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

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

8:00~	9:00	Instructional lecture 1	Moderator	T. Miyamoto
1-1-EL1	_	al distinction between clinical practice and research practice and insurances	ctice from the aspects of n	nedical
	• • • • • • • • • • • • • • • • • • • •	Shoji Sanada, Clinical and Translation	nal Research Center, Kobe	Univ. Hosp.···S1
9:15~	10:15	Create the future lecture 1	Moderator	N. Iwasaki
1-1-CFL1	cove	ncement in robotic gastrointestinal surgery: The road to erage and expectations for telesurgical network  Koichi Suda, et al., Div. of GI & H	•	
10:30	~ 11:30	Special lecture 1	Moderator	K. Marumo
1-1-SL1	musc	ture orthopaedics in Japan that is developing from new tuloskeletal disorders in super-aged society?	o o	
13 . 20	13 . 30	Opening ceremony		
13:50 -	~ 14:30	Congress president lecture	Moderator	N. Iwasaki
1-1-CL		n of future orthopaedics: In the era of 100 years of life	oto, Dept. of Orthop. Surg	, Keio Univ.···S2
14:40	~ 15:40	Special lecture 2	Moderator	S. Matsuda
1-1-SL2	_	ing and re-emerging infectious diseases and infection co	•	Osaka UnivS3
15:55	~ 17:15	Symposium 1	Moderators S. Arai, Y	. Nakashima
Disas	ster aid a	activities undertaken by orthopaedists during disa	sters: Current status an	d issues
1-1-S1-1	Curre	nt disaster medical activities and disaster support in the	e field of orthopaedics	
1 1 01 0		1 1 Day		
1-1-S1-2		dual preparedness for disasters: Reflections on JMAT's ciation's response		
1-1-S1-3	Establ	lishment and current status of the disaster response cor	mmittee in the Japan ortho	paedic
		ciation ····· Taketo Kurozum		
1-1-S1-4		ions and challenges of disaster support activities of disa titioners: Including collaboration with other organizatio		opaedic
	_	······································		thop. Clinic…S5
			· ·	

1–1–S1–5 Disaster rehabilitation support activity of Shizuoka JRAT in Atami

#### $17:30 \sim 18:30$ Round-table discussion Creating the future: Learning from a top athlete

Naomi Masuko, Former Japan representative volleyball player…S7 Masahiko Watanabe, Dept. of Orthop. Surg., Surgical Science, Tokai Univ. Kazuki Sato, Sports Medicine Research Center, Keio Univ.

8:00~	9:00 Instructional lecture 2	Moderator Y. Matsumoto
1-2-EL2	The significance of research for orthopa	edic surgeons
	······Seiji Okada, Dept.	of Orthop. Surg., Graduate School of Medicine, Osaka Univ.···S7
9:15~	10:15 Instructional lecture 3	Moderator H. Yamada
1-2-EL3		ent of lumbar disc herniation based on the clinical practice
10:30 ~	- 11:30 Instructional lecture 4	Moderator N. Kawahara
1-2-EL4	Congenital scoliosis ···········Noriaki	Kawakami, Dept. of Orthop. Surg., Ichinomiya Nishi Hosp.···S8
12:00 ~	- 13:10 Luncheon seminar 1	Moderator S. Matsuda
1-2-LS1-1 1-2-LS1-2		Essential updates for today's orthopaedic surgeon awatari, Dept. of Orthop. Surg., KKR Hamanomachi HospS9 sion reduction sutures to Z-plasty and local flaps Reconstructive and Aesthetic Surg., Nippon Medical SchoolS9
14:40 ~	- 15:40 Instructional lecture 5	Moderator Y. Kudo
14:40 ~ 1-2-EL5	Looking back on 10 years of adult spinal	Moderator Y. Kudo  deformity surgical treatment: The evolution and future pt. of Orthop. Surg., Hamamatsu Univ. School of Medicine…S10
1-2-EL5	Looking back on 10 years of adult spinal Yukihiro Matsuyama, De	deformity surgical treatment: The evolution and future pt. of Orthop. Surg., Hamamatsu Univ. School of Medicine…S10  Moderators Y. Kawaguchi, H. Inose
1-2-EL5	Looking back on 10 years of adult spinal	deformity surgical treatment: The evolution and future pt. of Orthop. Surg., Hamamatsu Univ. School of Medicine…S10  Moderators Y. Kawaguchi, H. Inose (10 years or more)  parative study of surgical treatments for degenerative
1-2-EL5 15:55 ~ Degen	Looking back on 10 years of adult spinal	deformity surgical treatment: The evolution and future pt. of Orthop. Surg., Hamamatsu Univ. School of MedicineS10  Moderators Y. Kawaguchi, H. Inose (10 years or more)  parative study of surgical treatments for degenerative hop. Surg., Dokkyo Medical Univ. Saitama Medical CenterS11 for trapeziometacarpal osteoarthritis
1-2-EL5  15:55 ~ Degen 1-2-S2-1	Looking back on 10 years of adult spinal	deformity surgical treatment: The evolution and future pt. of Orthop. Surg., Hamamatsu Univ. School of MedicineS10  Moderators Y. Kawaguchi, H. Inose (10 years or more)  Darative study of surgical treatments for degenerative hop. Surg., Dokkyo Medical Univ. Saitama Medical CenterS11 for trapeziometacarpal osteoarthritis , Dept. of Orthop. and Hand Surg. Hiratsuka Kyosai HospS11 r cervical laminoplasty
1-2-EL5  15:55 ~ Degen 1-2-S2-1  1-2-S2-2	Looking back on 10 years of adult spinal	deformity surgical treatment: The evolution and future pt. of Orthop. Surg., Hamamatsu Univ. School of MedicineS10  Moderators Y. Kawaguchi, H. Inose (10 years or more)  parative study of surgical treatments for degenerative hop. Surg., Dokkyo Medical Univ. Saitama Medical CenterS11 for trapeziometacarpal osteoarthritis , Dept. of Orthop. and Hand Surg. Hiratsuka Kyosai HospS11 r cervical laminoplasty ept. of Orthop. Surg., Faculty of Medicine, Univ. of ToyamaS12 ns of total hip arthroplasty in this half-century
1-2-EL5  15:55 ~ Degen  1-2-S2-1  1-2-S2-2  1-2-S2-3	Looking back on 10 years of adult spinal	deformity surgical treatment: The evolution and future pt. of Orthop. Surg., Hamamatsu Univ. School of MedicineS10  Moderators Y. Kawaguchi, H. Inose (10 years or more)  Darative study of surgical treatments for degenerative hop. Surg., Dokkyo Medical Univ. Saitama Medical CenterS11 for trapeziometacarpal osteoarthritis , Dept. of Orthop. and Hand Surg. Hiratsuka Kyosai HospS11 r cervical laminoplasty ept. of Orthop. Surg., Faculty of Medicine, Univ. of ToyamaS12

$17:30 \sim 18:30$	Instructional lecture 6	Moderator T. Oda

1-2-EL6 Medical ethics and response to problems ··········· Yu Munakata, Sekiya & Munakata Law Office···S14

$8:00\sim9:00$ Instructional lecture 7	Moderator T. Sakai					
1–3–EL7 Anatomical analysis of the hip joint and surrounding structures and their pelvic floor ···································	relationship to the					
$9:15 \sim 10:15$ Instructional lecture 8	Moderator T. Shinohara					
1-3-EL8-1 Primary repair and early active mobilization for acute flexor tendon inju	ta Hand Surg. Foundation…S15					
$10:30 \sim 11:30$ Instructional lecture 9	Moderator T. Masatomi					
1–3–EL9 Implant selection, tips and pitfalls of surgical technique for total elbow art	throplasty					
12:00 ~ 13:10 Luncheon seminar 2	Moderator M. Sato					
1-3-LS2-1 Patients screening for APS injection for knee osteoarthritis: Are the symptoms really caused by OA?						
1–3–1 Comparative analysis of thumb circumduction characteristics in patients with and trapeziometacarpal osteoarthritis · · · · · · · · · · · · · · · · · · ·	al., Dept. of Orthop. Surg.,					
1–3–2 Classification of morphology of osteophyte in elbow osteoarthritis using 3D						
1–3–3 The criteria for focused therapeutic intervention in lateral epicondylitis of the strength as an indicator ······ <i>Kazuhiro Ikeda, et al.</i> , Dept. of Orthop. Surg.,	e humerus using grip					
1–3–4 Identification of the correct entry point for carpal implant placement to preve complications during total wrist arthroplasty for osteoarthritis	al., Dept. of Orthop. Surg.,					
1–3–5 Three-dimensional analysis of thumb kinematics using CT after arthrodesis thumb carpometacarpal osteoarthritis · · · · · · · Teruyasu Tanaka, et a						
Graduate School of Biomedical and Health S	al., Dept. of Orthop. Surg.,					

	55 ~ 17 : 1 tting-edge			sium 3 and trea	ntment of l	ateral h	umer	al epic			ators	К.	Suzuki,	, M. Ar	nako
1-3-S3-					relation to School of M		Akimo	oto Nim	ura, D	ept.	of Fun				
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1-3-S3-	-4 Surg	gical tr	eatme	nt for the	recalcitran	t tennis	elbow								
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					1st Day	y May	y <b>2</b> 3	Roor	n 4						
8:00	0 ~ 9:00	Fr	ee par	ers 2	Total shou	lder art	hropl	asty	Mo	dera	tors	M. Y	Yamada	ı, N. O	chiai
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1-4-3	reverse	e shou	ılder aı	throplas											
1-4-4	The risk intraop	of ne perativ	europat ve neur	ny associ omonitor	i Nishiura, diated with ring in Tsuchiya	everse sl	houlde	er arthr	oplasty	usin	ıg				
1-4-5	Medium	long-	term r	esults of	RTSA: Is fu	ınction a	nd sat	isfactio	n at 1 y	ear p	ostope	erativ	ely mai	ntained	l
1-4-6	Humera	l bone	e resorj	otion and	l stress dist ····· <i>Ka</i>	ribution	after l	umera	1 stem	inser	tion: S	tanda	ard sten	ı vs.	
9:15	5 ~ 10:15	F	ree pa	pers 3	Knee: OA	1		Mo	derate	ors	S. Ful	kush	ima, K	. Naka	gawa
1-4-7	knee	osteoa	arthriti	s: The os	enlargemer steoarthritis	initiativ	e								
1-4-8	The pro	esenc	e of bo	ne marro	ow lesion in	knee os	teoart	hritis is	influe	nced	by var	us th	rust in a	addition	1

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	•••••	·····Kazun	ori Shimomura, et al., Dept. o	f Rehab., Kansai	Univ. of Welfare Sciences…S30
10:30	~ 11:30	Free papers 4	Perioperative complication	n Moderator	s K. Kiyasu, T. Uematsu
1-4-13	Perioperati aged over		of the occipital cervical fusion	surgery for cervi	cal trauma in patients
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1-4-24Postoperative nerve palsy in 1,434 cases of anterior cervical spine surgery: A multicenter study Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ....S37  $15:55 \sim 17:15$ Symposium 4 Moderators Y. Matsui, K. Kaneoka Conservative treatment for the prevention of locomotive syndrome and frailty 1-4-S4-1 Importance of locomo prevention for frailty prevention and association of sarcopenia with locomo and frailty ...... Yasumoto Matsui, Dept. of Orthop. Surg., National Center for Geriatrics and Gerontology... \$38 1-4-S4-2Early diagnosis and intervention in daily life for locomotive syndrome Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ...S38 1-4-S4-3 Prevention and treatment for aging with emphasis on Achilles tendinopathy 1-4-S4-4 Spinal disease and locomo-frail measures based on longitudinal community health checkups Japanese Red Cross Aichi Medical Center Nagoya Daini Hosp....S39 1-4-S4-5 Conservative treatment method to maximize the prevention of locomotive syndrome and frailty: Osteoporosis ······ Motohiko Sato, Dept. of Orthop. Surg., Inoue Hosp. ··· S40 1-4-S4-6 Conservative treatment strategies maximizing locomotive syndrome and frailty prevention: Knee joint ····· Toru Yamaguchi, Dept. of Orthop. Surg., Zenshukai Hosp. ··· S40  $17:30 \sim 18:30$ Free papers 6 Lumbar spine surgery Moderators A. Wada, M. Yoshimoto 1-4-25Risk factors of postoperative bladder dysfunction for patients with lumbar spinal canal stenosis Faculty of Medical Sciences, Univ. of Fukui ··· S41 1-4-26The clinical significance of PLSE: PLSE serves as a predictor of prolonged post-spinal surgery inflammatory response ······ Ryo Yamamura, et al., Dept. of Orthop. Surg., Showa Univ. ···S41 Bioactive porus titanium spacer for lateral lumbar interbody fusion 1-4-27······ Takayoshi Shimizu, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ. ··· S42 1-4-28Establishing a standardized clinical consensus for reporting complications following lateral lumbar interbody fusion ······ Kenyu Ito, et al., Dept. of Orthop. Surg., Aichi Spine Hosp. ··· S42 1-4-29Biology in spine fusion model using bone graft substitute 1-4-30 Efficacy and safety of OLIF51 based on the preliminary registry data of the proctor facilities 1st Day May 23 Room 5  $8:00 \sim 9:00$ Free papers 7 ACL 1 Moderators Y. Hoshino, Y. Kimura 1-5-1 Utility of anterior tibial subluxation (ATS) evaluation in straight standing lateral knee X-ray: Chiba LEAF study ..... Tsuyoshi Hamada, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ... S44 1-5-2The effect of knee instability on meniscal healing after ACL reconstruction with meniscal repair: Second look arthroscopy ····· Shunta Hanaki, et al., Dept. of Orthop. Surg., Nagoya City Univ. Hosp. ··· S44 1-5-3The efficacy of periarticular cocktail injection compared with that of nerve blocks for pain control after anterior cruciate ligament reconstruction ·······Naoki Takemoto, et al., Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kanazawa Univ....S45

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1-5-17	Fall prediction accuracy of gradient-boosting decis	ion tree models using three-dimensional features
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1-5-16	Therapeutic effect of repetitive alternating motion	gait rehabilitation for thoracic myelopathy patient
1-5-15	Potential of a newly developed ultrasound device f Cross-sectional analysis from FESTA study 	or estimating muscle mass in older adults: Dept. of Orthop. Surg., Hyogo College of Medicine…S51
	adults: Cross-sectional analysis from FESTA students: Masaaki Onishi, et al., I	ly Dept. of Orthop. Surg., Hyogo College of Medicine…S50
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		eumatology, Musculoskeletal and Cutaneous Surg.,
1-5-10	Analysis of GAP score and locomotive syndrome in	tama Prefectural Univ. Dept. of Health and Welfare…S48 n healthy adults: Yakumo study
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1-5-8	Trends in prevalence of knee osteoarthritis over a Are knee joints getting younger?	10-year period using the ROAD cohort data:
1-5-7	Effects of locomotion training-based outpatient rel infiltration in locomotive syndrome: 2-year prosp	
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	·····Akimasa Su	zuki, Dept. of Orthop. Surg., Tokyo Medical Univ. · · · S46
1-5-5	Return to sports and sports activity level after anter	hop. Surg., Tokyo Medical and Dental Univ. HospS45 ior cruciate ligament reconstruction
1-5-4	Advanced age and postoperative poor extensor mus KOOS-Sports and -QOL 1 year after ACLR	-

1-5-LS4-1 Paradigm shift in orthopaedic surgery through advancements in diagnostic imaging technology: MRI ····· *Jun Sasahara, et al.*, Teikyo Univ. Institute of Sports Sciences & Medicine ··· S53

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1-5-AS1			plasty with Oxford Partial Kno	ee <i>lrew J. Price,</i> Univ. of Oxford, Ox	cford, UK…S54
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1-5-19 1-5-20			Graduat	mbar spine X-ray images ., Div. of Science for Joint Recons te School of Medicine, The Univ. reads paper-based JOABPEQ usi	of Tokyo…S55
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1-5-22	Developm injury pa	ent of a machine lea atients	arning model for predicting Al	IS at hospital discharge in spinal Graduate School of Medicine, Ch	cord
1-5-23	Viable tun	nour cell density afte nosis of osteosarcon	er neoadjuvant chemotherapy ma····· <i>Kengo</i>	assessed using deep learning re Kawaguchi, et al., Dept. of Ortho School of Medical Sciences, Kyus	eflects op. Surg.,
1-5-24	artificial	intelligence: JASA n Sadayuki Ito, et al., D Progra	nulticenter study Dept. of Orthop./Rheumatolog	e and cervical spinal cord injury gy, Musculoskeletal and Cutaneo raduate School of Medicine, Nage Moderators S. Ima	ous Surg., oya UnivS5′
1-5-25	tests and	radiographs for deg	generate rotator cuff tears	essing the diagnostic accuracy o Orthop. Services Hosp., Karachi,	
1-5-26	quantitat	tive analysis and rec	covery after nonoperative treat		phy
		$\cdots \cdots vvon \ \mathbf{N}yu$	Jang, et al., Dept. of Orthop. S	Surg., Good Samsun Hosp., Busa	ın, Korea…S58
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	How proxi analysis Kuan Safety prox	mal ulnar shaft fract for Monteggia fracti <i>Yu Huang, et al.,</i> De file, quality of life an	ture could easily result in radi ure ept. of Orthop., Kaohsiung Vet d patient satisfaction after ort	ial head dislocation?: A critical va terans General Hosp., Kaohsiung thopaedic implant removal	ılue g, Taiwan⋯S59
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1-5-27 1-5-28 1-5-29 1-5-30 1-5-31	How proxi analysis Kuan Safety pro  Canceled Does fatty capsule r	mal ulnar shaft fractifor Monteggia fractiful Huang, et al., De file, quality of life an infiltration severity reconstruction in irrakihiko Hasegawa, e lateral compartmen	ture could easily result in radiure ept. of Orthop., Kaohsiung Vet ad patient satisfaction after ort Rajiv Maharjan, et al., I of the infraspinatus muscle af reparable rotator cuff tears? et al., Dept. of Orthop. Surg., nt physeal closure in osteocho	ial head dislocation?: A critical vaterans General Hosp., Kaohsiung thopaedic implant removal Dept. of Orthop., BPKIHS, Dhara	alue g, Taiwan…S59 an, Nepal…S59 superior ical UnivS60

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1-6-1 1-6-2 1-6-3 1-6-4 1-6-5 1-6-6	Early versus delayed weight bearing after internal fixation for femoral nor A multicenter (TRON group) retrospective study	oskeletal and Cuta ool of Medicine, N derly: Analysis of a oskeletal and Cuta ool of Medicine, N derly patients with ate School of Med Prefectural Univ. mbulatory ability dai Medical Assoc Graduate School e intertrochanteri	neous Surg., Nagoya UnivS64 mortality neous Surg., Nagoya UnivS64 h lical Science, of MedicineS65 ciation HospS65 of MedicineS66 c fractures:
12:0	0 ~ 13 ∶ 10 Luncheon seminar 5	Moderato	or M. Ikeuchi
1-6-LS5	of the disease: Part 1 ····· Muneaki Ishijima, Dept. of Medicine	for Orthop. and M	
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1-6-7 Ultrasonic imaging in endoscopic spinal surgery: A novel intraoperative imaging	g technolog	gy with
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1-7-1	Effect of PIEZO1 deletion on tendons
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1-10-13	A system	nic review and meta-analysis o			
10		ement of acetabular fractures	T	G	
	_		ish, et al., Dept. of Or	thop. AIIMS Jodhpur, Rajasthan	, India···S126

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	28-year retrospective study of 4800 cases
	······Man Hong Steve Cheung, et al., Dept. of O&T, The Univ. of Hong Kong, Hong Kong···S127
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1-10-17	Age at periacetabular osteotomy does not reduce the likelihood of excellent 20-year
	patient-reported outcomes with their native hips Satoshi Yamate, et al., Dept. of Orthop. Surg.,
	Clinical Medicine, Graduate School of Medical Sciences, Kyushu Univ.···S128
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1 10 00	
1-10-20	Clinical correlates of nutritional status and Ponseti technique success in clubfoot patients
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1-11-1	Self-image and related factors in Lenke type 5C patients: AIS vs. AdIS
4 44 0	
1-11-2	The upright posture of humans requires the coordination of the spine, pelvis and hip joints
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1-11-3	Relationship between curve progression of adolescent idiopathic scoliosis and the onset of
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1-11-7	Impact of fatty degeneration of paravertebral muscle on surgical treatment of adult spinal
	deformity: Multicenter study of NSG
	··· Yoshinori Morita, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,
	Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S133
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	······ Takahito Fujimori, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Osaka Univ.···S133
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	Junya Katayanagi, Dept. of Orthop. Surg., Dokkyo Medical Univ. Saitama Medical CenterS134
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1-11-21	Longitudinal follow-up of precursory signs for atypical femoral patients with bone-modifying agents ······ Takumi Kaku, et al. Graduate School of Medical and Dental Science	I fractures in bone metastatic <i>al.</i> , Dept. of Orthop. and Spinal Surg., ces, Tokyo Medical and Dental UnivS142					
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1-12-S7-2	Collaboration between orthopaedics and primary care: C on the perioperative management of hip fractures Takahisa Ogawa, et al., Dept. of Orthop. Surg., Sa.	Current status and challenges -focusing
1-12-S7-3	Collaboration between general practitioners and orthopa Municipal Hospital · · · · · · · · Makoto Oura, et al., Dept. of	_
1-12-S7-4	Hospitalist co-management for elderly patients with hip fr Takatsuki General Hospital	
1-12-S7-5		icine: How far can we go?
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1-Po-1	Evaluation of cervical spine radiographs in the patients with  **Koki Kawaguch**  Dept. of Multimodality Therapy for Cancer, 1	
1-Po-2	The sagittal plane inclination angle of the atlantoaxial joint in	
1-Po-3	Comparison of screw accuracy and complications between n screw (MICEPS) fixation and conventional cervical pedicle	e screw fixation
1-Po-4	Cervical alignment in patients with acute exacerbation of cer	rvical compression myelopathy to Sanada, et al., Dept. of Orthop. Surg.,
1-Po-5	Estimation of cervical sagittal alignment by visual distance a the estimating accuracy?	
1-Po-6	Cervical posterior spondylolisthesis is caused by compensat	tion for high T1 slope
1-Po-7	The relationship between degenerative cervical spondylolist	thesis and spinopelvic parameter
	~ 10:45 Poster (Booth No. 2, Marine Messe Fukuol par spine 1	ka Hall B) Moderator K. Saita
1-Po-8	Bone fusion of alkaline heat-treated pure titanium porous comments of the second secon	
1-Po-9	Short-term results of posterior lumbar interbody fusion using early bone guidance ······· Tomohiko Hasegawa, et al., De	ing a new interbody spacer aiming at

1-Po-10	Comparative surgical cost analysis of three minimally invasive fusion techniques for elderly
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1-Po-11	The impact of pain on lumbar spine functional radiographs: A comparison of new and conventional methods ···· <i>Tomonori Morita, et al.</i> , Dept. of Orthop. Surg., Sapporo Medical Univ.···S158
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	after elective lumbar spine surgery in elderly patients
4.70.44	Eiji Takasawa, et al., Dept. of Orthop. Surg., Gunma Univ. Graduate School of Medicine \$159
1-Po-14	Efficacy of percutaneous rupture for lumbar facet cysts
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UKA	, , , , , , , , , , , , , , , , , , , ,
1-Po-15	Relationship between placement status of femoral component relative to tibial component coronal
	plane in UKA extension position and clinical results
	················ Toshihiko Goto, et al., Dept. of Orthop. Surg., Hiroshima Prefectural Akitsu Hosp.···S161
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	fixed-bearing UKA ····· Mitsuki Kusaba, et al., Dept. of Orthop Surg.,
	Hyogo Prefectural Harima-Himeji General Medical Center···S161
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1 1 0 11	uniconpartmental knee arthroplasty
	Funio Masuda, et al., Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine \$162
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1-Po-18	Finite element analysis of stress concentration on the medial tibial cortex due to peripheral load
1 D 10	in UKA ······ Kotaro Yamagishi, Dept. of Orthop. Surg., Kindai Univ. Faculty of Medicine ··· S162
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	knee arthroplasty
1-Po-20	Factors associated with tibial bone resorption after unicompartmental knee arthroplasty
	······Yuki Uda, et al., Dept. of Orthop. Surg., Kyoto Univ. Hosp.···S163
1-Po-21	The radiological examination of optimal component positioning to reduce spinning out risk in
	mobile-bearing UKA (MUKA/Oxford partial knee)
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10:10 ~	10:45 Poster (Booth No. 4, Marine Messe Fukuoka Hall B) Moderator M. Hasegawa
TKA 1	
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1-Po-23	The effect of lower limb rotation on measurement of arithmetic-HKA in long-leg radiography
1-Po-24	Cartilage thickness and wear of posterior medial femoral condyle in severe varus
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	invasive than unilateral TKA ····· Seiji Kawaguchi, et al., Dept. of Orthop. Surg., Notogawa Hosp. ··· S166
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1_Do_91	hip dysplasia ······· <i>Kazuki Miyamoto, et al.</i> , Dept. of O Patient-reported outcome measures are similar following acetabular displa		
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1-Po-36	Is a plate necessary for canulated cancellous screws for non-displaced fem	oral neck frac	tures?
	·····Kento Maeda, et al., Dept. of Orthop./Rheumatology, Musculoskele		
	Program in Integrated Medicine, Graduate School of		
1-Po-37	Retrospective multicenter study (TRON study) of clinical comparison of ca	ancellous cann	ulated
	screw versus femoral neck system for femoral neck fractures Eiki Morisaki, et al., Dept. of Orthop./Rheumatology, Musculoskele	tal and Cutano	oue Sura
	Program in Integrated Medicine, Graduate School of		0 /
1-Po-38	Postoperative results of osteosynthesis with FNS for non-displaced femora		
	our hospital ············Akito Nagai, et al., Dept. of Orthop. Surg., Chib		
1-Po-39	Comparative outcomes of in-situ and reduction fixation techniques in geria	atric patients w	vith
	valgus-impacted femoral neck fractures: Retrospective multicenter study		
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1-Po-45	The comparison of clinical outcomes of two routes and one route coracoclavicular ligament reconstructions <i>Taro Akiyama, et al.</i> , Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ.···S178			
1-Po-46	Clinical results of proximal humeral fractures (2-part surgical neck fractures): Comparison of intramedullary nailing and locking plate fixation			
1-Po-47	Impact of age on outcome after reverse shoulder arthroplasty performed for proximal humerus fractures ···· Gaku Matsuzawa, et al., Dept. of Orthop. Surg., Iwaki City Medical Center···S179			
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1-Po-51				
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1-Po-52	Association between preoperative Stump classification and postoperative retear of arthroscopic rotator cuff repair with low tension repair ······ Yasuhiko Sumimoto, et al., Dept. of Orthop. Surg.,  Graduate School of Biomedical and Health Sciences, Hiroshima Univ.···S182			
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1-Po-55	Bone marrow edema around acromioclavicular joint after arthroscopic rotator cuff repair			
1-Po-56	Comparison of clinical outcomes at two and ten years after arthroscopic rotator cuff repair			

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10:10 ~	10:45 Poster (Booth No. 9, Marine Messe Fukuoka Hall A) Moderator A. Kubota				
RA: St	irgery 1				
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1-Po-58	Extensor tendon rupture of the wrist joint in rheumatoid patients and evaluation with modern three-dimensional computed tomography reconstruction images				
1-Po-59					
1-Po-60	Long term result of the unlinked total elbow arthroplasty				
1-Po-61	Investigate the efficacy in total knee arthroplasty by pre-cut method for patients with rheumatoid arthritis ···································				
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1-Po-204		argical treatment and postoperative outcome of proximal hip fract				
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1-Po-223	Diagnosis and successful treatment for distal femur osteosarcoma with extra-skeletal lesion Seiichi Matsumoto, et al., Dept. of Orthop. Oncol., Cance			
14:50 ~ RA: Me			r S. Yoshida	

1-Po-224 The effects of glucocorticoid on treatment course in patients with difficult to treat rheumatoid arthritis · · · · · Shohei Anno, et al., Dept. of Orthop. Surg., Yodogawa Christian Hosp. · · S280

1-Po-225	Long-term tocilizumab treatment in patients with rheumatoid arthritis in daily clinical practice Yusuke Ono, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ S280
1-Po-226	Fluctuation in anti-cyclic citrullinated protein antibody level determines the retention rate of TNF inhibitors in rheumatoid arthritis
1-Po-227	Effectiveness and safety of JAK inhibitors with and without methotrexate in patients with rheumatoid arthritis in a real-world setting Shuji Asai, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ S281
1-Po-228	Impact of seropositivity on drug retention of biologics and JAK inhibitors: The answer cohort study ····································
1-Po-229	The effectiveness of barcitinib versus peficitinib in patients with rheumatoid arthritis in real clinical practice Kenya Terabe, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,  Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ S282
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1-Po-232	Cause of traumatic atlantoaxial rotatory fixation in children
1-Po-233	Can intraoperative T1 tilt predict postoperative shoulder balance in adolescent idiopathic scoliosis? Yuki Kinoshita, et al., Scoliosis Center, Dept. of Orthop. Surg., Osaka City General Hosp S285
1-Po-234	Quality of life after posterior fusion surgery for idiopathic scoliosis: Comparison between traditional growing-rod vs. one-time posterior corrective fusion surgery
1-Po-235	Scoliosis progression after lung transplantation in childhood
1-Po-236	Investigative study of characteristics and trends of the patients with early onset scoliosis in our scoliosis center ······· Tomonori Katsuragi, et al., Scoliosis Center, Dept. of Orthop. Surg.,  Osaka City General Hosp.···S286
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1-Po-238	Using a musculoskeletal model to investigate of mechanical change in spinal fusion surgery

1-Po-239	Utility of navigated high-speed drill in robot-assisted spine surgery
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1-Po-261	Sacral spine development and its implications in children and adolescents for making a proper diagnosis of low back pain  **Note: Ithiruba et al. Don't of Orthon Surra Diversity of Diagnosis Control
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1-Po-266	Short-term results of bilateral TKA in robot-assisted personalized alignment (PA) and mechanical alignment (MA) methods
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1-Po-317	Mid-term clinical outcomes of TNK ankle
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1-Po-323	the RO	Graduate School of Medical Sign of cup placement accuracy and measurement of leg lengthen OSA hip system Yusuke Ozaki, et al., Dept. of Orthop. Surg., St. Marianna	ing and offset cl	nange of
1-Po-324	Accurace the dia	cy of cup placement using AR navigation ortho panther in total hirect anterior approach  Yuta Matsuki, et al., Dept. of Orthop. Surg., Yamaguchi Prefectur	ip arthroplasty tl	hrough
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16:20 ~ Cervic	16:55 Poster (Booth No. 1, Marine Messe Fukuoka Hall B) al spine posterior decompression	Moderator H. Iizuka
1-Po-334	Cost-effectiveness comparison of cervical laminoplasty with titanium plate hydroxyapatite block spacers: Is plate spacer more valuable? Yujiro Kagami, et al., Dept. of Orthop./Rheumatology, Musculoskelet Program in Integrated Medicine, Graduate School of Medicine, Graduate	al and Cutaneous Surg.,
1-Po-335	Impact of hypertension in diabetes on surgical outcomes after cervical land A retrospective, multi-institutional study of 1002 patients Eiji Takasawa, et al., Dept. of Orthop. Surg., Gunma Univ. Gradu	
1-Po-336	Analysis of risk factors for postoperative kyphotic deformity in selective la	minoplasty
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1-Po-338	Selective modified K-line on T2 weighted MRI can predict JOA recovery r surgery for cervical spondylotic myelopathyNaoki Yamaguchi, et al., Dept. of Orthop. Surg., National De	
1-Po-339	K-line (-) in the neck-flexed position can predict surgical outcome of cervi- spondylotic myelopathy · · · · · Satoshi Nori, et al., Dept. of Orthop. Surg.,	cal
1-Po-340	The effect of C3 laminectomy and laminoplasty on the postoperative local	
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1-Po-342	Percutaneous vertebroplasty for patients with osteoporotic vertebral fract thoracolumbar and lower lumbar spine	ure: Comparison of
1-Po-343	Association of CT HU values with adjacent vertebral fractures after balloo Hiromitsu Takano, et al., Dept. of C	n kyphoplasty
1-Po-344	Usefulness of hounsfield units value of vertebral body in adjacent vertebra following BKP ···································	hop. Surg., Nihon Univ.···S347
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1-Po-350	Intraoperative mid-flexion soft tissue balance in functional alignment TKA using Mako system  Seikai Toyooka, et al., Dept. of Orthop. Surg., Teikyo Univ. S350
1-Po-351	Preoperative factors associated with component gaps at the final measurement in robotic-assisted TKA
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1-Po-352	Validation of an intraoperative gap boundary to improve PROMs in robot-assisted BCR TKA
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1-Po-353	With preserved medial stability, lateral looseness could be intraoperatively allowed in CR-TKA
	for varus type osteoarthritic knees ······ <i>Takao Inokuchi, et al.</i> , Dept. of Orthop Surg.,
	Hyogo Prefectural Harima-Himeji General Medical Center···S352
16:20 ~	2 16:55 Poster (Booth No. 4, Marine Messe Fukuoka Hall B) Moderator H. Kaneko
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1-Po-354	Efficacy of high- and low-dose, highly bioavailable curcumin (CurcuRouge®) for treating knee
	osteoarthritis: A randomized, double-blind, placebo-controlled prospective study
1-Po-355	Consideration of positivity rate of Thessaly test and associated factors in early osteoarthritis of
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	······ Hiroaki Ido, et al., Dept. of Orthop./Rheumatology, Musculoskeletal and Cutaneous Surg.,
1-Po-357	Program in Integrated Medicine, Graduate School of Medicine, Nagoya Univ.···S354 The phase angle determined by the bioelectrical impedance and the grade of early knee
1 10 337	osteoarthritis are related: Bunkyo health study
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1-Po-359	Clinical study on the allergic symptoms experienced after injection of SI-613/ONO-5704 in patients with osteoarthritis of the knee and hip
1-Po-360	Decreased elastic modulus of knee articular cartilage based on new macroscopic methods
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	······ Takahiro Maeda, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ.···S356
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1-Po-364	Long-term results of metal-on-metal THA using a metal-polyethylene sandwich liner and a study
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1-Po-365	Mid term result of Burch-Schneider cage is better than KT-Plate: A single center study
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1-Po-367	Risk factors for non-union in femoral neck fractures patients with internal fixation: A multicenter (TRON group) retrospective study ··· Shingo Kurahashi, et al., Dept. of Orthop./Rheumatology,  Musculoskeletal and Cutaneous Surg., Program in Integrated Medicine,  Graduate School of Medicine, Nagoya Univ.···S360
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1-Po-369	Risk factors for development of deep venous thrombosis after surgery in proximal femoral fractures by ultrasonography
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1-Po-371	Graduate School of Medicine, Nagoya UnivS361 Incidence and treatment of peri-implant fractures after intramedullary nail fixation for femoral trochanteric fractures: A multicenter (TRON group) retrospective study
1-Po-372	Graduate School of Medicine, Nagoya UnivS362  Perioperative complications of proximal femoral fractures with aortic valve stenosis
1-Po-373	Background factors for intra-operative hypotension during hip fracture repair surgery in the elderly under spinal anesthesia managed by orthopaedic surgeons
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1-Po-374	Correlation between thickening of flexor tendon in trigger finger and Bouchard node
1-Po-375	Clinical evaluation of USSR for trigger finger with proximal interphalangeal joint fixed flexion deformity ······ <i>Takanori Hatanaka</i> , <i>et al.</i> , Dept. of Orthop. Surg., Tokyo Medical Univ.···S364
1-Po-376	Stretching improves prolonged symptoms of trigger finger even after steroid injections and avoids surgery · · · · · · · · Takato Oishi, et al., Dept. of Orthop. Surg., Iwata City Hosp. · · S365
1-Po-377	The location and morphology of the bifurca of the flexor digitorum superficialis tendon in trigger finger patients
1-Po-378	Incidence and risk factors of the trigger finger after the carpal tunnel release Takashi Noguchi, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ S366
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1-Po-380	Impact of collagenase injection on the therapeutic selection of Dupuytren disease: Trend analysis using the NDB database
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1-Po-381	Prognostic factors for overall survival following initial pulmonary metastasis after soft tissue sarcoma surgery
1-Po-382	New logarithmic spiral flap design with golden ratio design by golden rectangle Akio Sakamoto, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ \$368
1-Po-383	Treatment results of soft tissue sarcoma of the lower leg
1-Po-384	Significance of radiation therapy in the myxoid liposarcoma treatment system
1-Po-385	Development of a novel histology-specific risk classification for myxofibrosarcoma using bone and soft tissue tumor registry in Japan
1-Po-386	Cases of soft tissue sarcomas with early metastases post-wide resection of primary tumor:  Comparison with metastasis timing · · · · · · Akane Ariga, et al., Dept. of Orthop. and Spinal Surg.,  Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ. · · · S370
1-Po-387	Neutrophil-lymphocyte ratio changes in patients with soft tissue sarcoma
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1-Po-390	Comparison of mechanical property between autograft tendons for anterior cruciate ligament (ACL) reconstruction and ACL
1-Po-391	Effect of posterior tibial slope and hyperextended knee on knee stability after ACL reconstruction ····································
1-Po-392	Preoperative meniscal pathology and postoperative outcomes in delayed ACLR: Comparison to early ACLR using propensity score matching
1-Po-393	Correlation between pivot shift test and lateral-to-medial anterior tibial subluxation on MRI in ACL injury: Chiba LEAF studyNobuaki Hayashi, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba UnivS374
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1-Po-394	Relationship between sleep disorders and back pain in osteoporosis

1-Po-395	Longitudinal changes in muscle mass, bone mineral density, and spinal sagittal alignment in women with osteoporosis
1-Po-396	Changes in clinical symptoms and body composition before and after new vertebral fractures in
1-Po-397	osteoporosis patients · · · · · · · · Eiki Shirasawa, et al., Dept. of Orthop. Surg., Kitasato Univ. · · S376 The relationship between spinal sagittal malalignment and gastro esophageal reflux disease in
1-10-397	patients with osteoporosis ········ <i>Naoya Shibata, et al.</i> , Dept. of Orthop. Surg., Kitasato Univ.···S376
1-Po-398	Utility of thoracic/lumbar vertebral X-ray for osteoporosis screening
1 10 000	
1-Po-399	A study on internal validation after developing a long-term vertebral fracture prediction model
	including vertebral bone quality score
1-Po-400	Utility of hounsfield unit values for assessment of bone quality
	Dept. of Medicine of Sensory and Motor Organs, Faculty of Medicine, Univ. of Miyazaki…S378
16:20~	
Compt	iter assisted surgery: Knee
1-Po-401	Comparison of intra-operative flexion kinematics for deep dish (DD) and bi-cruciate stabilized
	(BCS) total knee arthroplasty
4 D 400	
1-Po-402	Comparative study of pre-and postoperative CPAK classification changes and accuracy between
	robotic-assisted and conventional TKA using mechanical alignment method Takashi Kotani, et al., Dept. of Orthop. Surg., St. Marianna Univ. School of Medicine S379
1-Po-403	Clinical results of robotic-assisted TKA and conventional TKA using the mechanical
1 10 403	alignment method
1-Po-404	PCL contributes to medial and rotational stability in TKA using digital tensor with
	navigation system ····· Mitsuru Motoyama, et al., Dept. of Orthop. Surg., Yoshida General Hosp. ··· S380
1-Po-405	Examination of accuracy of soft tissue balance evaluation in robotic-assisted BCR/BCS TKA
1 D- 40C	Institute of Biomedical Sciences, Tokushima Univ. Graduate School···S381
1-Po-406	Novel gait analysis system by gait movie with artificial intelligence: Identification of gait disturbance by anterior cruciate ligament injury
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.··S381
1-Po-407	Accuracy study of robot-assisted surgery evaluated with a consistent bone axis from
	preoperative planning to osteotomy and postoperative evaluation
16:20~	16:55 Poster (English) (Booth No. 12, Marine Messe Fukuoka Hall A) Moderator Y. Nanba
Knee	,
1-Po-408	Canceled
1-Po-409	Lower extremity deformity and its risk factors in patients with solitary osteochondromas
	Ki Hyuk Sung, et al., Dept. of Orthop. Surg.,
	Seoul National Univ. Bundang Hosp., Gyeonggi, Korea…S383
1-Po-410	Is the coronal plane alignment of the knee (CPAK) classification different between medial and
	lateral osteoarthritis of the knee?

1-Po-411	Intra-articular knee injection of adipose-derived stromal vascular fraction cells provide earlier pain relief compared to adipose tissue-derived mesenchymal stem cells
1-Po-412	The changes in tibial alignment in the coronal plane affect postoperative physical performance in unicompartmental knee arthroplasty ····· <i>Takashi Tsuda, et al.</i> , Dept. of Bone and Joint Surg.,  Ehime Univ. Graduate School of Medicine ··· S385
1-Po-413	The distance of the edge in the coronal plane affects the resected fibula bone union in closed-wedge high tibial osteotomy ········ <i>Takashi Tsuda, et al.</i> , Dept. of Bone and Joint Surg.,  Ehime Univ. Graduate School of Medicine···S385
1-Po-414	Progression of coronal varus knee deformity is related to pelvic posterior tilt and distal tibia varus ················Satomi Abe, et al., Dept. of Orthop. Surg., Asahikawa Medical Univ.···S386
17:05 ~ Drop h	17:40 Poster (Booth No. 1, Marine Messe Fukuoka Hall B) Moderator T. Imuro lead syndrome
1-Po-415	Evaluation of factors associated with the dynamic cervical alignment using three-dimensional gait motion analysis for the dropped head syndrome
1-Po-416	The diagnosis by prone position cervical X-ray in patients with dropped head syndrome
1-Po-417	Clinical significance of enhanced MRI findings in dropped head syndrome
1-Po-418	MRI brightness changes in neck extensor muscles in patients with dropped head syndrome
1-Po-419	Relationship between continuous forward gaze time and quality of life in patients with dropped head syndrome · · · · · · · Tomoyuki Ueshima, et al., Dept. of Orthop. Surg., Tokyo Medical Univ. · · S389
1-Po-420	The potential efficacy of serotonin noradrenaline reuptake inhibitor duloxetine in dropped head syndrome
1-Po-421	
17:05~	` '
Lumba	r spine endoscopic surgery
1-Po-422	Clinical outcomes and risk factors for poor outcomes in microendoscopic laminectomy for lumbar spinal stenosis · · · · · · · · · · · · · · · · · ·
1_Do_499	Osaka Metropolitan Univ. Graduate School of MedicineS391
1-Po-423	Simulation for full-endoscopic interlaminar lumbar discectomy at L5/S level using 3D lumbar nerve MRI images created automatically with artificial intelligence
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S391
1-Po-424	Preoperative simulation of full-endoscopic discectomy using 3D-MRI/CT fusion images at
	lumbosacral level: Including outside-in technique with foraminotomy
	····· Daisuke Ukeba, et al., Dept. of Orthop. Surg.,
1-Po-425	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S392 Discoscopic findings of discogenic low back pain
1 10 443	

1-Po-427	Ultrasonography is more useful for evaluation of the epidural hematoma microendoscopic surgery than evaluation with MRIShizumasa Murata, et al., Dept. of Orthop. Surg., Shingu N	
1-Po-428	The current situation and countermeasures of postoperative hematoma full-endoscopic lumbar discectomy	in transforaminal
17:05~	· /	Moderator T. Nagura
Miee:	Imaging evaluation 1	
1-Po-429 1-Po-430	The type classification of knee OA BML for ESWT ····················Shinya Osteophyte formation with deteriorated cartilage could be seen in T2 m increased T2 values around 80ms ···················Hiroshi Watanabe, et a Nippon Medical Sch	apping MRI with
1-Po-431	Assessment of femoral trochlear dysplasia using three-dimensional CT: patellar dislocation Rika Shigemoto, et al., Dept. of Orthop. Surg., Kobe Univ. Gra	
1-Po-432	Comparison measurement technique of the tibial slope between X-ray a	nd CT of Orthop./Rheumatology,
1-Po-433	Analysis of associated factors with the cross-sectional area and CT value after ACL reconstruction using CT	e of the gluteus medius
1-Po-434	Longitudinal changes in anterior cruciate reconstructive ligament matu oxygen therapy in MRI-RT2* mapping	ration with hyperbaric
1-Po-435	Usefulness of preoperative pain assessment for osteoarthritis of the knees SPECT/CT······Masahide Nakajo, et al.  Graduate School of Medical and Dental School.	ee using quantitative bone al., Dept. of Orthop. Surg.,
17:05 ~ Knee:	- 17:40 Poster (Booth No. 4, Marine Messe Fukuoka Hall B) Alignment	Moderator K. Kaneda
1-Po-436	The influence of meniscus extrusion and alignment on the distribution plane density across knee joint	ul., Dept. of Orthop. Surg.,
1-Po-437	Medialization of center of the proximal tibial aspect in severe osteoarth. Jun Fukui, et al., Dept. of Orthop./Rheumatology, Musculoskel  Program in Integrated Medicine, Graduate School o	ritic knee letal and Cutaneous Surg.,
1-Po-438	Epidemiology of the relationship between self-reported lower extremity progression of knee osteoarthritis ···································	alignment and
1-Po-439	Comparison of the sagittal alignment of spine, pelvis and lower extremit knee osteonecrosis and knee osteoarthritis	
1-Po-440	Relationship between flexion contracture and trunk alignment in the parknee osteoarthritis	tient with
1-Po-441		rison between normal

1-Po-442		l alignment of the knee in windswept deformity	Surg., Tohoku U	Jniv. HospS402
17:05 ~ THA:	17:40 Surgical	Poster (Booth No. 5, Marine Messe Fukuoka Hall B) result 1	Moderator	S. Nakamura
1-Po-443	antero	l effects on patient outcomes and muscle strength of conjoint to plateral muscle-sparing total hip arthroplasty detatsu Tanaka, et al., Dept. of Orthop. Surg., Tohoku Univ. Gr		f Medicine…S403
1-Po-444	Preope arthro	rative lower-limb muscle predictors for gait speed improvemen oplasty for female patients with osteoarthritis  ••• Tadashi Yasuda, et al., Dept. of Orthop. Surg., Kobe City Me	t after total hip	
1-Po-445	Clinica	l outcomes of total hip arthroplasty based on trends in JOA sco of THA? ······· Takafumi Amano, et al., Dept. of Orthop. Sur	res: When is the	
1-Po-446	anter	ne learning curve affect the 5-year implant survival rate of total ior approach? <i>wichi Nakamura, et al.</i> , Dept. of Orthop. Surg., Graduate Scho		
1-Po-447	Effect o	of enhanced recovery after surgery (ERAS) on total hip arthron	olasty	
1-Po-448	The pse	pas muscle index as a useful predictor of total hip arthroplasty <i>Toshinori Okamoto, et al.</i> , Dept. of Orthop. Surg., Osaka Medica	outcomes	
1-Po-449	Short-t	o-midterm outcomes of simultaneous supine position THA and UKA procedures ····· Akira Izumi, et al., Dept. of Orthop. Surg	contralateral or	psilateral
17:05 ~ Hip fr		Poster (Booth No. 6, Marine Messe Fukuoka Hall B) athophysiology	Moderato	r T. Tsubaki
1-Po-450		nship between femoral proximal fracture and oral health ····································	ıra Hiroshima I	Prof Hosp\$407
1-Po-451	Associa	tion of the number of teeth with physical function after hip fraction of the number of teeth with physical function after hip fraction of Sorimachi, et al., Dept. of Emerg. and Crit. Care Med., Fuku	cture surgery	
1-Po-452	Prospe	ctive study with possibility of coexistence of proximal femoral fure hydrocephalus  Hidenori Komoda, et al., Dept. of Orthop. Surg., JCHO Toky	racture and norn	nal
1-Po-453	Examir (neck	nation of factors related to the site of occurrence of proximal fer fractures or trochanteric fractures)	mur fractures	
1-Po-454	Prealbu	imin as a nutritional marker: Impact on postoperative weaning fracture ····································	and ADL in patie	nts with
1-Po-455	Compa patier	rison among some indicators of nutritional status for postopera ats with proximal femoral fracture	tive one-year mo	rtality in
1-Po-456	Relation	nship between nutritional indicators and osteoporosis related far fracture ······· Takashi Kitano, et al., Dept. of Orthop. Su	actors in proxima	ıl
17:05 ~ Carpa		Poster (Booth No. 7, Marine Messe Fukuoka Hall A) syndrome 1	Moderate	or M. Okada
1-Po-457		significance of Camitz procedure in severe carpal tunnel synd		1 6
	•••••			

1-Po-458	Three-dimensional analysis of thumb motion deficits in carpal tunnel syndrome accompany with thenar muscle atrophy ····································
1-Po-459	Changes in electrophysiological parameters after carpal tunnel release for elderly patients with severe carpal tunnel syndrome
1-Po-460	Is carpal tunnel release effective in elderly patients (75 years old and over) compared with middle age (40-64 years old)?
1-Po-461	Endoscopic management of carpal tunnel syndrome for the elderly
1-Po-462	
1-Po-463	Yuichi Yoshii, et al., Dept. of Orthop. Surg., Tokyo Medical Univ. Ibaraki Medical CenterS413 Study of factors contributing to poor recovery in sensory function one year after endoscopic carpal tunnel releaseTakashi Ajiki, et al., Dept. of Orthop. Surg., Ishibashi General HospS414
17:05~	17: 40 Poster (Booth No. 8, Marine Messe Fukuoka Hall A)
Tumor:	Elderly sarcoma & bone metastases Moderator S. Shimose
1-Po-464	Clinical features of excessive elderly patients with soft tissue sarcoma aged 90 years or older Hiroyuki Tsuchie, et al., Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine S415
1-Po-465	Radiation therapy for older patients with soft tissue sarcomas at extremities
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S415
1-Po-466	The changes in the treatment for bone metastases over the past 20 years
	Osaka Metropolitan Univ. Graduate School of Medicine…S416
1-Po-467	Assessment of denosumab administration and examination of risk factor of osteonecrosis of the jaw in patients with bone metastasis ··· Naoki Furukawa, et al., Dept. of Orthop., Juntendo Univ.···S416
1-Po-468	Survival analysis of female bone metastatic breast cancer according subtype classification
	Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S417
1-Po-469	Investigation of prognostic factors in patients with bone metastasis of non-small cell lung cancer (NSCLC) after immune checkpoint inhibitors (ICIs)
1-Po-470	Yuki Ishibashi, et al., Dept. of Orthop. Surg., The Univ. of Tokyo Hosp., The Univ. of Tokyo S417 Surgical intervention for pathological femoral fractures improves survival time Toshiyuki Nishimoto, et al., Dept. of Musculoskeletal Onc., NHO Hokkaido Cancer Center S418
17:05 ~ ACL 2	17:40 Poster (Booth No. 9, Marine Messe Fukuoka Hall A) Moderator M. Nagashima
1-Po-471	Gender-related clinical outcome of anterior cruciate ligament reconstruction using bony patellar-tendon bone grafts in young patients
1-Po-472	
	Thomas Thanagawa, et an, Dept. of Granyp. Garg, Tonyo Micuical and Dentai Olliv. 1105p. 5417

1-Po-473	Comparison of clinical outcomes between a bone-patellar tendon-bone and quadriceps
	tendon-bone autografts in anatomic rectangular tunnel anterior cruciate
	ligament reconstruction
	Kazunori Shimomura, et al., Dept. of Rehab., Kansai Univ. of Welfare Sciences S420
1-Po-474	Comparison of clinical results of ACL reconstruction using a flat single bundle for over 40 and
	younger than 40
	Shimpei Kondo, et al., Dept. of Orthop. Surg., Kawaguchi Kogyo General HospS420
1-Po-475	Muscle strength recovery and clinical outcomes after anterior cruciate ligament reconstruction
	using quadriceps tendon autograft: Comparison with hamstring tendon autograft
1-Po-476	Comparison of knee muscle strength after anterior cruciate ligament reconstruction between
	quadriceps tendon autograft and hamstring tendon autograft
	Graduate School of Medical Sciences, Kanazawa Univ.··S421
17:05~	17:40 Poster (Booth No. 10, Marine Messe Fukuoka Hall A) Moderator N. Sato
Osteo	porosis: Evaluation 2
1-Po-477	Consideration of radial ultra distal bone density
1-Po-478	Comparative study of bone strength in female patients with distal radius fracture, including
	trabecular bone score
	······································
1-Po-479	A study of the correlation between hounsfield unit of the radius and bone mineral density
1-Po-480	Evaluation of proximal femur bone density in preoperative assessment using hounsfield units
1 D 401	
1-Po-481	Comparison of the bone strength in female patients with distal radius fractures using hounsfield unit values of the capitate
1-Po-482	CT vertebral hounsfield unit values as an indicator for osteoporosis treatment: An analysis in
1 10 102	cases of posterior lumbar interbody fusion
1-Po-483	Study on the mechanism of development of cortical bone porosity: A cross-sectional analysis in
	healthy subjects using HR-pQCT ····· Jin Ikenaga, et al., Dept. of Orthop. Surg.,
	Nagasaki Univ. Graduate School of Biomedical Sciences…S425
17:05~	17:40 Poster (Booth No. 11, Marine Messe Fukuoka Hall A) Moderator T. Imagama
Infecti	· · · · · · · · · · · · · · · · · · ·
1-Po-484	Intra soft tissue antibiotics perfusion for postoperative infection after medial open wedge high
1-10-404	tibial osteotomy
	Taro Yamashita, et al., Dept. of Orthop. Surg., National Defense Medical College HospS426
1-Po-485	The pharmacokinetics of gentamicin in CLAP
1 1 0 100	····· Yutaka Matsumiya, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine···S426
1-Po-486	Efficacy of continuous local antibiotic perfusion procedure for reverse shoulder arthroplasty
1-Po-487	Assessment of the effectiveness of early postoperative self-motion in septic PIP joint arthritis
	Yuhei Kotaki, et al., Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine S427
1-Po-488	Causes of amputation in patients with necrotizing fasciitis
	Rintaro Niki, et al., Dept. of Orthop. Surg., St. Marianna Univ. School of Medicine S428

1-Po-489	Ankle arthrodesis using Masquelet method: The effectiveness and the surgical technique
1-Po-490	
17:05 ~ Knee &	17:40 Poster (English) (Booth No. 12, Marine Messe Fukuoka Hall A) Moderator Y. Yamamoto & sport
1-Po-491	Regenerative tissue remodeling of a nude rat chondral defect model after transplantation of juvenile cartilage-derived chondrocyte sheets
1-Po-492	Musculoskeletal injuries in table tennis during competition: A systematic review
1-Po-493	Prolonged T1rho and T2 value early after ACLR is associated with 3-year postoperative MME and may associated with OA progression ······· Shotaro Watanabe, et al., Dept. of Orthop. Surg., Sports Medicine, Univ. of California, San Francisco, San Francisco, CA, USA···S431
1-Po-494	Outcomes of anterior cruciate reconstruction with full-thickness peroneus longus tendon autograft ······· <i>Tarun Goyal,</i> AIIMS Bathinda, India···S431
1-Po-495	Longer duration to ACL reconstruction can lead to increase progression of cartilage deterioration ····································
1-Po-496	ACL cross-sectional area can be predicted by measuring of the femoral intercondylar notch area
1-Po-497	Short socket anterior cruciate ligament reconstruction: A quantitative MR imaging analysis on graft maturation and tunnel dimensions ··············Dai Sato, et al., Dept. of Orthop. Surg.,  Faculty of Medicine and Graduate School of Medicine, Hokkaido Univ.···S433
17:50 ~ Thorac	18: 25 Poster (Booth No. 1, Marine Messe Fukuoka Hall B) Moderator H. Yasutake cic & lumbar spine
1-Po-498	Prospective observational study of polypharmacy of elderly patients with surgery for lumbar spinal canal stenosis ······················Sota Nagai, et al., Dept. of Orthop. Surg., Fujita Health Univ.···S434
1-Po-499	A comparative study of perioperative lumbar decompression surgery performed on patients on anticoagulant medications and patients without anticoagulant medications
1-Po-500	
1-Po-501	The characteristics of newly developing modic changes and their effects on low back pain following discectomy for lumbar disc herniation
1-Po-502	
1-Po-503	Association of central sensitization, visceral fat and surgical outcomes in lumbar spinal stenosis
1-Po-504	Clinical features and outcome of thoracic disc herniation presenting with myelopathy

Lumba	ar spinal fusion
1-Po-505	Effect of modic changes in preoperative MRI on early-onset adjacent segment disease after single level posterior lumbar interbody fusion
1-Po-506	Clinical results of lateral lumbar interbody fusion for lumbar restenosis and adjacent segment disease after posterior lumbar spine surgery
1-Po-507	Radiological follow-up after lateral lumbar interbody fusion with percutaneous pedicle screw insertion: How frequent is spontaneous facet joint fusion?
1-Po-508	Is preoperative total sagittal imbalance in posterior lumbar fusion related to poor postoperative performance?
1-Po-509	Does the anterior placement of the cages in posterior lumbar interbody fusion (PLIF) affect good lumber lordosis gain?
1-Po-510	
1-Po-511	Impact of diffuse idiopathic skeletal hyperostosis on surgical outcomes of posterior lumbar interbody fusion for lumbar spinal stenosis
	18: 25 Poster (Booth No. 3, Marine Messe Fukuoka Hall B) Moderator J. Nakase Imaging evaluation 2
1-Po-512	Usefulness of the nano scope as a diagnostic tool for knee joint disorders
1-Po-513	Evaluating the correlation between ultrasonographic patellar-tendon-trochlear groove distance (USPT-TG) and conventional CT-based knee lateralization measures
1-Po-514	Investigation of factors affecting the thickness of normal cartilage in the femur using ultrasonography
1-Po-515	Dynamics of medial meniscus extrusion in patient with medial meniscus posterior root tear during stair descent ····································
1-Po-516	The evaluation of dynamic ultrasound detects the dynamics of lateral meniscus extrusion in patient with discoid lateral meniscus
1-Po-517	Outcome of ultrasound-guided medial release for early-stage knee osteoarthritis
1-Po-518	Comparison of femoral articular cartilage thickness between normal, varus OA and valgus OA knees using ultrasonography

Moderator T. Iida

17:50 ~ 18:25 Poster (Booth No. 2, Marine Messe Fukuoka Hall B)

17:50~	18: 25 Poster (Booth No. 4, Marine Messe Fukuoka Hall B) Moderator Y. Saita
Knee:	Regenerative medicine
1-Po-519	Clinical study report on the safety and efficacy of spheroid adipose-derived stem cells transplantation for knee osteoarthritis ···································
1-Po-520	Comparative study of clinical outcome of intra-articular injection of autologous protein solution and leukocyte-poor PRP for osteoarthritis of the knee
1-Po-521	
1-Po-522	The effectiveness of leukocyte-poor platelet-rich plasma injections for symptomatic osteoarthritis of the knee: A prospective, randomized, double-blinded, placebo-controlled clinical trial
1-Po-523	Arthroscopic findings of autologous chondrocyte implantation with periosteum versus chondrogide ····································
1-Po-524	Clinical outcomes of atelocollagen-associated autologous chondrocyte implantation using collagen membrane compared to periosteum
1-Po-525	
17:50 ~	18: 25 Poster (Booth No. 5, Marine Messe Fukuoka Hall B) Complication 1 Moderator H. Kobayashi
IIIA. (	Complication 1 Nobayasin
1-Po-526	Changes of anatomical position of the femoral nerve and artery in the lateral and supine position ····································
	Dentistry, and Pharmaceutical Sciences, Okayama Univ. · · S450
1-Po-527	Anatomical study to avoid femoral nerve palsy in total hip arthroplasty: The prediction of femoral nerve using plane X-ray ····································
1-Po-528	Dentistry, and Pharmaceutical Sciences, Okayama Univ.···S450 A study of risk factors and its effect on walking ability at discharge for stem sinking after bipolar
	hemiarthroplasty
1-Po-529	Kana Vamada et al. Dent et Outhen Condei Medical Association Hean CAE1
1-Po-530	What are the risk factors for periprosthetic fractures in total hip arthroplasty for hips with rheumatoid arthritis? ······ <i>Reina Miyafusa</i> , <i>et al.</i> , Dept. of Orthop. Surg., Kyushu Univ. Hosp. ··· S451 Factors influencing subjective leg length difference after THA
1-Po-530 1-Po-531	What are the risk factors for periprosthetic fractures in total hip arthroplasty for hips with rheumatoid arthritis? · · · · · · · Reina Miyafusa, et al., Dept. of Orthop. Surg., Kyushu Univ. Hosp. · · · S451

17:50 ~ Hip fr	18:25 Poster (Booth No. 6, Marine Messe Fukuoka Hall B) acture: Prognosis	Moderator	T. Hoshi
1-Po-533	Prediction of walking ability at six months after hip fracture using blood to prospective study ····································	et al., Dept. of O	rthop.,
1-Po-534	Factors to maintain postoperative walking ability for hip fractures		
1-Po-535	Factors related to postoperative walking ability in proximal femoral fracture		Center…S455
1-Po-536	Comparison with general anesthesia and regional anesthesia about trocha for the elderly: A multicenter (TRON) retrospective analysis		
	Musculoskeletal and Cutaneous Surg., Program Graduate School of N		
1-Po-537	Mortality of proximal femur fractures in cancer patients comparing with n		
1-Po-538	Report of proximal femoral fracture with severe aortic stenosis <i>Takafumi Kitbori, et al.,</i> Dept. of Orthop. Surg., Miyazaki Me	dical Association	Hosp.···S456
1-Po-539	Clinical characteristics of patients with proximal femur fractures with a his bilateral surgery	story of	
	······Masatoshi Tomita, et al., Dept. of Orthop. Surg., Japanese Red Co	ross Hamamatsu	Hosp.···S457
17:50 ~ Carpa	18:25 Poster (Booth No. 7, Marine Messe Fukuoka Hall A) 1 tunnel syndrome 2	Moderator	N. Terada
1-Po-540	Characteristics of carpal tunnel patients with transthyretin amyloid deposit		J:-: C450
1-Po-541	Pathological classification of idiopathic carpal tunnel syndrome focusing of amyloid deposition in the synovium in the carpal tunnel	n transthyretin	
	······································		
1-Po-542	Characteristics of amyloid-positive cases in idiopathic carpal tunnel syndro	ome	
1-Po-543	Median nerve volume in carpal tunnel syndrome by three-dimensional Ml Takuya Funahashi, et al., Dept. of Orthop. Surg., Toyota Ro		Center…S459
1-Po-544	Trends in patient-reported outcome measures after carpal tunnel release	etropolitan Univ.	HospS460
1-Po-545	Assessment of NRS for numbness following carpal tunnel syndrome surge associated factors ····································	ery and its Dept. of Orthop	. Surg.,
1-Po-546	Differential diagnosis between carpal tunnel syndrome and cervical spond	lylosis	
17:50 ~ Tumor	18: 25 Poster (Booth No. 8, Marine Messe Fukuoka Hall A) :: Spinal tumors	Moderator	N. Asano
1-Po-547	Surgical outcomes of total excision for tumors of cervical spine		

1-Po-548	Primary high-grade sarcoma of the spine: Experience with 11 cases
1-Po-549	
	spinal metastasis surgery
1-Po-550	
1 1 0 330	past 32 Years ····································
	Graduate School of Medical Sciences, Kanazawa Univ.··S463
1-Po-551	Utility of preoperative nutritional status as a substitute for prognostic scoring in cases of
	palliative surgery for metastatic spinal tumors
	St. Marianna Univ. School of Medicine, Yokohama City Seibu Hosp.···S464
1-Po-552	Postoperative blood loss including hidden blood loss in minimally invasive spine stabilization for the treatment of metastatic spinal tumors
1-Po-553	Factors related to ambulation at the very end of life in patients with spinal metastasis
	······································
17:50 ~	- 18: 25 Poster (Booth No. 9, Marine Messe Fukuoka Hall A) Moderator K. Hagiwara
Sports	s: Knee 1
1-Po-554	The effect of meniscal repair on meniscal dimension in meniscal tear patients
	······ Takuya Kinoshita, et al., Dept. Orthop. Surg., Osaka Saiseikai Nakatsu Hosp. ··· S466
1-Po-555	Analysis of return to play after inside out meniscus repair
1-Po-556	Assessment of knee joint cartilage after open-wedge distal tuberosity osteotomy by second-look arthroscopy
1-Po-557	New effective conservative therapy for refractory patellar tendonosis synergistic effects of
	platelet rich plasma injections and extracorporeal shock wave therapy
1 D- FF0	
1-Po-558	Pin-point biological fixation with arthroscopy and navigation for juvenile OCD
1-Po-559	Anatomical factors and sports activity in patients with lateral patellar instability
1 10 555	Yuka Kimura, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine \$468
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17:50 ~ Osteo	Poster (Booth No. 10, Marine Messe Fukuoka Hall A) Moderator O. Tsuji porosis: Pharmacotherapy 2
1-Po-560	Verification of the effect of prior treatment with romosozumab on the efficacy of denosumab
1 10 000	
1-Po-561	The relationship between the effects of denosumab and bone turnover at baseline for the
	patients with osteoporosis ··· Yusuke Yamamoto, et al., Dept. of Orthop. Surg., Nakamura Hosp.···S469
1-Po-562	Does osteoporosis treatment affect renal function?
	······································
1-Po-563	Effect of denosumab on bone metabolism in hemodialysis patients with osteoporosis
	················Shota Okuda, et al., Dept. of Orthop. Surg., Yamagata Prefectural Shinjo Hosp.···S470
1-Po-564	Comparison of BMD changes and adverse events between zoledronic acid and denosumab in
	combination with active vitamin D for osteoporosis

1-Po-565	Effects of bisphosphonates and romosozumab on proximal femoral bone mineral density
1-Po-566	A comparative study of Ca concentration between natural vitamin D intake and active vitamin D intake by inducing zoledronic acid
17:50 ~	
Misce	llaneous 1
1-Po-567	Attempts at collaboration between medical institutions and osteopathic clinics
1-Po-568	Environment for traumatic paraplegics to return home
1-Po-569	Role and activities of clinical nurse practitioners in orthopaedic surgery practice
1-Po-570	Current status of task shifting to nurse practitioners in orthopaedic surgery and its effect
1-Po-571	Survey on sustainable development goals (SDGs) among orthopaedic implant manufacturers
1-Po-572	Current status of the orthopaedic industry with respect to disposal, recycling, and reduction of packaging materials for artificial joint products
1-Po-573	Changes in tissue transplant status in orthopaedic surgery: Comparing the results of the sixth and seventh surveys ··· Ken Urabe, et al., Dept. of Orthop. Surg., Kitasato Univ. Medical Center ··· S476
17:50 ~ TKA	Poster (English) (Booth No. 12, Marine Messe Fukuoka Hall A) Moderator S. Kuriyama
1-Po-574	The significance of the pelvic incidence measurement as a possible predictor of total knee arthroplasty outcome
1-Po-575	····· Yoshinori Okamoto, et al., Dept. of Orthop. Surg., Osaka Medical and Pharmaceutical Univ.···S477  Function of valgus knee is inferior to that of varus knee even after total knee arthroplasty:  Propensity matched cohort study
1-Po-576	Kohei Nishitani, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ S477  Clinical validation of siamese CNN-based approach for preoperative decision-making in component size for total knee replacement
1-Po-577	
1-Po-578	Comparison in efficacy of transdermal buprenorphine versus ketoprofen patches for postoperative analgesia in total knee arthroplasty: A randomised control trial
1-Po-579	······································

## 2nd Day May 24 Room 1

8:00 ~ :	9:20 Symposium 8 nent of spinal deformities: Current status and futur	Moderators M. Ito, A. Misawa
2-1-S8-1	Current situation and future prospects of school scolio	
2 1 50 1		
2-1-S8-2	Treatment for early onset scoliosis: Current problem a	
	······Taichi Tsuji, 1	Dept. of Orthop. Surg., Toyota Kosei HospS481
2-1-S8-3	Brace treatment for pediatric scoliosis: Report from re	
	Scoliosis Society · · · · Sa	
0.1.00.4		chool of Medical Sciences, Kanazawa Univ.···S482
2-1-S8-4	Current and future surgical treatments for adolescent Tsutomu Akazawa, et al., Dept. of Orthop. Su	
2-1-S8-5	Current status and future prospects of surgical treatme	
	······································	
2-1-S8-6	Evidence of exercise therapy for malalignment patient	s with lumbar kyphosis: JSSR
	project research ····································	
	Osaka Metro	opolitan Univ. Graduate School of Medicine…S483
9:35~	10:55 Symposium 9	Moderators H. Nakamura, S. Yamamoto
Physic	cians' work style reform and spine surgery	
2-1-S9-1	New work style for medical doctors	
2-1-S9-2	Effects of doctor work style reform on the community	
2-1-S9-3		
2 1 39 3	Spine surgeon's work style reforms in my university h	
		ous Surg., Program in Integrated Medicine,
		Graduate School of Medicine, Nagoya UnivS485
2-1-S9-4	Is this really the right way to work style reform for spi	
	emergency hospital · · · · · · · · Yasuo Ito, Dept. of Orth	
2-1-S9-5	The work style reform for orthopaedic surgeons: Pers	
	·····Tokumi Kanemura, et al.,	Dept. of Orthop. Surg., Konan Kosel HospS486
11:10~	- 12:10 Invited lecture 10	Moderator N. Kawahara
2-1-IL10-1	Pathogenesis of adult spinal deformity · · · · · · · · · · · · · · · · · · ·	······ Steven D. Glassman, Orthop. Surg.,
		lle School of Medicine, Louisville, KY, USA…S487
2-1-IL10-2	9	•
	Naobumi Hoso	gane, Dept. of Orthop. Surg., Kyorin Univ.···S487
12:40 ~	~ 13:50 Luncheon seminar 12	Moderator K. Nishida
2-1-LS12-1		
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		School of Medical Sciences, Kyushu Univ.···S488
2-1-LS12-2		
		ous Surg., Program in Integrated Medicine, Graduate School of Medicine, Nagoya UnivS48
	(	maduate school of Medicine, Nagoya Univ5488

14:05~	15:05 In	structional le	cture 21			Mode	rator H. Ta	kahashi
2-1-EL21	Full-endosc	opic spine surge	ery under lo	cal anesthes	sia: Current	status and persp	pectives	
						·· Koichi Sairyo,		hop.,
			Institute o	f Biomedica	l Sciences, 7	Tokushima Univ	. Graduate Scl	hool…S489
15:20~	16:40 Sy	mposium 10				Moderators	K. Chiba, N	I. Fujita
Future	perspectives	s on lumbar d	isc herniat	ion				•
2-1-S10-1	Trans-forar	ninal full endos	conic discec	tomy for lur	nhar disc he	rniation		
2 1 010 1						Yamashita, et al.	, Dept. of Ortl	nop.,
						Γokushima Univ		
2-1-S10-2	Current res	sults and perspe	ective of intr	a-discal inje	ction of cond	loliase for the tr	eatment for	
	lumbar in	tervertebral dis	sc herniation	$1 \cdots Tak$	ashi Hirai,	Dept. of Orthop	and Spinal S	urg.,
						, Tokyo Medica		Jniv.···S490
2-1-S10-3		=				rniated disc with		
	recombin	ant MMP-7 ····				aka Haro, Dept	=	
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2-1-310-4						isc nermation irg., Surgical Sci	ience Tokai I	Iniv\$491
2-1-S10-5		oral disc regene			_		iciice, Tokai e	JIIIV. 5431
						. of Tissue Bioch	hem., Osaka U	Jniv.···S492
16 · 55 ~	10 · 15 - 5	mnosium 11			Mode	rators H Ta	nojohi T Ko	nomiteo
16:55 ~ Innovat	•	mposium 11	y for spinal	instrumer		erators H. Tar gery: Navigatio		
	tion in assis	-						
Innovat	tion in assis	tive technology	vigation sur	gery	ntation surg		n and roboti	cs
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..... Eiji Sasaki, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine... \$497

Epidemiological study focusing on the etiology of early knee osteoarthritis

Advances in imaging diagnosis of early-stage knee osteoarthritis

Pathology and treatment of early osteoarthritis of the knee

2-2-S12-1

2-2-S12-2

2-2-S12-3		op. Surg., Kochi Medical School, Kochi Univ.···S498
2-2-S12-4		roshi Koga, et al., Div. of MSK Sci. for Frailty, duate School of Medical and Dental Sciences…S498
2-2-S12-5	Treatment of meniscus injuries in early knee osteoa	
2-2-S12-6	Knee osteotomy for early osteoarthritis	of Orthop. Surg., Hyogo College of Medicine…S499
11:10~	12:10 Instructional lecture 23	Moderator T. Majima
2-2-EL23	Challenges in improving TKA patient satisfaction Shuichi Matsuda, Dept. of Orthop. Surg	g., Graduate School of Medicine, Kyoto UnivS500
12:40 ~	13:50 Luncheon seminar 13	Moderator S. Matsuda
2-2-LS13	CPAK classification in Japan and personalized position	oning TKA using Mako system agawa, Dept. of Orthop. Surg., Teikyo UnivS501
14:05~	15:05 Invited lecture 11	Moderator H. Inui
2-2-IL11-1	- · · · · · · · · · · · · · · · · · · ·	OC, NDORMS, Univ. of Oxford, Oxford, UK···S502
2-2-IL11-2	Aiming for improved outcomes in Oxford UKA: Re of complications ······ <i>Takao Kodama</i> , Dept. of O	garding indication and prevention Orthop. Surg., JCHO Saitama Medical Center···S502
15 : 20 ~ TKA in	16:40 Symposium 13 n the era of robotic-assisted surgery (PROMs and	Moderators T. Nakagawa, Y. Niki alignment)
	the era of robotic-assisted surgery (PROMs and Clinical outcome of mechanical alignment total knew robotic-assisted solution	e arthroplasty with the VELYSTM
TKA in	the era of robotic-assisted surgery (PROMs and Clinical outcome of mechanical alignment total knew robotic-assisted solution	e arthroplasty with the VELYSTM and Sport Medicine, Kawasaki Med. School…S503
TKA in 2-2-S13-1	the era of robotic-assisted surgery (PROMs and Clinical outcome of mechanical alignment total knew robotic-assisted solution	e arthroplasty with the VELYSTM  and Sport Medicine, Kawasaki Med. School…S503  ashi, et al., Dept. of Orthop. Surg., Keio UnivS503  e arthroplasty
TKA in 2-2-S13-1 2-2-S13-2	clinical outcome of mechanical alignment total knew robotic-assisted solution	e arthroplasty with the VELYSTM  and Sport Medicine, Kawasaki Med. School···S503  ashi, et al., Dept. of Orthop. Surg., Keio Univ.···S503  e arthroplasty  l., Dept. of Orthop. Surg., Kobe Kaisei Hosp.···S504  alignment in total knee arthroplasty
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TKA in 2-2-S13-1 2-2-S13-2 2-2-S13-3 2-2-S13-4	Clinical outcome of mechanical alignment total kneed robotic-assisted solution	e arthroplasty with the VELYSTM  and Sport Medicine, Kawasaki Med. School…S503  sshi, et al., Dept. of Orthop. Surg., Keio UnivS503  e arthroplasty  l., Dept. of Orthop. Surg., Kobe Kaisei HospS504  alignment in total knee arthroplasty  l., Dept. of Orthop. Surg., Fujita Health UnivS504  ermining the characteristics of
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2-2-S13-1  2-2-S13-2 2-2-S13-3  2-2-S13-4  2-2-S13-5  16:55 ~ Recons	Clinical outcome of mechanical alignment total kneed robotic-assisted solution	e arthroplasty with the VELYSTM  and Sport Medicine, Kawasaki Med. School···S503  ashi, et al., Dept. of Orthop. Surg., Keio Univ.···S503  e arthroplasty  l., Dept. of Orthop. Surg., Kobe Kaisei Hosp.···S504  alignment in total knee arthroplasty  l., Dept. of Orthop. Surg., Fujita Health Univ.··S504  ermining the characteristics of of Orthop. Surg., Saitama Cooperative Hosp.···S505  Moderators T. Sato, K. Harato  mechanics in knee surgeries  na, et al., Dept. of Orthop. Surg., Kyoto Univ.···S506  nt during the stance phase of walking
TKA in  2-2-S13-1  2-2-S13-2  2-2-S13-3  2-2-S13-4  2-2-S13-5  16:55 ~ Recons  2-2-S14-1	Clinical outcome of mechanical alignment total kneer robotic-assisted solution	e arthroplasty with the VELYSTM  and Sport Medicine, Kawasaki Med. School···S503  ashi, et al., Dept. of Orthop. Surg., Keio Univ.···S503  e arthroplasty  l., Dept. of Orthop. Surg., Kobe Kaisei Hosp.···S504  alignment in total knee arthroplasty  l., Dept. of Orthop. Surg., Fujita Health Univ.··S504  ermining the characteristics of of Orthop. Surg., Saitama Cooperative Hosp.···S505  Moderators T. Sato, K. Harato  mechanics in knee surgeries  ma, et al., Dept. of Orthop. Surg., Kyoto Univ.···S506

## 2nd Day May 24 Room 3

8:00 ~ 9 Indicati	: 20 Symposium 15 ons and limitations of hip arthroscopy	Moderators S. Uchida, A. Kanaji
2-3-S15-1	Hip arthroscopy to maximize the rehabilitation effect	
2-3-S15-2	Cam resection using a skip capsulotomy method that pre Comparison between intraportal capsulotomy and skip	eserved the iliofemoral ligament: capsulotomy method
2-3-S15-3	Hip arthroscopy for athletes · · · · · · · · · · · Hajime Utsun	
2-3-S15-4	What hip arthroscopy can do to prevent osteoarthritis? <i>Hideki Fujii, et al.</i> , Dept. of Orthop. Su	
2-3-S15-5	Clinical role and current limitation of computer assisted t	technology for hip arthroscopy
9:35 ~ 10 Evidence	0:55 Symposium 16 ce-based treatment for osteoarthritis of the hip: 3rd G	Moderators S. Mitani, N. Kaku Guideline
2-3-S16-1	Chapter 1: Epidemiology and natural course -Guidelines I	
2-3-S16-2	Essentials of changes in the guideline: Chapter 2. patholo	
2-3-S16-3	Chapter 3: 'Diagnosis' Key points of the revised guideline	e no Kajino, et al., Dept. of Orthop. Surg.,
2-3-S16-4	Graduate School Clinical practice guideline for the hip chapter 4: Conservation  **Hirosuke Endo, et al., Dept. of Bone and	
2-3-S16-5	Chapter 5: 'Joint preservation surgery' Key points of the Satosi	revised guideline
2-3-S16-6	Chapter 6: 'Total hip arthroplasty' Key points of the revis	sed guideline ao, et al., Dept. of Bone and Joint Surg.,
2-3-S16-7	Chapter 7: 'Femoroacetabular impingement (FAI)' Key p	
11:10~1	12:10 Instructional lecture 24	Moderator M. Takao
2-3-EL24	Mechanisms and countermeasures for operative complica	
	Graduate School	ol of Medical Sciences, Kanazawa Univ.···S516
12:40~1	13:50 Luncheon seminar 14	Moderator Y. Minoda

Use of a smartphone-based care platform in the perioperative management of primary knee

and hip arthroplasty ······ Kiyonori Mizuno, et al., Dept. of Orthop. Surg., Anshin Hosp. ··· S517

2-3-LS14-1

2-3-LS14-2	_	al transformation l			-			throplasty eneral HospS517
14:05~	15:05	Instructional	lecture 25			]	Moderator	K. Yamamoto
2-3-EL25		ionale and results					p. Surg., Fu	kuoka UnivS518
15:20 ~ Urgent		Symposium 1's for hip fracture		style refori		Moderator	rs T. Naka	mura, T. Noda
2-3-S17-1		ishment of an earl	_	_			ei Sakura C	itizen HospS519
2-3-S17-2		care of hip fracture			nue et al T	ent of Gen	Int Med I	izuka Hosp.···S519
2-3-S17-3	What t	to do? Early surge	ry & work sty	de reform: (	Orthopaedi	c surgery h	ospital	emori Hosp.···S520
2-3-S17-4	Hip fra	actures and works	yle reform in	public hosp	oitals			
2-3-S17-5	Reality	of early surgery i	or geriatric h	ip fracture a	and overtin	ne work at N	lagasaki	omiya Hosp.···S520
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				····Atsuhiro				, Keio Univ.···S521
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	13:50 Drug se	Luncheon seminar 15 lection strategy for neuropathic		Surg., Kyushu Uni  Moderator Y. ss of monotherapy	Matsumoto
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12:40 ~ 2-4-LS15 14:05 ~	13:50  Drug se	Luncheon seminar 15  lection strategy for neuropathic	Makoto Endo, Dept. of Orthop. See pain: Significance and usefulned Dept. of Pain Clinic and Anesthe	Moderator Y.  ss of monotherapy esia, Sasebo Kyos  Moderator I  ng periacetabular	Matsumoto y ai Hosp.···S531 H. Tsuchiya
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12: 40 ~ 2-4-LS15 14: 05 ~ 2-4-IL12-1 2-4-IL12-2 15: 20 ~ Local t 2-4-S21-1	13:50  Drug se	Luncheon seminar 15  lection strategy for neuropathic	Makoto Endo, Dept. of Orthop. See pain: Significance and usefulned Dept. of Pain Clinic and Anesther Dept. of Pain Clinic and Anesther Dept., Peking Univ. Peopestrategy for pelvic sarcomas amount of Fujiwara, Dept. of Orthop. Surface Moderators and Section 1988. Moderators and Section 1989. The Section 1989 of Control	Moderator Y.  ss of monotherapy esia, Sasebo Kyos  Moderator I  ng periacetabular  ble's Hosp., Beijing ong countries: Wh  rg., Okayama Uni  N. Yamamoto,  sarcomas of the tr	Matsumoto y ai Hosp.···S531 H. Tsuchiya g, China···S532 nat is an y. Hosp.···S532 T. Akiyama runk:
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2-4-S21-3	The current status of the surgical management of spinal or paraspinal malignant tumor				
2-4-S21-4	Current status and issues in surgical treatment of malignant bone and soft tissue tumors of the chest wall ··································				
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	2nd Day May 24 Room 5				
	2nd Day May 24 Room 5  : 20 Symposium 23 Moderators K. Takamatsu, K. Furushima				
Treatme	2nd Day May 24 Room 5  20 Symposium 23 Moderators K. Takamatsu, K. Furushima ent strategies for thoracic outlet syndrome  Surgical results of scalene muscle resection alone for thoracic outlet syndrome				
<b>Treatmo</b> 2-5-S23-1	2nd Day May 24 Room 5  20 Symposium 23 Moderators K. Takamatsu, K. Furushima ent strategies for thoracic outlet syndrome  Surgical results of scalene muscle resection alone for thoracic outlet syndrome				
2-5-S23-1 2-5-S23-2	2nd Day May 24 Room 5  20 Symposium 23 Moderators K. Takamatsu, K. Furushima ent strategies for thoracic outlet syndrome  Surgical results of scalene muscle resection alone for thoracic outlet syndrome				
2-5-S23-1 2-5-S23-2 2-5-S23-3	2nd Day May 24 Room 5  20 Symposium 23 Moderators K. Takamatsu, K. Furushima ent strategies for thoracic outlet syndrome  Surgical results of scalene muscle resection alone for thoracic outlet syndrome				
2-5-S23-1 2-5-S23-2 2-5-S23-3 2-5-S23-4	2nd Day May 24 Room 5  20 Symposium 23 Moderators K. Takamatsu, K. Furushima ent strategies for thoracic outlet syndrome  Surgical results of scalene muscle resection alone for thoracic outlet syndrome				
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2-5-S23-1 2-5-S23-2 2-5-S23-3 2-5-S23-4 2-5-S23-5	2nd Day May 24 Room 5  Surgical results of scalene muscle resection alone for thoracic outlet syndrome  Surgical results of scalene muscle resection alone for thoracic outlet syndrome				
2-5-S23-1 2-5-S23-2 2-5-S23-3 2-5-S23-4 2-5-S23-5	2nd Day May 24 Room 5  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic assisted infraclavicular approach for first rib resection in thoracic outlet syndrome  **Endoscopic surgery for thoracic outlet syndrome  **Indications of release of the scalene indications for release of the scalene muscles  **Endoscopic surgery for thoracic outlet syndrome  **Taku Suzuki, et al., Dept. of Orthop. Surg., Keio Univ. S52  **Surgical results of arthroscopically assisted transaxillary approach  **Toru Takahashi, et al., Keiyu Orthop. Hosp. S54  **Postoperative clinical outcome after combined surgery of transaxillary first rib resection with transcervical anterior and middle scalenectomy for compressive TOS  **Endoscopic Surg.**  **Neiver Takahashi, et al., Keiyu Orthop. Hosp. S54  **Out S55**  **Symposium 24**  **Moderators H. Ikegami, K. Kikugawa e shoulder arthroplasty: Indications and future perspectives  **Our strategy and outcomes of reverse shoulder arthroplasty  **Neiver Takahashi, et al., Upper Extremity Center of Joint Replacement and Endoscopic Surg.,				
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arthroscopic supraspinatus repair						
2-5-IL13-2		ese perspective of shoulder arth		··S545		
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		physiology of the disease: Part 2				
	•••••	·····Muneaki I	Shijima, Dept. of Medicine for Orthop. and Motor Organ, Juntendo Univ. Graduate School of Medicine			
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2-5-EL27-2			ukawa, et al., Dept. of Orthop. Surg., Marutamachi Hosp. arthroscopic superior capsule reconstruction using	5347		
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		erus fractures ······ Hidevuki Sasanum	a, et al., Dept. of Orthop. Surg., Jichi Medical Univ. Hosp.	···S550		
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2-5-S26-3			for the patients with shoulder instability Dept. of Orthop. Surg. Osaka Central HospS552
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8:00 ~ 9 Latest i	: 20 Symposium 27 insights and future persp	ectives for thumb carpon	Moderators O. Soejima, H. Sakano metacarpal joint arthritis
2-6-S27-1			o the first metacarpal osteotomy , Graduate School of Medicine, Chiba UnivS554
2-6-S27-2	How do the intermetacar trapeziometacarpal join	pal ligaments work in total t t arthritis?: A biomechanica	rapeziectomy and suspensionplasty for ll study
2-6-S27-3			et al., Dept. of Orthop. Surg., Otemae Hosp.···S554 fter arthrodesis of the thumb CM joint for
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	·····Yasur	nori Hattori, et al., Dept. of	Orthop. Surg., Ogori Daiichi General Hosp.···S556
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$9:35 \sim 10$ $2-6-IL14-1$	0:35 <b>Invited lecture</b> Innovations in the treatm	14 nent of wrist pathologies usi	Moderator Y. Abe
	0:35 Invited lecture  Innovations in the treatmEric Waga Distal radius fractures: 0	nent of wrist pathologies usiner, UE Center, Dept. of OrCurrent treatments and chal	Moderator Y. Abe ing arthroscopy thop. Surg., Emory Univ., Atlanta, GA, USA…S557
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2-6-IL14-1 2-6-IL14-2 10:50~	Innovations in the treatmEric Wage Distal radius fractures: CS  12: 10 Symposium 28 n of future wrist and elber	nent of wrist pathologies usiner, UE Center, Dept. of Or Current treatments and chalatoshi Ichihara, Dept. of Orow arthroplasty  the viewpoint of the history of	Moderator Y. Abe  ing arthroscopy thop. Surg., Emory Univ., Atlanta, GA, USAS557 llenges rthop. Surg., Juntendo Univ. Urayasu HospS557  Moderators N. Nakagawa, H. Ito  of kudo total elbow
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2-6-IL14-1 2-6-IL14-2  10:50 ~ Creation 2-6-S28-1 2-6-S28-2	Innovations in the treatm  Eric Wagn Distal radius fractures: 0  Symposium 28  n of future wrist and elber The future of TEA from t  Mitsuy Three-dimensional preop  Application of augmented  Asushi Te Development and clinical	nent of wrist pathologies usiner, UE Center, Dept. of Or Current treatments and challatoshi Ichihara, Dept. of Or ow arthroplasty  the viewpoint of the history of asu Iwasawa, et al., Dept. of erative planning for elbow a current with the planning for elbow at the reality technology in hand anji, et al., Dept. of Orthop. application of total wrist ar	Moderator Y. Abe  ing arthroscopy thop. Surg., Emory Univ., Atlanta, GA, USA···S557 llenges rthop. Surg., Juntendo Univ. Urayasu Hosp.···S557  Moderators N. Nakagawa, H. Ito  of kudo total elbow f Orthop. Surg., Sagamihara National Hosp.···S558 and wrist arthroplasty f al., Dept. of Orthop. Surg., Ogikubo Hosp.···S558 and elbow arthroplasty Surg., Japanese Red Cross Ashikaga Hosp.···S559 throplasty
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2-7-S34-4	The role of synovial stem cells in sports injuries, particularly meniscus injuries
2-7-S34-5	Role of cell sheet transplantation in sports injuries
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2-8-S35-2	The task of pediatric orthopaedics in scoliosis care in an aging society with a declining birthrate
2-8-S35-3	The way to live as a pediatric orthopaedic surgeon through this declining birthrate and aging society: Bone dysplasia
2-8-S35-4	Keita Okada, et al., Dept. of Orthop. Surg., The Univ. of Tokyo Hosp., The Univ. of Tokyo S585 Paralytic diseases Takeshi Kinjo, Dept. of Orthop. Ped. Surg., Okinawa Prefectural Nanbu Medical Center and Children's Medical Center S585
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10:50 ~ 1 2nd in the diseases	he series: "Tips orthopaedists should keep in mind for diagnosis of pediatric orthopaedic
2-8-S36-1	Diagnosis tips and initial management of congenital muscular torticollis
2-8-S36-2	Caution is warranted when observing abnormal gait in infants and toddlers, as it may sometimes be linked to serious illnesses ··· <i>Yohei Tomaru</i> , Chiba Child & Adult Orthop. Clinic···S588

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2-9-S41-3		atients with progressive collapsing foot deformity			
2-9-S41-4	Flat foot with forefoot and midfoot contractures: Diagnosis and treatment				
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