S677 tal Surg., Medicine···S678 patients Orthop.···S678 us Surg., oya Univ.···S679
3-4-2 3-4-3 3-4-4 3-4-5 3-4-6	patients winder the patients winder the patients winder the patients with chronic arthroplas with chronic Association with the patients with the pa	rospective study or vospective study or vospec	non-inferiority of the hip and	knee (RET) Gradu Gradu in and synce Dept. of Ortle central sents of the hip White in the central sents of the hip Kento error and must op./Rheuma ed Medicine developm o, et al., Dep	ring acetam HINK) t al., Dept. of tate School ovitis: Ultras thop. Surg., I sitization be Yamabe, et a ancer, Mie I en severity a Moriki, et a sculoskeleta atology, Mu e, Graduate ent of deme ot. of Ortho	inophen and NSAII f Orthop. Surg., Cli of Medical Sciences ound power dopple Kochi Medical Scho fore and after total d., Dept. of Muscul Jniv. Graduate Scho nd central sensitiza d., Dept. of Reha., S pain: The Yakumo sculoskeletal and C School of Medicine ntia: LOHAS study	Ds in e inical M s, Kyus r analy ool, Koo hip oskele ool of M ation in hinoro study utaneo e, Nago	Iderly Medicine, hu Univ.···S677 rsis chi Univ.···S677 tal Surg., Medicine···S678 patients Orthop.···S678 us Surg., oya Univ.···S679 cal Univ.···S679
3-4-2 3-4-3 3-4-4 3-4-5 3-4-6	patients winder the patients winder the patients winder the patients with chronic arthroplas with chronic Association with chronic Association with chronic arthroplas with chronic Association with chronic arthroplas with a winder the patients with a winder the winde	rospective study or	non-inferiority of the hip and	knee (RET) Gradu Gradu Ain and synce Dept. of Ortle central sen s of the hip Figure 1 of Country Gradu Ain and synce Ain and syn	ring acetam HINK) t al., Dept. of tate School ovitis: Ultras thop. Surg., I sitization be Yamabe, et a ancer, Mie I en severity a Moriki, et a sculoskeleta atology, Mu e, Graduate ent of deme	f Orthop. Surg., Cli of Medical Sciences ound power dopple Kochi Medical Scho fore and after total d., Dept. of Muscul Jniv. Graduate Scho nd central sensitiza d., Dept. of Reha., S. pain: The Yakumo sculoskeletal and C School of Medicine ntia: LOHAS study o. Surg., Fukushima	Ds in e inical M s, Kyus r analy ool, Koo hip oskele ool of M ation in hinoro study utaneo e, Nago	Iderly Medicine, hu Univ.···S677 rsis chi Univ.···S677 tal Surg., Medicine···S678 patients Orthop.···S678 us Surg., oya Univ.···S679 cal Univ.···S679
3-4-2 3-4-3 3-4-4 3-4-5 3-4-6	patients winder the patients winder the patients winder the patients winder the patients arthroplas with chrone the patients are the pat	rospective study or what suki Sugi c pain, pain catastisty in patients with pain self-efficacy or between sensory adayuki Ito, et al., I Programonic pain is a rismonic pain is a rismonic pain is a rismonic pain to a rismonic pain is a rismonic pain to a rismon	non-inferiority of the hip and	knee (RET) Gradu Gradu Ain and synce Dept. of Ortle central sens of the hip France of Control server of Ortle central sens of the hip France of Ortle central sens of the hip France of Ortle Control Server of Ortle Server o	ring acetam HINK) t al., Dept. o late School vitis: Ultras hop. Surg., I sitization be Yamabe, et o ancer, Mie I en severity a Moriki, et a sculoskeleta atology, Mu e, Graduate lent of deme obt. of Ortho 1 3 Mode s 5th year lallenges in	f Orthop. Surg., Cli of Medical Sciences ound power dopple Kochi Medical Scho fore and after total d., Dept. of Muscul Jniv. Graduate Scho nd central sensitiza d., Dept. of Reha., S. pain: The Yakumo sculoskeletal and C School of Medicine ntia: LOHAS study o. Surg., Fukushima	Ds in e inical M s, Kyus r analy ool, Koo hip oskele ool of M attion in hinoro study utaneo e, Nago a Medi chi, S.	Medicine, thu UnivS677 rsis chi UnivS677 tal Surg., MedicineS678 patients OrthopS678 us Surg., oya UnivS679 Cal UnivS679 Gomibuchi

3-4-JS3-3				correspondence in se			ommittee y, Kitasato UnivS681
3-4-JS3-4	Probler	ns and issues tha	at emerge from data	a cleansing			agement Office···S681
3-4-JS3-5	The cha	aracteristics of J	OANR from a softwa	are engineer's perspe	ective		ist Doctors Inc.···S682
16:15	~ 17:15	Free papers	ACL 2	Mod	lerators	M. N	ozaki, S. Taketomi
3-4-7	Age-relat	ed microstructu	ral changes compar	ruction in child and a red to semitendinosus 	s tendon use, et al.,	Dept. o	
3-4-8	grade 3 p	ivot shift ACL inj	construction improv juries: Quantitative	ves postoperative kne evaluation under ane	ee rotation sthesia	al insta	
3-4-9	Difference reconstru	of ligamentizatio uction: Quantitat	on according to gradive assessment usin	it type after anterior of the type after anterior of the UTE-T2* mapping	cruciate li _i da, et al.,	gament Dept. o	
3-4-10	grafts on	second-look artl	sions between bone proscopy following	-patellar tendon-bone anterior cruciate liga	grafts an	d hams	tring tendon
3-4-11	Factors rel	ated to recovery action surgery in	of quadriceps muse patients over 40 ye Y	cle strength after anto ars Yoshiyuki Senga, et al.,	erior cruc , Dept. of	iate lig Muscu	ament
3-4-12	contralate	phenomenon in a eral non-injured l	anterior cruciate lig knee	ament injured knee i	s associat	ed with	
17:30	~ 18:30	Free papers	Spinal trauma		Moder	ators	T. Tsuji, K. Wada
3-4-13	spinal co	rd injury		y injury associated wi			
3-4-14	Diffuse idi minor tra	opathic skeletal l numas	hyperostosis induce	es severe cervical spir	nal cord ii	njury d	oss Kobe HospS686 espite of a Medical UnivS686
3-4-15	Diffuse idi non-traui	opathic skeletal l natic cervical sp	hyperostosis is a ris inal cord injury	k factor for cervical s	spinal can	al steno	
3-4-16	treatmen	on is an independ nt for osteoporoti	lent risk factor for r ic vertebral fracture	esidual severe disabi es	lity after o	conserv	
3-4-17	Relationsh (VBS) an	ip between reduc d AO spine-DGC	ction rate of vertebr OU osteoporotic frac	ral body height by ver cture classification	rtebral bo	dy sten	

3-4-18 Risk factors for dysphagia in elderly patients with cervical spinal cord injury: Involvement of preinjury nutritional status

······*Naoki Segi, et al.*, Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,

Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S688

8:00	~ 9:00 Fre	e papers	Lumbar spine pathology	Moderators	O. Shirado, T. Sakai
3-5-1			ect on low back pain of lumbar Sch		
3-5-2			s for the occurrence of Modic chan <i>Kenji Kobayashi, et al.</i> , Dept. of O		
3-5-3	with lumbar o	degenerativ			
3-5-4	Clinical impact	of surgical	ke Takahashi, et al., Dept. of Ortho treatment on lipid metabolism in pa nbar spinal diseases		
3-5-5	••••••				
			re ······Y Institute of Biomedical Scien	utaka Kinoshita, et a	l., Dept. of Orthop.,
3-5-6			ted with intervertebral disc degene ·······Hayato Ito, e		p. Surg., Saga UnivS691
9:15	~ 10 : 00 J ()A academ	ic encourage award	Mod	derator N. Hosogane
3-5-AE-1 3-5-AE-2	tissue de	struction an	nd -2 are important regulators of journal inflammation in osteoarthritis	Kawata, Dept. of Mpt. of Orthop. Surg.,	Iolecular Medicine, The Univ. of Tokyo…S692
	physical p	performance			
3-5-AE-3	Reconst B High tibial accompa	ruction, Fac osteotomy nied by mac	culty of Medicine, Dentistry, and Pl reduces symptoms and synovial inf crophage phenotypic change from 1	harmaceutical Sciend flammation in knee o M1 to M2	ces, Okayama Univ.···S692 osteoarthritis
			·····Shigeo Yoshida, et al.		
10:30			s Computer assisted surgery		s H. Kaneko, T. Sato
3-5-7	robot and pa	tient-adapti	y safety: Comparison of CBT screw we guides chika, et al., Dept. of Orthop. Surg.		
3-5-8	Accuracy of ro THA using t	obotic arm-a he DAA in s	assisted versus CT-based navigation supine position	n for cup orientation	and positioning in
3-5-9	Corrective os	teotomy for	al., Dept. of Orthop. Surg., Yamagi malunited distal radius fracture us	ing the augmented r	eality (AR)

3-5-10	Measurement of the acetabular cup orientation a reconstruction from radiographs using genera	tive adversarial networks
3-5-11	Intra-operative passive flexion kinematics of oste	
3-5-12	Evaluation of the usefulness of Mako system dur Accuracy of the enhance mode · · · · · · · · · · · · · · · · · · ·	, Dept. of Orthop. Surg., Nishinomiya Kaisei Hosp.···S696 ing stem placement of total hip arthroplasty: ····································
12:00	~ 13:10 Luncheon seminar 28	Moderator T. Miyamoto
3-5-LS28		steoarthritis rthop. Surg., Sensory and Motor System Medicine, s, Graduate School of Medicine, The Univ. of Tokyo…S697
	~ 14 : 25 Free papers Pain & pathophysiology	Moderators K. Uchiyama, M. Akutsu
3-5-13	Etiology and epidemiology of osteoarthritis of th	
3-5-14		······· <i>Taishi Sato, et al.</i> , Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kyushu Univ.···S698
		Figure 1. Shinichi Ueki, et al., Dept. of Orthop. Surg., f Biomedical and Health Sciences, Hiroshima UnivS698
3-5-15	Relationship between osteoarthritis due to devel the sacroiliac joint	opmental dysplasia of the hip and degeneration of
3-5-16	Taketoshi Yasuda, et al., Dept. of C Frequency of greater trochanter fractures in anto	rthop. Surg., Faculty of Medicine, Univ. of Toyama···S699 erolateral sunine approach THA and the effect of
0 0 10	greater trochanter morphology on fractures	
3-5-17		rthop. Surg., Hamamatsu Univ. School of Medicine…S699
3 3 17		pt. of Orthop. Surg., Juntendo Univ. Urayasu Hosp.···S700
3-5-18	Effect of total hip arthroplasty on bone mineral of	ensity: A study using an AI osteoporosis
	diagnostic assistance system Hisatoshi Ishikura, et al., Dept. of Orthop. S	urg., The Univ. of Tokyo Hosp., The Univ. of Tokyo…S700
14:40	~ 16:00 Symposium 52	Moderators A. Sakai, T. Miyamoto
Osteo	oporosis liaison service and prevention of se	condary fractures
3-5-S52-1		ractures of the distal radius • Yoshiaki Yamanaka, et al., Dept. of Orthop. Surg., e, Univ. of Occupational and Environmental Health…S701
3-5-S52-2		· ·
0.5.050	·····Naohisa Miyakoshi, et al., Dept. of Orth	op. Surg., Akita Univ. Graduate School of Medicine…S701
3-5-S52-3		e for hip fractures <i>l.</i> , Dept. of Orthop. Surg., Shimada Medical Center…S702
3-5-S52-4		
0.5.050.5		ept. of Orthop. Surg., Nishinomiya Watanabe Hosp.···S702
3-5-S52-5		nd clinics in secondary prevention of osteoporotic Dept. of Orthop. Surg., Seirei Sakura Citizen HospS703

16:15	~ 17 : 15	Instructional	lecture 46			Moderator T. I	Kitamura
3-5-EL46		tation therapy of			ara, et al., Maruta	amachi Rehabilitation C	Clinic…S704
17:30	~ 18 : 30	Free papers	Rotator cuff	tear	Moderators	N. Taniguchi, N. Ya	mamoto
3-5-19	humeral h	ead				nting superior migratio amoto General Hosp. Jo	
3-5-20	Assessmen after prim	at of the tear patt nary rotator cuff	ern using radia repair	al-slice magne	etic resonance im	ages and the retear rat nikawa-Kosei General F	e
3-5-21	Factors ass undergoin	sociated with hist ng arthroscopic	tological deger rotator cuff rep	neration of the pair	e rotator cuff tend	lon stump in patients Sciences, Kumamoto	
3-5-22	Long-term cuff musc	postoperative re culature	sults of rotator	cuff tear case	es based on reco	very of the rotator	
3-5-23	Patient cha	racteristics and	surgical outcor	me of rotator	cuff tears with a s kara Watanabe, e	Medical Center Azumi F remnant attached to t al., Dept. of Orthop. Son Sciences, Hiroshima	Surg.,
3-5-24			gnaling in a mo	odified rotator	r cuff tear arthro _l Tomohiro Iuchi, e	,	Surg.,
			Graduate	School of Mi	cuicai anu Dentai	Sciences, Ragosinina	Olliv. Stot
			3rd Day	May 25	Room 6		
8:00~	9:00	Invited lecture	17			Moderator	K. Sato
3-6-IL17-	Wrist f	ractures and ske				tal, Dept. of Orthop. S al Center, Boston, MA,	
3-6-IL17-2					established hosp		
	•••••	••••••	• • • • • • • • • • • • • • • • • • • •	······Masar		t al., Dept. of Orthop. S Univ. of Health and We	
9:15~	10:15	Invited lecture	2 18			Moderator	E. Horii
3-6-IL18-		nt understanding	• •	•	ept. of Hand & Re	econstructive Microsur	gery,
3-6-IL18-2	2 Currei	nt understanding	of thumb poly	dactyly ·····	···· Takehiko Tak	stem, Singapore, Singa agi, Dept. of Orthop. S ld Health and Develop	Surg.,
10:25	~ 11 : 45	Fellow sessio	n			Moderator T. F	Kunisada
3-6-FS-1 3-6-FS-2	A sports	surgeons exper	elly K. Hynes, I ience in Afghar	Dept. of Orthonistan and be	op. Surg., Univ. of yond	f Chicago, Chicago, IL,	
	•••••					ald, Dept. of Orthop. S Diego, San Diego, CA,	

3-6-FS-3	Controversies in the management of minimally displaced ring fractures ······ Joshua A. Parry, Dept. of Orthop.	
3-6-FS-4	Comparative utilization of laminoplasty in the United Sta	tes and Japan
	Byron	F. Stephens, et al, Dept. of Orthop. Surg., Jniv. Medical Center, Nashville, TN, USA…S711
3-6-FS-5	AI driven wearable/interactive technology for quantitative	
3-6-FS-6		r fixation in posterolateral corner n analysis
3-6-FS-7	Is surgical treatment of jones fracture still necessary?: A foot function index-revised short form questionnaire	
3-6-FS-8		uture anchors used in arthroscopic
	J	
2 C EC 0		Univ., Ilsan Paik Hosp., Goyang-si, Korea···S713
3-6-FS-9	The role of intra-articular injection of platelet-rich plasma A placebo-controlled randomized controlled trial	a in patients with knee osteoarthritis:
	Lewis Ping-Keung Chan, Dept. of	of O&T, Univ. of Hong Kong, Hong Kong…S714
12:00 ~	~ 13:10 Luncheon seminar 29	Moderator M. Ikeuchi
3-6-LS29	Osteoarthritis of the knee treatment based on treatment PRP therapy ····································	
	, , , , , , , , , , , , , , , , , , ,	
	~ 14:25 Free papers & elbow: Nerve & tendon	Moderators M. Kameyama, R. Oda
Hand	~ 14:25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition
Hand 3-6-1 (~ 14:25 Free papers & elbow: Nerve & tendon	ition ., Japanese Red Cross Hamamatsu HospS716 ed specific ADL movements based on
Hand 3-6-1 (3-6-2 T	**25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition "Japanese Red Cross Hamamatsu Hosp.···S716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima Univ.··S716 in the carpal tunnel
Hand 3-6-1 (3-6-2 T) 3-6-3 A	**25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition "Japanese Red Cross Hamamatsu HospS716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima UnivS716 the carpal tunnel ept. of Orthop. Surg., Fujita Health UnivS717 iagnosing cubital tunnel syndrome and Miyashima, et al., Dept. of Orthop. Surg.,
Hand 3-6-1	** 14:25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition Japanese Red Cross Hamamatsu Hosp.···S716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima Univ.···S716 the carpal tunnel ept. of Orthop. Surg., Fujita Health Univ.···S717 iagnosing cubital tunnel syndrome and Miyashima, et al., Dept. of Orthop. Surg., olitan Univ. Graduate School of Medicine···S717 struction
Hand 3-6-1 C 3-6-2 T 3-6-3 A 3-6-4 T 3-6-5 U	** 14:25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition "Japanese Red Cross Hamamatsu Hosp.···S716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima Univ.···S716 in the carpal tunnel ept. of Orthop. Surg., Fujita Health Univ.···S717 iagnosing cubital tunnel syndrome and Miyashima, et al., Dept. of Orthop. Surg., olitan Univ. Graduate School of Medicine···S717 struction rg., Faculty of Medicine, Univ. of Toyama···S718 thening suture method to conventional
Hand 3-6-1 C 3-6-2 T 3-6-3 A 3-6-4 T 3-6-5 U	** 14:25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depose	ition "Japanese Red Cross Hamamatsu Hosp.···S716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima Univ.···S716 in the carpal tunnel ept. of Orthop. Surg., Fujita Health Univ.···S717 iagnosing cubital tunnel syndrome and Miyashima, et al., Dept. of Orthop. Surg., olitan Univ. Graduate School of Medicine···S717 struction rg., Faculty of Medicine, Univ. of Toyama···S718 thening suture method to conventional
Hand 3-6-1 C 3-6-2 T 3-6-3 A 3-6-4 T 3-6-5 U 3-6-6 H	** 14:25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition Japanese Red Cross Hamamatsu Hosp.···S716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima Univ.···S716 the carpal tunnel ept. of Orthop. Surg., Fujita Health Univ.···S717 iagnosing cubital tunnel syndrome and Miyashima, et al., Dept. of Orthop. Surg., colitan Univ. Graduate School of Medicine···S717 struction rg., Faculty of Medicine, Univ. of Toyama···S718 thening suture method to conventional ral., Dept. of Orthop. Surg., Teikyo Univ.···S718 Moderator T. Arai
Hand 3-6-1	** 14:25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition ., Japanese Red Cross Hamamatsu HospS716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima UnivS716 in the carpal tunnel ept. of Orthop. Surg., Fujita Health UnivS717 iagnosing cubital tunnel syndrome and Miyashima, et al., Dept. of Orthop. Surg., olitan Univ. Graduate School of MedicineS717 struction rg., Faculty of Medicine, Univ. of ToyamaS718 thening suture method to conventional ral., Dept. of Orthop. Surg., Teikyo UnivS718 Moderator T. Arai . of Orthop. Surg., Saiseikai Otaru HospS719
Hand 3-6-1	** 14:25 Free papers & elbow: Nerve & tendon Consideration of carpal tunnel syndrome and amyloid depos	ition Japanese Red Cross Hamamatsu Hosp.···S716 ed specific ADL movements based on ra Kodama, et al., Dept. of Orthop. Surg., cal and Health Sciences, Hiroshima Univ.···S716 the carpal tunnel ept. of Orthop. Surg., Fujita Health Univ.···S717 iagnosing cubital tunnel syndrome and Miyashima, et al., Dept. of Orthop. Surg., colitan Univ. Graduate School of Medicine···S717 struction rg., Faculty of Medicine, Univ. of Toyama···S718 thening suture method to conventional ral., Dept. of Orthop. Surg., Teikyo Univ.···S718 Moderator T. Arai

3-6-IL19		tioning free muscle transfer for reconstr ····································	ruction of brachial plexus injury ept. of Orthop. Surg., Ogori Daiichi General Hosp.···S72
	0 ~ 18 : 30 rrent status	Symposium 53 and issues related to musculoskele	Moderators S. Arai, M. Moriyama tal screening
3-6-S53-		nt status and issues on musculoskeletal	
3-6-S53-	-2 Curre	nt status and issues of musculoskeletal e	shiro Saito, et al., Tokushima Medical Association…S72 examinations ducation, Culture, Sports, Science and Technology…S72
3-6-S53-	-3 True s	state and problem of musculoskeletal ex	
3-6-S53-	-4 Consid	derations on the results of scoliosis scre	
3-6-S53- 3-6-S53-	-5 After of The re	eare of musculoskeletal examinations ··· esult of the questionnaire research (2022)	
		3rd Day May	25 Room 7
8:00	~9:00	Instructional lecture 48	Moderator H. Hoshino
3-7-EL4		et the ball rolling: How to kick start in h	
	•••••	•по	ajime Utsunomiya, Tokyo Sports & Orthop. Clinic…S72
12:00	0 ~ 13 : 10	Luncheon seminar 30	Moderator Y. Ishibashi
12:00 3-7-LS30	$0 \sim 13:10$ 0 Patholo	Luncheon seminar 30	Moderator Y. Ishibashi
3-7-LS30	0 ~ 13 : 10 0 Patholo	Luncheon seminar 30	Moderator Y. Ishibashi onservative treatments
3-7-LS30	0 ~ 13 : 10 Patholo 5 ~ 14 : 25 Can the tibknee arth Intraoperat	Luncheon seminar 30 ogy of knee osteoarthritis and various co	Moderator Y. Ishibashi onservative treatments shida, Dept. of Rehabilitation, Nagoya Univ. HospS72 Moderators Y. Yamamoto, A. Kuwasawa e reference point to define the joint line in total et al., Dept. of Orthop. Surg., Toho Univ. (Omori)S72
3-7-LS30 13:25 3-7-1	0 ~ 13:10 Patholo O ~ 14:25 Can the tib knee arth Intraoperat reconstruct The effect of	Luncheon seminar 30 ogy of knee osteoarthritis and various co	Moderator Y. Ishibashi onservative treatments shida, Dept. of Rehabilitation, Nagoya Univ. Hosp.···S72 Moderators Y. Yamamoto, A. Kuwasawa reference point to define the joint line in total et al., Dept. of Orthop. Surg., Toho Univ. (Omori)···S72 patient-reported outcome after ACL ····· Atsuo Nakamae, et al., Dept. of Orthop. Surg., Biomedical and Health Sciences, Hiroshima Univ.··S72 by after anterior cruciate ligament reconstruction
3-7-LS3(13:25 3-7-1 3-7-2	0 ~ 13:10 Patholo The effect of the construct of the patellar displacement of the construct of the construction	Luncheon seminar 30 ogy of knee osteoarthritis and various compositions. Yoshihiro Nis Free papers Knee: General 1 ial ACL attachment be an intraoperative aroplasty? ————————————————————————————————————	Moderator Y. Ishibashi onservative treatments shida, Dept. of Rehabilitation, Nagoya Univ. Hosp.···S72 Moderators Y. Yamamoto, A. Kuwasawa e reference point to define the joint line in total et al., Dept. of Orthop. Surg., Toho Univ. (Omori)···S72 patient-reported outcome after ACL ····· Atsuo Nakamae, et al., Dept. of Orthop. Surg., Biomedical and Health Sciences, Hiroshima Univ.···S72 by after anterior cruciate ligament reconstruction daira, et al., Dept. of Orthop. Surg., Shinshu Univ.···S72 demoral ligament reconstruction for recurrent
3-7-LS30 13:25 3-7-1 3-7-2 3-7-3	O ~ 13: 10 Patholo Patholo The effect of the patellar discomparison	Luncheon seminar 30 ogy of knee osteoarthritis and various company of knee osteoarthritis and various company of knee osteoarthritis and various company of knee: General 1 ial ACL attachment be an intraoperative aroplasty? ————————————————————————————————————	Moderator Y. Ishibashi onservative treatments shida, Dept. of Rehabilitation, Nagoya Univ. Hosp.···S72 Moderators Y. Yamamoto, A. Kuwasawa e reference point to define the joint line in total et al., Dept. of Orthop. Surg., Toho Univ. (Omori)···S72 oatient-reported outcome after ACL ····· Atsuo Nakamae, et al., Dept. of Orthop. Surg., Biomedical and Health Sciences, Hiroshima Univ.···S72 of after anterior cruciate ligament reconstruction daira, et al., Dept. of Orthop. Surg., Shinshu Univ.···S72 emoral ligament reconstruction for recurrent op. Surg., Kobe Univ. Graduate School of Medicine···S72 scal repair in young and middle-aged patients
3-7-LS36 13:25 3-7-1 3-7-2 3-7-3 3-7-4	O ~ 13: 10 Patholo Patholo The effect of the patellar discomparisor The reconstruct of the patellar discomparisor The reconstruct of the patellar discomparisor Horizontal	Luncheon seminar 30 ogy of knee osteoarthritis and various compositions. Yoshihiro Nis Free papers Knee: General 1 ial ACL attachment be an intraoperative aroplasty? Takashi Nakamura, ive and postoperative factors affecting petion: A multicenter study Graduate School of of posterior tibial slope on graft maturity. Hiroki Shimo patellar width ratio after medial patellose islocation Rika Shigemoto, et al., Dept. of Orthon of clinical outcomes after lateral menis Kodai Hamaoka, et tears of the medial meniscus are accomsplacement	Moderator Y. Ishibashi onservative treatments shida, Dept. of Rehabilitation, Nagoya Univ. Hosp.···S72 Moderators Y. Yamamoto, A. Kuwasawa e reference point to define the joint line in total et al., Dept. of Orthop. Surg., Toho Univ. (Omori)···S72 satient-reported outcome after ACL

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Surgical site infections which were difficult to make diagnosis after spinal surgery

Challenges in diagnosing surgical site infections

3-7-S54-1

3-7-S54-2		_	es of infected total hip		oso Pod Cross	Vagachima Hasp\$798
3-7-S54-3	Review	······· <i>Takao Setoguchi, et al.</i> , Dept. of Orthop. Surg., Japanese Red Cross Kagoshima Hosp.···S728 eview of culture-negative cases among the periprosthetic knee joint infection cases at our hospital ······ <i>Kiyonori Mizuno, et al.</i> , Dept. of Orthop. Surg., Anshin Hosp.···S729				
3-7-S54-4	Clinical	l cases of fractur	e related infection wit	th difficulty in diag	nosis	ral Medical Center…S729
3-7-S54-5			in athletes: Diagnosis			ntlers Sports Clinic…S730
3-7-S54-6	Tips an	d tricks for diag	nosis of surgical site i	nfection in bone ar	nd soft tissue to	
16:15	~ 17:15	Free papers	THA: Surgical resu	ult	Moderators	K. Nihei, M. Morita
3-7-7	postoperat	tive outcomes in Hiroki Iida, et al.	ue in the quadriceps for unilateral hip osteoar , Dept. of Orthop./Rh gram in Integrated Me	rthritis patient neumatology, Musc	culoskeletal an	
3-7-8		recovery after to	otal hip arthroplasty			kita General HospS731
3-7-9	The long-te	erm results of to	tal hip arthroplasty wi	ith cemented stem	s	agata Saisei HospS732
3-7-10	Clinical out	tcomes of total h	nip arthroplasty comb	ined with subtroch	anteric osteoto	
3-7-11			rative clinical result d ····Eiji Takahashi, et d			er primary total awa Medical UnivS733
3-7-12			nyo conservative hip s ····· <i>Masanori Nishi</i> ,			ssa General HospS733
17:30	~ 18:30	Free papers	Adult spinal defor	mity Mod	derators B.	Otsuki, H. Moridaira
3-7-13	Evaluation	n by lordosis sha	omplications (MCs) at ape, lordosis prediction	on formula, and gap	p score	surgery: ledical Univ. HospS734
3-7-14	ADL disord	ders and its pred	lictors after correction	n surgery for adult	spinal deform	
3-7-15	Low Houns spinal def	sfield unit values formities: A mult <i>Yamauchi, et al</i> .	s are a risk factor for p ticenter study , Dept. of Orthop./Rh	oostoperative mech	nanical complic culoskeletal an	rations for adult
3-7-16		luencing postope	erative satisfaction in	adult spinal deforn	nity surgery pa	
3-7-17	Factors ass	sociated with im	proved lumbar spine f	function after adult	spinal deform	
3-7-18	Post-operat		profile following fusion	on surgery for adul	lt spinal deforn	nity:
	•••••	····So Kato, et d	al., Dept. of Orthop. S	urg., The Univ. of	Tokyo Hosp., T	The Univ. of Tokyo…S736

8:00 ~	~ 9:00	Free papers	Knee: General 2	Moderators	Y. Arai, Y. Hashimoto
3-8-1	lateral fer	noral condyle a	discoid lateral meniscus is as nd tibial plateau ukuya Kinoshita, et al., Dept. (
3-8-2	Change in	MCL over time	after MCL pie-crust-evaluation	n by MR	
0.00			······Yuji Kanaya, et al., De		
3-8-3			f-limiting condition: 11 years f	··· Tetsuo Yamaguchi, et	
3-8-4			of growth plate closure at the ····· <i>Takashi Omi, et al.,</i> Dep		a City General HospS738
3-8-5	Long-term	outcome at 10	years after autologous chondi uke Hamahashi, et al., Dept. o	ocyte cell-sheet transpla	ntation
3-8-6			atcomes of autologous chonda e (CaTCh study)	ocyte implantation: Data	from a multicenter
	•••••	·····Ryui	chiro Akagi, et al., Knee Surg.	Sports Med. Center, Oy	umino Central Hosp.···S739
9:15 ~	~ 10:15	Invited lectu	ure 20	M	oderator H. Tohyama
3-8-IL20- 3-8-IL20-	and -2 3D li	longitudinal m mb alignment o	nt-bearing CT imaging for early onitoring of knee osteoarthrit	is features Med., Univ. of Kansas, k	Kansas City, KS, USA…S740
10:30	~ 11:30	Invited lect			Moderator M. Takagi
					8
3-8-IL21- 3-8-IL21-	-2 Prevented	······································	venous thromboembolism ep lavad Parvizi, Acibadem Univ ment of venousthromboembo n inya Goto, Dept. of Medicine	, International Joint Cen lism based on the mecha	ter, Istanbul, Turkey…S741 anism of
3-8-IL21-	-2 Prevented	······································	avad Parvizi, Acibadem Universelle Univers	., International Joint Cen lism based on the mecha (Cardiology), Tokai Univ	ter, Istanbul, Turkey…S741 anism of
3-8-IL21-	-2 Prevention -1 Treated2 Under -2 Under -2	ention and treat ombus formatio	avad Parvizi, Acibadem Universelle Univers	, International Joint Cenlism based on the mechalism based on the mechanism based on the mechalism based on the mechanism based on the me	ter, Istanbul, Turkey…S741 anism of School of Medicine…S741 Ioderator S. Imagama eon's perspective Faculty of Medicine…S742 n
3-8-IL21- 12:00 3-8-LS31 3-8-LS31	-2 Prevention -1 Treated2 Under -2 Under -2	ention and treat ombus formatio	Tavad Parvizi, Acibadem University of venousthromboember of venousthromboember of manya Goto, Dept. of Medicine seminar 31 for hip spine syndrome with brown of the control of the contro	, International Joint Cenlism based on the mechalism based on the mechanism based on the me	ter, Istanbul, Turkey…S741 anism of School of Medicine…S741 Ioderator S. Imagama eon's perspective Faculty of Medicine…S742 n
3-8-IL21- 12:00 3-8-LS31 3-8-LS31	-2 Prevention -2 Prevention -2 Prevention -2 Prevention -1 Prevention -2	ention and treat ombus formatio	wand Parvizi, Acibadem University of venousthromboembers of venousthromboembers of Medicine seminar 31 for hip spine syndrome with the syndrome with the syndrome of Orspine syndrome relation: Insiduru Yagi, Dept. of Orthop. Survey Yagi, Dept. of Orthop.	i, International Joint Cenlism based on the mechalism based on the mechanism based on the m	ter, Istanbul, Turkey…S741 anism of School of Medicine…S741 Ioderator S. Imagama eon's perspective Faculty of Medicine…S742 n f Health and Welfare…S742 Funao, H. Nakashima ence with pain and men's Medical UnivS743

3-8-9	patients with superfi	odality, 4D dynamic CT myelogra cial siderosis ··· <i>Motonori Hashim</i> luate School of Medical and Denta	oto, et al., Dept. of Orth	nop. and Spinal Surg.,
3-8-10	Percutaneous pedicle	screw placement for robot-assisted this Torii, et al., Dept. of Orthop. S	d spine surgery	
3-8-11	Outcome of unilateral	osteoplastic recapping hemi-lamir i Chikawa, et al., Dept. of Orthop.	oplasty for lumbar inte	erforaminal stenosis
3-8-12	elderly more than 80	of transforaminal full-endoscopic s years old ······ <i>Kiyoshi Yagi, et al.</i> arch and Innovation, Nagoya City	, Dept. of Musculoskel	etal Sports Medicine,
) ~ 15 : 40 Free pap nal cord injury & ligan		Moderators	H. Konishi, T. Hikata
3-8-13		mmunoreceptor CD300a blockage ······Shun Okuwaki, et a		
3-8-14	A novel scoring system	n predicting neurologic recovery a bbe, et al., Dept. of Orthop. Surg., I	after acute spinal cord i	injury
3-8-15	Association of diffuse ligament in cervical	idiopathic skeletal hyperostosis ar spine injury cases	nd ossification of the po	osterior longitudinal
3-8-16	Cervical spinal cord in A nationwide study cNaoki Segi,	····· Takahiro Kozaki, et al., Dept. ajuries in elderly associated with d of complication rates and prognosi et al., Dept. of Orthop./Rheumato Program in Integrated Medicine,	iffuse idiopathic skelet s logy, Musculoskeletal	al hyperostosis: and Cutaneous Surg.,
3-8-17	Impact of visceral fat of	besity on the development of spin 49 patients · · · · · · · · · · · · · · · · · · ·	al ligament ossification \cdots Soya Miura, et al., D	: Analysis of health
3-8-18	longitudinal ligamen	al neuropathic pain in postoperativ t of the cervical spine Shinsuke Ikeda,	ve patients with ossifica	ation of the posterior
15:55	5 ~ 16 : 55 Free pap	pers Spine & spinal cord tume	or Moderate	ors H. Uei, S. Kaneko
3-8-19	AI assistance ······	ening for metastatic spinal cord co ·························Koji Uotani, et al., Dept. Faculty of Medicine, Dentistry, an	of Intelligent Orthop. S	System Development,
3-8-20	Surgical outcomes of, A prospective cohort	and risk factors for emergency su study	rgery in patients with s	spinal metastases:
3-8-21	Prognostic factors in p JASA multicenter pro	Kanda, et al., Dept. of Orthop. Surgestients with metastatic spine tumospective study ··· Takuya Takaha. uate School of Medical and Dental Dept. of Orthop	ors requiring surgery for shi, et al., Dept. of Orth Sciences, Tokyo Medi	or lung cancer: nop. and Spinal Surg.,
3-8-22	combination databas	treatment for metastatic spinal tu e between 2012 and 2020	mor using diagnosis pr	rocedure
3-8-23	The accuracy rate of p	reoperative imaging and intraoper	ative and postoperative	e histopathological

Hiroshima City North Medical Center Asa Citizens Hosp....S751 $17:30 \sim 18:30$ Invited lecture 22 Moderator H. Sugiyama 3-8-IL22-1 Evolution of hip arthroscopy over the past 25 years Vail. CO. USA···S752 3-8-IL22-2 Current evolving hip arthroscopic management for hip capsule and acetabular dysplasia Wakamatsu Hosp. of the Univ. of Occupational and Environmental Health...S752 3rd Day May 25 Room 9 $8:00 \sim 9:00$ Moderators S. Kobayashi, Y. Kokubo Free papers Pelvis & proximal femur fractures 3-9-1 Epidemiology of fragility fractures of the pelvic ring: A regional population-based study in Japan 3 - 9 - 2Most vertically unstable pelvic ring injuries can be treated by screw fixation 3-9-3 Development of AI to detect the sacrum from XP: Towards clinical application of AI to diagnose The Kashiwa Hosp. of the Jikei Univ. School of Medicine...\$754 3-9-4 Comparison of implant outcomes in the Pauwels type 3 internal fixation for femoral neck fracture: Multicenter (TRON group) retrospective study Takahiro Suzuki, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ. · · S754 3-9-5 Change after the introduction of area classification in proximal femoral fracture 3-9-6 Patients with femoral trochanteric fractures suffer from postoperative malnutrition and do not improve early ···· Yoshiharu Sugiyama, et al., Dept. of Orthop. Surg., Shizuoka City Shizuoka Hosp. ·· S755 $9:15\sim10:15$ **Invited lecture 23** Moderator I. Yoshimura 3-9-IL23-1 Osteochondral lesion of talus: What is the evidence?Jin Woo Lee, Dept. Orthop. Surg., Yonsei Univ. College of Medicine, Seoul, Korea...S756 3-9-IL23-2 State of art of the ankle arthroscopy: Arthroscopic surgery for lateral instability of the ankle Moderator K. Nishida $12:00 \sim 13:10$ Luncheon seminar 32 3-9-LS32 Basic background, transition and history in the treatment of spine deformity and spine tumor Graduate School of Medical Sciences, Kanazawa Univ.···S757 $13:25 \sim 14:25$ Free papers Osteoporosis: Spine Moderators E. Nakamura, M. Takahata 3 - 9 - 7Low Hounsfield unit values on computed tomography predicts vertebral fracture in patients with

Usefulness of microsurgery using augmented reality (AR) for spinal dumbbell tumor

3-8-24

rheumatoid arthritis ············Akane Umeda, et al., Dept. of Orthop. Surg., Kyoto Univ. Hosp. ···S758

3-9-8	Severe fatt vertebral		of paraspinal muscle	s is risk factor for o	lomino osteopor	otic	
			yuki Kusukawa, et al.				ine…S758
3-9-9			gittal malalignment a				
			······Yuji				nivS759
3-9-10		on of bone resili ation and severit	ience index combinir ty	ng bone density and	d bone quality for	r fracture	
	•••••	·····Taku	ji Matsumoto, et al., l	Dept. of Orthop. St	ırg., Nokami Kos	sei General Ho	spS759
3-9-11	Patterns of	f symptoms and	insufficiency fractur	es in patients with	tumor-induced o	steomalacia	
	····Hirosi	hi Kobayashi, et	al., Dept. of Orthop.	Surg., The Univ. o	f Tokyo Hosp., T	he Univ. of Tol	kyo…S760
3-9-12			ociated with the seve				
	•••••			·····Tsutomu I	Endo, et al., Dept	. of Orthop. Su	ırg.,
			Faculty of Medicia	ne and Graduate So	hool of Medicine	e, Hokkaido Ui	nivS760
14:40	~ 15:40	Afternoon se	eminar 3		Mod	lerator T. Or	modani
3-9-AS3-1			nerapy: A new PRP o				
	•••••			·····Yuuki	Shimizu, Inagil	nirao Seikei Cli	inic…S761
3-9-AS3-2			arpal tunnel release				
	syste	m in the clinic · ·		·····Takam	<i>itsu Okada,</i> Oka	da Orthop. Cli	inic…S761
15:55	~ 17:05	Free papers	Clinical safety	M	loderators K.	Sugimoto, T.	Suzuki
3-9-13	Diagnosis	of popliteal arte	ry injury: The factor	s of delayed diagno	neie		
0 0 10			aegawa, et al., Dept.			ara Medical U	nivS762
3-9-14			l artery injury: Is pu			ara moarcar o	5.02
			aegawa, et al., Dept.			ara Medical U	nivS762
3-9-15			to orthopaedic cases				
		iter database	•		,		
			Nakano, et al., Dept.	of Orthop. Surg., 7	Γoho Univ. Sakur	a Medical Cen	ıter…S763
3-9-16			or falls in orthopaedie				
			·· Tetsuo Hagino, et a	_	. Surg., NHO Ko	fu National Ho	spS763
3-9-17			ion dose measureme				•
		Eiji Morikawa,	Dept. of Orthop. Su	rg., Shikoku Medi	cal Center for Ch	ildren and Adı	ults…S764
3-9-18			on of patient by air an				
	• • • • • • • • • • • • • • • • • • • •		··· Yuji Hatakeyama,	et al., Dept. of Ort	hop. Surg., Akita	Red Cross Ho	spS764
3-9-19			CT navigated techni				
							op.,
				medical Sciences,			
17:30	~ 18 : 30	Invited lectu	re 24		Mode	rator H. Mu	rakami
3-9-IL24-	1 Is bact	teria a possible o	cause for low back pa	ain			
- 0 1221		•	S. Rajasekaran, Dej		Ganga Hosp. (Coimbatore. In	ıdia…S766
3-9-IL24-2			for lumbar degenera		,g 2200p., V		2.00
			·····Nobuvu		Orthop, Surg., F	uiita Health U	nivS766

8:00~9:00	Free papers RA 1	Moderators	J. Hashimoto, T. Mochizuki	
patient	sensitivity syndrome affects the disease a ts with rheumatoid arthritis			
3-10-2 Fewer o	Kazushige Seki, et al., Dept. of Orthop. Sur apportunities to speak out is associated with	th frailty in rheumatoid	arthritis patients	
	Japanese Red ot disorders in rheumatoid arthritis worse	en locomotive syndrom		
3-10-4 Compar and ele	ison of exercise function and body compo derly women in general	sition in elderly womer	n with rheumatoid arthritis	
3-10-5 Prevaler	nce and relationship study of sarcopenia a	licine, Graduate School	of Medicine, Nagoya Univ.···S768	
	ective observational PRESENT study			
	: Multicenter observational study T-FLAG ifumi Ohashi, et al., Dept. of Orthop./Rhe Program in Integrated Med	eumatology, Musculosk	eletal and Cutaneous Surg., of Medicine, Nagoya UnivS769	
9:15~10:15	Invited lecture 25		Moderator M. Ito	
3-10-IL25-1 Pediatric spinal deformity: Non radiologic outcomes that matter to patients				
10:30 ~ 11:30	1.00-year lifespan	Tota Watanabe, Dept. C	Moderator T. Akazawa	
3-10-IL26-1 Ad	dult spinal deformity complications: Developments	opment and utility of th		
3-10-IL26-2 3-c	Eric O. Klineberg, Dept. of Ort column osteotomy for adult spinal deform Yu Yamato, Dept. of Or	ity		
12:00 ~ 13:10	Luncheon seminar 33		Moderator S. Ohtori	
	wing, analyzing, and treating low back pai ····· <i>Takuya Nikaido,</i>		., Fukushima Medical Univ.···S772	
$13:25 \sim 14:25$	Invited lecture 27		Moderator M. Neo	
f	re adjacent segment pathology and pseudo actors or of iatrogenic causes 	op. Dept. of Chang-Gun		
	rgical outcome and complications followin	ng ACDF		

14:40 ~ 15	: 40 Invited lectur	e 28		Moderator K. Nakanishi		
3-10-IL28-1 3-10-IL28-2	······ Yoon Ha, Dept. of Neuro. Surg., Severance Hosp., Yonsei Univ., Seoul, Korea···S774					
15:55 ~ 17 Cutting-e	, , ,		y: Goal setting f	Moderators Y. Nishida, A. Kido rom a pathological viewpoint		
3-10-S55-1	Regenerative medicine					
3-10-S55-2	Regenerative medicine	for spinal cord injury	using rehabilitation	on Medicine, Nara Medical Univ.···S775 on ept. of Orthop. Surg., Keio Univ.···S775		
3-10-S55-3	Regenerative medicine	and rehabilitation for	sports injuries			
3-10-S55-4	Strategy to maintain ar	nd improve ADL and Q	OL for tenosynov	erative Medicine, Juntendo Univ.···S776 rial giant cell tumor chi, et al., Dept. of Orthop. Surg.,		
3-10-S55-5	Molecular mechanism	Grae s of rheumatoid arthri	duate School of M tis and rehabilitati · Yoshitada Sakai,	ledical Sciences, Kanazawa Univ.···S776		
17:30 ~ 18	: 30 Invited lectur	re 29		Moderator K. Ikari		
3-10-IL29-1 3-10-IL29-2	USA/ Orth Advanced techniques ankle arthroplasty for	Ankle Reco hop. New York Univ. O to achieve precise ort or severe varus cases	C. Schon, Orthoponstruction Mercy frossman School of hogonal alignmen g., Dokkyo Medic	e with 550 cases b. Innovation Institute of Foot and Medical Center, Baltimore, MD, of Medicine, New York, NY, USA···S778 at in lateral transfibular total cal Univ. Saitama Medical Center···S778		
8:00~9:	00 Instructional le	cture 49		Moderator N. Samoto		
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9:15~10	15 Free papers	Upper limb fracture	Mod	derators H. Hashizume, S. Kono		
3-11-2 Intr su: 3-11-3 Intr ins	ramedullary nail for prox rface of humeral head ··· ra-articular corrective os struments: A prospective		aka Sano, et al., De should be placed aka Sano, et al., De sus intra-articular to Oka, et al., Dept	four-part fracture occur? iv. of Orthop., Sendai City HospS780 within 4 mm from the bony iv. of Orthop., Sendai City HospS780 malunion using patient-matched t. of Orthop. Biomaterial Science, School of Medicine, Osaka UnivS781		

Faculty of Medicine, Dentistry, and Pharmaceutical Sciences	f Sports Medicine, es. Okayama Univ.··S781				
3-11-5 Effects of possible sarcopenia and nutritional status on postoperative functional ou radius fractures in geriatric females	fects of possible sarcopenia and nutritional status on postoperative functional outcomes of distal radius fractures in geriatric females				
3–11–6 3D computational anatomy of volar aspect of the scaphoid: For use in volar buttres for scaphoid nonunion	ss plate fixation				
10:30 ~ 11:30 100-year lifespan lecture 3 Moder	rator S. Matsubara				
3-11-100YL3 Lessons from centenarians and the very old about healthy longevity	CSMR, Keio UnivS783				
12:00 ~ 13:10 Luncheon seminar 34	Moderator H. Haro				
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	kyo Medical Univ.···S784				
$13:25\sim14:45$ Create the future symposium 1 Moderators Y. The Hot-topic biomaterials: Expectations for applications in orthopaedics	Tanaka, T. Yamaoka				
3-11-CFS1-1 Development of cell-based regenerative dental treatments	gen. Prosthodont., d. School of DentS785				
3-11-CFS1-2 Biomaterials for control of bone matrix anisotropy based on its biological mo					
3-11-CFS1-4 Development of a novel medical device derived from biological tissue for kn	nee anterior				
cruciate ligament reconstruction ····· Kiyotaka Iwasaki, Fac. of Sci. and Er 3-11-CFS1-5 Smart polymer technologies for orthopaedic surgery ······· Mitsuh					
$15:00\sim16:30$ Create the future symposium 2 Moderators T. Na Medical-engineering collaborative technology in the field of orthopaedics	ngura, M. Yamamoto				
3-11-CFS2-1 Medical device development by general orthopaedic surgeons: Individual lin medical-industrial collaboration and cooperation with companies					
3-11-CFS2-2 Development of a drill equipped with real haptics technology					
3–11–CFS2–3 Development of silver-containing hydroxyapatite (Ag-HA) coated lumbar int	terbody cage				
3-11-CFS2-4 Myoelectric prostheses for traumatic amputees and congenital transverse fa					
National Center for Child Health a 3–11–CFS2–5 Development and clinical application of patient-matched instruments	omaterial Science,				

3-11-CFS2-6 New developments in biomechanics research using robotic systems for joint mechanical testing: Compressive loads applied to ligaments' entheses Collaborative Research Center, Tokyo Metropolitan Univ....S790 $16:45 \sim 18:05$ Create the future symposium 3 Moderators K. Hayakawa, Y. Takakubo How to successfully balance your career and child-raising 3-11-CFS3-1 Balancing childcare and career: From my experience of raising triplets ······Yuki Fujita, Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine···S791 Diverse work styles of female orthopaedic surgeons: Career development as 3-11-CFS3-2 a medical educator · · · · · · · · · · · · · · · Akiko Torii, et al., Dept. of Orthop. Surg., Keio Univ. · · S791 What should we do for balancing work and child raising?: The message from the 3-11-CFS3-3 Graduate School of Medical and Dental Sciences, Kagoshima Univ...S792 3-11-CFS3-4 Our department's efforts to encourage male doctors to take childcare leave 3-11-CFS3-5 The key point for not to sacrifice carrier and parenting for doctors couple ······Akihiro Maruo, Dept. of Orthop. Surg., Harima Himeji General Medical Center···S793 3-11-CFS3-6 Men's participation in childcare from Nagasaki University 3rd Day May 25 Room 12 $8:00 \sim 9:00$ **Instructional lecture 50** Moderator M. Tanaka 3-12-EL50 Japanese historical transition of surgeries for adolescent idiopathic scoliosis $9:15 \sim 10:15$ Free papers Spinal monitoring Moderators M. Ando, S. Taniguchi 3-12-1Does SEP decrease at the same time for Tc-MEP alarm?: A prospective multicenter study 3-12-2 Impact of preoperative motor status for the positive predictive value of transcranial motor-evoked potentials alerts in thoracic spine surgery ···· Masahiro Funaba, et al., Dept. of Orthop. Surg., Yamaguchi Univ. Graduate School of Medicine···S795 3-12-3 Longitudinal study of intraoperative neuromonitoring outcome during ossification of posterior longitudinal ligament surgery ···················· Go Yoshida, et al., Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine···S796 3-12-4 The incidence and alert timing of spontaneous electromyographic activity during cervical ossification of the posterior longitudinal ligament surgeryJun Hashimoto, et al., Dept. of Advanced Technology in Medicine, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ. ... S796 3-12-5 What kind of cases need post tetanic motor evoked potentials during spinal surgery? 3-12-6 Evaluation of the lumbar neural activity after stimulation of the femoral, saphenous, and lateral femoral cutaneous nerve using magnetoneurography

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10:30 ~ 1	1:30	Instructional lecture 51	Moderator H. Tsumura
3-12-EL51		ecurity in healthcare organizations to keep patient safe ms and medical devices ···· Kengo Miyo, National Cente	
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14:40 ~ 1	5:40	Instructional lecture 52	Moderator M. Ishikawa
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17:10 ~ 18 Practical		Symposium 56 Mo ultrasound-guided interventions in out-patient ca	oderators Y. Tanaka, C. Watanabe re
3-12-S56-1		ound-guided intervention for frozen shoulder 	ee, et al., Musculoskeletal Science, Iniv. Graduate School of Medicine…S801
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3-12-S56-3	Ultras	ound-guided intervention for PIP joint contracture asso ··········· Yasuaki Nakanishi, et al., Center for Postgrad	ciated with flexor tendinitis
3-12-S56-4		ound-guided intervention for pain after lumbar fusion	O 1111 M 11 111 1 0000
3-12-S56-5	Ultras	onographic intervention for osteoarthritis of knee joint Junsuke Na.	
3-12-S56-6	Ultras		Medical Sciences, Kanazawa UnivS803
		3rd Day May 25 Poster	
9:00 ~ 9: Lumbar		Poster (Booth No.7, Marine Messe Fukuoka Hall ninimally invasive treatment	A) Moderator Y. Miyawaki
		cteristics of disc degeneration after condoliase injection cutive case series · · · · · · · · · · · · · · · · · · ·	

Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp.···S804

3-Po-2	Is condoliase therapy effective for patients under 20 years old?
	······ Tomohiro Banno, et al., Div. of Surg. Care Morimachi, Hamamatsu Univ. School of Medicine···S804
3-Po-3	Results of using condoliase (Hernicore®) for lumbar disc herniation: Study on atypical cases
3-Po-4	A study on the effect time of condoliase treatment for lumbar disc herniation
	······································
3-Po-5	Assessment of the transition and effect of condoliase therapy for lumbar disc herniation in
	2 centers for 5 years ····· Kazuhiro Fujimoto, et al., Dept. of Orthop. Surg.,
	Yamaguchi Univ. Graduate School of Medicine…S806
3-Po-6	Intradiscal injection of autologous platelet-rich plasma (PRP) for the treatment of lumbar
	intervertebral disc disease: Mid-term follow-up survey
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3-Po-7	Key points of surgical technique and initial surgical outcomes regarding microscopic minimum
	incision transforaminal lumbar interbody fusion (MI method)
9:00~	9:35 Poster (Booth No.8, Marine Messe Fukuoka Hall A) Moderator S. Suzuki
Adul	t spinal deformity 1
3-Po-8	Lumbar lordosis restoration by minimally invasive short-segment fusion with anterior column
3 10 0	realignment (ACR) for adult spinal deformity: Minimum 2-year follow-up
3-Po-9	Radiographic and MRI evidence of indirect neural decompression after the anterior column
3 10 3	realignment procedure for adult spinal deformity
3-Po-10	Segmental short fusion surgery for chronic low back pain with bone marrow edema adjacent to
0 10 10	the vertebral endplate · · · · · · · · · · · Toshio Nakamae, et al., Dept. of Orthop. Surg.,
	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.··S809
3-Po-11	Change of spinal alignment and revision surgeries after short fusions for degenerative
0 10 11	lumbar scoliosis
3-Po-12	Clinical outcome and surgical indication of short fusion for lumbar adult spinal deformity with
	postural abnormality ····· <i>Hideaki Nakajima, et al.</i> , Dept. of Orthop. and Rehabilitation Medicine,
	Faculty of Medical Sciences, Univ. of Fukui···S810
3-Po-13	Classifying spinal deformities in surgical cases according to the sagittal touched vertebra levels
	······································
3-Po-14	Conditions for achieving postoperative pelvic incidence-lumbar lordosis < 10° in circumferential
	minimally invasive surgery for adult spinal deformity
9:00~	,
Spina	al osteoporosis 1
3-Po-15	Lower preoperative vertebral bone quality score as a risk factor for poor 5-year clinical outcomes
	after lumbar spine surgery ····································
	Osaka Metropolitan Univ. Graduate School of Medicine…S812
3-Po-16	Investigation of facet fusions after surgery for thoracolumbar vertebral fractures: More than half
	of cases have facet fusions ····· Ryo Sasaki, et al., Dept. of Orthop. Surg., Saiseikai Nakatsu Hosp.···S812

3-Po-17	Comparative study of reconstructive surgery with lateral lumbar interbody fusion versus vertebral body replacement for lumbar osteoporotic vertebral burst fractures
3-Po-18	
3-Po-19	Mechanical evaluation of posterior fixation surgery in osteoporotic vertebral fractures complicated by DISH ····· Yo Hirano, Dept. of Orthop. Surg., Fujita Health Univ. Bantane Hosp.···S814
3-Po-20	Safety of cement-augmented pedicle screws and the risk of intravenous cement leakage: A multicenter retrospective study ···········Shinji Takahashi, et al., Dept. of Orthop. Surg., Osaka Metropolitan Univ. Graduate School of Medicine···S814
3-Po-21	Risk of cement leakage in cement augmented fenestrated pedicle screw
9:00 ~ Arou	9:35 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator H. Ogawa nd knee osteotomy 1
3-Po-22	Evaluation of the patient satisfaction with implant removal after open wedge high tibial osteotomy
3-Po-23	Factors related to patient satisfaction and expectations after high tibial osteotomy
3-Po-24	Establishing an optimal CSI score cut-off value affecting postoperative outcomes of AKOShoichi Hasegawa, et al., Dept. of Orthop. Surg., Tokyo Medical and Dental Univ. HospS817
3-Po-25	Lateral joint laxity at knee flexion before open-wedge high tibial osteotomy can improve postoperative patient satisfaction Yusuke Yamawaki, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ S817
3-Po-26	Central sensitization is a detrimental factor for patient-reported outcomes after around the knee osteotomy
3-Po-27	
3-Po-28	Breakthrough of the return to sports activities after around knee osteotomy
9:00 ~ FAI:	9:35 Poster (Booth No.11, Marine Messe Fukuoka Hall A) Moderator T. Yamasaki Arthroscopic surgery
3-Po-29	Examination of acetabular coverage and labrum tears in painful hip disorders by age group
3-Po-30	Evaluation of changes in femoral head center after arthroscopic surgery for FAI using patient-specific 3D CT models
3-Po-31	Shota Higashihira, et al., Dept. of Orthop. Surg., Yokohama City Univ. Medical CenterS820 Investigation of hip-sacroiliac syndrome in hip arthroscopy cases
3-Po-32	Clinical outcomes of arthroscopic labrum repair without correcting bone morphology
3-Po-33	A study on return to sport after hip arthroscopy
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$9:00 \sim 9:35$	Poster (Booth No.12, Marine Messe Fukuoka Hall A)	Moderator	Y. Yasunaga
Hip fracture: Imaging & bone density			

- 3-Po-36 Evaluation of the muscles around the healthy side hip joint by preoperative CT in patients with femoral neck fracture 3-Po-37 Elucidating the optimal treatment of coronal shear fractures of the femoral neck using finite element analysis ············Hiroaki Kijima, et al., Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine···S824 3-Po-38 Effect of residual valgus deformity on the incidence of avascular necrosis and late segmental collapse in non-displaced femoral neck fractures 3-Po-39 Bone density prediction using frontal hip radiographic images 3-Po-40 Relationship between CT Hounsfield units at injury and bone mineral density in femoral trochanteric fractures in elderly 3-Po-41 Introduction rate of osteoporosis drugs in patients who underwent bipolar hip arthroplasty in our hospital ······ Yusuke Iesaki, et al., Nagoya Medical Center ··· S826 3-Po-42 Changes in surgical waiting time and osteoporosis treatment for proximal femoral fractures: Retrospective study of the fracture liaison service Katsuhiro Kawabata, et al., Dept. of Orthop. Surg., Fukuyama City Hosp...S827
- 9:00 ~ 9:35 Poster (Booth No.1, Marine Messe Fukuoka Hall B) Moderator M. Amako Frozen shoulder & calcific tendinitis
- 3-Po-44 Factors affecting clinical outcome or recurrence after manipulation under anesthesia (MUA) for
- 3-Po-45 Factors influencing prognosis of shoulder manipulation under ultrasound-guided cervical nerve root block for frozen shoulder: A retrospective cohort study
- 3-Po-46 Preoperative factors related with postoperative MRI changes after shoulder manipulation for stiff shoulder *Hiroshi Negi, et al.*, Dept. of Orthop. Surg., Hiroshima-Nishi Medical Center... S829
- 3-Po-48 Canceled
- 3-Po-49 Clinical outcomes of combined focused shock wave and ultrasound-guided needling therapy for chronic calcific tendinitis of the shoulder
 -Yu Hiraoka, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ...S831

9:00 ~ Osteo	9:35 Poster (Booth No.2, Marine Messe Fukuoka Hall B) oporosis: Evaluation 1	Moderator	S. Orita
3-Po-50	Peripheral bones, especially the distal tibia, predict bone microarchitecture proximal femur ····································	Dept. of Orthop. S	
3-Po-51	Does the deltoid tuberosity index measured in chest X-ray correlate with bo	one mineral densit	y?
3-Po-52	Is the cortical thickness index useful for severe osteoporosis screening?		
3-Po-53	Intuitive diagnosis of osteoporosis using X-ray and CT Chikara Hayakawa, Dept. of Orth		
3-Po-54	Distributions of bone mineral density and trabecular bone score in Japanese vertebral fracture: A cross-sectional study	e elderly women v	vith
3-Po-55	Investigating the initial effect of different therapeutic agents in severe osteo density (BMD) and trabecular bone score (TBS)	porosis: Bone mi	neral
3-Po-56	Usefulness of EchoS system for ultrasonic bone densitometry compared to	DXA technique Dept. of Orthop. S	Surg.,
9:00~	9:35 Poster (Booth No.3, Marine Messe Fukuoka Hall B) Ankle	2 Moderator T	. Nakasa
3-Po-57	3D model MRI study of lateral ankle ligament injury morphology		
3-Po-58	Investigation of the usefulness of telos device in chronic anterior talofibular The danger of underestimating talar tinting angle · · · · · · · · · · · · · · · · · · ·	azunari Oshima, e	
3-Po-59	Talus rotation before and after arthroscopic lateral ankle ligament repairSeiya Tomonaga, et al., Dept. of Orthop	. Surg., Fukuoka	UnivS837
3-Po-60	Does the number of PRP injections influence the outcome?: A randomized of an osteochondral injury model ········· Youichi Yasui, et al., Dept. of Orthon		
3-Po-61	Passive ankle plantarflexion position and skin surface blood flow adjacent to		
3-Po-62	Examination of the measurement of trunk sway with smart insoles		
3-Po-63	Bone mineral density investigation of the subchondral bone of the ankle and patients with chronic ankle instability · · · · · · · Shunsuke Nakamura, et al., Graduate School of Medical and Dental Scient	Dept. of Orthop. S	Surg.,
9:00 ~ Basic	9:35 Poster (Booth No.4, Marine Messe Fukuoka Hall B) Reresearch: Inflammation & implant	Moderator K. N	akagawa
3-Po-64	DAP12/TREM2 signaling affects excessive bone resorption after discontinu anti-RANKL antibody	Dept. of Orthop. S	

3-Po-65	Analysis of up-regulated microRNA in synovial fluid on osteonecrosis of the femoral head
3-Po-66	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S840 Molecular profiling of galecitin-3 in arthritis
3-Po-67	
3-Po-68	Kazuhiro Nishikawa, et al., Dept. of Orthop. Surg., Gunma Univ. Graduate School of Medicine S841 Investigation of suitable thread depth value for bioabsorbable screws that combine function and strength
3-Po-69	Bone ingrowth into a porous structure
3-Po-70	The mechanism of biofilm formations of staphylococcus aureus isolated from periprosthetic joint infections
9:00 ~ Clinic	9:35 Poster (Booth No.5, Marine Messe Fukuoka Hall B) Moderator H. Mihara al safety
3-Po-71	Current status and measures for HBV DNA monitoring in RA patients with resolved hepatitis B virus infection at our hospital
3-Po-72	Safety and feasibility of transportation service using automated driving wheelchair for patients with musculoskeletal disorders
3-Po-73	Cementless stem extraction from a medical safety perspective
	Dept. of Medicine of Sensory and Motor Organs, Faculty of Medicine, Univ. of Miyazaki…S845
3-Po-74	Incident analysis of sleeping drugs and falls in orthopaedic diseases
3-Po-75	Experience with postoperative compartment syndrome (well leg compartment syndrome) at our hospital ····· <i>Tsuyoshi Ota, et al.</i> , Dept. of Orthop. Surg., Saiseikai Kawaguchi General Hosp. ··· S846
3-Po-76	Orthopaedics trauma surgery for COVID-19
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9:00 ~ Femore	9:35 Poster (English) (Booth No.6, Marine Messe Fukuoka Hall B) Moderator T. Umezu ral neck fracture
3-Po-78	A reimbursement system based on 48-hour target time for hip fracture surgery shortened the
0 10 .0	waiting time and affected clinical outcomes
	Tsunemasa Kita, et al., Dept. of Orthop. Surg., Miyazaki Medical Association Hosp S848
3-Po-79	Hip fracture surgery within 48 hours from injury improved short-term mobility Tsunemasa Kita, et al., Dept. of Orthop. Surg., Miyazaki Medical Association Hosp S848
3-Po-80	Can early surgery reduce the need to packed red blood cell transfusion in elderly patients with
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	Kangwon National Univ. Hosp., Chuncheon, Korea…S849
3-Po-81	Direct anterior versus anterolateral approach in bipolar hemiarthroplasty after femoral neck
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3-Po-82	Red blood cell distribution width can be a predictor of mortality following hip fracture: A meta-analysis · · · · · · · · Bao T. Nguyen Tu, et al., The International Ph.D. Program in Medicine,
	College of Medicine, Taipei Medical Univ., Taipei, Taiwan…S850
3-Po-83	The impact of ASA classification and hemodynamic instability on causing post-operative
	complications in patients undergoing hip fracture surgeries
3-Po-84	Long versus short cephalomedullary nails for the fixation of intertrochanteric femur fractures: A systematic review and meta-analysis of 14,547 patients
9:45~	10:00 Pagton (Pagth No.7 Maring Magas Fulresha Hall A) Madagatan T Aha
	, , , , , , , , , , , , , , , , , , , ,
Spina	al alignment 1
3-Po-85	Deterioration of sagittal spinopelvic alignment and compensation mechanism: 10 years longitudinal cohort study
3-Po-86	Characteristics of trunk function and sagittal spinopelvic alignment in subjects with good quality of life for more than 5 years
3-Po-87	Relationship between whole spinal alignment and trunk anterior-posterior flexion range of motion in community-dwelling middle-aged and older adults
3-Po-88	Normative value of prognostic nutritional index by generation and the influence on malnutrition
	on spinal alignmentShin Oe, Dep. of Geriatric Musculoskeletal Health, Hamamatsu Univ. School of MedicineS853
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	A cross-sectional study of age-related changes in whole spine sagittal alignment in the general population ····································
3-Po-90	Comparison of anterior spinal bridging and sagittal spinal parameters between diffuse idiopathic skeletal hyperostosis and ankylosing spondylitis: A multicenter study
	Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ./
	Dept. of Orthop. Surg., Saiseikai Kawaguchi General Hosp. · · · S854
3-Po-91	Change of prevalence of scoliosis based on school screening from Moire topography to 3D depth
	sensor at Nara City ······ <i>Hideki Shigematsu, et al.</i> , Dept. of Orthop. Surg., Nara Medical Univ.···S855
9:45 ~	10:20 Poster (Booth No.8, Marine Messe Fukuoka Hall A) Moderator K. Kanzaki spinal deformity 2
71001	Spinal deloring 2
3-Po-92	Related factors analysis of patient satisfaction in adult spinal deformity with a minimum
	10-year follow-up······ <i>Hiroshi Taniwaki, et al.</i> , Dept. of Orthop. Surg.,
	Osaka Metropolitan Univ. Graduate School of Medicine…S856
3-Po-93	Accuracy of rod contour by examination of rod bending back and rod template in CMIS for adult
	spinal deformity ······ Masayuki Ishihara, et al., Dept. of Orthop. Surg., Kansai Medical Univ. ··· S856
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	Kohei Takahashi, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine S857
3-Po-95	Examination of effectiveness of measures for coronal imbalance in CMIS for adult
0 D- 00	spinal deformity ····································
3-Po-96	Factors affecting postoperative PI reduction in surgery for adult spinal deformity

3-Po-97	Bone fusion process in circumferential MIS for adult spinal deformity
3-Po-98	10 years progress of alignment changes and clinical results following corrective fusion surgery in patients with degenerative kyphosis or kyphoscoliosis
9:45 ~ Spinal	10:20 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator T. Yamazaki losteoporosis 2
3-Po-99	Impact of preexisting care-dependency on functional decline following vertebral compression fractures: A retrospective cohort study using claims data
3-Po-100	Clinical characteristics and all-case mortality in elderly patients with vertebral compression fractures: A retrospective cohort study using claims data
3-Po-101	Relationship between skin thickness and osteoporosis and spinal ligament ossification Shun Umeki, et al., Dept. of Orthop. Surg., Saga Univ. S861
3-Po-102	Characteristics of newly developed asymptomatic vertebral fractures: Relationship with nutritional status and spinal alignment Yuichi Miyairi, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.··S861
3-Po-103	Are wall-occiput distance and rib-pelvis distance indicators of sagittal spinal alignment?
3-Po-104	Treatment satisfaction survey in patients treated with conservative therapy for osteoporotic vertebral fractures ····································
3-Po-105	Evaluation of the frequency of cement leakage from fenestrated pedicle screws
9:45 ~ Aroun	10:20 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator H. Takagi id knee osteotomy 2
3-Po-106	Comparative study of postoperative clinical outcomes of open wedge distal tuberosity tibial osteotomy and open wedge high tibial osteotomy
3-Po-107	Distinctive postoperative trajectory of posterior tibial slope in ascending versus descending biplanar open-wedge high tibial osteotomy with early weight-bearing
3-Po-108	Evaluation of bone union in distal tibial tuberosity arc osteotomy compared to conventional OWHTO
3-Po-109	Decreased tibial posterior slope is associated with improved knee extension in hybrid lateral closed wedge high tibial osteotomy
3-Po-110	Fibular osteotomy in the proximal neck region in interlocking wedge high tibial osteotomy using locking plate
3-Po-111	Opening wedge high tibial osteotomy for the cases of varus deformity in distal arge correction angle

3-Po-112	Evaluations of risk factor in varus recurrence after high tibial osteotomy Minimum 7-year follow-up	7:	
	····· Tetsuro Masuda, et al., Dept. of Orthop. Surg	., Kumamoto U	niv. Hosp.···S867
	9: 45 ~ 10: 20 Poster (Booth No.11, Marine Messe Fukuoka Hall A) Moderator N. Mashima Hip: Alignment		
3-Po-113	Preoperative factors associated with changes in coronal alignment after Hirotaka Yasui, et al., Dept. of Orthop. Surg., Ehime Univ. Grad		
3-Po-114	How pelvic tilt and its postural changes change before and after total hip Hiroki Furuhashi, Dept. of Orthop. Surg., Hamamatsu		Medicine…S868
3-Po-115	Subluxation sign in the patients after total hip arthroplasty	o. Surg., Kyoto	City HospS869
3-Po-116	Validity and application of Doiguchi's pelvic tilt measurement method		
3-Po-117	School of Medicine, Univ. of Occupational at Preoperative patient and surgical factors influencing lateral pelvic oblique hip arthroplasty ··················Naoya Aie, et al., Dept. of Orthop. Su	uity after total	
3-Po-118	Pelvic mobility in maximum flexed seated and influencing factors after t	otal hip arthrop l., Dept. of Ort	plasty hop. Surg.,
3-Po-119	Radiological factors affecting coxitis knee on the healthy side of the hip subluxated hip joints ····································	in patients with of Orthop./Rhea m in Integrated	ımatology, Medicine,
9:45 ~ Atipic	10:20 Poster (Booth No.12, Marine Messe Fukuoka Hall A) al femoral fracture	Moderator	H. Nonomiya
3-Po-120	Treatment of atypical ulnar fractures Tomokazu Sawada, et al., Dept. of Orthop. Surg., Shizu	10ka City Shizu	oka HospS872
3-Po-121	Does whole femur protection for atypical femoral fracture reduce compl		City HospS872
3-Po-122	Biomechanical validation of femoral shaft valgus osteotomy for impending fracture in a severely bowed femur ·······Sara Sugiura, et al., Dept. of Graduate School of Medical and Dental Sciences, Tokyo	Orthop. and Sp	oinal Surg.,
3-Po-123	Identification of beak sign in 5 cases during long-term denosumab admi bone metastasis · · · · · · · · Teppei Hayashi, et al., Dept. of Orthop. Surg	nistration for	
3-Po-124	The relationship of rotation between reduction techniques and clinical of intramedullary nailing for femoral shaft fracture	outcome in the t	reatment
3-Po-125	Lipidomic analysis reveals significant posttraumatic changes of the circu polytrauma model		
9:45 ~ Subsc	10:20 Poster (Booth No.1, Marine Messe Fukuoka Hall B) rapularis	Moderato	r A. Nimura
3-Po-126	The utility of the pain provocation tests for long head of the biceps tendo subscapularis tendon tears <i>Taro Akiyama, et al.</i> , Dept. of Orthop. Surg., Graduate School		

0.70.405	
3-Po-127	Relationship between size of subscapular tear and retroversion angle of humerus
9 D- 100	
3-Po-128	Postoperative outcome of suture bride repair for Lafosse type 3 and type 4 tears of the subscapularis muscle ··· Kengo Kirimura, et al., Dept. of Orthop. Surg., Jyuzen Memorial Hosp.··· S876
3-Po-129	Arthroscopic on-lay tenodesis using low-profile anchor for the long head of the biceps
5 10 125	tendon pathology ·············Akira Sugi, et al., Dept. of Orthop. Surg., Sapporo Medical Univ.···S876
3-Po-130	MRI and functional evaluation after subscapularis repair in TSA
0 1 0 100	
3-Po-131	Clinical outcomes of reverse total shoulder arthroplasty with and without subscapularis repair
3-Po-132	Positivity of anchor and suture cultures for cutibacterium acnes in patients undergoing reverse
	shoulder arthroplasty followed by rotator cuff repair
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.···S878
9:45~1	0:20 Poster (Booth No.2, Marine Messe Fukuoka Hall B) Moderator K. Kumagai
Osteop	orosis: Pharmacotherapy 1
3-Po-133	Real-world effects, safety and predictors of the effects of romosozumab treatment in primary
	and secondary osteoporosis patients
3-Po-134	Quantitative analysis of progress of the lower extremity artery disease following romosozumab
	treatment for osteoporosis in comparison with bisphosphonate treatment
3-Po-135	Case series with significant decrease in bone mineral density during romosozumab treatment
0.75.400	
3-Po-136	Efficacy of romosozumab in postmenopausal women with untreated osteoporosis: What are the
	predictors of poor bone mass gain?
3-Po-137	
3 10 137	months and the last six months
3-Po-138	Influence of physical function on the effectiveness of osteoporosis treatment:
	Study with romosozumab
	··········Ayako Tominaga, et al., Dept. of Orthop. Surg., Tokyo Women's Medical Univ. Hosp.···S881
3-Po-139	The effect of fresh osteoporotic vertebral fractures on the degree of BMD increase with
	romosozumab administration in elderly
9:45~1	0:20 Poster (Booth No.3, Marine Messe Fukuoka Hall B) Moderator K. Takeshima
Foot 1	
3-Po-140	Pre- and post-operative ADL of severe hallux valgus in the elderly: Comparison of MTP
	arthrodesis and joint-preserving corrective osteotomy
	Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S883
3-Po-141	Short-term results after CMOS for extremely severe hallux valgus with lessor toes disorder and
	hallux valgus angle of 50° or more

3-Po-142	The relationship between the relative length of the second metatarsal and metatarsalgia in patients with hallux valgus
3-Po-143	Stress distribution on the second metatarsal head in patients with hallux valgus
	······ Dan Moriwaki, et al., Dept. of Orthop. Surg.,
	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S88
3-Po-144	Characteristics of hallux valgus associated with Lisfranc osteoarthritis
	····· Saori Ishibashi, et al., Dept. of Orthop. Surg.,
0.70.445	Graduate School of Biomedical and Health Sciences, Hiroshima UnivS88
3-Po-145	Risk factors on the progression of hallux valgus
3-Po-146	The link between asymmetrical hallux valgus and lumbar spine deformities: The analysis from
0 10 110	the fifth survey of the ROAD study
	Surgical Sciences, Graduate School of Medicine, The Univ. of Tokyo…S88
9:45~	10:20 Poster (Booth No.4, Marine Messe Fukuoka Hall B) Moderator N. Kamei
Basic	Research: Nerve
3-Po-147	Examination for the degree of adhesion in sciatic nerve adhesion model of rat
0 10 11.	
3-Po-148	Microvascular blood flow assessment of chronic sciatic nerve compression in a rat model by
	fluorescein angiography and laser-doppler flowmetry
	····················Kosuke Saito, et al., Dept. of Orthop. Surg., Osaka Metropolitan Univ. Hosp. ··· S88
3-Po-149	Development of a therapeutic strategy for peripheral nerve reconstruction using a novel axon
	regeneration factor GFRa1 ······ Yusuke Muranaka, et al., Dept. of Orthop. Surg.,
0.70.400	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ. · · · S88
3-Po-150	Transcriptional factor REST regulates axonal regeneration by JAK1/STAT3 pathway via GP130
	······································
3-Po-151	Multiple intravenous infusion of mesenchymal stem cells for chronic spinal cord injury in rats
0 10 101	
3-Po-152	Regulation of angiogenetic factor by DNA methylation array in patients with ossification of the
	ligamentous flavum
3-Po-153	PRP administration for intervertebral disc in low back pain patients with Modic type 1 change
9:45~	10:20 Poster (Booth No.5, Marine Messe Fukuoka Hall B) Moderator N. Saka
Medic	al education & ethics
3-Po-154	Effect of arthroscopic surgery education using fresh porcine corpse knee for young
	orthopaedic surgeons ····· <i>Jiro Kato, et al.</i> , Dept. of Orthop. Surg.,
	Nagoya City Univ., Graduate School of Medical Sciences···S89
3-Po-155	Comparison of efficacy for ultrasound-guided regional anesthesia between residents
	and specialists ······ <i>Tomoji Matsuo, et al.,</i> Dept. of Orthop., Juntendo Univ.···S89
3-Po-156	The impact of social media-based preoperative discussions on trauma education in a university hospital

3-Po-157	Sarcoma awareness in school cancer education
3-Po-158	Shinshu Univ. School of Health Sciences…S892 Examination of diagnostic accuracy of fat pad sign and difficult-to-diagnose cases
3-Po-159	Ratio of men and women participating in academic activities at the annual meeting of JSSF
3-Po-160	Trends in compliance with required items of surgical consent form
9:45 ~ 1 Hip joi	
3-Po-161	Taperloc microplasty stem showed stress shielding beyond the proximal end of lesser trochanter in 78% at eight years or more
3-Po-162	
3-Po-163	Univ. Medical Center, Mainz, Germany\$895 Ipsilateral public fracture during total hip arthroplasty is not rare: Does it matter? Hand Sold King at al. Does of Outloon Source Source Medical Univ. Hand Source S
3-Po-164	
3-Po-165	Hitoshi Wakama, et al., Dept. of Orthop. Surg., Osaka Medical and Pharmaceutical Univ S896 The effect of the grade of osteoarthritis on the PROMs after total hip arthroplasty: A systematic review and meta-analysis Junya Yoshitani, et al., Young Adult Hip Service, Dept. of Trauma and Orthop. Surg. Addenbrooke's - Cambridge Univ. Hosp. NHS Foundation Trust, Cambridge, UK S897
3-Po-166	Outcome and complication rate of total hip arthroplasty in patients younger than 20 years: Which bearing surface should be used?
3-Po-167	
	······································
10:30 ~ Spinal	11:05 Poster (Booth No.7, Marine Messe Fukuoka Hall A) Moderator K. Wada alignment 2
3-Po-168	What factors are associated with walking speed in kyphosis?
3-Po-169	Keisuke Ishikawa, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine S899 Lower sagittal touched vertebra level was associated with loss of muscle mass in the whole body
3-Po-170	
3-Po-171	Graduate School of Medical Science, Univ. of Yamanashi…S900 Influence of height loss and pelvic retroversion on the change in back extensor strengthMichio Hongo, et al., Dept. of Physical Therapy, Akita Univ. Graduate School of Medicine…S900

3-Po-172	Anatomical parameters of pelvis based on the anterior pelvic plane are correlated with the standing sagittal parameters in healthy Japanese
	Niigata Univ. Graduate School of Medical and Dental Sciences···S901
3-Po-173	Relationship between trunk tilt and hip position during standing and walking in patients
3 10 173	with kyphosis
	····· Keisuke Ishikawa, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine ··· S901
3-Po-174	Assessment of spinopelvic mobility in total hip arthroplasty: Correlation of delta SS with whole spinal alignment ····································
10:30 ~	
Aduit	spinal deformity 3
3-Po-175	New insight of PJK pathophysiology in corrective adult spinal deformity surgery
3-Po-176	Effect of UIV pedicle screw insertion angle on prevention of PJK after surgical treatment for adult spinal deformity
3-Po-177	Terminal rod contour is more important than Roussel classification in preventing PJK after adult spinal deformity surgery
	······ Masayuki Ishihara, et al., Dept. of Orthop. Surg., Kansai Medical Univ.···S904
3-Po-178	Evaluation of bone structure in thoracic vertebra of upper adjacent vertebra after spinal deformity surgery ··· <i>Terumasa Ikeda</i> , Dept. of Orthop. Surg., Kindai Univ. Faculty of Medicine···S904
3-Po-179	Sex difference in adult spinal deformity: The effect of patient background to proximal junctional failure
3-Po-180	Clinical characteristics and risk factors for rod fracture in cMIS-multi rod for adult spinal deformity · · · · · · · Masayuki Ishihara, et al., Dept. of Orthop. Surg., Kansai Medical Univ. · · S905
3-Po-181	Characteristics of rod fracture patients at an average follow of more than 5 years after
	ASD surgery ··········Ryo Shoji, et al., Orthop. Surg., Akita Kousei Medical Center···S906
10:30 ~	11:05 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator T. Arizono
Spond	lylitis
3-Po-182	Are dental procedures associated with pyogenic vertebral osteomyelitis?
0 10 102	
3-Po-183	Validity of combined posterior and anterior spinal fixation using a 3D-printed titanium cage for
0 10 100	patients with lumbar pyogenic spondylitis
0 D 104	
3-Po-184	Diagnosis of pyogenic spondylitis is delayed: A multicenter observational study
	····· <i>Tomoya Sato, et al.</i> , Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.··S908
3-Po-185	A study of screw insertion into infected vertebra in posterior fixation for pyogenic spondylitis
3 1 0 103	
	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.··S908
3-Po-186	Cervical spine lesions in ankylosing spondylitis from the T-ASK study
5 1 5 100	
	Program in Integrated Medicine Graduate School of Medicine Nagova Univ ··· S909

3-Po-187	Evaluation of mSASSS in ankylosing spondylitis (comparison of X-ray and CT) from the T-ASK study
3-Po-188	
10:30 ~ Aroun	11:05 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator S. Kobayashi d knee osteotomy 3
3-Po-189	Changes in the stress distribution pattern of the patellofemoral joints after medial closing wedge distal femoral varus osteotomy ··········Masanari Hamasaki, et al., Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.··S911
3-Po-190	Change in patellar height after high tibial osteotomy evaluated using three-dimensional computed tomography: Medial open-wedge · · · · · · Shinya Dobashi, et al., Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ. · · S911
3-Po-191	Effects of hybrid closed-wedge high tibial osteotomy on the patellofemoral joint
3-Po-192	Qualitative evaluation of patellofemoral joint cartilage after medial open wedge high tibial osteotomy and hybrid closed wedge high tibial osteotomy
3-Po-193	Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine…S912 Changes in stress distribution in the sagittal plane of the knee joint before and after high tibial osteotomy
3-Po-194	Pre-operation alignment factors are associated with post-ankle alignment after medial opening wedge high tibial osteotomy in patients with knee osteoarthritis
3-Po-195	Change in plantar pressure pattern after around the knee osteotomy for medial knee osteoarthritis
10:30 ~ Hip: 0	11:05 Poster (Booth No.11, Marine Messe Fukuoka Hall A) Moderator T. Baba Osteoporosis
3-Po-196	Total hip arthroplasty in patients with vertebral compression fracture Yaichiro Okuzu, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ S915
3-Po-197	Assessment of canal flare index and proximal femoral bone density can improve stem selection for periprosthetic bone maintenance after THAShinya Hayashi, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of MedicineS915
3-Po-198	The quantitative assessment of the proximal femur and the bone changes after total hip arthroplasty using the taper-wedged stems
3-Po-199	Study of differences in bone density within the femur
3-Po-200	Effect of osteoporosis treatment intervention on postoperative outcomes of total hip arthroplasty Ryuichi Kanabuchi, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine S917

3-Po-201	Difference of nutritional status estimated by GNRI between patients with proximal femoral fracture and hip osteoarthritis
3-Po-202	
10:30 ~ Pelvic	11:05 Poster (Booth No.12, Marine Messe Fukuoka Hall A) Moderator A. Funayama fracture
3-Po-203	Treatment of vertical shear unstable pelvic ring fractures with minimum invasive spino-pelvic fixation
3-Po-204	Relationship between insertion risk of trans iliac trans sacral screw and sacral dysplasia
3-Po-205	Conservative treatment of fragility fracture of the pelvis
3-Po-206	Long-term results of cable fixation for acetabular fractures using posterior approach
3-Po-207	Does an acetabular fracture alone lead to hemorrhagic shock? Shudo Nakamura, et al., Nippon Medical Chiba Hokusoh Shock & Trauma Center S921
3-Po-208	Reproduction of fragility fractures of the pelvis by finite element method
3-Po-209	A study of the effectiveness of dual energy CT in the diagnosis of sacral fracture Takahiro Oda, et al., Dept. of Orthop. Surg., Hyogo Prefectural Nishinomiya Hosp S922
10:30 ~	11:05 Poster (Booth No.1, Marine Messe Fukuoka Hall B) Moderator Y. Shibata
Irrepa	rable rotator cuff tear
3-Po-210	Postoperative clinical outcomes after rotator cuff repair by modified Debeyre-Patte procedure: A multi-center study
3-Po-211	Clinical outcomes of arthroscopic rotator cuff repair with muscle advancement for large and massive rotator cuff tears Atsushi Okubo, et al., Dept. of Orthop. Surg., Nippon Medical School Chiba Hokusoh Hosp S923
3-Po-212	Recovery of ADL in patients after arthroscopic superior capsular reconstruction
3-Po-213	The clinical outcomes and repair integrity of superior capsule reconstruction for reinforcement of arthroscopic rotator cuff repair
3-Po-214	Relationship between active external rotation and deltoid volume before and after arthroscopic superior capsule reconstruction
3-Po-215	
3-Po-216	Comparison between arthroscopic superior capsule reconstruction and reverse shoulder arthroplasty in cuff tear arthropathy or massive rotator cuff tears

RA: M	iscellaneous 1
3-Po-217	Locomotion training improves physical function, quality of life, and sarcopenia in patients with rheumatoid arthritis
3-Po-218	Association between frailty and physical function in patients with rheumatoid arthritis from the
	fairy study ····· Mochihito Suzuki, et al., Dept. of Orthop./Rheumatology,
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.···S927
3-Po-219	Incidence and risk factors of falling in ambulatory patients with rheumatoid arthritis:
	A prospective study and comparison with the past
3-Po-220	Examination of diagnostic criteria for frailty: Decreased grip strength in patients with
	rheumatoid arthritis ···································
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.···S928
3-Po-221	Relationship between locomotive syndrome and large joints symptoms in rheumatoid arthritis
	patients: T-FLAG study ····································
0 D 000	Japanese Red Cross Aichi Medical Center Nagoya Daiichi Hosp.···S929
3-Po-222	Methotrexate use in rheumatoid arthritis patients is associated with overcoming
	locomotive syndrome ····································
0 D 000	Japanese Red Cross Aichi Medical Center Nagoya Daiichi Hosp.···S929
3-Po-223	Assessment of bone fragility of knee in rheumatoid arthritis using dual-energy CT
	······· Takahito Suto, et al., Dept. of Orthop. Surg., Gunma Univ. Graduate School of Medicine···S930
10:30 ~ Pediat	11:05 Poster (Booth No.3, Marine Messe Fukuoka Hall B) Moderator K. Mishima cric orthopaedics: Hip
3-Po-224	The relationships between questionnaire survey at the examination for developmental dysplasia
	of the hip and orthotic therapy in our hospital ····· <i>Takuya Ogawa, et al.</i> , Dept. of Orthop. Surg.,
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.··S931
3-Po-225	Quality of life in adult patients with developmental dysplasia of the hip who were treated for hip
	dislocation during childhood ······· Kenta Sawamura, et al., Dept. of Orthop./Rheumatology,
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.··S931
3-Po-226	Outcome of the overhead traction for developmental hip dysplasia in our department
3-Po-227	Developmental dysplasia of the hip (DDH) high-risk children's incidence of DDH after
	walking initiation ····· Yusuke Ohashi, et al., Dept. of Orthop. Surg.,
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S932
3-Po-228	A study of cases requiring corrective surgery after treatment of Pavlik harness
	····· Takuya Ogawa, et al., Dept. of Orthop. Surg.,
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S933
3-Po-229	Slipped capital femoral epiphysis under 10 years old
	······································
3-Po-230	A study of factors related to treatment outcomes of the riemenbüegel method for DDH IHDI classification grade 3

Poster (Booth No.2, Marine Messe Fukuoka Hall B)

Moderator Y. Hamada

10:30 ~ 11:05

10:30 ~ Basic	· 11:05 Poster (Booth No.4, Marine Messe Fukuoka Hall B) Moderator H. Terashita research: Biomechanics
3-Po-231	Biomechanical study of the acromial fracture after reverse total shoulder arthroplasty using a finite element model
3-Po-232	······· Kenta Inagaki, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ. S935. The stability of acromioclavicular joint regarding acromioclavicular ligament reconstruction
	method using cadaveric study Fumiya Hattori, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ S935
3-Po-233	Image analysis for improvement of elbow arthroscopy skills
3-Po-234	Comparison of tibial posterior slope angle by between tibial mechanical axis and five diaphyseal tibial axes after total knee arthroplasty
3-Po-235	
3-Po-236	Course variations of dorsalis pedis artery in fresh cadavers
3-Po-237	Usefulness of sonography for minimally invasive costal osteochondral autograft harvesting
10:30 ~ Pain:	Volume 11:05 Poster (Booth No.5, Marine Messe Fukuoka Hall B) Moderator T. Uematsu Evaluation, drug therapy & QOL
3-Po-238	Validity of pain evaluation by observation tools in hospitalized patients with osteoporotic vertebral fractures at our hospital in Kitakyushu ····· Yohei Yoshimi, et al., Moji Medical Center ··· S939
3-Po-239	Toward the development of AI-based neuropathic pain screening Satoshi Suzuki, et al., Dept. of Orthop. Surg., Nihon Univ. S939
3-Po-240	Comparative prospective study of treatment for radicular leg pain and neuropathic pain due to lumbar spine: A preliminary report
3-Po-241	The risk of triple whammy in orthopaedic outpatient
3-Po-242	Association between neck pain and quality of life in inhabitants: Population-based study in mountain village ····································
3-Po-243	Predictive factors of high-cost patients with acute whiplash-associated disorder in Japan
3-Po-244	Women-specific issues impact chronic pain
10:30 ~ THA	v 11:05 Poster (English) (Booth No.6, Marine Messe Fukuoka Hall B) Moderator Y. Okanoue
3-Po-245	Automatic clinical annotations enhance the diagnostic performance of end-to-end models: Explainable AI analysis on images for unstable hips in infants
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S945

3-Po-246	Fluoroscopy-based robotics in total hip arthroplasty mitigates laterality-based differences in acetabular cup placement when compared to manual, fluoroscopic-assisted technique
3-Po-247	Cleveland Clinic Foundation, Cleveland, OH, USA···S943 Fluoroscopy-based robotic assistance for total hip arthroplasty improves acetabular cup placement accuracy for obese patients compared to manual, fluoroscopic-assisted technique
3-Po-248	Cleveland Clinic Foundation, Cleveland, OH, USA···S944 Cost-effectiveness of a novel, fluoroscopy-based robotic-assisted total hip arthroplasty system: A Markov analysis ···································
3-Po-249	Fluoroscopy-based robotic-assisted total hip arthroplasty produces greater improvements in patient reported outcomes at one year compared to manual, fluoroscopic-assisted technique
3-Po-250	Robotic-assisted total hip arthroplasty utilizing a fluoroscopy-guided system resulted in improved intra-operative efficiency relative to a computerized tomography-based platform
3-Po-251	Cleveland Clinic Foundation, Cleveland, OH, USA···S945 Intra-operative soft tissue tension evaluation utilizing a hip tensor in total hip arthroplasty
14:40 ~	15:15 Poster (Booth No.7, Marine Messe Fukuoka Hall A) Moderator S. Soshi
Pediat	ric scoliosis
Pediat 3-Po-252	Machine learning model for predicting the progression for adolescent idiopathic scoliosis from tabular data at the first visit
	Machine learning model for predicting the progression for adolescent idiopathic scoliosis from tabular data at the first visit Shuhei Ohyama, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ S947 Association between postoperative spinal and thoracic deformity parameters and tracheal narrowing in adolescent idiopathic scoliosis Masafumi Kawai, et al., Dept. of Orthop. Surg.,
3-Po-252	Machine learning model for predicting the progression for adolescent idiopathic scoliosis from tabular data at the first visit Shuhei Ohyama, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ S947 Association between postoperative spinal and thoracic deformity parameters and tracheal narrowing in adolescent idiopathic scoliosis Masafumi Kawai, et al., Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kanazawa Univ S947 Visual evaluation of low-dose preoperative CT examinations for pediatric scoliosis using DLIR
3-Po-252 3-Po-253	Machine learning model for predicting the progression for adolescent idiopathic scoliosis from tabular data at the first visit
3-Po-252 3-Po-253 3-Po-254	Machine learning model for predicting the progression for adolescent idiopathic scoliosis from tabular data at the first visit
3-Po-252 3-Po-253 3-Po-254 3-Po-255	Machine learning model for predicting the progression for adolescent idiopathic scoliosis from tabular data at the first visit
3-Po-252 3-Po-253 3-Po-254 3-Po-255 3-Po-256	Machine learning model for predicting the progression for adolescent idiopathic scoliosis from tabular data at the first visit

14:40 ~ Adult	15:15 Poster (Booth No.8, Marine Messe Fukuoka Hall A) Moderator R. Yamamoto spinal deformity 4
3-Po-259	Surgical outcome after release of sternocleidomastoid muscle for neglected congenital muscular torticollis in patients over 20 years old
3-Po-260	Is posterior instrumented fusion useful for cervical spondylotic myelopathy?: A propensity score matching analysis · · · · · · · · · · · · · · · · · ·
3-Po-261	The evaluation for vertebral artery by ultrasonography of posterior cervical fusion surgery using cervical pedicle screws
3-Po-262	Impact of cervical sagittal alignment and range of motion on the development of cervicalspondylotic amyotrophy
3-Po-263	
3-Po-264	Frequency and associated factors of venous thromboembolism in cervical spine surgery
3-Po-265	Gait analysis by the severity of gait disturbance in patients with compressive cervical myelopathy Tatsuo Makino, et al., Div. of Orthop. Surg., Dept. of Regenerative and Transplant Medicine, Niigata Univ. Graduate School of Medical and Dental Sciences S954
14:40 ~ Spond	ylitis & ligamentous ossification Moderator T. Tsuji
3-Po-266	Differences in physical function between ankylosing spondylitis and rheumatoid arthritis from the T-ASK study ····································
3-Po-267	Risk factor of ankylosis at sacroiliac joints in ankylosing spondylitis from T-ASK study
3-Po-268	National survey of pain in patients with spinal ligament ossification through PPI (patient and public involvement) ····································
3-Po-269	Three-dimensional morphological changes after posterior decompression and fusion surgery for thoracic OPLL···································
3-Po-270	Postoperative paralysis in cases with thoracic OPLL: Posterior decompression with instrumented spinal fusion versus anterior decompression through a posterior approach Kohei Takahashi, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine S957
3-Po-271	Characteristics of myelopathy deterioration after ambulation and its preventive measures in posterior fusion surgery after posterior fusion for thoracic OPLL
3-Po-272	Non-alcoholic fatty liver (NAFLD) is strongly associated with posterior longitudinal ligament ossification

Aroun	d knee osteotomy 4	
3-Po-273	Bone marrow edema lesion size in subchondral insufficiency fracture of the knee joint affects clinical outcome after high tibial osteotomy ········ Masato Hara, et al., Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.··S959	
3-Po-274	Morphological characteristics of varus knee in Japanese population and simulation of osteotomy around the knee: A two-center study	
3-Po-275		
3-Po-276	Effect of the medial meniscus repair in association with high tibial osteotomy on postoperative outcomes	
3-Po-277	Dose degeneration of lateral meniscus affect clinical outcomes in around knee osteotomy to medial knee osteoarthritis? ········ Shuhei Oda, et al., Dept. of Orthop. Surg., Katsuragi Hosp. ··· S961	
3-Po-278	The influence of changes in arthroscopic lateral knee findings on postoperative clinical outcomes in medial open wedge high tibial osteotomy	
3-Po-279	Preoperative planning with change of joint line convergence angle for opening wedge high tibial osteotomy ····································	
14:40 ~ DDH:	Pelvic osteotomy 2 Moderator M. Nozawa	
3-Po-280	The feature of distal femoral bone morphology with acetabular dysplasia	
3-Po-281	Femoral head subluxation affects three-dimensional osteophyte formation in women with developmental dysplasia of the hip ···· Hiroto Funahashi, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S963	
3-Po-282	Movement of the femoral head after rotational acetabular osteotomy with bone grafting to osteotomy site	
3-Po-283	Mid-term results of rotational acetabular osteotomy combined with arthroscopic treatment for moderately or severely dysplastic hips	
3-Po-284	Clinical outcomes of eccentric rotational acetabular osteotomy for advanced hip osteoarthritis under 40 years of age Yusuke Osawa, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya UnivS965	
3-Po-285	Clinical results of RAO for over 50 years old patients of hip dysplasia Soutarou Izumi, et al., Dept. of Orthop. Surg., Hiroshima Prefectural Rehabilitation Center S965	
3-Po-286	Comparison of periacetabular osteotomy and total hip arthroplasty in the same patient	

14:40 ~ 15:15 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator T. Yamashita

14:40 ~ Spinal	15:15 Poster (Booth No.12, Marine Messe Fukuoka Hall A) trauma 3	Moderator	T. Maeda
3-Po-287	The fracture of extremity on chronic spinal cord injury	inal Cord Injurv	Center…S967
3-Po-288	Investigation of the association between frailty and complication developm injury without radiographic abnormality ··············Shinji Saito, et al., The Kashiwa Hosp. of the Jikei U.	nent in spinal cor Dept. of Orthop	d . Surg.,
3-Po-289	Thoracolumbar spinal injury and associated multi-site trauma: A nationwice trauma data bank	de study of the Ja	npan
3-Po-290	Post-transfer follow-up research of patients with traumatic cervical spinal one of Masataka Ueda, et al., Science of Functional Recovery and Reconstruction Dentistry, and Pharmaceutical Science	cord injury Dept. of Orthop on, Faculty of Me	. Surg.,
3-Po-291	The efficacy of posterior spinal fixation using SEPS/DEPS for vertebral fr idiopathic skeletal hyperostosis	actures with diff	use
3-Po-292	Clinical outcome of hyperextension injuries of the thoracolumbar spine wiskeletal hyperostosis · · · · · · · Takuya Iimura, et al., Dept. of Orthop. S	ith diffuse idiopa	thic
3-Po-293	Validity of the of score and clinical outcomes in conservative treatment of vertebral fractures	-	· Hosp.···S970
14:40 ~ Glenol	15:15 Poster (Booth No.1, Marine Messe Fukuoka Hall B) numeral instability	Moderator H	Funasaki
3-Po-294 3-Po-295	The involvement of the middle and inferior glenohumeral ligaments in the the shoulder ····································	urg., Mirai Kosei	
3-Po-296	shoulder dislocation ················· Tadahisa Takahashi, et a Comparison of the prevalence of Hill-Sachs injuries and bony Bankart lesi	al., Soma Central	HospS971
3-Po-297	dislocations and subluxations ····································		HospS972
3-Po-298			
3-Po-299			
3-Po-300	Open Bankart & Bristow procedure for anterior shoulder instability: Radiological and arthroscopic findings and medium to long-term clinical outcomes		
14:40 ~ RA: M	15:15 Poster (Booth No.2, Marine Messe Fukuoka Hall B) Miscellaneous 2	Moderator H.	Nakamura
3-Po-301	Results of three-year denosumab treatment in RA patients with bone erosi ———————————————————————————————————		Clinic…S975

3-Po-302	Treatment outcomes of rheumatoid arthritis: Evaluation of 10-year data from the KURAMA cohort		
	······ Takayuki Fujii, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ. S975		
3-Po-303	9 . 9		
	arthritis from multicenter prospective observational PRESENT study?		
3-Po-304	Evaluating glomerular filtration rate slope for patients with rheumatoid arthritis		
3 10 304	Kenya Terabe, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,		
	Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S976		
3-Po-305	A study of risk factors for the development of cardiovascular disease in patients with		
	rheumatoid arthritis ······ <i>Masataka Maeda, et al.</i> , Dept. of Orthop. Surg., Toyota Kosei Hosp.···S977		
3-Po-306 Survey on elderly rheumatoid arthritis patients who are difficult to treat			
3-Po-307	Patient subjective assessment using new remission criteria in patients with rheumatoid arthritis		
	from the T-FLAG study ············ Mochihito Suzuki, et al., Dept. of Orthop./Rheumatology,		
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,		
	Graduate School of Medicine, Nagoya Univ.···S978		
14:40 ~			
Pedial	tric Orthopaedics: Upper & lower limb		
3-Po-308	A study of varus deformity in Gartland type 2 supracondylar humerus fractures		
	····· Kei Takeuchi, et al., Dept. of Orthop. Surg., Tokyo Metropolitan Children's Medical Center···S979		
3-Po-309	Relapse rate and complications of congenital idiopathic clubfoot treated with the		
	Kameshita-Machida method more than minimum 6 years of follow-up		
3-Po-310	-		
3 10 310	Mid- to long-term clinical outcomes of Wassel type 4 thumb polydactyly Nana Ichikawa, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine \$980		
3-Po-311	Cross-sectional study on flat foot in elementary and junior high school students		
	······· Takahide Sasaki, et al., Dept. of Orthop. Surg., Wakayama Medical Univ. Kihoku Hosp. ··· S980		
3-Po-312	Long-term post-operative outcomes of polydactyly of the foot		
3-Po-313	The characteristics and treatment outcomes of congenital clasped thumb		
3-Po-314	Upper limb movements in pre- and postoperative 3D gait analysis of spastic cerebral palsy		
	Hokkaido Medical Center for Child Health and Rehabilitation…S982		
14:40 ~	15:15 Poster (Booth No.4, Marine Messe Fukuoka Hall B) Moderator N. Saito		
Basic	research: Knee		
3-Po-315	Aging promotes heterotopic ossification in tendons and ligaments		
	······ Masashi Isaji, et al., Dept. of Orthop. Surg., National Defense Medical College ··· S983		
3-Po-316	Chondroprotective effect of intra-articular injection of chondrogenic differentiated		
	adipose-derived mesenchymal stem cells sheet in an experimental rabbit model		
3-Po-317	The potential of using an autogenous tendon graft by injecting bone marrow aspirate in a rabbit		
	meniscectomy model · · · · · · · · · · · · · · · · · · ·		
	Osaka Metropolitan Univ. Graduate School of Medicine…S984		

3-Po-318	Effect of extracorporeal shockwave therapy on medial meniscus degeneration in the animal model (second report)		
3-Po-319			
3-Po-320			
3-Po-321			
14:40 ~ Perior	15:15 Poster (Booth No.5, Marine Messe Fukuoka Hall B) Moderator T. Okawa perative complications: Lower limb 1		
3-Po-322	Pathological evaluation of permanent specimens obtained through ultrasound-guided synovial biopsy in suspected infection cases following TKA		
3-Po-323	Yusuke Nakagawa, et al., Dept. of Orthop. Surg., Tokyo Medical and Dental Univ. HospS987 Characteristics of postoperative body temperature and its association with in-hospital infection after hip fracture surgery		
3-Po-324			
3-Po-325	Influence of greater trochanteric bone density and morphology on perioperative greater trochanteric fracture following total hip arthroplasty via anterolateral approach		
3-Po-326	Graduate School of Medical Sciences, Kanazawa Univ.···S988 The 80–50 problem lying in patients with hip fracture: Nutritional status, contralateral hip fracture, type of residence		
3-Po-327			
3-Po-328	Clinical outcome of the proximal femoral fracture patients with severe aortic stenosis		
14:40 ~ Foot &	Poster (English) (Booth No.6, Marine Messe Fukuoka Hall B) Moderator K. Yano kankle		
3-Po-329	Characteristics of rheumatoid arthritis patients with moderate or severe hallux valgus deformity		
3-Po-330	The effectiveness hindfoot endoscopic surgery for posterior ankle impingement syndrome with and without osseous lesions in athletes		
3-Po-331	Pedobarography and ankle-foot kinematics in children with symptomatic flexible flatfoot after medializing calcaneal osteotomy: A cross-sectional study		
3-Po-332	Noppachart Limpaphayom, et al., Dept. of Orthop., Chulalongkorn Univ., Bangkok, Thailand S992 Biological adjuvants in hindfoot arthrodesis: Limited evidence 		

3-Po-333	A comparison of outcomes of locking versus nonlocking plate fixation for the distal fibula fractures: A systematic review and meta-analysis		
3-Po-334			
3-Po-335	Foot biomechanic through modification of the Achilles tendon, to improve athletic performance in football and in ballet dance ······· <i>Lorenzo Andaloro</i> , Dept. of Pod Center, Florence, FI, Italy···S994		
15: 25 ~ Adoles	2 16:00 Poster (Booth No.7, Marine Messe Fukuoka Hall A) Moderator K. Watanabe scent idiopathic scoliosis: AIS 1		
3-Po-336	Postoperative course of idiopathic scoliosis with proximal thoracic curve involving cervical spine <i>Takuya Yamamoto, et al.</i> , Dept. of Orthop. Surg., Kagoshima City Hosp.···S995		
3-Po-337	Does clinical outcome vary with age in patients with Lenke type 1? Tomohiro Banno, et al., Div. of Surg. Care Morimachi, Hamamatsu Univ. School of Medicine S995		
3-Po-338	Efficacy of vertebral coplanar alignment for hypokyphotic adolescent idiopathic scoliosis to restore physiologic thoracic kyphosis		
3-Po-339	Effect of Ponte osteotomy in vertebral coplanar alignment for adolescent idiopathic scoliosis		
3-Po-340	Report on the minimum detectable measured difference achievement rates for SRS-22 of the coplanar method for idiopathic scoliosis ······· <i>Junya Katayanagi, et al.</i> , Dept. of Orthop. Surg., Dokkyo Medical Univ. Saitama Medical Center···S997		
3-Po-341	Surgical outcomes of adolescent idiopathic scoliosis complicated by lumbar spondylolysis		
3-Po-342	Do sacral and pelvic obliquity change after corrective surgery for adolescent idiopathic scoliosis?		
15: 25 ~ Spinal	16:00 Poster (Booth No.8, Marine Messe Fukuoka Hall A) Moderator K. Jinbo deformity 1		
3-Po-343	Accuracy of pedicle screw placement with three different guided technique in adolescent idiopathic scoliosis: Retrospective study of 1385 screws		
3-Po-344	Institute of Biomedical Sciences, Tokushima Univ. Graduate School…S999 Accuracy of pedicle screw insertion using navigation for idiopathic scoliosis surgery Shunsuke Katsumi, et al., Dept. of Orthop. Surg., The Jikei Univ. School of Medicine…S999		
3-Po-345	Utility of robot assisted spinal surgery for adolescent idiopathic scoliosis: Comparison with fluoroscopic insertion method		
3-Po-346			
3-Po-347	Differences in lumbosacral vertebrae bony unions and arthropathic changes in the sacroiliac joints between intra-articular and extra-articular s2-alar-iliac screws?		
3-Po-348	Morphological features of the sacroiliac joint and measures for inserting the long S2-alar iliac screw into the optimal position		
3-Po-349	Fumito Tanabe, et al., Dept. of Orthop. Surg., Kirishima Orthop. HospS1001 More rigid fixation of pelvis increased the angular motion and stress at the hip joint Takuhei Kozaki, et al., Dept. of Orthop. Surg., Saiseikai Wakayama HospS1002		

15 : 25 ~ Spinal	· 16:00 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator K. Mori ligamentous ossification	
3-Po-350	Return to work of patients after cervical OPLL surgery based on a multicenter survey	
3-Po-351	Comparison of reoperation incidence after anterior versus posterior decompression and fusion for cervical ossification of the posterior longitudinal ligament	
3-Po-352	Soichiro Masuda, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto UnivS100 Clinical results with anterior controllable antedisplacement and fusion (ACAF) for cervical ossification of the posterior longitudinal ligament	
3-Po-353	Bungo Otsuki, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto UnivS100 The efficacy of K-line in the neck-extended position for surgical selection of cervical ossification of the posterior longitudinal ligamentHiroto Tokumoto, et al., Dept. of Orthop. Surg., Graduate School of Medical and Dental Sciences, Kagoshima UnivS100	
3-Po-354	Examination of sacroiliac joint fusion range in DISH (diffuse idiopathic skeletal hyperostosis) patients and comparison with SpA (spondyloarthritis) patients	
3-Po-355	Association between the progression of diffuse idiopathic skeletal hyperostosis and the surgical outcome of spinal fracture	
3-Po-356		
15 : 25 ~ Aroun	16:00 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator H. Aoki d knee osteotomy 5	
3-Po-357	Under-correction was associated with residual proinflammatory gene expressions and poor clinical results after high tibial osteotomy	
3-Po-358	Clinical course and risk factors to postoperative lateral hinge fractures in medial opening wedge distal tibial tuberosity osteotomy	
3-Po-359	A study of the running of the popliteal artery at the adductor hiatus during medial closed wedge distal femoral osteotomy	
3-Po-360	Fumiyoshi Kawashima, et al., Dept. of Orthop. Surg., Fujigaoka Hosp., Showa UnivS100 A case of acute limb ischemia during high tibial osteotomyNaohiro Uezono, et al., Dept. of Orthop. Surg., Imamura General HospS100	
3-Po-361	Evaluation of common peroneal nerve injury in closed wedge high tibial osteotomy	
3-Po-362	Anatomy of popliteal artery in distal femoral osteotomy using contrast-enhanced computed tomographyShu Takagawa, et al., Dept. of Orthop. Surg., Yokohama City Univ. Medical CenterS100	
3-Po-363	Improvement of posterior tibial slope and flexion contracture in hybrid closed wedge high tibial osteotomy ············Shuya Ide, Tsuruta Orthop. Clinic···S101	

THA:	Surgical result 2		
3-Po-364	Attempt to evaluate various aspects of total hip arthroplasty: Focusing on gait speed, locomo25, physical activity, number of steps		
3-Po-365			
3-Po-366	Global offset and clinical results after total hip arthroplasty in developmental dysplasia of the hip ···································		
3-Po-367	The relationship between leg length difference, offset, and clinical outcomes in THABowen Jiang, et al., Dept. of Orthop. Surg., Hakodate Central General HospS1012		
3-Po-368	Comparison of one-stage or two-stage total hip arthroplasty using anterolateral-supine approach		
3-Po-369	Clinical results of total hip arthroplasty using muscle-sparing direct anterior approach for active patients: A minimum five-year follow-up study		
3-Po-370	Is combined anteversion technique with AR hip navigation useful in preventing dislocation in total hip arthroplasty? ···· <i>Tsunehito Ishida, et al.</i> , Dept. of Orthop. Surg., Tokyo Medical Univ. ··· S1014		
15:25 ~	16:00 Poster (Booth No.12, Marine Messe Fukuoka Hall A) Moderator Y. Nagaya		
Bone	& soft tissue defects		
3-Po-371	Tissue regenerative power of bone lengthening for the treatment of soft tissue and bone defects in severe lower extremity trauma		
3-Po-372	Morphological changes of grafted bone in patients with tibial bone defects reconstructed with the induced membrane technique ····· Gen Sasaki, et al., Dept. of Orthop. Surg., Teikyo Univ.···S1015		
3-Po-373	Reconstruction for tissue defect in lower extremity with chain flap transfer Rikuo Shinomiya, et al., Dept. of Musculoskeletal Traumatology and Reconstructive Surg., Graduate School of Biomedical and Health Sciences, Hiroshima UnivS1016		
3-Po-374	Prophylactic administration of continuous local antibiotics perfusion for open fractures to prevent infections ····································		
3-Po-375	Use of primary external fixator in Japan: Study using NDB open data		
3-Po-376	Video application for emergency transport of patients with amputated fingers and open limb injuries		
	·······Katsuhiro Tokutake, et al., Dept. of Hand Surg., Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S1017		
15:25 ~	16:00 Poster (Booth No.1, Marine Messe Fukuoka Hall B) Moderator H. Sugiura		
Tumo	r: Diagnosis		
3-Po-377	Can a non-contact thermometer determine whether a soft tissue tumor is benign or malignant?		
3-Po-378			
3-Po-379	Influence of lifestyles and lifestyle-related diseases on diagnosis of benign or malignant soft tissue tumors ······ <i>Taketsugu Fujibuchi, et al.</i> , Dept. of Bone and Joint Surg., Ehime Univ. Graduate School of Medicine ··· S1019		

15: 25 ~ 16:00 Poster (Booth No.11, Marine Messe Fukuoka Hall A)

Moderator N. Taniguchi

3-Po-380	The investigation of usefulness and indications for needle biopsy in soft tissue tumors		
3-Po-381	Graduate School of Medical and Dental Sciences, Kagoshima Univ.···S1019 Review of reference sheet of malignant soft tissue tumor from a previous clinician		
3-Po-382	Intrapulmonary lymph node in sarcoma patients		
3-Po-383	Imaging features and radiologic-pathologic correlations of soft tissue sarcoma with infiltrative growth pattern ····································		
15: 25 ~ Sports	Poster (Booth No.2, Marine Messe Fukuoka Hall B) Moderator Y. Iwama s: Knee 2		
3-Po-384	perforation of the lateral meniscus during surgery		
3-Po-385			
3-Po-386	One-year outcome and knee instability after ramp repair with all-inside device: Quantitative evaluation of pivot shift test using inertial sensor		
3-Po-387	Relationship increase of medial meniscal extrusion between pre-operation and 2-year follow-up		
	after double-bundle ACL reconstruction and bone tunnel position		
	······································		
0 D 000	Center for Preventive Medical Sciences, Chiba Univ.···S1023		
3-Po-388	Short time changes of meniscal extrusion after repair for longitudinal tear of the medial meniscus ·······················Akira Tsujii, et al., Dept. of Sports Medical Biomechanics,		
	Graduate School of Medicine, Osaka Univ.··S1024		
3-Po-389	Relationship between bone tunnel location and displacement in pull-out suture for medial		
	meniscus posterior root tear using a cadaveric knee		
	Shuko Tsumoto, et al., Dept. of Orthop. Surg.,		
	Osaka Metropolitan Univ. Graduate School of Medicine…S1024		
15:25~	,		
Locomo: Epidemiology			
3-Po-390	Factors in the development of locomotive syndrome in the coronary disaster: Yakumo study		
	Sadayuki Ito, et al., Dept. of Orthop./Rheumatology,		
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.··S1025		
3-Po-391	Progression of locomotive syndrome and quality of life the level 3 reflects deterioration of physical and social functions		
	······· Taisuke Seki, et al., Dept. of Orthop. Surg., Aichi Medical Univ. Medical Center···S1025		
3-Po-392	2 Influence of knee osteoarthritis severity on falls—A cross-sectional study using data from the locomotor health examination: LOHAS study		
	······ Tatsuru Sonobe, et al., Dept. of Orthop. Surg., Fukushima Medical Univ.···S1026		

3-Po-393	Is there a difference in the progression of locomotive syndrome between coronary and		
	noncoronary scourges in three years? Yuto Ozawa, et al., Dept. of Orthop./Rheumatology, Musculoskel Program in Integrated Medicine, Graduate School of		
3-Po-394	Association between restricted outings and geriatric locomotive function scale score in the general elderly population during the COVID-19 pandemic		
3-Po-395	Changes in muscle strength and degree of locomotive syndrome before and after COVID-19 pandemic in elderly people living in community		
3-Po-396			
15: 25 ~	16:00 Poster (Booth No.4, Marine Messe Fukuoka Hall B) uter assisted surgery: Shoulder & miscellaneous	Moderator M. Yoshida	
3-Po-397	The value of preoperative planning and navigation system for ideal RS.	A baseplate	
3-Po-398	screw insertion ······ Natsuki Maruyama, et al., Dept. of Orthop. Surg., Sapporo Medical Univ.···S1029 Validation of the function of measuring leg extension and offset in a lateral position THA using a tablet device		
3-Po-399	Takeaki Yamamoto, et al., Dept. of Orthop. Surg., St. Marianna Univ. School of Medicine S1029 Correlation analysis of rotator cuff muscle Hounsfield unit and Goutallier classification using dual-energy CT for rotator cuff tear patients		
3-Po-400			
3-Po-401	Examination of the results of THA portable navigation and cases where it cannot be used Hiroki Kobayashi, et al., Dept. of Orthop. Surg., National Defense Medical College S1031		
3-Po-402	Differences in stem anteversion angles placed by intraoperative lower leg axis reference between anterior and posterior approach in lateral THA		
3-Po-403	Reproducibility of preoperative planning of the hip center in THA usin	g CT based navigation	
15 : 25 ~ Perior	Poster (Booth No.5, Marine Messe Fukuoka Hall B) perative complications: Lower limb 2	Moderator M. Inoue	
3-Po-404	Clinical presentation of 14 cases of fat embolism syndrome	mergency Medical Center…S103	
3-Po-405			
3-Po-406	Risk factors for preoperative deep vein thrombosis (DVT) in total hip a association with postoperative DVT		
3-Po-407	The incidence and risk factors of deep vein thrombosis after revision knee arthroplasty		
3-Po-408	An analysis for perioperative blood loss between contemporary cemer knee arthroplasty under local tranexamic acid administration		
	····· Daichi Ishimaru, et al., Dept. of Orthop	. Surg., Gitu Seiryu HospS103	

3-Po-409	The diagnostic value of soluble fibrinmonomer complex and its optimal cutoff values in deep
	vein thrombosis screening
2 D- 410	
3-Po-410	Postoperative delirium impairs ability for walking in hip fracture patients with multiple risk
	factors for delirium ····· Junya Kondo, Dept. of Orthop. Surg., Fukuyama City Hosp.···S1036
15:25~	
Upper	extremity
3-Po-411	Ultrasound and radiological features of supracondylar humerus fractures in children
	Tomohiro Yasuda, et al., Dept. of Orthop. Surg., Fujigaoka Hosp., Showa Univ S1037
3-Po-412	Treatment of type III & IV supracondylar fractures humerus in children: An innovative method
	of CRPP for avoiding conventional complications
	······Anilkumar Vidyadharan, et al., Dept. of Orthop. Surg.,
	Semalk Hosp., Ottapalam, Kerala, India…S1037
3-Po-413	Improved healing and functional outcome at 6 months after injecting LR-PRP in
	arthroscopically repaired labrum: A case control study
3-Po-414	Concomitant long head of the biceps lesions does not affect clinical outcomes superior capsule
	reconstruction in irreparable rotator cuff tears
0 D- 41F	Akihiko Hasegawa, et al., Dept. of Orthop. Surg., Osaka Medical and Pharmaceutical Univ S1038
3-Po-415	Radiological healing of the rotator cuff on MRI does not correlate with functional outcomes after arthroscopic rotator cuff repair ·························Tarun Goyal, AIIMS Bathinda, India ····S1039
3-Po-416	Early experiences from a new proximal humerus fracture registry
3 10 410	
3-Po-417	Fixation of simple olecranon fractures using a hybrid intramedullary screw and tension
	band construct ·········· Neil Jain, et al., Dept. of Orthop. Surg., TTUHSC, Lubbock, TX, USA···S1040
10.10	
16: 10 ~ Adoles	• 16: 45 Poster (Booth No.7, Marine Messe Fukuoka Hall A) Moderator T. Torio scent idiopathic scoliosis: AIS 2
3-Po-418	Effect of the COVID-19 pandemic to medical examination of patients with adolescent
3 10 410	idiopathic scoliosis ······· Rena Wakabayashi, et al., Dept. of Orthop. Surg., Koto Kosei Hosp. ··· S1041
3-Po-419	Development of a method for quantifying waistline asymmetry in scoliosis
	Clinical Medicine, Graduate School of Medical Sciences, Kyushu Univ.··S1041
3-Po-420	The correction rate by nighttime brace for adolescent idiopathic scoliosis patients: Good for the
	lumbar curve ······ Kenji Kato, et al., Dept. of Orthop. Surg.,
	Nagoya City Univ., Graduate School of Medical Sciences…S1042
3-Po-421	Psychological stress and evaluation of quality of life in patients with adolescent idiopathic
	scoliosis under brace treatment: Preliminary report
3-Po-422	Is it useful to use PFMI (proximal femur maturity index) in determining when to end brace
	treatment for AIS? · · · · · · · · · · · · · · · · · · ·
	Science of Functional Recovery and Reconstruction, Faculty of Medicine,
2_D ₀₋ 492	Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S1043
3-Po-423	Adolescent idiopathic scoliosis tended to be associated with shifted heart to the left and the sternum
3-Po-424	Trunk muscle mass and Cobb angle are involved in coronal alignment in patients with
	idionathic scoliosis

16:10 ~ Spinal	16:45 Poster (Booth No.8, Marine Messe Fukuoka Hall A) deformity 2	Moderator	C. Ushiku
3-Po-425	Characteristics of postural abnormalities, bone density and skeletal must with Parkinson's disease ··································	Dept. of Orthop.	Surg.,
3-Po-426	Impact of diabetes mellitus on adult spinal deformity surgery		
3-Po-427	Tomohiro Yamada, et al., Dept. of Orthop. Surg., Hamamatsu U The impact of frailty on postoperative courses in surgically-treated older spinal deformity Shunji Tsutsui, et al., Dept. of Orthop. Surg., W	patients with adu	ılt
3-Po-428	Effect of disease activity on the progression of scoliosis in patients with r Shintaro Honda, et al., Dept. of Orthop. Surg., Graduate School or		
3-Po-429	Investigation of risk factors contributing to venous thromboembolism affi surgery for adult spinal deformity 	ter posterior corr	rection
3-Po-430	Impact of osteoporosis on gait after corrective fusion surgery for adult sp A study using three-dimensional gait analysis	pinal deformity:	
3-Po-431	Lower limb skeletal muscle supporter using elastic contraction for adult improves walking distance and gait posture	spinal deformity	
16:10 ~ Spinal	16:45 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Monitoring	Moderator H.	Shigematsu
3-Po-432	Post tetanic motor evoked potentials monitoring increases the success raneurophysiological monitoring such in cases with preoperative motor of	leficit	ıl UnivS1049
3-Po-433	Longitudinal changes in outcomes of Tc-MEP monitoring during extram tumor surgery ······ Hiroki Ushirozako, et al., Dept. of Orthop. Surg., M	edullary spinal c	ord
3-Po-434	Fade phenomenon of transcranial and spinal cord stimulation motor evolution intraoperative neurophysiological monitoring in thoracic spine surgery		
3-Po-435	Can anal plug predict postoperative bladder and bowel dysfunction durin tumor surgery?	ig intramedullary	7
3-Po-436	Efforts to reduce intraoperative spinal cord monitoring false positives in surgery: Creation of monitoring flowchart	intramedullary t	umor
3-Po-437	Evaluation of conus disorders due to thoracolumbar vertebral fracture upotential with transcranial magnetic stimulation	sing motor evoke	ed
16:10 ~ ACL	16:45 Poster (Booth No.10, Marine Messe Fukuoka Hall A)	Moderator T	. Watanabe

3-Po-438 Effect of ramp lesion repair with ACL reconstruction on knee instability and comparison of cure rates on MRI images ... Hikaru Ishibashi, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine... \$1052

3-Po-439	Is it possible to predict the posterior instability of meniscal ramp lesions observed on MRI at knee flexed position?
3-Po-440	Posterior displacement of meniscocapsular ligament in ramp lesions on MRI at knee flexion is associated with anterior tibial subluxation
3-Po-441	Hibiki Kakiage, et al., Dept. of Orthop. Surg., Gunma Univ. Graduate School of Medicine S1053 Relationship between lateral meniscal oblique radial tears and knee instability in anterior cruciate ligament injured knees Shunya Tsuji, et al., Dept. of Orthop. Surg., Graduate School of Biomedical and Health Sciences, Hiroshima Univ S1053
3-Po-442	Association between anterior tibial subluxation and postoperative results of anterior cruciate ligament reconstruction
3-Po-443	Changes of anterior tibial subluxation and tibial tubercle-trochlear groove distance after anterior cruciate ligament injury
3-Po-444	Comparison of soft tissue damage and postoperative pain in arthroscopic anterior cruciate ligament reconstruction with and without using a tourniquet
16:10 ~ THA: 0	16:45 Poster (Booth No.11, Marine Messe Fukuoka Hall A) Moderator T. Iwase Complication 2
3-Po-445	Total hip arthroplasty improves fall risk in patients with hip osteoarthritis
3-Po-446	Capsular ligament suture with a non-absorbable artificial ligament (Broad Band loop) controls external rotation in THA via direct anterior approach
3-Po-447	Dislocation prevention effect in direct superior approach for total hip arthroplasty (THA): Comparison with posterior approach
3-Po-448	Examination of blood transfusion risk antero-lateral supine THA in non-drained using tranexamic acid ··············Hirohisa Fujimaki, et al., Dept. of Orthop. Surg., Nihon Univ. Hosp.···S1057
3-Po-449	Considerations for complications and prevention when using the Fit & Fill stem Takahiro Iwaki, et al., Dept. of Orthop. Surg., Tokyo Medical Univ. HospS1058
3-Po-450	Changes in cup angle following total hip arthroplasty in relation to sagittal spinal alignment alterations ····································
3-Po-451	Usefulness of D-dimer for the diagnosis of chronic prosthetic joint infection
16:10 ~ Patella	16:45 Poster (Booth No.12, Marine Messe Fukuoka Hall A) Moderator T. Yasui a & calcaneus fracture
3-Po-452	Inferior pole fracture of the patella on computed tomography is associated with postoperative patella baja in patients with patellar fracture

3-Po-453	Predictors of postoperative complications of tension band wiring techniques for patella fracture: A retrospective multicenter (TRON group) study
3-Po-454	Graduate School of Medicine, Nagoya Univ.···S1060 Does preoperative manual reduction (Omoto technique) affect surgical outcomes for calcaneal
	fractures?: A multicenter (TRON group) retrospective study
3-Po-455	Graduate School of Medicine, Nagoya Univ.···S1061 Comparison of the outcomes of plating, screw fixation, and pinning in Sanders type II fractures: A multicenter (TRON) retrospective study
3-Po-456	A comparative study between lateral approach and medial with lateral approach for intra-articular calcaneal fractures with displaced sustentaculum fragment
3-Po-457	
16:10 ~ Tumor	· 16:45 Poster (Booth No.1, Marine Messe Fukuoka Hall B) Moderator M. Hakozaki r: Follow-up
3-Po-458	Postoperative recovery period for soft-tissue sarcoma of the thigh with acute rehabilitation alone ·······················Atsushi Tanaka, et al., Dept. of Orthop. Surg., Shinshu Univ.···S1063
3-Po-459	Serial changes in limb functional score after musculoskeletal tumor surgery
3-Po-460	Institute of Biomedical Sciences, Tokushima Univ. Graduate School···S1063 Bone and soft tissue sarcomas related with Li-Fraumeni syndrome
3-Po-461	National Cancer Center Hosp.···S1064 Outpatient clinic for hereditary bone and soft tissue tumors for patients at high risk of developing sarcoma
0 D 400	····· Eiji Nakata, Dept. of Orthop. Surg., Science of Functional Recovery and Reconstruction, Faculty of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S1064
3-Po-462	Soft tissue sarcoma patient compliance in completing electronic patient-reported outcome during administration of anti-tumor agent: SOOS multi-institutional study
3-Po-463	Institute of Biomedical Sciences, Tokushima Univ. Graduate School···S1065 Monitoring fertility after treatment for high-grade sarcoma in adolescent and young male patients······· <i>Manabu Hoshi, et al.</i> , Dept. of Orthop. Surg., Osaka City General Hosp.···S1065
16: 10 ~ Sports	2 16:45 Poster (Booth No.2, Marine Messe Fukuoka Hall B) Moderator Y. Takeda S: Shoulder
3-Po-464	Evaluation of bilateral humeral retroversion angle of the high school baseball players
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S1066

3-Po-465	The amount of change in the first rib tilting in neutral and maximal external rotation of the shoulder during pitching
3-Po-466	
3-10-400	Relationship between anterior translation of humeral head, and glenoid bone defect
	Research and Innovation, Nagoya City Univ., Graduate School of Medical Sciences···S106
3-Po-467	The effect of pre-operation glenoid morphology and coracoid transfer position in arthroscopic Bankart & Bristow ······· Ryosuke Kimura, et al., Dept. of Orthop. Surg., Asao General Hosp. ··· S106
3-Po-468	Return-to-play results of baseball players after surgery for thoracic outlet syndrome with arthroscopically-assisted first rib resection ······ Toru Takahashi, et al., Keiyu Orthop. Hosp.···S106
3-Po-469	Prevalence of thoracic outlet syndrome in athletes who visited our clinic with shoulder and elbow pain as the chief complaint
16:10~	,
Locom	no: Spine
3-Po-470	Assessing surgical outcomes in cervical spine disease patients using the 25-question geriatric locomotive function scale
	······································
3-Po-471	Interaction between locomotive syndrome and frailty in lumbar spinal canal stenosis
2_Do_479	
3-Po-472	Age and gender related variation in global spinal alignment, body composition, and the related physical performance in a healthy population
3-Po-473	Assessment of locomotive syndrome and physical function in lumbar spinal stenosis patients with diffuse idiopathic skeletal hyperostosis
	······ Takaki Shimizu, et al., Dept. of Orthop. Surg., Kanazawa Munic. Hosp.···S107
3-Po-474	Influence of diffuse idiopathic skeletal hyperostosis in a community-living older adults on quality of life, and locomotive syndrome
0 D 475	
3-Po-475	The low %VC is a postoperative poor improvement factor in lumbar spinal stenosis patients with stage 3 for locomotive syndrome Takakina Mai, et al. Don't of Orthon Surg. Nora Medical Univ. \$107.
3-Po-476	<i>Takahiro Mui, et al.</i> , Dept. of Orthop. Surg., Nara Medical UnivS107 Does surgery for lumbar spinal stenosis improve to the same stages for locomotive syndrome
3 10 470	as the general elderly population?
16:10~	- 16:45 Poster (Booth No.4, Marine Messe Fukuoka Hall B) Moderator T. Furuya
Artific	rial intelligence: Spine
3-Po-477	An algorithm for using deep learning to identify extremely mild AIS patients and false positive cases in scoliosis screening · · · · · · · Terufumi Kokabu, et al., Dept. of Orthop. Surg.,
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S107
3-Po-478	Deep learning image reconstruction for CT of the spine
	······································
3-Po-479	Using artificial intelligence to diagnose spondylolysis
O I O TIV	

3-Po-480	Conservative treatment outcome prediction model for proximal-type cervical spondylotic amyotrophy using machine learning
3-Po-481	Extracting registry entry items from spinal surgery records using large-scale language models Satoshi Maki, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba UnivS1075
3-Po-482	Development of a prognostic model for bladder and bowel dysfunction in traumatic spinal cord injury patients using machine learning Takaki Kitamura, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ S1075
3-Po-483	Finite element analysis for mechanism of occasional ALL rupture with posterior correction procedure in corrective surgery for ASD using LLIF
16:10 ~ Perion	16:45 Poster (Booth No.5, Marine Messe Fukuoka Hall B) Moderator H. Yoshida perative complications: Spine
3-Po-484	Factors affecting deep vein thrombosis in the perioperative period of lumbar surgery
3-Po-485	Does continuation of antiplatelet medication affect the complication and surgical outcomes after minimally invasive lumbar posterior decompression surgery?
3-Po-486	Osaka Metropolitan Univ. Graduate School of MedicineS1077 Does intraoperative hypothermia increase intraoperative estimated blood loss in posterior spinal fusion surgery for adolescent idiopathic scoliosis patients?
3-Po-487	Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S1078 Postoperative complications in anterior cervical surgery: Is there a higher incidence of dysphagia and respiratory complications with long-segment surgery?
3-Po-488	From navigation to robotics: How has the screw accuracy rate for adult spinal deformity surgery changed? Takehing Wideshing et al. Don't of Onthon Surger St. Marianna Univ. School of Medicine v. \$1070
3-Po-489	Significance of UIV anchor selection based on mechanical analysis in adult spinal deformity correction surgery: A T7-pelvis model study
3-Po-490	······ Yuki Kinoshita, et al., Scoliosis Center, Dept. of Orthop. Surg., Osaka City General Hosp.···S1079 Factors of screw deviation during use of a spinal surgery-assisted robot in 166 cases ·················Jun Ueno, et al., Dept. of Orthop. Surg., St. Marianna Univ. Hosp.···S1080
16:10 ~ Spine	- 16:45 Poster (English) (Booth No.6, Marine Messe Fukuoka Hall B) Moderator K. Kadoya basic & others
3-Po-491	Canceled
3-Po-492	Minimal clinically important difference of gait and balance ability in patients underwent corrective long spinal fusion for adult spinal deformity
3-Po-493	Canceled
3-Po-494	Impact of a specialized outpatient clinic on bone metastasis and its burden on spine surgeons Hiroyuki Tsuchie, et al., Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine \$1082
3-Po-495	Local recurrence rate after intra-lesional pediculectomy after total en bloc spondylectomy in primary spinal tumors

3-Po-496	A study of stenotic changes of celiac artery before and after adult spinal deformity surgery
16:55 ~ Adoles	v 17 : 30 Poster (Booth No.7, Marine Messe Fukuoka Hall A) Moderator M. Miyagi scent idiopathic scoliosis: AIS 3
3-Po-497	Relationship between sagittal alignment of the cervical spine and thoracic kyphosis after posterior corrective fusion for adolescent idiopathic scoliosis
3-Po-498	Usefulness of modified S-line for upper instrumented vertebra selection in adolescent idiopathic scoliosis Lenke type 1C and 2C curves
3-Po-499	The risk factors for postoperative proximal junctional kyphosis in patients with AIS Lenke type 1 and 2 · · · · · · · Tomohiro Banno, et al., Div. of Surg. Care Morimachi, Hamamatsu Univ. School of Medicine · · · S1085
3-Po-500	Comparative study of cervical spine alignment changes following surgery for adolescent idiopathic scoliosis in Lenke type 1, 2 and/or type 5
3-Po-501	Graduate School of Medical Science, Univ. of YamanashiS1085 Risk factors for postoperative shoulder imbalance in Lenke type 2 patients with scoliosis correction by vertebral coplanar alignment (VCA) technique
3-Po-502	Longitudinal evaluation of uninstrumented lumbar intervertebral disc 10 years after posterior spinal fusion for adolescent idiopathic scoliosis using MRISatoshi Suzuki, et al., Dept. of Orthop. Surg., Keio UnivS1086
3-Po-503	In residual AIS patients who have thoracolumbar/lumbar curves, instability of the facet joints causes lateral translations, leading to decreased flexibility
16:55 ~ Spinal	17:30 Poster (Booth No.8, Marine Messe Fukuoka Hall A) Moderator M. Ozaki trauma 1
3-Po-504	Blunt vertebral artery injuries associated with cervical spine fractures
3-Po-505	Association between neutrophil to lymphocyte ratio and delirium in patients after spinal cord injury: A single-center, retrospective cohort study Kosuke Nitta, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine S1088
3-Po-506	Is traumatic disc injury a risk for corrective loss after posterior fixation?
3-Po-507	Ten-year outcomes of our treatment for acute thoracolumbar injuries
3-Po-508	Characteristics of upper thoracic cage fracture
3-Po-509	The treatment outcomes for elderly or super-elderly patients (aged 80 and above) with cervical spinal cord injuries
3-Po-510	ITB therapy for severe spasticity

16:55 ~ Spine:	17:30 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator K. Nakanishi New technology
3-Po-511	Factors leading to open revision surgery after trans-sacral canal plasty for lumbar spine diseaseDaigo Arimura, et al., Dept. of Orthop. Surg., The Jikei Univ. School of MedicineS1092
3-Po-512	Where is the location of the highest-radiation-exposure in the operating room using 3D C-arm?: Effect of patient obesity on occupational exposure
3-Po-513	Safety and efficacy of tranexamic acid in spinal surgery: A systematic review and meta-analysis Kento Yamanouchi, et al., Dept. of Orthop. Surg., International Univ. of Health and Welfare \$1093
3-Po-514	Evaluation of 144 pedicle screws placed using a spinal surgery-assisted robot
3-Po-515	Screw insertion time, registration time, and radiation time for robot-assisted spine deformation surgery using CT-to-fluoro workflow
3-Po-516	
3-Po-517	Accuracy verification of simulation for L5/S-level full endoscopic discectomy using 3D MRI/CT fusion images with artificial intelligence technology
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S1095
16:55 ~ ACL &	2 17:30 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator T. Furumatsu a meniscus
3-Po-518	Evaluation of MRI in meniscus repair for the lateral discoid meniscus <i>Toshihiro Seki, et al.</i> , Dept. of Orthop. Surg., Yamaguchi Univ. Graduate School of Medicine S1096
3-Po-519	Effect of the volume of resected discoid lateral meniscus on the contact stress of the tibiofemoral joint ····································
3-Po-520	Surgical outcomes of meniscus repair using fibrin clots wrapped in a polyglycolic acid sheet for aged 40 and over ········ Yuki Yamanashi, et al., Dept. of Orthop. Surg., Aichi Medical Univ. ··· S1097
3-Po-521	Analytical method for the association between meniscal extrusion and distribution pattern of subchondral bone density across knee joint
	······················Koji Iwasaki, et al., Dept. of Functional Reconstruction for the Knee Joint, Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S1097
3-Po-522	Analysis of the tibial tunnel coalition and clinical outcomes following anatomic double-bundle ACL reconstruction using a novel tibial guide system
3-Po-523	···········Kanto Nagai, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine···S1098 Multiple secondary stabilizer injuries increase rotational instability in ACL-injured knee
3-Po-524	Factors associated with residual pivot shift after ACL reconstruction: A multicenter study
	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S1099

16:55 ~ THA:	717:30 Poster (Booth No.11, Marine Messe Fukuoka Hall A) Preoperative evaluation	Moderate	or S. Aota
3-Po-525	Safe range of femoral implant position in resurfacing hip arthroplasty: Virtu and hip dysplasia · · · · · · · · Takuro Ueno, et al., De	pt. of Orthop.	Surg.,
	Graduate School of Medical Science		
3-Po-526	Changes in posterior pelvic inclination after TKA in THA preoperative plann KA and MA methods		
3-Po-527	··· Hiroaki Murakami, et al., Dept. of Orthop. Surg., Hiroshima City Hiroshima Comparison of 3D and radiographic measurements in leg length differences hip arthroplasty	s in total	
9 D- 590			dicineS1101
3-Po-528	Effect of preoperative spinal imbalance on mobility after total hip arthroplas	pt. of Orthop.	
3-Po-529	Total hip arthroplasty influences spinopelvic motion among supine, standing sitting positions ····································	g, and pt. of Orthop.	Surg.,
3-Po-530	Relationship between perceived and structural leg length discrepancies of p osteoarthritis dysplasia · · · · · · Tsuguaki Hosoyama, Dept. of Endoprosthe	atients with h	ip
3-Po-531	The impact of COVID-19 on the case of hip surgeries in Japan: An analysis wopen data · · · · · · · · · · · · · · · · · ·		
16:55 ~ Ankle	- 17:30 Poster (Booth No.12, Marine Messe Fukuoka Hall A) & foot fracture	Moderate	or T. Ishii
3-Po-532	Ankle medial fractures focusing on the deltoid ligament, considering the late CT image ······ Shinya Adachi, et al., Dept. of Orthop. Surg., Tokyo Metro	politan Hiroo	
3-Po-533	Impact of deltoid ligament injury on clinical outcomes in chronic lateral ank	pt. of Orthop.	Surg.,
3-Po-534	Incidence and location of osteochondral lesion of the talus associated with a evaluated by magnetic resonance imaging	nkle fractures	
3-Po-535	Influence of osteochondral lesion of the talus associated with ankle fractures clinical outcome ······Futoshi Morio, et al., Dept. of Orthop. Surg., Hyogo	s on	
3-Po-536	The comminution of the fibula fracture in the ankle fracture is associated with the open fractures		
3-Po-537	Evaluation of Hounsfield unit values on the subchondral bone of the talus		
3-Po-538	Extracorporeal shock wave therapy for painful nonunion of fracture of interp	ohalangeal coa	alition
16:55~	17:30 Poster (Booth No.1, Marine Messe Fukuoka Hall B)	Moderator	J. Nishida
Tumo	r: Complications		
3-Po-539	Outcome of pedicle flap for reconstruction after malignant chest wall around	l tumor resec	tion
	Dept. of Multimodality Therapy for Cancer, Mie Univ. Graduate		

3-Po-540	Investigation of the pulmonary pneumothorax incidence in this hospital in the use of pazopanib for a cancer and the sarcoma
3-Po-541	
3-Po-542	Risk factors associated with postoperative infection of wide resection for malignant soft tissue tumors occurring around hips
3-Po-543	
3-Po-544	Risk factors for each wound complication in surgery of soft tissue sarcoma in adductor compartment ····································
3-Po-545	A new skin incision for pelvic musculoskeletal tumor surgery
16:55 ~ Sports	17:30 Poster (Booth No.2, Marine Messe Fukuoka Hall B) Moderator N. Ochiai : Elbow
3-Po-546	Does pitch count affect elbow joint torque and finger pinch force in baseball pitchers?
3-Po-547	Prevalence of osteochondritis dissecans of growing tennis players: An elbow ultrasonography study ····································
3-Po-548	Change over time in school-age baseball elbow examinations received by high school baseball players "from 2018, 2020, and 2022 questionnaires"
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S1113
3-Po-549	Baseball elbow screening in Hokkaido: Comparison before and after COVID-19 pandemic
3-Po-550	Relationship between the carrying angle, medial instability of the elbow, and general joint laxity in high school baseball pitchers Koichiro Yanai, et al., Dept. of Orthop. Surg., Gunma Univ. Graduate School of Medicine S1114
3-Po-551	Significance of ring-down artifact of humeroulnar joint evaluated by ultrasound sonography in examination for high school and junior baseball player
16:55~	17:30 Poster (Booth No.3, Marine Messe Fukuoka Hall B) Moderator A. Kimura
	o: Training
3-Po-552	Whether poor cervical alignment affects center of gravity sway in middle-aged and older volunteers
	···· Naoki Segi, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,
3-Po-553	Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S1115 Exercise habits reduce falling in elderly volunteers
0 10 000	
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.···S1115

3-Po-554	Associations between physical function falls, and fear of falling among older adults participating
	in a community-based physical exercise program
3-Po-555	Relationship between low back pain and paravertebral muscle elasticity in elderly residents
0 10 000	
3-Po-556	The influence of mild hyperbaric oxygen environment on exercise tolerance: New exercise
	environment for elderly ······ Kazufumi Hisamoto, et al., Dept. of Orthop.,
	Graduate School of Medical Science, Kyoto Prefectural Univ. of MedicineS1117
3-Po-557	Pre- and post-operative gait measurement of orthopaedic surgery patients using gait
	analysis sensors ············· <i>Hideyuki Aoki, et al.</i> , Dept. of Orthop. Surg., Toho Univ. (Omori) ··· S1117
3-Po-558	Effects of locomotion training-based outpatient rehabilitation on the sagittal spinopelvic
	alignment in locomotive syndrome: A 2-year prospective cohort study Takashi Yurube, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of MedicineS1118
16:55~	
Infecti	on 2
3-Po-559	Factors associated with intervertebral bridging ossifications following posterior fixation for
	spondylodiscitis ····· <i>Toshiaki Maruyama, et al.</i> , Dept. of Orthop. Surg., Hiroshima Univ. Hosp.···S1119
3-Po-560	Effect of preventing deep surgical site infections for total joint arthroplasty using
	antibiotic-loaded bone cement: Systematic review and meta-analysis
3-Po-561	
3 10 301	
3-Po-562	Causes of death in patients with necrotizing fasciitis
3-Po-563	Outcome of implant retention for periprosthetic knee joint infection
	······ Tadashi Kikuchi, et al., Dept. of Orthop. Surg., Bange Kosei General Hosp. ··· S1121
3-Po-564	Effectiveness of Ilizarov external fixator to avoid amputation
0 D FCF	
3-Po-565	Finger-preserving treatment strategies for severe hand osteomyelitis: Antibiotic-containing
	cement placement and tissue reconstruction, two innovations
16:55 ~	` ' '
Periop	erative complications: Miscellaneous 1
3-Po-566	Surgical Apgar score and controlling nutritional status score can be predictors of major
	postoperative complications after spine surgery
9 D- FC7	
3-Po-567	The impact of severity of preoperative malnutrition on postoperative complications of spinal fusion in the elderly
	Yukihito Ode, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,
	Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.··S1123
3-Po-568	Comparison of nutrition status, anemia, and postoperative complications in older women who
	have total hip arthroplasty
3-Po-569	Relationship between preoperative nutritional status, postoperative Alb levels, and
	postoperative dietary intake and length of hospital stay in THA patients

3-Po-570	Comparison between two types, classified by the locations, about acromial fractures following reverse shoulder arthroplasty ····································
3-Po-571	Investigation of 16 patellar fractures after 2878 primary total knee arthroplasty
3-Po-572	Characteristics and surgical results of open ankle fractures
16:55~	17:30 Poster (English) (Booth No.6, Marine Messe Fukuoka Hall B) Moderator S. Fujibayashi
Lumb	ar spine 1
3-Po-573	Pain evaluation a week after sacroiliac joint block is useful for diagnosis of sacroiliac joint dysfunction
3-Po-574	Prevalence of vertebral fracture among post-menopausal patients coming with backache and role of teriparatide in management in developing country
3-Po-575	Enhanced recovery after surgery for spine surgery: Early experience of an Asian hospital
3-Po-576	The importance among the level of restoring lumbar lordosis, reciprocal change of the pelvic tilt, and the proximal junctional kyphosis Ho-Joong Kim, et al., Dept. of Orthop. Surg., SNU Bundang Hosp., SNUCM, Seoul, Korea S1128
3-Po-577	Improved clinical outcomes and radiological parameters at 1-year following minimally invasive transforaminal lumbar interbody fusion with biplanar expandable cages
3-Po-578	Canceled
3-Po-579	Full-endoscopic midline foraminoplasty: An alternative method for treating lumbar foraminal stenosis
	·······Saran Pairuchvej, et al., Queen Savang Vadhana Memorial Hosp., Chonburi, Thailand···S1130
17:40 ~ Adoles	P 18: 15 Poster (Booth No.7, Marine Messe Fukuoka Hall A) scent idiopathic scoliosis: AIS 4 Moderator K. Fukuda
3-Po-580	CT-based evaluation of vertebral rotation by coplanar procedure for Lenke type 1 adolescent idiopathic scoliosis ··············· Tatsuhiko Fujiwara, et al., Dept. of Musculoskeletal Surg., Dept. of Multimodality Therapy for Cancer, Mie Univ. Graduate School of Medicine···S1131
3-Po-581	T1 tilt is risk factor for postoperative poor clinical outcome in patients with AIS type 1
3-Po-582	Can preoperative stress radiographs predict spontaneous correction of the PT curve and shoulder balance after PSF for AIS Lenke type1?
3-Po-583	Which factor has a strong impact on L4 tilt in patients with Lenke type 5 curve treated by anterior surgery? · · · · · · · Satoshi Inami, et al., Dept. of Orthop. Surg., Dokkyo Medical Univ. · · S1132
3-Po-584	Which alignment factors influence postoperative outcomes in Lenke type 5 anterior fixation?
3-Po-585	Association of low back pain with surgical outcome of posterior spinal fusion for scoliosis in adolescent idiopathic scoliosis remnants
	Duwnke Marogoom, et al., Dept. of Of thop. Surg., Shinishi Ulliv. "31133

3-Po-586 Disc degeneration in long-term postoperative patients with adolescent idiopathic scoliosis:

MRI evaluation 40 years after surgery

..... Tsutomu Akazawa, et al., Dept. of Orthop. Surg., St. Marianna Univ. School of Medicine...S1134

17:40 ~ 18:15	Poster (Booth No.8, Marine Messe Fukuoka Hall A)	Moderator	Y. Yukawa
Spinal trauma 2			

3-Po-587	Is intraoperative blood loss volume in elderly cervical spine injury surgery greater in patients
	with ankylosis?: A Japanese multicenter survey
3-Po-588	Atlantoaxial joint injury associated with axis fracture
	Yuya Kajiki, et al., Dept. of Orthop. Surg., Japanese Red Cross Kobe HospS1135
3-Po-589	Effect of ultra-early surgery in patients over age 70 years with cervical spinal cord injury:
	A propensity-score matched analysis
3-Po-590	Influence of anticoagulants on cervical spine injury
	Tomoyuki Takigawa, et al., Dept. of Orthop. Surg., Japanese Red Cross Kobe HospS1136
3-Po-591	Association between JOACMEQ and anxiety and depression in chronic cervical spinal cord
	injury patients
	Isamu Sasaki, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine S1137
3-Po-592	Ossification of the anterior longitudinal ligament affects the severity of neurological deficits
	following spinal cord injury without radiological abnormality
3-Po-593	Recovery process of muscle strength and ADL of cervical spinal cord injury individuals based
	on modified Frankel classification at discharge

$17:40\sim18:15$ Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator Y. Aoki Spinal complication

3-Po-594	Timing of surgery in spinal cord disease with urinary retention
3-Po-595	Study of perioperative complications of less invasive spine surgery for patients aged 85 years
	or older ······ Atsushi Yoshioka, et al., Hachiya Orthop. Hosp.···S1139
3-Po-596	Consideration of spinal surgery for obese patients at our hospital: New measures to safely
	perform surgery on obese patients
	···· Shuichi Uchiyamada, et al., Dept. of Orthop. Surg., Nagoya City Univ. West Medical Center···S1140
3-Po-597	Risk factors for falls in patients with cervical myelopathy
	··· Sadayuki Ito, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,
	Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S1140
3-Po-598	Application of continuous local antibiotic perfusion for patients with surgical site infection after
	instrumented spinal surgery: A retrospective multicenter study
3-Po-599	SSI incidence and changes over time in adult spinal deformity surgery
	Tomohiro Yamada, et al., Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine S1141
3-Po-600	Characteristics of screw perforation and screw loosening in atlantoaxial transarticular fixation
	using a preoperative CT-based navigation system

17:40 ~ Knee:	- 18:15 Poster (Booth No.10, Marine Messe Fukuoka Hall A) CPAK classificataion	Moderator	T. Yasuda
3-Po-601	The distribution of coronal plane alignment of the knee classification dose the knee osteoarthritis progression · · · · · · · Kazuki Nomoto, et al., Ha		
3-Po-602	Evaluation of the distribution of coronal plane alignment of the knee classi arthritic and healthy knees	fication in Japar Iusculoskeletal	with Surg.,
3-Po-603	Relationship between coronal plane alignment of the knee classification an patients with knee osteoarthritis		
3-Po-604	Effect of limb alignment by CPAK classification to soft tissue balance and of postoperative clinical outcomes in kinematically aligned TKA	one-year	
3-Po-605	Does patient specific phenotype based on coronal plane alignment of the k affect patient-reported outcomes? ····································	ept. of Orthop.	Surg.,
3-Po-606	CPAK classification of robotic-arm assisted total knee arthroplasty with realignment method compared with mechanical alignment method		
3-Po-607	Pre- and post-operative differences in CPAK classification with robotic-assi arthroplasty do not affect post-operative gait ability	nomiya Onsen l	
17:40 ~ Hip: I	2 18:15 Poster (Booth No.11, Marine Messe Fukuoka Hall A) Pain & miscellaneous	Moderat	or A. Oya
3-Po-608	Pathology and treatment of patients with undiagnosed hip pain referred by		HospS1147
3-Po-609	The relationship between pain and MRI findings in hip osteoarthritis due t dysplasia of the hip		
3-Po-610	Significance of ultrasound-guided injections for undiagnosed hip pain		
3-Po-611	The severity of dysplasia and osteoarthritis in DDH with pain related to the the labrum ··· Naohito Rikuno, et al., Dept. of Orthop. Surg., Kindai Univ		dicine…S1148
3-Po-612	Relationship between urinary incontinence symptoms and the properties of internus muscle in patients with osteoarthritis of the hipSayaka Fukutani, et al., Rehabilitation Center,		Hosp.···S1149
3-Po-613	Driving simulation for right total hip arthroplasty	Rehabilitation (Center…S1149
3-Po-614	Comparison of bikini line incision and longitudinal incision in anterolateral approach THA·······················Tomohiko Shimizu, Dept. of Orthop. So		Hosp.···S1150
17:40 ~ Misce	18:15 Poster (Booth No.12, Marine Messe Fukuoka Hall A)	Moderator	Y. Kaneko
		1. 1 .	
3-Po-615	Usefulness of X-ray examinations for orthopaedic diseases at house call me		Clinic…S1151

3-Po-616	Integrated er changes the way orthopaedic surgeons work			
3-Po-617	Characteristics of fractures injured by falling from stepladder			
3-Po-618	The treatment of the early operation for the purpose of pain control for the chest independent ribs fracture ········Masanori Kawamoto, Dept. of Orthop. Surg., Sakai City Medical Center···S1152			
3-Po-619	Patient awareness survey using a questionnaire during hardware removal			
3-Po-620	Impact of the COVID-19 epidemic on trauma treatment in Japan			
3-Po-621	New coronavirus disease pandemic affected walking ability in patients with femoral trochanteric fractures ··· Koh Tanifuji, et al., Dept. of Orthop. Surg., Morioka Red Cross Hosp.···S1154			
17:40 ~	18: 15 Poster (Booth No.1, Marine Messe Fukuoka Hall B) Moderator K. Hayashi :: Miscellaneous			
3-Po-622	Clinical and imaging features, post-biopsy courses of bone lesions of Langerhans cell histiocytosis · · · · · · · · Tomohisa Sakai, et al., Rare Cancer Center, Nagoya Univ. Hosp. · · S1155			
3-Po-623	Relationship between identification of spinal lesions and myeloma diagnostic events in multiple myeloma using whole spine MRI			
3-Po-624				
3-Po-625				
3-Po-626				
3-Po-627	Hiromichi Oshiro, et al., Orthop. Surg., Graduate School of Medicine, Univ. of the Ryukyus S1157 Clinical outcome of malignant bone and soft tissue tumor around the shoulder girdle			
3-Po-628	Examination of clinical application of benign bone tumor resection using finite element method			
17:40 ~ Sports	18:15 Poster (Booth No.2, Marine Messe Fukuoka Hall B) Moderator K. Watanabe			
3-Po-629	The effect of focused shock wave therapy for Jones fractures			
3-Po-630	Ultrasound-based screening for asymptomatic incomplete fifth metatarsal stress fractures (Jones fractures) with a focus on prevention in high school footballers			
3-Po-631	Relationship between screw length, insertion position and clinical outcome in intramedullary fixation of Jones fractures ······· Jun Takeda, et al., Dept. of Orthop., Juntendo Univ.··S1160			
3-Po-632	Is it acceptable to have a plantar gap after intramedullary screw fixation for Jones fractures?			
3-Po-633	Does foot function affect pitching performance?			
3-Po-634	Relationship between rearfoot aliment and dynamic postural stability after jump landing in male adolescent athletes ···································			

17: 40 ~ 18: 15 Poster (Booth No.3, Marine Messe Fukuoka Hall B) Moderator O. Obayashi Musculoskeletal rehabilitation

3-Po-636	Dynamic evaluation of first carpometacarpal joint during index finger abduction exercise in osteoarthritic patients using ultrasonography and real-time MRI
	······Dai Ohishi, et al., Rehabilitation Center, Kochi Medical School Hosp.···S1163
3-Po-637	Effectiveness of wrist block for early active motion: Comparison throughout postoperative
	course of patients with pyogenic flexor tenosynovitis
	······ Takahiro Sato, et al., Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine···S1163
3-Po-638	Effect of outpatient rehabilitation after manipulation under anesthesia for frozen shoulder
3-Po-639	Analysis of coordinated joint movement of upper limb in daily activities using postural
	synergy analysis
	······· Hiroshi Kurumadani, et al., Dept. of Analysis and Control of Upper Extremity Function,
	Graduate School of Biomedical and Health Science, Hiroshima Univ.···S1164
3-Po-640	Usefulness of exercise facilitation method using cognitive behavioral therapy tools for chronic
	low back pain resistant to conservative treatment
	······ Motohiro Kawasaki, et al., Pain Manag. Ctr.,
	NHO Shikoku Medical Center for Children and Adults…S1165
3-Po-641	Effectivity of the TUG test and accelerometer data in the diagnosis of early hip osteoarthritis
3-Po-642	Asymmetry in lower limb kinematics and kinetics during walking in cases of bilateral
	developmental dysplasia of the hip · · · · · · Masanosuke Mizutani, et al., Dept. of Biomechanics,
	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S1166

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3-Po-643	Auxiliary diagnostic tool for spinal infections: Features and considerations of alpha-defensin lateral flow test
	Atsuhiro Yoshida, et al., Dept. of Orthop. Surg., St. Marianna Univ. School of MedicineS1167
3-Po-644	Evaluation of myeloperoxidase point-of-care test in rapid diagnosis of periprosthetic
	joint infection ······ Shinsuke Ikeda, et al., Dept. of Orthop. Surg., Kitasato Univ. ··· S1167
3-Po-645	Investigation of risk factors in pyogenic spondylitis in which the causative organism cannot
	be identified ······ Yushi Sakamoto, et al., Dept. of Orthop. Surg.,
	Hyogo Prefectural Amagasaki General Medical Center···S1168
3-Po-646	Inflammatory markers using white complete blood count predict bacterium detection in
	shoulder arthroscopic surgery ····································
	Yamaguchi Univ. Graduate School of Medicine…S1168
3-Po-647	Evaluation of serum albumin and globulin in combination with C-reactive protein improves
	serum diagnostic accuracy for native vertebral osteomyelitis
3-Po-648	The risk factors of surgical site infections after hemiarthroplasty for displaced femoral neck
	fracture in elderly multicenter (TRON) retrospective study
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,

Graduate School of Medicine, Nagoya Univ.···S1169

hemorrhagic blisters $17:40 \sim 18:15$ Poster (Booth No.5, Marine Messe Fukuoka Hall B) Moderator S. Mori Perioperative complications: Miscellaneous 2 3-Po-650 Factors associated with pneumonia after orthopaedic surgery 3-Po-651 Relationships between swallowing function and aspiration pneumonia of hip fracture patients Ikko Ohno, et al., Dept. of Rehabilitaion Medicine, Sakai City Medical Center... S1171 3-Po-652 Effects of concomitant use of NSAIDs and PPIs on renal function after arthroplasty Takafumi Ohshima, et al., Dept. of Orthop. Surg., Hakodate Goryoukaku Hosp.... S1172 3-Po-653 To what extent do nonsteroidal anti-inflammatory drugs adversely affect renal function?: A study of patients after total knee arthroplasty ······ Tadashi Kikuchi, et al., Dept. of Orthop. Surg., Bange Kosei General Hosp. ··· S1172 Impact of the hospitalist system on inpatient mortality in orthopaedic wards of acute hospitals 3-Po-654 Comparison of postoperative outcomes among patients treated by male versus female 3-Po-655 surgeons: A systematic review and meta-analysis 3-Po-656 Examination of postoperative delirium after total knee arthroplasty ······ Takenori Tomite, et al., Dept. of Orthop. Surg., Akita Red Cross Hosp. ··· S1174 $17:40 \sim 18:15$ Poster (English) (Booth No.6, Marine Messe Fukuoka Hall B) Moderator Y. Murata Lumbar spine 2 3-Po-657 Designing deep learning and machine learning models for enhanced transforaminal lumbar interbody fusion surgical planning College of Medicine, Taipei Medical Univ., Taipei, Taiwan...S1175 3-Po-658 Full-endoscopic retroperitoneal approach for the devastating spondylodiscitis with psoas abscess ······ Siravich Suvithayasiri, et al., Dept. of Orthop., Chulabhorn Hosp., Chulabhorn Royal Acad., Bangkok, Thailand...S1175 3-Po-659 Canceled 3-Po-660 Quantification of the safe zone of the first to third sacral segments for transiliac-transsacral screw fixation in sacra ······ Po-Hsiang Chen, et al., Dept. of Orthop. Surg., Kaohsiung Veterans General Hosp., Kaohsiung, Taiwan···S1176 3-Po-661 Indications for and outcomes of three unilateral biportal endoscopic approaches for decompression of degenerative lumbar spinal stenosis: A systematic review Taipei Medical Univ., Taipei, Taiwan···S1177 3-Po-662 Role of laproscopic decompression in spinal tuberculosis abcess ······ Sanjay Chaube, et al., Dept. of MIS, St. Jude's Hosp., Uttar Pradesh, India···S1177 3-Po-663 Functional outcome & analysis of factors affecting health-related quality of life in pelvic ring fractures: A cross-sectional studySandeep K. Yadav, et al., Dept. of Orthop. AIIMS Jodhpur, India...S1178

Lower extremity fractures treatment of circular external fixator in elderly patients with

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4th Day May 26 Room 1

8:00 ~ 9 Joint-p	9:20 Symposium 57 preserving treatment for idiopathic osteonecrosis	Moderators N. Takahira, T. Jinno of the femoral head			
4-1-S57-1	Joint preserving regenerative therapy using rhFGF avascular osteonecrosis				
4-1-S57-2	 Yutaka Kuroda, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto UnivS1179 Autologous concentrated bone marrow injection for idiopathic osteonecrosis of the femoral head				
4-1-S57-3	Long-term clinical results and improvements of cur osteonecrosis of the femoral head	rved intertrochanteric varus osteotomy for t. of Orthop. Surg., Kojinkai Memorial HospS1180			
4-1-S57-4 4-1-S57-5	Long term results of transtrochanteric rotational os Takuaki Yaman				
9:35~	10:35 Special lecture 4	Moderator M. Nakamura			
4-1-EL4	Linking orthopaedics and the SDGsNorichika Kanie, Graduate S	School of Media and Governance, Keio UnivS1182			
11:50~	13:00 Luncheon seminar 36	Moderator M. Takaso			
4-1-LS36	Concept of the latest drug treatment for osteoporosi	is ····· Satoshi Soen, Soen Orthop.···S1182			
13:20~	14:20 Instructional lecture 54	Moderator M. Kajitani			
4-1-EL54	Ethically appropriate decision-making process in the	inooka, Japan Association for Clinical Ethics···S1183			
$8:00\sim9:20$ JOA Directors' Proposed Symposium 4 Moderators R. Kuroda, M. Sato Progress in musculoskeletal regenerative medicine through AMED projects: Clinical research and physician-led clinical trials Sponsored by Japan Agency for Medical Research and Development					
4-2-JS4-1	The role of AMED in the practical application of reg	generative medicine ····································			
4-2-JS4-2	Regenerative medicine for spinal cord injury using Masaya Nakamu	iPS cells ura, et al., Dept. of Orthop. Surg., Keio Univ.···S1184			
4-2-JS4-3	Trial for practical application of regenerative medic cell sheets · · · · · · · · Masato Sato, et al., Dept. of 0	cine for osteoarthritis of the knee using Orthop. Surg., Surgical Science, Tokai UnivS118			
4-2-JS4-4	Meniscus regeneration with synovial mesenchymalIchiro Sekiya, et al., Cente				
4-2-JS4-5	Multi-center clinical trial: Transplantation of autolog non-union fracture Ryosuke Kuroda, et al., Dept. of Orthop. Sur	gous CD34-positive cells for rg., Kobe Univ. Graduate School of Medicine…S1186			

4-2-JS5-2 Women phy	· -	Moderators N. Oizumi, K. Yamauchi		
4-2-JS5-2 Women phy 4-2-JS5-3 Developme 4-2-JS5-4 Current sta male supe 4-2-JS5-5 Leadership 4-2-JS5-6 Current sta 11:50 ~ 13:00 La 4-2-LS37 Improve the 13:15 ~ 14:15 Ir 4-2-EL55 Patellar disl 8:00 ~ 9:20 JOA Mastering the treat 4-3-JS6-1 Bone metas 4-3-JS6-2 Active surg our hospi 4-3-JS6-3 What interv 4-3-JS6-4 Prevention	· -			
4-2-JS5-3 Developmed and a super star star star super star star super star star super star star star super star star super star star super star star star super star star super star star star super star star star super star star star star star star star sta		Orthop. Surg., Kansai Medical Univ. HospS1187		
4-2-JS5-3 Developme	5-2 Women physicians' leadership education in Japan: What can we do now?			
4-2-JS5-4 Current starmale super 4-2-JS5-5 Leadership		Care Medicine, Osaka City General Hosp.···S1187		
4-2-JS5-4 Current starmale super description of the super description o	nt of female orthopaedic surgeons to beco			
### male super ### 4-2-JS5-5	······································			
### male super ### 4-2-JS5-5		and Reconstruction, Faculty of Medicine,		
### male super ### 4-2-JS5-5	tus and challenges in the teaching of fema	Pharmaceutical Sciences, Okayama Univ.···S1188		
4-2-JS5-5 Leadership	ervisors······ <i>Yoshiaki W</i>			
4-2-JS5-6 Current sta	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Yokohama City Minato Red Cross HospS1188		
4-2-JS5-6 Current sta	education for orthopaedic surgeons in the			
4-2-JS5-6 Current sta		e, et al., Dept. of Orthop. Surg., Saga Univ.···S1189		
11:50 ~ 13:00 La 4-2-LS37 Improve the	tus of women's leadership development in	specialty societies		
4-2-LS37 Improve the		·····Ryoko Uesato, Dept. of Orthop. Surg.,		
4-2-LS37 Improve the	Nanbu Medi	cal Center and Children's Medical Center…S1189		
13:15 ~ 14:15 Ir 4-2-EL55 Patellar disl 8:00 ~ 9:20 JOA Mastering the treat 4-3-JS6-1 Bone metas 0ur hospi 4-3-JS6-3 What inter 4-3-JS6-4 Prevention	uncheon seminar 37	Moderator M. Ishikawa		
13:15 ~ 14:15 Ir 4-2-EL55 Patellar disl 8:00 ~ 9:20 JOA Mastering the treat 4-3-JS6-1 Bone metas 0ur hospi 4-3-JS6-3 What inter 4-3-JS6-4 Prevention	knee pain!!: Treatment strategies for knee	e osteoarthritis in Reiwa era		
4-2-EL55 Patellar disl 8:00 ~ 9:20 JOA Mastering the treat 4-3-JS6-1 Bone metas 		o, et al., Dept. of Orthop. Surg., Keio Univ.···S1190		
8:00 ~ 9:20 JOA Mastering the treat 4-3-JS6-1 Bone metas	structional lecture 55	Moderator T. Matsushita		
Mastering the treat 4-3-JS6-1 Bone metas	ocation: Diagnosis and its treatments	Hiroshima City Hiroshima Citizens Hosp.···S1190		
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4-3-JS6-2 Active surg our hospi 4-3-JS6-3 What interv 4-3-JS6-4 Prevention	ment of bone metastasis			
4-3-JS6-2 Active surg our hospi 4-3-JS6-3 What inter- 	stasis imaging: Current status and challeng			
our hospi 4-3-JS6-3 What inter- 		nabu Arai, Dept. of Radiology, Keio UnivS1191		
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4-3-JS6-4 Prevention	ical intervention for spinal metastases: Its			
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•	tal ············ Shunsuke Hamada, et al., Deventional radiology can do for bone metast ············ Yasunori Arai, Dept. of Diag. For locomotive syndrome in cancer patients ··········· Yusuke Shinoda, Dept. of Rehabilit	clinics for nationts with hone metastages		
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in the loc	tal ···········Shunsuke Hamada, et al., Deventional radiology can do for bone metast ···································	Prevention of locomotive syndrome in cancer patients with bone metastasis		

	10:55 JOA Directors' Proposed Symposium 7 Moder ole of the orthopaedic surgeon in the treatment of natoid arthritis: Past, present, and future	rators S. Tanaka, Y. Nakashima			
4-3-JS7-1	Contribution of orthopaedicians in the basic research on the inflar rheumatoid arthritis ···································				
4-3-JS7-2					
4-3-JS7-3					
4-3-JS7-4	The role of orthopaedic surgery in the treatment of rheumatoid a				
4-3-JS7-5	Role in care and rehabilitation				
4-3-JS7-6	Treatment of rheumatoid arthritis with long-term prognosis: The orthopaedic practitioner for early diagnosis and early treatment	important mission of the			
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11:50~	· 13:00 Luncheon seminar 38	Moderator S. Tanaka			
4–3–LS38 Current trends in rheumatoid arthritis treatment that general orthopaedic surgeons should be aware of ··· Kousuke Ebina, Dept. of Orthop. Surg., Graduate School of Medicine, Osaka Univ.··S1197					
	aware or "Nousuke Loina, Dept. of Orthop. Surg., Graduate Sc	hool of Medicine, Osaka UnivS1197			
13:15~		Moderator M. Neo			
13:15 ~ 4-3-EL56		Moderator M. Neo formities in Japan			
4-3-EL56 8:00~9	Current status and problems in the treatment of cervical spine de	Moderator M. Neo formities in Japan Shimizu, Gunma Spine CenterS1197 erators H. Tsumura, S. Tanaka			
4-3-EL56 8:00 ~ €	Current status and problems in the treatment of cervical spine de	Moderator M. Neo formities in Japan Shimizu, Gunma Spine CenterS1197 erators H. Tsumura, S. Tanaka ines 2023			
4-3-EL56 8:00 ~ 9 Diagno	Current status and problems in the treatment of cervical spine de Takachika S 4th Day May 26 Room 4 9:20 Symposium 58 Mod osis and treatment of knee osteoarthritis based on the guideli	Moderator M. Neo formities in Japan Shimizu, Gunma Spine CenterS1197 erators H. Tsumura, S. Tanaka ines 2023 hi Medical School, Kochi UnivS1198 hritis Locomotive Organ Disorders,			
4-3-EL56 8:00 ~ 9 Diagno 4-4-S58-1	Current status and problems in the treatment of cervical spine de	Moderator M. Neo formities in Japan Shimizu, Gunma Spine Center···S1197 erators H. Tsumura, S. Tanaka nes 2023 ni Medical School, Kochi Univ···S1198 hritis Locomotive Organ Disorders, Graduate School of Medicine, The Univ. of Tokyo···S1198 uture assignment			
4-3-EL56 8:00 ~ 9 Diagno 4-4-S58-1 4-4-S58-2	Current status and problems in the treatment of cervical spine de	Moderator M. Neo formities in Japan Shimizu, Gunma Spine Center···S1197 erators H. Tsumura, S. Tanaka ines 2023 ni Medical School, Kochi Univ.···S1198 hritis Locomotive Organ Disorders, Graduate School of Medicine, The Univ. of Tokyo···S1198 uture assignment gata Univ., Health and Welfare···S1199 tice guidelines			

9:35 ~ Variou	• •	Moderators K. Fujikawa, H. Yamashita avolvement of lawyers and other players			
4-4-S59-1		ring patient lawyers in traffic accident treatment			
4-4-S59-2	1-4-S59-2 Issues surrounding road traffic accidents -Involvement of lawyers and others-: Cases involving lawyers on the side of non-life insurance companies				
4-4-S59-3 4-4-S59-4	Medical inquiry documents from lawye Traffic accident associated issues and r	Chinichi Mihira, Dept. of Orthop. Surg., Mihira R Clinic…S1201 ers, courts…Shinichi Wada, Wada Orthop. Surg. ClinS1202 ecommendations for dealing with them from			
4-4-S59-5	Problems surrounding traffic accidents	ompany e, Dept. of Orthop. Surg., Juntendo Univ. Nerima HospS1202 correspondence with lawyers: From the standpoint of			
11:50~	- 13:00 Luncheon seminar 39	Moderator Y. Niki			
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13:15~	- 14:15 Instructional lecture 57	Moderator N. Iwakura			
4-4-EL57 Ultrasonography in hand surgery: Tips and pitfalls to avoid missing lesions					
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8:00~		May 26 Room 5 Moderator K. Shimada			
8:00~4-5-EL58	9:00 Instructional lecture 58 Elbow arthroscopy techniques and pitfaMichiro Yamamoto, et al., Dep	Moderator K. Shimada			
	9:00 Instructional lecture 58 Elbow arthroscopy techniques and pitfaMichiro Yamamoto, et al., Dep Program in Integrated	Moderator K. Shimada lls t. of Hand Surg., Musculoskeletal and Cutaneous Surg., l Medicine, Graduate School of Medicine, Nagoya Univ.···S1205			
4-5-EL58 9:15 ~ 4-5-1 N	9:00 Instructional lecture 58 Elbow arthroscopy techniques and pitfaMichiro Yamamoto, et al., Dep Program in Integrated 10:15 Free papers Osteoporosis: Veoadjuvant teriparatide therapy targeting to antiresorptive treatment from the perspect	Moderator K. Shimada Ils t. of Hand Surg., Musculoskeletal and Cutaneous Surg., Il Medicine, Graduate School of Medicine, Nagoya Univ.···S1205 Spine Moderators H. Ataka, M. Hongo the osteoporotic spine: Influence of previous tive of bone histomorphometry			
4-5-EL58 9:15 ~ 4-5-1 N 4-5-2 U	9:00 Instructional lecture 58 Elbow arthroscopy techniques and pitfa	Moderator K. Shimada lls t. of Hand Surg., Musculoskeletal and Cutaneous Surg., d Medicine, Graduate School of Medicine, Nagoya Univ.···S1205 Spine Moderators H. Ataka, M. Hongo the osteoporotic spine: Influence of previous			
4-5-EL58 9:15 ~ 4-5-1 N 4-5-2 U 4-5-3 E	9:00 Instructional lecture 58 Elbow arthroscopy techniques and pitfa	Moderator K. Shimada lls t. of Hand Surg., Musculoskeletal and Cutaneous Surg., l Medicine, Graduate School of Medicine, Nagoya Univ.···S1205 Spine Moderators H. Ataka, M. Hongo the osteoporotic spine: Influence of previous tive of bone histomorphometry tive of bone histomorphometry tet al., Dept. of Orthop. Surg., Tominaga-Kusano Hosp.···S1206 tes amidst rising surgical interventions for osteoporotic thiro Masuda, et al., Dept. of Orthop. Surg., Kyoto Univ.···S1206 nt of osteoporotic vertebral fractures: Propensity score thotics groups			
4-5-EL58 9:15 ~ 4-5-1 N 4-5-2 U 4-5-3 E	9:00 Instructional lecture 58 Elbow arthroscopy techniques and pitfa	Moderator K. Shimada lls t. of Hand Surg., Musculoskeletal and Cutaneous Surg., l Medicine, Graduate School of Medicine, Nagoya Univ.···S1205 Spine Moderators H. Ataka, M. Hongo the osteoporotic spine: Influence of previous tive of bone histomorphometry , et al., Dept. of Orthop. Surg., Tominaga-Kusano Hosp.···S1206 tes amidst rising surgical interventions for osteoporotic chiro Masuda, et al., Dept. of Orthop. Surg., Kyoto Univ.··S1206 Int of osteoporotic vertebral fractures: Propensity score thotics groups Masayoshi Iwamae, et al., Dept. of Orthop. Surg., Osaka Metropolitan Univ. Graduate School of Medicine···S1207			
4-5-EL58 9:15 ~ 4-5-1 N 4-5-2 U 4-5-3 E 4-5-4 E	9:00 Instructional lecture 58 Elbow arthroscopy techniques and pitfa	Moderator K. Shimada lls t. of Hand Surg., Musculoskeletal and Cutaneous Surg., d Medicine, Graduate School of Medicine, Nagoya Univ.···S1205 Spine Moderators H. Ataka, M. Hongo the osteoporotic spine: Influence of previous tive of bone histomorphometry detail., Dept. of Orthop. Surg., Tominaga-Kusano Hosp.···S1206 desa amidst rising surgical interventions for osteoporotic description Masuda, et al., Dept. of Orthop. Surg., Kyoto Univ.···S1206 ant of osteoporotic vertebral fractures: Propensity score thotics groups description of Orthop. Surg., Osaka Metropolitan Univ. Graduate School of Medicine···S1207 fracture, bone union, and vertebral collapse in patients			

4 - 5 - 6Epidemiological features of neurological deficit due to osteoporotic vertebral fractures: A prospective multicenter study $10:30 \sim 11:30$ Instructional lecture 59 Moderator K. Ikari Genome analysis of orthopaedic diseases ·······Shiro Ikegawa, RIKEN···S1209 4-5-EL59 $11:50 \sim 13:00$ Luncheon seminar 40 Moderators T. Sawaguchi, N. Endo When should bone attack prevention be begun?: Perspective from epidemiological data 4-5-LS40-1 4-5-LS40-2 Regional medical cooperation through Fracture Liaison Service starting with hip fracturesFumio Fukuda, Dept. of Orthop. Surg., Kitakyushu General Hosp....S1210 $13:15 \sim 14:15$ Instructional lecture 60 Moderator S. Horibe 4-5-EL60 Treatment of meniscus injuries to restore its functions Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ. ... S1211 4th Day May 26 Room 6 $8:00 \sim 9:00$ **Instructional lecture 61** Moderator N. Miyakoshi 4-6-EL61 Involvement of CKD-MBD in the development of osteoporosis in elderly patients $9:15 \sim 10:15$ **Instructional lecture 62** Moderator T. Aizawa Complete review of cervical spondylotic myelopathy ················Atsushi Seichi, Mitsui Hosp.···S1212 4-6-EL62 $10:30 \sim 11:30$ Free papers Moderators R. Takemasa, S. Fujibayashi Thoracic & lumbar spine 1 4-6-1 Prevalence of lumbar spondylolisthesis and its association with LBP, physical performance in the general population: The 2nd ROAD study ······Satoshi Arita, et al., Dept. of Orthop. Surg., Wakayama Medical Univ···S1213 4-6-2Research on the risk of progression of spinal epidural lipomatosis: Longitudinal study using health examination data Nozomu Ohtomo, et al., Dept. of Orthop. Surg., The Univ. of Tokyo Hosp., The Univ. of Tokyo... \$1213 4-6-3 Radiographic and non-radiographic factors associated with the severity of adult spinal deformity: A cross-sectional and longitudinal cohort studyJunichi Tsumura, et al., Dept. of Orthop. Surg., Asahikawa Medical Univ...S1214 Clinical outcomes and risk factors associated with spinal kyphotic deformity following osteoporotic 4-6-44 - 6 - 5Clinical significance and influence of intravertebral cleft on clinical outcomes in patients with pseudarthrosis of osteoporotic vertebral fractures 4-6-6 Clinical comparison of unilateral biportal endoscopic laminotomy (UBEL) vs. full endoscopic laminotomy (FEL) ······Zenya Ito, Dept. of Orthop. Surg., Aichi Spine Hosp.···S1215

11:50 ~ 13:00 Luncheon seminar 41 Moderator T. Miyamoto

4-6-LS41 Rheumatoid arthritis treatment with a view to maximizing patient satisfaction: Expected role of a JAK inhibitor baricitinib ··· Nobunori Takahashi, Dept. of Orthop. Surg., Aichi Medical Univ.···S1216

13:15 ~ 14:15 Instructional lecture 63 Moderator K. Ikari

4-6-EL63 Directions for multidisciplinary treatment of rheumatoid arthritis in the era of molecular targeted therapies ·········· Shigeki Momohara, Endowed Course for Advanced Therapy for Musculoskeletal Disorders, Keio Univ. School of Medicine / Hakkeikai Incorporated Medical Institution ··· S1216

4th Day May 26 Room 7

8:00	$0 \sim 9:00$ Free papers	s Thoracic & lumbar spine 2	Moderators	H. Kanno, K. Maruo
4-7-1	Examining the correlati	on between lower extremity motor fo	nction and gait fund	ction through
	utilizing the foot tappir	g test for thoracic myelopathy		
	••••••	Mayuko Kuwata, et al., Dept. of Reh	abilitation Medicine	, Chiba Univ. Hosp.···S1217
4-7-2	The impact of diabetes r	nellitus on patient-reported outcome	s of posterior decon	npression surgery
	for lumbar spinal canal	stenosis		
		Tatsuya Yamamoto, et al., Spine Cent		
4-7-3	Factors influencing patie	ent satisfaction after decompression	surgery for lumbar	spinal stenosis
	•••••	Junichi Yamada, et al., Dept. of Ortl	nop. Surg., Matsusal	ka Municipal Hosp.···S1218
4-7-4		sive spinal sagittal imbalance after lu		
	•••••	·····Satoshi l	Vagatani, et al., Dep	ot. of Orthop. Surg.,
		Graduate Scho	ol of Medical Science	es, Kanazawa UnivS1218
4-7-5		ndoliase treatment versus micro end	-	_
	•••••	····· Takuya Takahashi, e	t al., Dept. of Ortho	p. and Spinal Surg.,
	Graduat	e School of Medical and Dental Scie	nces, Tokyo Medica	l and Dental Univ./
		Dept. of Orthop. Sur	g., Saiseikai Kawag	uchi General Hosp.···S1219
4-7-6		liase for lumbar disc herniation		
	• • • • • • • • • • • • • • • • • • • •		oto Kobori, et al., Ko	bori Orthop. Clinic···S1219
9:15	$5 \sim 10:15$ Instruction	nal lecture 64		Moderator T. Saito
4-7-EL6	64 Exercise therapy for	spinal disorders in athletes		
1 , 22			School of Sport Scie	nces, Waseda Univ.···S1220
10:3	30 ~ 11 ∶ 30 Free pape	ers Hip: Alignment	Moderators	N. Hirasawa, Y. Maeda
4-7-7	Comparison of pelvic me	ovement during supine THA between	n anterolateral appro	each and direct
	anterior approach usin		11	
		······ Masahiro Hasegawa	, et al., Dept. of Mu	sculoskeletal Surg.,
		Multimodality Therapy for Cancer, I		
4-7-8	Three-dimensional kine	matic analysis during swinging motion	on of racket sports a	fter total
		······Yu		
		Clinical Medicine, Graduate Scl	nool of Medical Scie	nces, Kyushu Univ.···S1221
4-7-9	Evaluation of bony featu	res associating with hip instability		
	•••••	····· Takeshi Shoji, et al., De	pt. of Artificial Joint	s and Biomaterials,
		Graduate School of Biomedica	l and Health Science	es, Hiroshima Univ.···S1222

4 - 7 - 10Characteristics of spinal alignment in patients with hip osteoarthritis with developmental dysplasia of the hip ····· Hiroyuki Yamagata, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ. ··· S1222 4 - 7 - 11Compensatory sagittal pelvic motion during gait in hip with acetabular dysplasia using three-dimensional motion analysis ················Shinichi Ueki, et al., Dept. of Orthop. Surg., Graduate School of Biomedical and Health Sciences, Hiroshima Univ. ... S1223 4-7-12 Development and analysis of a developmental dysplasia of the hip model considering the mechanical properties of the capsular ligament $11:50 \sim 13:00$ Luncheon seminar 42 Moderator Y. Kawaguchi 4-7-LS42 Current topic of diagnosis and treatment for low back pain Seiji Ohtori, Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ. S1224 13:15~14:15 Instructional lecture 65 Moderator H. Taneichi 4-7-EL65 Ethical considerations and future perspectives in the implementation of CST ······ Toshiaki Shichinohe, Hokkaido Univ. Hosp., Gastroenterological Surg. II/CERIA-MT···S1224 May 26 4th Day Room 8 $8:00 \sim 9:00$ **Instructional lecture 66** Moderator T. Nakamura 4-8-EL66-1 Basic principles of CLAP: How to use 5D in various bone and joint infections Chiba Emergency and Psychiatric Medical Center···S1225 4-8-EL66-2 Efficacy and safety in continuous local antibiotics perfusion (CLAP) for fracture-related infections ·················· Shunsuke Takahara, et al., Dept. of Orthop. Surg., Hyogo Pref. Kakogawa Medical Center...S1225 $9:15 \sim 10:15$ Free papers Sports Moderator T. Hashimoto, D. Araki 4-8-1 Comparison of visibility in needle arthroscopy according to surgical experience ·····Jumpei Inoue, et al., Dept. of Orthop. Surg., Nagoya City Univ., Graduate School of Medical Sciences...S1226 4-8-2Analyses of cervical disc degeneration, alignment and range of motion in American football players Morito Takano, et al., Dept. of Orthop. Surg., Kitasato Univ. Kitasato Institute Hosp.... S1226 4-8-3 Suture bridge technique with Mason-Allen is superior to conventional suture bridge technique in arthroscopic rotator cuff repair Yoshiaki Itoigawa, et al., Dept. of Orthop. Surg., Juntendo Univ. Urayasu Hosp.... S1227 4 - 8 - 4Evaluation of pitching elbow stress-related factors using wearable sensor in elementary school pitchers ······ Tomoya Yoshikawa, et al., Dept. of Orthop. Surg., Meiwa Hosp. ··· S1227 4 - 8 - 5Gender differences in the relationship between intrinsic foot muscles and toe grip strength and jump landing ability in adolescent athletes ···· Satoshi Arima, et al., Dept. of Sports Rehabilitation, Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S1228 4-8-6 Development of a new exercise load index using sweat lactate sensor $10:30 \sim 11:30$ Moderators T. Matsubara, H. Miyahara Free papers RA 2

AORA registry ······ Rena Wakabayashi, et al., Dept. of Orthop. Surg., Koto Kosei Hosp. ··· S1229

Examination of preventing HBV reactivation in RA patients by orthopaedic surgeons in

4-8-7

4-8-8	Actual star DPC dat	tus of pneumocystis pneumonia in rheumatoid arthritis patients using Aichi Pref	ectu	ıre
		\cdot Ryo Sato, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneou	as S	urg.,
		Program in Integrated Medicine, Graduate School of Medicine, Nago		
4-8-9		medication on spike protein antibody titer after coronavirus vaccination for patier		
4-8-10		toid arthritis Shunya Tamura, et al., Dept. of Orthop. Surg., Shirahama Hamay	/u H	ospS1230
4-8-10		low nutritional status increase the surgical site infection in RA patients? • Kentaro Kuwabata, et al., Dept. of Orthop. Surg., Japanese Red Cross Kagoshin	na H	losn ···S1230
4-8-11		ent of diagnostic performance of SAPHO syndrome using diagnostic imaging dat		
		ale language model	·	
		······ Yu Mori, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of M		
4-8-12		iagnostic delay in ankylosing spondylitis shortened in recent years?: A comparis		
	before a	and after 2010 ····· Takahiro Inoue, et al., Dept. of Orthop. Surg., Kyushu Un	IV. H	.ospS1231
11:50	~ 13:00	Luncheon seminar 43 Moderat	or	N. Fujita
4-8-LS43		nent strategy of osteoporosis based on basic research, and the role of bone		
		olic agents	. II	
	•••••	····· Naohisa Miyakoshi, Dept. of Orthop. Surg., Akita Univ. Graduate School of M	/ledi	.cineS1232
13:15	~ 14:15	Instructional lecture 67 Modera	tor	K. Goto
4-8-EL67		spherical periacetabular osteotomy): From conception to realization	ка Н	lospS1232
		4th Day May 26 Room 9		
8:00	~ 9:00	Free papers Around knee osteotomy Moderators E. Kondo,	Κ.	Kumagai
4-9-1		n of the clinical outcome between HTO with medial meniscus centralization and the propensity score matching method	sole	ely
	•••••		cal (Jniv.···S1233
4-9-2		O useful surgical procedure for patellofemoral arthritis?: Examination of change	s in	
		sition and patellofemoral joint	col I	Iniv \$1999
4-9-3		igation of usefulness additional screw like Sujikai for open-wedge distal tuberosit		
		y bone union ···· Naoshi Ikegawa, et al., Dept. of Orthop. Surg., Kashiwa Municip		
4-9-4		autologous chondrocyte implantation in cartilage defects of the knee e with high		
	osteotom	y in patients with varus deformity ·······Kazuhiko Saeki, et al., Fukuoka Sanno		
4.0.5	D.C	Fukuoka International Univ. of Health and		
4-9-5		inge fractures for bone union and clinical outcomes following opening-wedge dis	tal ti	bial
		osteotomy: A propensity score-matched study ····Shuhei Otsuki, et al., Dept. of Orthop. Surg., Osaka Medical and Pharmaceuti	cal I	Iniv \$1235
4-9-6		on of complications and mid-term clinical outcomes in 200 knees of iVHTO and	car	JIIIV. 31230
		O performed according to the guidelines		
	•••••		ор Н	ospS1235
9:15	~ 10:15	Instructional lecture 68 Moderator	r T	. Murase
4-9-EL68	3 Wrist a	arthroscopy: From basic to advanced techniques		
			nato!	logy,
	Inter	rnational Univ. of Health and Welfare Clinical Research Center for Medicine Sant	10 Н	ospS1236

10:30~1	11:30 Instructional lec	ture 69		Moderator	I. Sekiya
4-9-EL69	•••••	is using adipose-derived stem c ·· Taku Saito, Orthop. Surg., So Surgical Sciences, Graduate Sch	ensory and Motor		
11:50~1	13:00 Luncheon semin	ar 44	Mod	derator S. M	omohara
4-9-LS44	Methotrexate in rheumatoid	arthritis ······ Yuko Kanek	o, Dept. of Intern	nal Med. Keio U	JnivS1237
	4	th Day May 26 Room	10		
8:00 ~ 9 Lower li	: 00 Free papers imb fracture & infection		Moderators T.	Teramoto, H	. Ikezawa
4-10-2 C		ntiglide plate fixation for Webe et al., Dept. of Orthop. Surg., 7 ately weight-bearing and ADL in	`okyo Women's M	Medical Univ. H	ospS1238
4-10-3 TI		res in elderly patients el., Dept. of Orthop. Surg., Akitalical expenses by devising the particular of			cine…S1238
4-10-4 O	utcome of ligament reconstru of the foot arch: Comparing a		on fractures from	n the perspectiv	<i>r</i> e
4-10-5 Pa 4-10-6 Ex	athophysiological study of lon ······ <i>Kazuki Kisamo</i> xternal validation of clinical p	<i>t al.</i> , Dept. of Orthop. Surg., St gitudinal type Lisfranc joint injuri, et al., Dept. of Orthop. Surg rediction model for deep infection.	ry using CT , The Jikei Univ. S	School of Medi	cine…S1240
	Multi-center prospective coho	·············· Takahiro Inui, et al.,	Dept. of Orthop.	Surg., Teikyo U	Jniv.···S1240
9:15~10): 15 Instructional lect	are 70	N	Moderator M	I. Kubota
4-10-EL70	Tracing the evolution of rhHisateru N	eumatoid foot surgery Viki, Dept. of Orthop. Surg., St	Marianna Univ. S	School of Medi	cine…S1241
10:30~1	11:30 Free papers TK	A	Moderators	H. Horiuchi	, R. Gejo
4-10-7	varus knees and the valgus l	nes in kinematically aligned tota knees ogo Nabeki, et al., Dept. of Orth			
	Effect of tightness of soft tissu- 	te balance on patient satisfactio chi, et al., Dept. of Orthop. Sur	n after total knee g., Saiseikai Fuku	arthroplasty 10ka General H	
4-10-9 I	alignment TKA	ee between postoperative aHKA Dept. of Orthop. Surg., Tohoki			cine…S1243
4-10-10 I	mapping and postoperative s	between PCL qualitative evalua ag view········Akinori Nek aduate School of Biomedical an	omoto, et al., Dep	ot. of Orthop. So	

4-10-11 A randomized, prospective, comparative study of cemented and cementless total knee arthroplasty using the persona trabecular metal tibial component 4-10-12 The influence of the patellofemoral pressure on the post-operative functional outcomes in the total knee arthroplasty Sanshiro Yasuma, et al., Dept. of Orthop. Surg., Nagoya City Univ. East Medical Center. S1244 4th Day May 26 Room 11 $8:00 \sim 9:00$ Free papers Tumor: Basic research Moderators T. Morii, M. Emori 4-11-1 Clinical significance of CT Hounsfield unit values in patients with metastatic spinal tumors from lung cancer ·········· Hiroshi Taniwaki, et al., Dept. of Orthop. Surg., Yodogawa Christian Hosp. ··· S1245 4-11-2 Development of a novel therapeutic predictive score on immune checkpoint inhibitors for non-small cell lung cancer with bone metastases Yohei Asano, et al., Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kanazawa Univ.···S1245 4-11-3 Primary spinal cord gliomas: Pathologic features associated with prognosis Yuki Tanaka, et al., Div. of Orthop. Surg., Dept. of Regenerative and Transplant Medicine, Niigata Univ. Graduate School of Medical and Dental Sciences...S1246 4-11-4 The significance of identification of fusion gene by cancer gene panel in sarcoma ... Eiji Nakata, et al., Dept. of Orthop. Surg., Science of Functional Recovery and Reconstruction, Faculty of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama Univ. · · S1246 4-11-5 A novel treatment strategy targeting both sarcoma cells and tumor microenvironment in soft-tissue sarcoma ············Ayana Kondo, et al., Dept. of Orthop. Surg., Science of Functional Recovery and Reconstruction, Faculty of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S1247 4-11-6Are MDM2-amplified soft tissue sarcoma without well-differentiated component and dedifferentiated liposarcoma the same disease entity? ······ Tetsuya Sekita, et al., Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1247 $10:30 \sim 11:30$ Seminar for the physician teaching and managing the pediatric musculoskeletal disease Moderator M. Osaki Diagnosis and treatment for pediatric musculoskeletal disorders 4th Day May 26 Room 12 $8:00 \sim 9:00$ **Instructional lecture 71** Moderator K. Takahashi 4-12-EL71 An encouragement to write English papers Keisuke Horiuchi, Dept. of Orthop. Surg., National Defense Medical College... \$1248 $9:15\sim10:15$ Instructional lecture 72 Moderator T. Kojima 4-12-EL72 Recent concept of patient safety: Safety-II and Safety-I ····· Motonobu Hasegawa, Dept. of Pediatr., Keio Univ. ·· S1249 $10:30 \sim 11:30$ Instructional lecture 73

Moderator N. Terada

4-12-EL73 Infectious diseases and infection control: From the perspective of infectious disease doctors *Masayoshi Shinjoh*, Dept. of Pediatr., and Infect. Dis. and Infect. Control, Keio Univ. Hosp....S1249

4th Day May 26 Poster

9:15 ~ Spina	9:50 Poster (Booth No.1, Marine Messe Fukuoka Hall B) Moderator K. Suzuki al metastasis
4-Po-1	Association between intratumoral flow void and intraoperative blood loss in palliative surgery for metastatic spinal tumors ····································
4-Po-2	Comparison of surgical outcomes in metastatic spine tumors according to the grade of the primary site
4-Po-3	Early mortality factors within 3 months after spine surgery for malignant spinal cord compression syndrome due to spinal metastasis
4-Po-4	Relationships between surgical outcomes and frailty of metastatic spine tumors
4-Po-5	Validation of decompression surgery alone for symptomatic metastatic spine tumors under 9 of spinal instability neoplastic score
4-Po-6	The effect of bone metastasis support on ambulatory function before and after the metastatic spine surgery
4-Po-7	Apparent and true decline in performance status in patients with spinal metastatic tumors with skeletal related events
9:15 ~ Meni	9:50 Poster (Booth No.2, Marine Messe Fukuoka Hall B) Moderator Y. Takazawa scus 1
4-Po-8	Screening test for medial meniscus posterior root tear: Assessing maximal thickness of medial and lateral menisci ···············Makoto Suruga, et al., Dept. of Orthop. Surg., Nihon Univ. Hosp.···S1254
4-Po-9	Can the femoral neck angle be a risk factor for MMPRT Daiichirou Yokomizo, et al., Dept. of Orthop. Surg., Okayama Rosai HospS1254
4-Po-10	Evaluation of medial meniscus extrusion of pullout repair combined with circumferential fiver augmentation for medial meniscus posterior root tear
4-Po-11	Yuya Kodama, et al., Dept. of Orthop. Surg., Okayama Rosai HospS1255 Evaluation of factors affecting healing after medial meniscus root repair for medial meniscus root tear using second-look arthroscopy
4-Po-12	
	Science of Functional Recovery and Reconstruction, Faculty of Medicine,

Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S1256

4-Po-13	Clinical outcomes 4 years after medial meniscus posterior root repairs: A comparison between neutral and mild varus knee alignment	
	Yusuke Kamatsuki, et al., Dept. of Orthop. Surg., Okayama Saiseikai General HospS1256	
4-Po-14	Relationship between lower extremity alignment and treatment outcomes of pullout repair and conservative treatment for medial meniscus root tear	
9:15~	9:50 Poster (Booth No.3, Marine Messe Fukuoka Hall B) Moderator S. Nagao	
Thun	ab CMC joint arthritis	
4-Po-15	The development of a noval targeting device for suspension plasty using the suture-button	
4-Po-16	Comparison with modified ligament reconstruction and tendon interposition and suture-button suspensionplasty for basal thumb arthritis	
	······································	
4-Po-17	Comparison of arthroplasty for basal thumb arthritis ····· Shinji Tsuchida, et al., Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine ··· S1259	
4-Po-18	Outcomes of arthrodesis and arthroplasty including arthroscopic surgery for thumb carpometacarpal joint arthritis	
4-Po-19	Long-term results following arthrodesis for primary osteoarthritis of trapeziometacarpal joint	
4-Po-20		
4 10 20	carpometacarpal osteoarthritis	
4-Po-21	Impact of metacarpal I osteotomy on mechanical stress in the thumb CM joint: A CT-based HU value analysis ············Shigeki Ishibashi, et al., Dept. of Orthop. Surg., Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S1261	
9:15~	9:50 Poster (Booth No.4, Marine Messe Fukuoka Hall B) Moderator D. Osada	
	l radius fracture	
4-Po-22	A prospective study of postoperative pain following minimally invasive surgery with a volar locking plate for distal radius fractures	
4-Po-23	Shunji Okita, et al., Dept. of Orthop. Surg., Okayama Saiseikai General HospS1262 Spring wire fixation for volar lunate facet fragment	
4-Po-24	Correction loss after stellar R plate fixation of the distal radius fracture with volar lunate facet fragment	
4 D 05	Takuma Umehara, et al., Dept. of Orthop. Surg., Japanese Red Cross Hamamatsu Hosp S1263	
4-Po-25	Factors of severity for dorsally angulated distal radius fracture	
4-Po-26	Study of factors that may affect clinical outcomes in surgical treatment of volar-displaced distal	
4 D 07	radius fractures ······ <i>Kazutoshi Kubo</i> , Dept. of Orthop. Surg., Showa Univ. Koto Toyosu Hosp. ··· S1264	
4-Po-27	Evaluation of carpal bone deviation and carpal alignment measurement with lunate in surgical treatment of distal radius fractures **Politic School of Medicine Vento Horizon School of Medicine Vento	
4-Po-28	·····Daichi Sakamoto, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ.···S1264 The necessity of bone substitutes for distal radius fractures treated with volar locking plate	
T 1 U 20	fixation: A propensity score-based analysis	
	······ Hirotaka Akezuma, et al., Dept. of Orthop. Surg., Showa Univ. Northern Yokohama Hosp.···S1265	

9:15 ~ Tumo	9:50 Poster (Booth No.5, Marine Messe Fukuoka Hall B) Moderator H. Futani or: Benign
4-Po-29	Enhancing ADL/QOL in primary musculoskeletal tumor patients: A fibrous dysplasia survey using JOA tumor registry data
4-Po-30	Clinical studies on the etiology of pes anserinus bony spurs
4-Po-31	Arthroscopic treatment for the patients with hip synovial chondromatosis
4-Po-32	MRI and pathological evaluation of schwannoma characteristics in extremity and trunk
4-Po-33	The factors about the clinical symptoms and treatment strategy of schwannoma
4-Po-34	Activities to improve ADL/QOL in patients with primary musculoskeletal tumors: Questionnaire survey of neurofibroma treatment in JOA certified facilities
9:15~ RA: M	9:50 Poster (Booth No.6, Marine Messe Fukuoka Hall B) Moderator Y. Nasu Miscellaneous 3
1-Po-35	The status of rheumatoid arthritis patients in Yamaguchi Prefecture from the onset of disease to diagnosis and treatment Keiko Kamata, et al., Dept. of Orthop. Surg., Yamaguchi Prefectural Grand Medical Center \$126
4-Po-36	Circulated cooperation of the hospital and polyclinic for treatment of rheumatoid arthritis in Yamagata area: YARANNA network
4-Po-37	Current status of hemophilic arthropathy in Ehime Prefecture
1-Po-38	Elucidation of factors associated with spinal anxylosing progression in patients with axial spondyloarthritis ······· Takuya Izumiyama, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine ··· S127
4-Po-39	Characteristics of rheumatoid arthritis patients who have onset from knee monoarthritis and risk factors of transition to polyarthritis
4-Po-40	24 patients with rheumatoid arthritis complicated by non-tuberculous mycobacterium tuberculosis ····· Hironobu Kosugiyama, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S127
1-Po-41	Differences in physical function between late-onset rheumatoid arthritis and young-onset rheumatoid arthritis
	vun Saito et al. Hent et Urthen / Rheumateleau Muscules/eletal and Cutaneous Sura

9:50 Poster (Booth No.7, Marine Messe Fukuoka Hall A) porosis: Miscellaneous	Moderator	A. Fujie
		ollege…S1273
Usefulness of bone-targeted enzyme replacement therapy in a patient with adult-onset hypophosphatasia	a Memorial	Hoen\$197 <i>1</i>
Necessity of serum vitamin D and zinc measurement in osteoporosis treatment	t	
osteoporosis treatment ········ Ken Ikuta, et al., Dept. of Orthop. Surg., Nago	ya Medical C	
knee arthroplasty · · · · · · · Mitsuhiko Kubo, et al., Dept. of Sports Med. and M	usculoskelet	
9:50 Poster (Booth No.8, Marine Messe Fukuoka Hall A) M	loderator	K. Kaneda
·		
patients with hallux rigidus and control		
		iicine…S1277
	cherative	
	Iealth and W	elfare…S1278
Treatment and short clinical results of alumina ceramic prosthesis for hallux ri	gidus	
The relationship between MTP joint instability of the lateral toes and toe senso	ry impairme . of Orthop.	nt Surg.,
A modified combined tibialis anterior and posterior tendon transfer for paralytic foot in pediatric patients	c equinovaru	ıs
decision of tendon suture tension		
	burg., Teikyo	UnivS1280
	Atypical lumbar pedicle fracture in three elderly patients on long-term bisphosy	Atypical lumbar pedicle fracture in three elderly patients on long-term bisphosphonate ther

9:15 ~ Pedia	9:50 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator R. Murakamatric orthopaedics: Miscellaneous
4-Po-56	Genetic testing for skeletal dysplasia using whole-exome sequencing
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.··S1
4-Po-57	Pathogenesis of recurrent solitary bone cyst
4-Po-58	Treatment of leg length discrepancy and lower leg deformity with multiple cartilaginous
	exostoses using eight-plate ········ Masaki Matsushita, et al., Dept. of Orthop./Rheumatology,
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.···S1
4-Po-59	3D gait analysis of children with limb length discrepancy using gait profile score and gait
	variable scores ····· Daigo Shiraishi, et al., Dept. of Orthop. Surg.,
	Hokkaido Medical Center for Child Health and Rehabilitation…S1
4-Po-60	Guided growth for pediatric bowleg ··· Reiko Murakami, Niigata Univ. Medical and Dental Hosp.···S1
4-Po-61	Birth-related fracture in newborns: Risk factor and management
	······Yuji Hatakeyama, et al., Akita Red Cross Hosp.···S1
4-Po-62	A study of steroid-induced osteonecrosis of the femoral head in children in our hospital
	······································
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4-Po-63	Molecular analysis of the effects of control measures, including decolonization and hand hygiene, on orthopaedic SSIs caused by MRSA
4-Po-64	Hideki Kawamura, et al., Dept. of Infection Control and Prevention, Kagoshima Univ. HospS1 Prevention of surgical site infection using care bundles in spinal surgery Katsuhito Kiyasu, et al., Dept. of Orthop. Surg., Kochi Medical School, Kochi UnivS1
4-Po-65	Surgical site infection care bundle in total hip/knee arthroplasty
4-Po-66	Investigation of intraoperative bacterial adhesion of femoral rasp in total hip arthroplasty
	······································
4-Po-67	Infection rate after total knee arthroplasty significantly decreases with prevention bundle
	for infection
	······································
4-Po-68	Postoperative wound management and SSI prevention methods without the use of disinfectant in upper extremity cases
4-Po-69	Relationship between neutrophil counts in intraoperative specimens and worsening infection in the treatment of fracture-related infection by the Masquelet technique
	Shuya Takanashi, et al., Dept. of Of thop. Surg., Telkyo Uliv. "St

9:15 ~ Misce	9:50 Poster (Booth No.11, Marine Messe Fukuoka Hall A) ellaneous 2	Moderator	H. Okamoto
4-Po-70	Relationship between sarcopenia and spinal sagittal alignment in comm The Yakumo study ····································	f Orthop./Rheu n in Integrated I	matology, Medicine,
4-Po-71	Relationship between sarcopenia and locomotive syndrome in rheumate Evaluation using SARC-F ····································	oid arthritis pation $l.$, Dept. of Ortho	ents: op. Surg.,
4-Po-72	The assessment of the interaction between haemophilic arthropathy an	d frailty f Orthop./Rheu n in Integrated I	matology, Medicine,
4-Po-73	Electrical stimulation therapy provides early improvement in increased after exercise ····································	f Orthop., Junte	ndo UnivS1290
4-Po-74	Three-dimensional fine structures in deep fascia revealed by combined histochemistry and low-vacuum scanning microscopy	al., Div. of Ortho	op. Surg.,
4-Po-75	Dept. of Medicine of Sensory and Motor Organs, Faculty of M. New ultrasonic muscle imaging system that can visualize a wide range of the control of the con	of quadriceps fer l., Dept. of Orth	noris op. Surg.,
4-Po-76	Preoperative evaluation using skin perfusion pressure (SPP) measurement extremity amputation	ent for lower	
10 : 00 .	Takahiro Toriyama, et al., Dept. of Orthop. Su 10 : 35 Poster (Booth No.1, Marine Messe Fukuoka Hall B)		
	~ 10:35 Poster (Booth No.1, Marine Messe Fukuoka Hall B) e & spinal cord tumor	Moderator	H. Nakajima
4-Po-77	Surgical outcome for spinal metastasis of renal cell carcinoma Yoshiki Takeoka, et al., Dept. of Orthop. Surg., Kobe Univ. Gra	duate School of	Medicine…S1293
4-Po-78	Surgical outcomes of spinal metastases in patients aged 80 years or oldestudy of 216 patients		
4-Po-79	En bloc partial vertebrectomy for non-small cell lung cancer invading th	ne spine	
4-Po-80	Analysis for differences among institution function in the surgical treats tumor using diagnosis procedure combination database	nent for metasta pp. and Trauma I	tic spinal
4-Po-81	Graduate School of Medical and Dental Sciences, Tokyo Surgical outcome of spine surgery for symptomatic spinal metastasis		
4-Do-99	Dept. of Orthop. Surg., Kobe Univ. Gra	duate School of	
4-Po-82	Is Ki-67 useful in predicting postoperative recurrence of spinal schwanr	: Musculoskelet	al Health, Medicine…S1295
4-Po-83	Resection of cervical dumbbell-shaped schwannoma using posterior un Impact on postoperative cervical function and clinical outcomes		

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4-Po-84	Prediction of bone marrow lesion using radiography
4-Po-85	Factors associated with the medial meniscus root tear in spontaneous knee osteonecrosis
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4-Po-86	The role of the medial meniscus in anterior knee stability
4-Po-87	Transtibial pullout repair for partial medial meniscus posterior root tears: Comparison with
110 01	complete tears ······· Masanori Tamura, et al., Dept. of Orthop. Surg., Okayama Univ. Hosp. ··· S1298
4-Po-88	Relationship between osteophyte formation and medial meniscal extrusion in early-stage
	osteoarthritis of the knee · · · · · · · · · · Naoki Takemoto, et al., Dept. of Orthop. Surg.,
	Graduate School of Medical Sciences, Kanazawa Univ.···S1299
4-Po-89	The relative location changes of saphenous nerve and the infrapatellar branch according to the
	knee flexion angle: A cadaveric study
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4-Po-90	Prevention of portal pain after knee arthroscopy by radial pressure wave
	~ 10:35 Poster (Booth No.3, Marine Messe Fukuoka Hall B) Moderator M. Tatebe
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4-Po-91	Placebo effects in hand osteoarthritis trials: A systematic review and meta-analysis
	Nagoya Univ. HospS1301
4-Po-92	Hormone replacement therapy improved hand pain and dysfunction due to symptomatic hand
	osteoarthritis in menopause: Retrospective case-control study
4-Po-93	Graduate School of Medical and Dental Sciences, Kagoshima Univ.···S1301 Effects of equal on hand osteoarthritis in perimenopausal women: Pilot study
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4-Po-94	Radiographic and blood sampling findings of symptomatic hand osteoarthritis
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4-Po-95	Three-dimensional analysis of thumb kinematics using 3DCT after first metacarpal osteotomy
	for thumb carpometacarpal osteoarthritis · · · · · · Teruyasu Tanaka, et al., Dept. of Orthop. Surg.,
	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S1303
4-Po-96	The relationship between pain and MRI findings in the patients with thumb carpometacarpal
	joint osteoarthritis ····· Yasuhiro Yamamoto, et al., Dept. of Orthop. Surg., Juntendo Univ. Hosp. ··· S1303
4-Po-97	Long term results and complication of FINE ELBOW total elbow arthroplasty for rheumatoid
	arthritis patients in sixteen years follow-up
	·······················Taisei Kawamoto, et al., Dept. of Orthop. Surg., Matsudo City General Hosp.···S1304
10:00	~ 10:35 Poster (Booth No.4, Marine Messe Fukuoka Hall B) Moderator N. Kodama
Wrist	fracture
4-Po-98	Median nerve dysfunction after distal radius fracture treated with volar locking plate
	Takenori Saeki, ei ai., Dept. of Halid Surg., Musculoskeletai alid Cutaneous Surg.,
4-Po-99	Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S1305 Inflammatory signs after distal radius fracture surgery are a poor outcome factor

4-Po-100	Comparison of odds of previous distal radius fracture between cases of distal radius fracture and cases of proximal femur fracture
	······································
4-Po-101	Evaluation of high-density area around growth plate in physeal fractures of distal radius and those growth arrest
4-Po-102	Tadanobu Onishi, et al., Dept. of Orthop. Surg., Higashiosaka City Medical Center S1306 The results of SNAC wrist treatment in our hospital
4-Po-103	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S1307 Operative treatment of free bone graft for nonunion of the proximal scaphoid
4 D 404	Seietsu Senma, et al., Dept. of Orthop. Surg., Nakadori General Hosp S1307
4-Po-104	Comparison of conservative and surgical treatment for metacarpal neck fractures with volar displacement ······· <i>Hikaru Saito, et al.</i> , Dept. of Orthop. Surg., Nakadori General Hosp.···S1308
10:00 ~	
	: Basic research
4-Po-105	Practice of CGP test in primary malignant bone and soft tissue tumors at a single institution
4-Po-106	Prognostic significance of immunological status in giant cell tumor of bone Naoki Oike, et al., Div. of Orthop. Surg., Dept. of Regenerative and Transplant Medicine,
4-Po-107	Niigata Univ. Graduate School of Medical and Dental Sciences···S1309 Clinicopathological assessment of PD-1/PD-L1 immune checkpoint expression via Th1 pathway
	in desmoid tumors
4-Po-108	Involvement of NY-ESO-1 and MAGE-A4 in the pathogenesis of desmoid tumors
4-Po-109	
110 100	orthotopic xenograft (PDOX) nude-mouse models
4-Po-110	
	mesenchymal markers · · · · · · · Yusuke Aoki, et al., Dept. of Orthop. Surg., Univ. of the Ryukyus · · · S1311
4-Po-111	Antitumor effect and neurotoxicity of ethanol adjuvant therapy after surgery for a soft tissue sarcoma ····································
	Osaka Metropolitan Univ. Graduate School of Medicine…S1312
10:00 ~	10:35 Poster (Booth No.6, Marine Messe Fukuoka Hall B) Moderator Y. Yasui
Sports	:: Miscellaneous 1
4-Po-112	How long will the impact of corona disaster on adolescent athletes continue?: Data from continuous surveys after corona disaster
4 Do 112	Hiroaki Kijima, et al., Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine \$1313
4-Po-113	Associations of sports participation with self-rated health and depressive symptoms among Japanese adolescents
	Satoshi Yamaguchi, et al., Graduate School of Global and Transdisciplinary Studies, Chiba UnivS1313
4-Po-114	Factors related to poor sleep in elementary, junior, and high school baseball players

4-Po-115	Analysis of the duration of withdrawal and factors affecting reinjury of thigh muscle contusion in professional soccer players ······ Takafumi Mizuno, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
4-Po-116	Graduate School of Medicine, Nagoya Univ.···S1314 Diagnostic value of ultrasound imaging for the tibial stress fractures
4-Po-117	Comparison of balance ability and foot muscle activity between life savers and healthy adults
4-Po-118	Male elite soccer players have a higher incidence of accessory ossicles in the foot and ankle
10:00 ~ Osteo	- 10:35 Poster (Booth No.7, Marine Messe Fukuoka Hall A) Moderator C. Minamitani porosis: Fracture risk
4-Po-119	Increased risks of secondary fracture and mortality in patients with very high fracture risk osteoporosis and proximal femoral fracture ·········Hotaka Ishizu, et al., Dept. of Orthop. Surg., Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S1317
4-Po-120	Examination of DEXA and fracture risk revealed by intraoral evaluation: Efforts of the secondary fracture prevention team in care hospital ······ Saori Imura, et al., Dept. of Nursing, Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp.···S1317
4-Po-121	Oral assessment in fracture liaison service
4-Po-122	Association between osteoporosis screening and oxidative stress in medical check program Taisuke Seki, et al., Dept. of Orthop. Surg., Aichi Medical Univ. Medical Center \$1318
4-Po-123	The characteristics of bone mineral density by DXA in healthy women ***Cazuteru Shiraishi, et al., Dept. of Orthop. Surg., Nagasaki Univ. Graduate School of Biomedical Sciences···S1319
4-Po-124	Characteristics of male patients with osteoporotic vertebral fractures: Background, bone density, and nutritional status
4-Po-125	Osteoporosis medications for the first time in over 90s with proximal femur fractures is not useful for secondary fracture prevention
10:00 ~ Locon	10:35 Poster (Booth No.8, Marine Messe Fukuoka Hall A) Moderator K. Sato no: Cancer & metabolic syndrome
4-Po-126	Associated factors in each of three tests to diagnose locomotive syndrome in preoperative cancer patients
4-Po-127	
4-Po-128	Worsening of locomotive syndrome after cancer surgery is associated with decreased walking speed · · · · · · · · · · · · · · · · · ·
4-Po-129	Cancer patients may contract severe locomotive syndrome without sarcopenia
4-Po-130	Relationship between obesity and locomotive syndrome in osteoporotic patients
4-Po-131	Factors associated with locomotive syndrome: An exploratory study

4-Po-132	Relationship between locomo characteristics and effect of multidisciplinary team medical intervention in obese patients with type 2 diabetes
	······ Takako Nagai, et al., Dept. of Rehabil. Med., Nihon Univ. Hosp.···S1324
10:00 ~	10:35 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator Y. Yoshii ial intelligence: Imaging
4-Po-133	AI-assisted diagnostic system for osteoporosis using the chest X-ray images
4-Po-134	Novel visualization method of fracture site in diagnostic AI for hip fracture
4-Po-135	Median nerve tracking in US images of CTS patients using object detection AIAtsuyuki Inui, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of MedicineS1326
4-Po-136	Diagnosis of carpal tunnel syndrome in ultrasonography using machine learning: A novel approach for severity assessment
4-Po-137	Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ.··S1326 Development of an artificial intelligence to predict hip osteoarthritis by using radiographs of the hip····································
4-Po-138	Automatic measurement of hallux valgus angle using the deep neural network
4-Po-139	AI-based estimation of limb muscle mass from pelvic X-ray images
10:00 ~ Pain:	10:35 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator K. Endo Central sensitization
4-Po-140	Characteristics of CSI components on central sensitization in the elderly individuals: The Yakumo study ····································
4-Po-141	Clinical evaluation related to central sensitization after surgery for distal radius fractures
4-Po-142	Prevalence and risk factors for central sensitization related to shoulder osteoarthritis and rotator cuff tears ······· <i>Taisuke Nozu, et al.</i> , Saiseikai Nakatsu Hosp.···S1330
4-Po-143	Comparison of outcome between quantitative sensory testing and central sensitization inventory in chronic pain patients
4-Po-144	Reference intervals and sources of variation of pressure pain threshold for quantitative sensory testing in a Japanese population ····································
4-Po-145	Efficacy of the PainVision apparatus for assessment of axial neck pain after cervical laminoplasty: A prospective study
4-Po-146	Takeshi Inoue, et al., Dept. of Orthop. Surg., The Jikei Univ. Katsushika Medical Center S1331 Association between health literacy and quality of life in patients with musculoskeletal chronic pain Kinshi Kato, et al., Dept. of Orthop. Surg., Fukushima Medical Univ S1332

10:00 ~ Misce	10:35 Poster (Booth No.11, Marine Messe Fukuoka Hall A) Moderator T. Aoki Ilaneous 3
4-Po-147	Characteristics and problems of orthopaedic diseases in the subacute phase in international disaster relief · · · · · · · · · · · · · · · · · · ·
4-Po-148	Hyogo Prefectural Harima-Himeji General Medical Center···S1333 Disaster medical response to the earthquake-affected district in the Republic of Turkey
4 10 140	
	Nerima Hosp., Juntendo Univ.···S1333
4-Po-149	The role of orthopaedic surgeon in Japan disaster relief medical team based on the experience
	of Turkey's earthquake 2023
4-Po-150	Association between number of orthopaedic surgeries and spread of COVID-19 in a prefecture
	····Kanichiro Wada, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine···S1334
4-Po-151	Impact of the COVID-19 pandemic on surgical volume and outcomes in spine surgery
	··· Yasushi Oshima, et al., Dept. of Orthop. Surg., The Univ. of Tokyo Hosp., The Univ. of Tokyo ··· S1335
4-Po-152	Simulation for calculation of overtime addition for emergency surgery
4-Po-153	The influence of the COVID-19 pandemic on pain and quality of life in the elderly individuals:
	The Yakumo study ·····················Ryotaro Oishi, et al., Dept. of Orthop./Rheumatology,
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.···S1336
10:45 ~ Spinal	- 11 : 20 Poster (Booth No.1, Marine Messe Fukuoka Hall B) Moderator T. Kobayashi cord disease
4-Po-154	Fibrin-glue coated collagen matrix is useful in preventing spinal fluid leakage after durotomy
	······································
	Graduate School of Medical and Dental Sciences, Kagoshima Univ.···S1337
4-Po-155	Diagnostic identification of intradural extramedullary spinal tumor on quantitative MRI
	······ Toshio Nakamae, et al., Dept. of Orthop. Surg.,
	Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S1337
4-Po-156	Clinical results of malignant intramedullary tumors
4 D 455	Hamamatsu Univ. School of MedicineS1338
4-Po-157	Cerebrospinal fluid leakage with total circumferential spinal fluid retention and its pathogenetic
	relationship to superficial siderosis
4 D 150	
4-Po-158	Pathology of arachnoid web: A new classification according to the MRI findings
	Tususini Tususini Tususini, Dept. of of thop. ourg.,
4-Po-159	Hiroshima City North Medical Center Asa Citizens Hosp.···S1339
4-ru-159	Imaging characteristics of syringomyelia associated with spinal cord hemangioblastoma: Relationship with surgical outcome ····· Osahiko Tsuji, et al., Dept. of Orthop. Surg., Keio Univ.···S1339
4-Po-160	Clinical outcomes of recapping T-saw laminoplasty for thoracic spinal cord tumors
4 10-100	
	Graduate School of Medical Sciences, Kanazawa UnivS1340
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10:45 ~	~ 11 : 20 Poster (Booth No.2, Marine Messe Fukuoka Hall B) : Gait analysis	Moderator	T. Nagura
Mice.	Oak analysis		
4-Po-161	The influence of surgical techniques of high tibial osteotomy on kinematics closed wedge ······ Koji Iwasaki, et al., Dept. of Functional Reconstruction Faculty of Medicine and Graduate School of Medicine	on for the Knee	Joint,
4-Po-162	Three-dimensional dynamic bone alignment analysis during gait in healthy athlete women ·····················Keisuke Maeda, et al., Dept. of Orthop. Surg.	women and	
4-Po-163	Possibility of knee adduction moment estimation during walking by six analon video images · · · · · · · · · Kengo Ukishiro, et al., Dept. of Rehab., Hak	tomical landma	arks
4-Po-164	Kinematic characteristics of early knee OA by gait analysis using inertial se		Center…S1342
4-Po-165	Whole-body positron emission tomography of skeletal muscle metabolism of symptomatic and asymptomatic patients with knee osteoarthritis	ept. of Orthop.	
4-Po-166	Comparison of gait analysis before and after unilateral TKA surgery for kne Jun Fukui, et al., Dept. of Orthop./Rheumatology, Musculoskeletal a Program in Integrated Medicine, Graduate School of Medicine, Comparison of Medicine, Graduate School of Medicine, Graduate Sch	ee osteoarthriti and Cutaneous	s Surg.,
4-Po-167	Dynamic evaluation of distal tibial osteotomy using hemicallotasis for media the knee using three-dimensional gait analysis Eiichi Nakamura, et al., Dept. of Orthop. Surg., Kuman	al osteoarthriti	s of
10:45 ~ Hip: C		Moderato	or A. Sato
4-Po-168	Accuracy of a commercially available augmented reality-based portable nav placement in the lateral decubitus position: Randomized, controlled study		Univ\$1245
4-Po-169	Total hip arthroplasty with robot-assisted direct superial approach is accura acetabular component positioning: A matched-pair analysis	ate and precise	in
4-Po-170	The accuracy of acetabular cup between fluoroscopy guidance and combine navigation system during ALS THA	ed AR-based	
4-Po-171	Comparison of cup alignment between portable navigation and alignment g hip arthroplasty	ruide in total	_
4-Po-172	Faculty of Medicine, Dentistry, and Pharmaceutical Scient Accuracy of cup positioning of THA in supine position with rosa hip system imageless navigation system.	and portable	
4-Po-173			
4-Po-174	Accuracy of cup placement using AR CT-based navigation (HoloNavi One) a navigation (AR hip) ····································	and AR smartp usculoskeletal	hone Surg.,

10:45 ~ Finger	11:20 Poster (Booth No.4, Marine Messe Fukuoka Hall B) tip injury & flap	Moderator	Y. Niizeki
4-Po-175	Treatment outcomes and trend of proximal interphalangeal joint fractures Manami Nakanishi, et al., Dept. of Orthop. Surg., Akita Univ. Gradua		
4-Po-176	Fixation angle of distal interphalangeal joint in steel wire fixation with ext (Ishiguro Method) for bony mallet		
4-Po-177	Usefulness and pitfalls of micro screw fixation for Mallet finger fractures		
4-Po-178	Clinical comparison of the distal phalanx fracture of hand: Open reduction vs. conservative treatment ······ Hiroki Yokoyama, et al., Dept. of Orthop	n and internal fix	ation
4-Po-179	Cosmetic evaluation of postoperative patient with flap surgery for fingerti	Reconstructive	
4-Po-180	Overcoming difficult venous anastomoses in free flaps using the microsco end-to-side technique ··· Makoto Motomiya, et al., Dept. of Orthop. Surg		Hosp.···S1351
4-Po-181	The experience of the pedicled perforator flap and adiposal flap in upper of Analysis of case series for ten years		Hoen \$1359
10 . 45			
10:45 ~ Revers	11:20 Poster (Booth No.5, Marine Messe Fukuoka Hall B) se shoulder arthroplasty	Moderator	1. Manaka
4-Po-182	Results of reverse shoulder arthroplasty to obtain external rotation functi Kohei Uekama, et al., I Graduate School of Medical and Dental Science	Dept. of Orthop.	
4-Po-183	Clinical outcomes and disease characteristics focused on baseplate inclina shoulder arthroplasty Eiko Hashimoto, et al., Dept. of Orthop. Surg., Graduate School of	ation after revers	se
4-Po-184	Accuracy of intraoperative navigation in total shoulder arthroplasty		
4-Po-185	Investigating the efficacy of PSI and navigation system use for baseplate p	placement in RSA Dept. of Orthop.	A Surg.,
4-Po-186	Changes in teres minor muscle volume after reverse total shoulder arthroon clinical outcomes ····································	oplasty and its in Dept. of Orthop.	npact Surg.,
4-Po-187	Inlay vs. onlay in reverse shoulder arthroplasty	o Univ. Urayasu	HospS1355
4-Po-188	5-year mid-term evaluation of clinical results and scapular notching after a shoulder arthroplasty ··· Eriki Yanagi, et al., Dept. of Orthop. Surg., Kas		Hosp.···S1356
10:45 ~ Sports	11:20 Poster (Booth No.6, Marine Messe Fukuoka Hall B) : Miscellaneous 2	Moderator	A. Suzuki
4-Po-189	Examination of recurrent risk factors of elbow and shoulder injuries in th T-view X-ray ······················Yusuke Sugimura, et al., Dept. of Orthop. Su		
4-Po-190	Reliability of the measurement of Hill-Sachs interval Jun Kawakami, et al., Dept. of Orthop. Surg., Tohoku Univ. Gradua		

4-Po-191	Evaluation of elbow valgus stability in professional player: Examination of usefulness of ultrasonography compared with computed tomography
4-Po-192	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S135. Outcomes of treatment for osteochondritis dissecans of the capitellum of the elbow in Tsugaru district, Aomori, Japan ················· Takahiro Tsushima, et al., Dept. of Orthop. Surg.,
4-Po-193	Hirosaki Univ. Graduate School of MedicineS135. Bone morphological investigation for hook of hamate fractures in baseball players
4-Po-194	Muscle elasticity and viscosity assessment using shear wave imaging: Effects of static stretching and relationship to joint mobility
4-Po-195	Return to play of internal oblique muscle strain in professional baseball players
10:45 ~	· · · · · · · · · · · · · · · · · · ·
Osteon	porosis: OLS
4-Po-196	Association between low bone mineral density and sarcopenia in women over 60 years old
4-Po-197	Fall risk increases with fall anxiety due to decreased grip strength and shorter open-eyed, one-legged standing time
4-Po-198	Characteristics of patients with osteoporosis Hanako Nishimoto, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine \$136.
4-Po-199	Changes in testing and treatment methods in orthopaedic surgeons' osteoporosis practice
4-Po-200	True osteoporosis treatment continuation rates and the potential for improving continuation rates in fracture liaison service for hip fracture
4-Po-201	Second fracture prevention for osteoporotic vertebral fracture through regional cooperation Atsushi Yoshioka, et al., Hachiya Orthop. Hosp.··S136.
4-Po-202	Report on the current status of calculation of secondary fracture prevention continuation management fee at our department
	······································
10:45 ~ Locom	11:20 Poster (Booth No.8, Marine Messe Fukuoka Hall A) Moderator N. Wakao no: Miscellaneous
4-Po-203	Comparative study of locomo degree test using AI image analysis method and conventional method
4-Po-204	
	Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ.··S136.
4-Po-205	Prescription drug survey of elderly patients with extremity fractures Takumi Taniguchi, et al., Dept. of Orthop. Surg., Fujita Health UnivS136
4-Po-206	Consistency of gardners and doctors responses to the musculoskeletal examinations in children and adolescents
	····· Manato Horii, et al., Center for Advanced Joint Function and Reconstructive Spine Surg., Graduate School of Medicine, Chiba Univ.···S136

4-Po-207	The efficacy of stand-up test for assessment of locomotive syndrome in children
4-Po-208	Yusuke Kido, et al., Dept. of Orthop. Surg., Wakayama Medical UnivS136' Evaluating the utility of locomotive syndrome assessment in children
110 200	
4-Po-209	A case of a multiple amputee who summited Mt. Fuji using a femoral prosthesis with an
	electronically controlled knee joint
10:45 ~	- 11:20 Poster (Booth No.9, Marine Messe Fukuoka Hall A) Moderator K. Fujita
Artific	cial intelligence: Miscellaneous
4-Po-210	Initiatives toward telemedicine for osteoporosis treatment using automatic diagnosis of thoracolumbar vertebral fractures using AI
4-Po-211	
4-Po-212	Development of screening method for carpal tunnel syndrome using video analysis
	Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ.···S137
4-Po-213	Proximal femur bone mineral density estimated from chest X-ray using artificial intelligence
	related to short-term outcomes of unicompartmental knee arthroplasty
	The Univ. of Tokyo Hosp., The Univ. of TokyoS1370
4-Po-214	Prediction of the fitting and size of stem using the models of algorithm and machine learning
	······ Takehiro Kaneoka, et al., Dept. of Orthop. Surg.,
	Yamaguchi Univ. Graduate School of Medicine…S137
4-Po-215	New challenges in the diagnosis and treatment of bone and soft tissue tumors using AI and digital transformation
	Joe Hasei, et al., Dept. of Medical Information and Assistive Technology Development,
4-Po-216	Faculty of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S137. Orthopaedic specialized knowledge obtained from language-generated AI (ChatGPT, Bard)
110 210	is Inaccurate ····································
	Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,
	Graduate School of Medicine, Nagoya Univ.···S137
4-Po-217	AI posture analysis: Detecting osteoporosis from smartphone images
	····· Takahisa Ogawa, et al., Dept. of Orthop. Surg., Saku General Hosp. Saku Medical Center···S137
10:45 ~ Chron	- 11:20 Poster (Booth No.10, Marine Messe Fukuoka Hall A) Moderator K. Hashiguchi ic pain: Joint
4-Po-218	Examination of postoperative pain in cementless total hip arthroplasty
4-Po-219	Difference of pre- and postoperative pain intensity between patients undergoing TKA and THA:
	A comparison using quantitative sensory testing
4 D 000	
4-Po-220	Comparison of predisposing factors affecting anterior knee pain on walking and at rest in patients with knee osteoarthritis
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4-Po-221	Involvement of neuropathic pain and nociplastic pain in pain mechanism of knee osteoarthritis
	Shiga Univ. of Medical Science···S137-

4-Po-222	Influence of pain catastrophizing in clinical results of open wedge distal tuberosity osteotomy
4-Po-223	Brain function of excitation-inhibition balance in patients with complex regional pain syndrome
4-Po-224	Gene expression profile in the dorsal horn in spinal cord injury after intravenous infusion of mesenchymal stem cells
10:45~	, , , , , , , , , , , , , , , , , , , ,
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4-Po-225	Anatomical analysis of the S1 neural foramen using three-dimensional computed tomography imaging: Insights for effective S1 nerve root block
4-Po-226	Investigation of neurologic deficits after surgery for schwannoma around the brachial plexus: Reviewing the past 21 years
	·······················Sota Saeki, et al., Dept. of Hand Surg., Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S1377
4-Po-227	Neurolysis using 3D digital microscope in patients with peripheral nerve disorders
4-Po-228	Clinical experience of ESWT(RPW) treatment in orthopaedic clinic
4-Po-229	Local mechanical properties of hamstring muscles: Using a Thiel soft-embalmed cadaver <i>Gakuto Nakao, et al.</i> , Graduate School of Health Sciences, Sapporo Medical Univ.···S1379
4-Po-230	Allogeneic tissues shipped from the Kitasato University Hospital bone bank used for upper extremity surgery ······· <i>Takuya Tada, et al.,</i> Dept. of Orthop. Surg., Kitasato Univ.···S1379

4th Day May 26 Room 1

 $14:20 \sim 14:40$ Closing ceremony