The 54th Annual Musculoskeletal Tumor Meeting of the Japanese Orthopaedic Association

Held in Hiroshima, July 15 and 16, 2021 Congress President, Shoji Shimose Kure Medical Center and Chugoku Cancer Center

1st Day July 15 Room 1

9:00~9:	15 Opening ceremony	Congress President	Shoji Shimose
9:15~10	: 15 Special lecture 1	Moderator	H. Yoshikawa
1-1-SL01-1	PMDA's efforts to promote medical innovation Yasuhiro Fujiwara, Pharmac	euticals and Medical Devi	ces Agency…S1239
10:30 ~ 13	1:30 Invited lecture 1	Mode	rator A. Kawai
1-1-IL01-1	Targeting rare diseases: Lessons from tenosynovial gian John H. Healey, Memorial Sloan Kettering		k, NY, USA…S1239
13:15~14	· ·	Moderators H. Kawar	no, H. Tsuchiya
Current	situation and issues of cancer-related problems in lo	ocomotive organs 1	
1-1-SY01-1	Activities of daily living and quality of life in cancer patie	itation Medicine, Faculty o	f Medicine, edical UnivS1240
1-1-SY01-2	The effect and limitation of multidisciplinary therapy for Kenichiro Ke		
1-1-SY01-3	Establishment of system for prevention of cancer locomEiji Nakata, et al., Science of Fun Okayan		
1-1-SY01-4	Current status and issues of locomotive syndrome in car	ncer patients	
1-1-SY01-5	Future perspective of locomotive syndrome in cancer pa Jungo Imanishi, et al.	ntients	
15:00 ~ 10	6:30 Symposium 2	Moderators A. Ka	awai, K. Tanaka
Indicatio	on and limitation of anti-cancer agents 1		ŕ
1-1-SY02-1	Indications and limitations of drug therapy for malignan		ncer Center···S1243
1-1-SY02-2	Drug therapy for soft tissue sarcomas ······ Makot	 -	thop. Surg.,
1-1-SY02-3	Drug treatment for desmoid	of Rehabilitation, Nagoya	Univ. HospS1244
1-1-SY02-4	Clinical feature of tenosynovial giant cell tumor and futuAkihiko Takeuchi, et al., Dept.	are prospect of medical trea	atment

1-1-SY02-5 Present limitations and future expectations of a cancer genomic profiling test in musculoskeletal oncology Hiroshi Kobayashi, Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo... \$1245 1-1-SY02-6 Development of cancer immunotherapy for bone and soft tissue tumors National Cancer Center Hosp.···S1245 1st Day July 15 Room 2

10:30 ~ 1 Treatme	11:20 Main program 1 Ment of metastatic bone tumor: Spine, etc.	oderators H. Morioka, Y. Matsumoto
1-2-M01-1	Statistics of metastatic bone tumor in Japan: Report from Registry in Japan · · · · · · · · · · · · · · · · · · ·	
1-2-M01-2	How can we reduce the number of emergency surgeries f by bone metastasis? ···············Shingo Sato, et a Graduate School of Medical and Dental Science	., Dept. of Orthop. and Spinal Surg.,
1-2-M01-3	Study of patients with emergency surgery for spinal paral cancer board ············Ichiro Baba, et al., Dept. of O	_
1-2-M01-4	Efficiency of liaison treatment for metastatic spinal tumor	
1-2-M01-5	Prophylactic effect of liaison treatment on the occurrence metastatic spinal tumours ······· Yasukazu Hijikat	of skeletal-related events in
1-2-M01-6	Our effort to bring our patients with bone metastasis back palliative treatment ····································	ž - *
11:50~1	3:00 Luncheon seminar 1	Moderator A. Kido
1-2-LS01-1	A multidisciplinary approach to bone metastasis and the	
1-2-LS01-1 13:15~1	Robert Nakayama	
	4: 15 Invited lecture 2 Functional and oncologic outcome of limb salvage surger bone tumors of the proximal femur	Moderator T. Ueda y with tumor prosthesis for malignant
13: 15 ~ 1 1-2-IL02-1 14: 30 ~ 1	4:15 Invited lecture 2 Functional and oncologic outcome of limb salvage surger bone tumors of the proximal femur ····································	Moderator T. Ueda with tumor prosthesis for malignant Chun, et al., Dept. of Orthop. Surg., ine, Kyung Hee Univ., Seoul, Korea ···S1249 Moderators T. Akisue, H. Futani
13: 15 ~ 1 1-2-IL02-1 14: 30 ~ 1	Functional and oncologic outcome of limb salvage surger bone tumors of the proximal femur ····································	Moderator T. Ueda with tumor prosthesis for malignant Chun, et al., Dept. of Orthop. Surg., ine, Kyung Hee Univ., Seoul, Korea S1249 Moderators T. Akisue, H. Futani amor: Diagnosis etc. iated with soft tissue tumors
13:15 ~ 1 1-2-IL02-1 14:30 ~ 1 Applicat	Functional and oncologic outcome of limb salvage surger bone tumors of the proximal femur ····································	Moderator T. Ueda y with tumor prosthesis for malignant Chun, et al., Dept. of Orthop. Surg., ine, Kyung Hee Univ., Seoul, Korea ···S1249 Moderators T. Akisue, H. Futani amor: Diagnosis etc. iated with soft tissue tumors natani, et al., Dept. of Orthop. Surg., Univ. Graduate School of Medicine···S1250 by artificial intelligence
13: 15 ~ 1 1-2-IL02-1 14: 30 ~ 1 Applicat 1-2-M02-1	Functional and oncologic outcome of limb salvage surger bone tumors of the proximal femur	Moderator T. Ueda with tumor prosthesis for malignant Chun, et al., Dept. of Orthop. Surg., ine, Kyung Hee Univ., Seoul, Korea ···S1249 Moderators T. Akisue, H. Futani amor: Diagnosis etc. iated with soft tissue tumors matani, et al., Dept. of Orthop. Surg., v Univ. Graduate School of Medicine···S1250 by artificial intelligence Orthop. Surg., Okayama City Hosp.···S1250 susing deep learning

1-2-M02-5	Cancer genomic medicine for sarcoma	
1-2-M02-6	The immune-microenvironment correlates wit	nce of Functional Recovery and Reconstruction, Okayama Univ. Graduate School of Medicine…S1252 th infiltrative growth pattern in soft tissue inki Funauchi, et al., Dept. of Orthop. Oncology, Cancer Institute Hosp. of JFCR…S1252
15:30~1	6:40 Afternoon seminar 1	Moderator T. Takagi
1-2-AS01-1		al reconstruction in bone and soft tissue tumor thiro Asanuma, Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine…S1253
16:50 ~ 1		Moderators A. Ogose, T. Yonemoto
Multidis	ciplinary treatment of recurrent tumor	
1-2-M03-1	Benefit of surgical resection of distant metasta Katsunari Yamashita, et al., Dept. of Ortl	sis from soft tissue sarcoma nop. Surg., Osaka International Cancer Institute…S1254
1-2-M03-2	Results of multidisciplinary management of re Hiroshi Hatano, et al., Dept	current truncal soft-tissue sarcoma . of Orthop. Surg., Niigata Cancer Center Hosp.···S1254
1-2-M03-3	Clinical outcomes of the patients with recurren	
	·····Taketsugu	Fujibuchi, et al., Dept. of Bone and Joint Surg.,
1-2-M03-4	Efficacy of gemcitabine and docetaxel for patie	Ehime Univ. Graduate School of Medicine…S1255 ents with relapsed osteosarcoma
		urg., Graduate School of Medicine, Osaka Univ.···S1255
1-2-M03-5	Outcomes in patients with recurrent Ewing sa	rcoma
		rg., Graduate School of Medicine, Nagoya Univ.···S1256
	1st Day July 1	5 Room 3
10:30~1	1:30 Educational lecture 1	Moderator T. Yamamoto
1-3-EL01-1		er era: Locomotive syndrome in cancer patients vano, et al., Dept. of Orthop. Surg., Teikyo Univ.···S1257
11:50~1	3:00 Luncheon seminar 2	Moderator H. Hiraga
1-3-LS02-1	Current status of diagnosis, treatment develop	oment, and education in soft tissue sarcomas
		f Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1257
13:15~1		f Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1257
13:15 ~ 1 Indication		f Musculoskeletal Oncology and Rehabilitation,
	4:05 Main program 4	f Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1257 Moderators K. Ae, S. Tsukushi
Indication	4:05 Main program 4 on and limitation of chemotherapy The experience of using topotecan and cyclopl treatment of malignant bone tumor	f Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1257 Moderators K. Ae, S. Tsukushi
Indication	4:05 Main program 4 on and limitation of chemotherapy The experience of using topotecan and cyclople treatment of malignant bone tumor	f Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1257 Moderators K. Ae, S. Tsukushi nosphamide combination therapy for the

1-3-M04-4	Effectiveness of peripheral blood markers in selecting novel soft tissue sarcoma ·······Eijiro Shima Graduate School of	
1-3-M04-5	Risk factor of neutrophil nadir in patients receiving chemothe	erapy for soft tissue sarcoma
1-3-M04-6	Clinical results of carbon-ion radiotherapy with chemotherapy and soft tissue tumor	y for primary malignant bone
14:50~1		
	15:30 Main program 5situation and issues of treatment of pediatric bone and s	Moderators T. Takagi, K. Honoki oft tissue tumor
1-3-M05-1	Biochemical analysis of fluid in long bone cyst · · · · · · · · · · · · · · · · · · ·	······Manabu Hoshi, et al.,
1.0 1/05 0		niv. Graduate School of Medicine…S1261
1-3-M05-2	Therapeutic difficulties in juvenile chondroblastoma: A multic	
1-3-M05-3	Quality of life and functional results for adolescent and young	
	osteosarcoma ················Natsuko Fukuoka, et al., Depi	
1-3-M05-4	Perioperative chemotherapy with ifosfamide and carboplatin osteosarcoma ····································	
		luate School of Medical Sciences···S1262
1-3-M05-5	Practice and issues of advance care planning for childhood, a	
	generations with sarcomas ········Kanya Honol	ki, et al., Dept. of Orthop. Oncol., Nara Medical Univ.···S1263
$15:40\sim1$	16:40 Educational lecture 2	Moderator H. Kawashima
4 0 57 00 4		
1-3-EL02-1	Basic knowledge of cancer genomic medicine and current cl musculoskeletal tumors Takao Hinoi, Dept. of Clinical and Molecular	
16:50 ~ 1	musculoskeletal tumors	
	musculoskeletal tumors	Genetics, Hiroshima Univ. Hosp.···S1264 Moderator T. Ishii
16:50 ~ 1	musculoskeletal tumors	Genetics, Hiroshima Univ. Hosp.···S1264 Moderator T. Ishii ne tumors
16:50 ~ 1	musculoskeletal tumors	Genetics, Hiroshima Univ. Hosp.···S1264 Moderator T. Ishii ne tumors
16:50 ~ 1	musculoskeletal tumors	Genetics, Hiroshima Univ. HospS1264 Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol.,
16:50 ~ 1	musculoskeletal tumors	Genetics, Hiroshima Univ. HospS1264 Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol.,
16:50 ~ 1	musculoskeletal tumors	Genetics, Hiroshima Univ. HospS1264 Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol.,
16:50 ~ 1 1-3-EL03-1	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and
16:50 ~ 1 1-3-EL03-1 10:30 ~ 1	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and wa, et al., Dept. of Orthop. Surg.,
16:50 ~ 1 1-3-EL03-1 10:30 ~ 1 1-4-E01-1	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and wa, et al., Dept. of Orthop. Surg., edical Sciences, Kanazawa Univ.···S1265
16:50 ~ 1 1-3-EL03-1 10:30 ~ 1	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and wa, et al., Dept. of Orthop. Surg., edical Sciences, Kanazawa Univ.···S1265 chondrosarcoma: JMOG study
16:50 ~ 1 1-3-EL03-1 10:30 ~ 1 1-4-E01-1	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and wa, et al., Dept. of Orthop. Surg., edical Sciences, Kanazawa Univ.···S1265 chondrosarcoma: JMOG study D. Surg., Nagoya Memorial Hosp.···S1265
16:50 ~ 1 1-3-EL03-1 10:30 ~ 1 1-4-E01-1 1-4-E01-2	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and wa, et al., Dept. of Orthop. Surg., edical Sciences, Kanazawa Univ.···S1265 chondrosarcoma: JMOG study b. Surg., Nagoya Memorial Hosp.···S1265 ative soft tissue sarcomas? etal Oncology and Rehabilitation,
16:50 ~ 1 1-3-EL03-1 10:30 ~ 1 1-4-E01-1 1-4-E01-2 1-4-E01-3	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and wa, et al., Dept. of Orthop. Surg., edical Sciences, Kanazawa Univ.···S1265 chondrosarcoma: JMOG study b. Surg., Nagoya Memorial Hosp.···S1265 ative soft tissue sarcomas? etal Oncology and Rehabilitation, National Cancer Center Hosp.···S1266
16:50 ~ 1 1-3-EL03-1 10:30 ~ 1 1-4-E01-1 1-4-E01-2	musculoskeletal tumors	Moderator T. Ishii ne tumors Oda, Dept. of Anatomic Pathol., Medical Sciences, Kyushu Univ.···S1264 Moderator U. Anazawa etween enchondroma and wa, et al., Dept. of Orthop. Surg., edical Sciences, Kanazawa Univ.···S1265 chondrosarcoma: JMOG study D. Surg., Nagoya Memorial Hosp.···S1265 ative soft tissue sarcomas? etal Oncology and Rehabilitation, National Cancer Center Hosp.···S1266 a patients with metastatic lesions

11:50 ~ 1	3:00	Luncheon seminar 3	Moderator	J. Toguchida
1-4-LS03-1		mic medicine in sarcomaYoichi Naito, I	Pept. of Experimental Therapeutics/Medical O	ncology/
		Genera	l Internal Medicine, National Cancer Center H	osp. East···S1267
15:00 ~ 1	5:40	Excellent program 2	Moderator	S. Sugihara
1-4-E02-1	46 case	es of intra-abdominal desmoid-ty	pe fibromatosis	
1-4-E02-2	Dediffe	erentiation in low grade osteosar	Dept. of Musculoskeletal Oncology and Rehal National Cancer Centroma: A Japanese Musculoskeletal Oncology (ter HospS1268 Group
	multi-	-institutional study ·····		
1-4-E02-3		of dose intensity of chemotherap t of JMOG study	by for bone sarcomas in elderly patients: An int	•
1-4-E02-4		Akihito Nagano, et al., Dept. of on of fusion genes in sarcoma u	Orthop. Surg., Graduate School of Medicine, C sing oncogene panel	Gifu Univ.···S1269
			al., Science of Functional Recovery and Recons Okayama Univ. Graduate School of I	
1-4-E02-5			e in ALK fusion gene-positive lung cancer patic Ryuichi Fukuda, et al., Dept. of Ortho Graduate School of Medicine, Hokka	op. Surg.,
15:50 ~ 1 Treatme		Main program 6 lvic malignant tumor	Moderators T. Kunisada	a, T. Akiyama
1-4-M06-1			Evaluation from the perspective of perioperative Masanori Saito, et al., Dept. of Orthop. C Cancer Institute Hosp	Oncology,
1-4-M06-2			lucing blood loss in pelvic tumor resection	op. Surg.,
1-4-M06-3			ur reconstruction for pelvic Ewing sarcoma? al., Science of Functional Recovery and Reconstruction Okayama Univ. Graduate School of I	struction,
1-4-M06-4			ery versus carbon-ion radiotherapy in maligna ······ <i>Katsuhiro Hayashi, et al.</i> , Dept. of Ortho	nt pelvic op. Surg.,
1-4-M06-5			Graduate School of Medical Sciences, Kanaza adiotherapy for malignant pelvic bone tumor uo Fujita, et al., Dept. of Orthop., Hyogo Cance	
1-4-M06-6	Functi	onal outcomes after resection fo		
16:50 ~ 1 Interven		Main program 7 or improving limb function in	Moderators S. Ab bone and soft tissue tumor	e, H. Katagiri
1-4-M07-1		se shoulder arthroplasty after re		
1-4-M07-2	Revers	se shoulder arthroplasty for the	ta, et al., Dept. of Orthop. Surg., Saitama Cancereconstruction after wide resection of proximal of Orthop. Surg., Tokushima Central Prefectu	l humeral

1-4-M07-3	Treatment algorithm for abdominal wall desmoid: Significance of function-preserving R1 surgery ················ Yoshihiro Nishida, et al., Dept. of Rehabilitation, Nagoya Univ. Hosp.···S1275
1-4-M07-4	Quality of life and functional outcomes after carbon ion radiotherapy for unresectable bone and soft tissue sarcomas ···················Shuichiro Komatsu, et al., Dept. of Rad. Onc., Graduate School of Medicine, Gunma Univ.··S1275
1-4-M07-5	Risk factors and treatment of lymphedema after surgery for soft tissue sarcoma of the lower extremities ···········Masayuki Morishita, et al., Hyogo Cancer Center ··· S1276
	2nd Day July 16 Room 1
9:00~10	: 30 Symposium 3 Moderators H. Sugiura, N. Yamamoto
Current	situation and issues of recycled bone autograft
2-1-SY03-1	Long-term outcomes of an extracorporeal irradiated autograft for limb salvage operations in musculoskeletal tumours ····································
2-1-SY03-2	Clinical outcomes of lower limb reconstruction with recycle bone-graft for malignant musculoskeletal tumor ····································
2-1-SY03-3	Long-term outcomes of heat-treated autograft reconstruction after resection for malignant bone and soft tissue tumors ····································
2-1-SY03-4	Outcome and management of limb-salvage surgery with pasteurized bone graft
2-1-SY03-5	Optimal bone fixation of devitalized bone graft: Learning from pseudoarthrosis cases
2-1-SY03-6	Joint sparing surgery using recycled tumor bearing auto graft for bone and soft tissue sarcoma ······ Michihito Miyagi, et al., Dept. of Orthop. Oncology, Shizuoka Cancer Center ··· S1279
10:40~1	1:40 Invited lecture 3 Moderator Y. Oda
2-1-IL03-1	Updates on soft tissue tumours from the 2020 World Health Organization Classification Khin Thway, Consultant Pathologist, Sarcoma Unit, The Royal Marsden Hosp., London, UK/Div. of Molecular Pathology, The Institute of Cancer Research, London, UKS1280
13:20~1	4:20 Special lecture 2 Moderator S. Shimose
2-1-SL02-1	Scientific capabilities of Japanese universities: The current situation
	2nd Day July 16 Room 2
9:00 ~ 9: Treatme	50 Main program 8 Moderators T. Goto, T. Torigoe nt of giant cell tumor of bone
	•
2-2-M08-1	Indication and method for internal fixation after bone cement packing for giant cell tumor of bone ····································
2-2-M08-2	Surgical treatment for giant cell tumor of bone in the proximal femur remains challenging
	······ Kenji Yamada, et al., Okazaki City Hosp.···S1281

2-2-M08-4		narker for treatment by denosumab in GCTB: Prediction unostaining with β -catenin · · · · · · · · Atsushi Kimu Graduate School of	
2-2-M08-5	Denos	umab monotherapy for unresectable/recurrent giant of	, •
0.0.1400.0		·····Naofumi Asano, et al., I	
2-2-M08-6		erative denosumab therapy increases the risk of local rafter curettage · · · · · · · · · Naofumi Asano, et al., I	
10:40 ~ 11	: 40	Symposium 4	Moderators H. Hiraga, T. Hiruma
		imitation of anti-cancer agents 2	0 /
2-2-SY04-1		al outcome of pazopanib for advanced osteosarcoma	
2-2-SY04-2			
2 2 3104 2		oma ······ Satoshi Tsukushi, et al., Dept. of O	
2-2-SY04-3		w drugs contribute to improving survival in patients w	
	•••••	····· Tomoki Nakamura, et al	., Dept. of Musculoskeletal Surg., niv. Graduate School of Medicine…S1285
2-2-SY04-4	Does	the adverse effect of preoperative chemotherapy influe	
	tissı	ie sarcoma?: JCOG0304S3 ·····	
		Dept. of Musculoskeletal Oncology and Rehabilitation	on, National Cancer Center Hosp.···S1285
11:55 ~ 13	3:05	Luncheon seminar 4	Moderator Y. Nishida
2-2-LS04-1 2-2-LS04-2	and The p	e of drug therapy for advanced soft tissue sarcoma: Es second-line therapies ····································	oto Endo, Dept. of Orthop. Surg., f Medical Sciences, Kyushu Univ.···S1286
		2nd Day July 16 Room 3	
9:00~10	: 00	Educational lecture 4	Moderator T. Ozaki
2-3-EL04-1		al practice guidelines on the diagnosis and treatment o	
10:10 ~ 11	: 10	Educational lecture 5	Moderator H. Tsuchiya
2-3-EL05-1		ition in clinical practice strategies for bone and soft tis	
11:55 ~ 13			
	3:05	Luncheon seminar 5	Moderator H. Kawano
2-3-LS05-1	Mediu	Luncheon seminar 5 Im to long term survival and post operative care of cur oprostheses in lower limb ······· Tab	rent production tumor
$2-3-LS05-1$ $14:30 \sim 15$	Mediu end	ım to long term survival and post operative care of cur	rent production tumor
	Mediu end 5:30	um to long term survival and post operative care of cur oprostheses in lower limb · · · · · · Tab	rent production tumor u Gokita, Saitama Cancer Center···S1288 Moderator A. Matsumine urbon ion therapy

15:40~1	6:40	Educational le	cture 7			Moderator J. Nishida
2-3-EL07-1		otherapy for bone r ·····Kanji Matsuu		Radiat. Onc	ol., Hiroshim	a City Hiroshima Citizens HospS1289
			2nd Day	July 16	Room 4	
10:10 ~ 1 Treatme		Main program etastatic bone tu		r/pelvis		Moderators N. Araki, Y. Yoshida
2-4-M09-1					<i>ia, et al.,</i> Dep	r surgically treated metastatic ot. of Musculoskeletal Oncology, Metropolitan Komagome HospS1290
2-4-M09-2		cal outcomes of me			he proximal i	
2-4-M09-3	Impac	t of pathological fe	moral fractu	re on progno Somoaki Tori	osis in metas goe, et al., De	tatic bone tumor cases ept. of Orthop. Oncol. and Surg., iv. International Medical Center…S1291
2-4-M09-4		ral bone metastase ······ <i>Hirohis</i>	•	-		cology, Shizuoka Cancer Center…S1291
2-4-M09-5	Surgio	cal outcomes of per	riacetabular	and proxim	al femur met	
11:00 ~ 1 Applicat		Main program advanced techno		e and soft	tissue tumo	Moderators T. Morii, T. Shirai r: Treatment
2-4-M10-1					Yoshitaka Ba	nant soft tissue tumors un, et al., Dept. of Orthop. Surg., iv. Graduate School of Medicine…S1293
2-4-M10-2				ificial diaphy	sis for metas	tatic humeral bone tumors Orthop. Surg., Univ. of Toyama…S1293
2-4-M10-3	The cl	linical outcome of	total femur re	eplacement:	A multicente	r study of Japanese ept. of Orthop. Surg., Keio UnivS1294
2-4-M10-4						cancer compound for malignant ta, et al., Dept. of Orthop. Surg., Yokohama City UnivS1294
2-4-M10-5						of boron neutron capture to, et al., Dept. of Orthop. Surg., Hyogo Cancer Center…S1295
11:55~1	3:05	Luncheon sem	inar 6			Moderator S. Tanaka
2-4-LS06-1		al management of	•			lacia iro Takeuchi, Toranomon HospS1296
14:40~1	6:10	Symposium 5			Mo	oderators Y. Yazawa, K. Tsuchiya

2-4-SY05-1 Investigation of potential risks for atypical femoral fractures in bone metastasis patients using bone modifying agents ··············· Takumi Kaku, et al., Dept. of Orthop. and Spinal Surg.,

Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ.···S1297

Current situation and issues of cancer-related problems in locomotive organs 2

2-4-SY05-2	The effect on survival time from restoring ambulation by surgical intervention for metastatic
	spinal tumor ·······Akira Iwata, et al., Dept. of Preventive and Metastatic Bone Tumor,
	Graduate School of Medicine, Hokkaido Univ.···S1297
2-4-SY05-3	Incidence of perioperative cancer locomotive syndrome and its risk factors in cancer patients
	without distant metastases ······· Yoshimi Katayama, et al., Dept. of Rehabilitation Medicine,
	Okayama Univ. Hosp.···S1298
2-4-SY05-4	Oncological practice in the orthopedic department of a general hospital
	······ Akira Ogose, et al., Uonuma Institute of Community Medicine,
	Niigata Univ. Medical and Dental Hosp.···S1298
2-4-SY05-5	Locomotive syndrome caused by cancer treatment

2nd Day July 16 Room 1

$16:50 \sim 17:00$ Closing ceremony

Free paper

Free pa	aper 1 Case report: Benign bone tumor
FP01-1	Osseous sarcoidosis of foot; A case report ············ Marie Uchino, et al., Dept. of Orthop. Surg.,
PP04 0	Tokyo Dental College Ichikawa General Hosp.···S1300
FP01-2	A case of osteoid osteoma in scapula ··· Masaru Tanabe, et al., Dept. of Orthop. Surg., Keio Univ.···S1300
FP01-3	A case of sciatic nerve palsy caused by popliteal artery pseudoaneurysm associated with distal
	femoral osteochondroma ······· Keisuke Ishikawa, et al., Dept. of Orthop. Surg., Tohoku Univ.···S1301
FP01-4	A giant osteochondroma protruding into thoracic cavity
FP01-5	A case of Muffucci syndrome with intrahepatic cholangiocarcinoma
FP01-6	Epithelioid hemagioma arising in the shaft of radius
	Tsukasa Mizuno, et al., Dept. of Orthop. Surg., Self-Defense Forces Central HospS1302
FP01-7	A case of pseudomyogenic hemangioendothelioma of bone in the left knee that was controlled
	with denosumab ······ Naohiro Shinohara, et al., Dept. of Bone and Joint Medicine,
	Graduate School of Medical and Dental Sciences, Kagoshima Univ.···S1303
FP01-8	Follicular dendritic cell sarcoma in the ilium: A case report ······ Yuki Matsumoto, et al.,
	Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General Hosp.···S1303
FP01-9	Extraarticular hip joint resection with SPO followed by secondary THA for osteosarcoma of the
	proximal femur treated ····································
	Fukushima Medical Univ.···S1304
FP01-10	The treatment of Ewing's sarcoma occurred the metacarpal bone of the index finger
	······· Tomohiko Ito , et al., Dept. of Orthop. Surg., Kindai Univ.···S1304
Free pa	aper 2 Case report: Benign soft tissue tumor
FP02-1	A rare case of carpal tunnel syndrome caused by nodular fasciitis
FP02-2	A case of lipomatosis considered to be Madelung's disease

FP02-3	Granular cell tumor in the palm: a case report with literature review
FP02-4	
FP02-5	Dept. of Orthop. Surg., Hiroshima Kyouritsu Hosp.···S1306 A case of large pilomatricoma over forearm
Free pa	aper 3 Case report: Malignant soft tissue tumor
FP03-1	BCOR-CCNB3 fusion positive sarcoma arising in the soft tissue of the foot
1105 1	
FP03-2	A case of left femoral soft tissue tumor
	Tomohisa Sakai, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ S1308
FP03-3	30 years process of extraosseous sarcoma of the neck: A case report
FP03-4	···· <i>Toshiyuki Ogata, et al.</i> , Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General Hosp.···S1309 A case of Trousseau's syndrome accompanied with pleomorphic leiomyosarcoma
1100 1	
	Niigata Univ. Graduate School of Medicine and Dental Sciences···S1309
FP03-5	Angiosarcoma of the popliteal artery mimicking popliteal artery aneurysm
	······ Toshihiko Ando, et al., Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo···S1310
FP03-6	An impact of multi-department collaboration for surgical treatment of skull bone invasion in
	epithelioid sarcoma ······· Masataka Motohashi, et al., Dept. of Orthop. and Spinal Surg.,
ED02 7	Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ.···S1310
FP03-7	Undifferentiated pleomorphic sarcoma of femur in a patient with neurofibromatosis Type 1 Yoshiki Shimokawa, et al., Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo S1311
FP03-8	Two cases of hemosiderotic fibrolipomatous tumor ····································
11000	Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1311
Free pa	aper 4 Epidemiology and Statistics
FP04-1	A clinical analysis of pathological fracture of limbs caused by benign tumor-like lesions in bone
FP04-2	Clinical characteristics and outcomes of osteochondroma patients ······ Koichi Nakamura, et al.,
	Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of MedicineS1312
FP04-3	Embolization was associated with higher rate of wound complication after pelvic malignant bone
	tumor surgery ······ Liuzhe Zhang, et al., Orthop. Surg.,
	Graduate School of Medicine, The Univ. of Tokyo…S1313
FP04-4	Prognostic factors of high-grade osteosarcoma: Analysis of 20 years data at a single center
FP04-5	in Japan ·············Akane Ariga, et al., Dept. of Orthop. Surg., Saitama Cancer Center···S1313 Brain metastasis in soft tissue sarcoma patients: Population based study of SEER database
1104 5	
FP04-6	Analysis of soft tissue sarcoma of the elbow: Report using the bone and soft tissue tumor registry
	in Japan ······ Makoto Emori, et al., Dept. of Orthop. Surg., Sapporo Medical Univ. ··· S1314
FP04-7	Clinical outcome and prognostic factors in patients with metastatic leiomyosarcoma
FP04-8	Incidence of malignant tumors in soft tissue mass ················Akira Ogose, et al.,
DD04.0	Uonuma Institute of Community Medicine, Niigata Univ. Medical and Dental Hosp.···S1315
FP04-9	The clinical feature of multicentric extra-abdominal desmoid tumors
FP04-10	Yusuke Minami, et al., Dept. of Orthop. Oncology, Cancer Institute Hosp. of JFCR. S1316 Neglected musculoskeletal tumor in a tertiary care hospital of South Sulawesi
110110	

FP04-11	
Free p	aper 5 Basic research
FP05-1	Molecular landscape of autocrine motility factor and its receptor expression in musculoskeletal tumors ············· Kosei Nakajima, et al., Veterinary Orthop. Surg., Okayama Univ. of Science ··· S1318
FP05-2	Immune landscape of T cell infiltration profile in musculoskeletal tumors
FP05-3	Identification of slow-cycling cells in Ewing sarcoma
FP05-4	Aberrant expression of skp2 leads p27 degrading and cell cycle progression in Ewing's sarcoma cells ······· Masanori Kawano, et al., Dept. of Orthop. Surg., Oita Univ.···S1319
FP05-5	Pterostilbene shows antitumor effect through tumor cell-selective mitochondria abrasion Shingo Kishi, et al., Dept. of Mol. Patho., Nara Medical Univ. S1320
FP05-6	Development of oncolytic virus incorporating tumor-suppressor microRNA
FP05-7	The impact of SHARPIN on prognosis and ferroptosis sensitivity in sarcoma
Free p	aper 6 Image diagnosis
FP06-1	A diagnostic pitfall in synovial osteochondromatosis of hip
FP06-2	Correlation of imaging studies to clinical and histological findings in patients with synovial chondromatosis ···································
FP06-3	MRI imaging features of myxoma
FP06-4	Imaging findings of NTRK-rearranged spindle cell neoplasm: A series of 6 cases
FP06-5	Retrospective analysis of FDG PET-CT for lipomatous tumor Hiromichi Oshiro, et al., Orthop. Surg., Graduate School of Medicine, Univ. of the RyukyusS1324
FP06-6	Applications of FDG PET in bone and soft-tissue tumors ····································
FP06-7	Prognostic significance of FDG-PET and the outcome in patients with retroperitonium sarcoma Toru Wakamatsu, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Osaka Univ S1325
FP06-8	Examination of usefulness and problems in ultrasonic diagnosis for 305 soft tissue tumors
FP06-9	Spinal metastases without pedicle signs on radiograph and their associated clinical and radiological features ····································
Free p	aper 7 Pathologic diagnosis
FP07-1	Clinicopathological study of Chondrosarcoma ····· Yosuke Susuki, et al., Dept. of Anatomic Pathol., Graduate School of Medical Sciences, Kyushu Univ.···S1327
FP07-2	The modification of Histone H3 influences the malignancy of myxoid liposarcoma
FP07-3	The National Survey on PEComa arising in bone and soft tissue (JMOG 053 study)

FP07-4	Expression analysis of immune checkpoint proteins, PD-L1, IDO, VISTA, CD47, CEACAM-1, in high grade soft tissue sarcoma ······· <i>Kunihiro Asanuma, et al.</i> , Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine ··· S1328
FP07-5	Morphological and genetical analysis of angiosarcoma ····································
FP07-6	MDM2-amplified soft tissue peripheral sarcomas without areas of well differentiated liposarcomaEisuke Kobayashi, et al., Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center HospS1329
Free p	paper 8 Diagnosis, etc.
FP08-1	Risk factor for recurrence of aneurysmal bone cyst
FP08-2	Soluble PD-L1 in bone and soft tissue tumors ····································
FP08-3	Diagnosis and treatment of Paget's disease of bone
FP08-4	Analysis of malignant lymphoma developed in soft tissue tumor
FP08-5	The features of superficial small size sarcoma; retrospective study comparing with benign tumors
FP08-6	Assessment of preoperative screening by D-dimer for venous thromboembolism in the malignant musculoskeletal tumor ····· Kenta Hayashida, et al., Dept. of Orthop. Surg., Yokohama City Univ. ··· S1332
Free p	paper 9 Radiotherapy/IVR
FP09-1	How much adjuvant radiotherapy has not been used for soft tissue sarcoma in Japan? Shintaro Iwata, et al., Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center HospS1333
FP09-2	Proton beam radiotherapy for unresectable bone and soft tissue sarcoma after more than 2 years of follow up ···································
FP09-3	Radiological assessment of re-ossification in patients with vertebral bone metastases after radiotherapy ······· <i>Munehisa Kito, et al.,</i> Dept. of Orthop. Surg., Shinshu Univ.···S1334
FP09-4	Preoperative embolization in resection of long bone metastasis
Free p	paper 10 Pharmacotherapy
FP10-1	Observation/medical treatment as first-line management has similar outcome to surgery in desmoid tumors ·············Akihito Kawai, et al., Dept. of Orthop. Surg., Nara Medical Univ.···S1335
FP10-2	A Phase II, multicenter, two-part, open-label study of pexidartinib for tenosynovial giant cell tumor in Japan ···································
FP10-3	Effectiveness of gabapentinoid for neuropathic pain caused by malignant bone and soft tissue tumors ······ Taketoshi Yasuda, et al., Dept. of Orthop. Surg., Univ. of Toyama···S1336
FP10-4	Severe mucosal injury caused by high-dose methotrexate for osteosarcoma
FP10-5	The progress after discontinuation of urine monitoring for ifosfamide. Shunsuke Hamada, et al. Dept. of Orthon Surg. Aichi Cancer Center: S1337

Clinical outcomes in patients treated with pazopanib as a first-line therapy for advanced soft tissue sarcomas ····································
Immunotherapy for sarcoma
Okayama Univ. Graduate School of Medicine…S1338
Efficacy of cancer gene panel test for sarcoma patients in our hospital
Current state and future tasks of cancer genomic medicine for sarcoma in our hospital
An updated analysis of the clinical efficacy and safety of entrectinib in NTRK fusion-positive sarcoma (encore) ····································
Sarcoma (encore) ····································
National Cancer Center Hosp. East."51559
per 11 Giant cell tumor of bone
Clinical outcome in patients with giant cell tumor at extremity
Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine…S1340
The treatment outcome of patients with giant cell tumor of bone ······ Toshiharu Shirai, et al.,
Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of MedicineS1340
A trial of intraoperative MRI for prevention of residual tumor of bone giant cell tumor
Graduate School of Biomedical Sciences, Hiroshima Univ.···S1341
Adjuvant denosumab therapy for giant cell tumor of bone
Drug therapy and malignant transformation for giant cell tumor of bone
An evaluation of oral bisphosphonate therapy for giant cell tumor of bone
Giant cell tumor of bone in patients 65 years and older
Clinical features of giant cell tumor of the bone in elderly patients
per 12 Surgical treatment: Benign
Outcome of curettage for bone tumor of proximal femur using anterior cortical fenestration by
anterolateral approach · · · · · · · · · · · · · · · · · · ·
Tohoku Univ. Graduate School of Medicine…S1344
Clinical results of curettage and artificial bone graft for bone tumors
·····Jun Iwatsu, et al., Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine···S1344
Clinical outcomes of fibrous dysplasia at our hospital
Naohiro Yasuda, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Osaka UnivS1345
Clinical features of 92 cases of multinodular plexiform schwannoma
Surgical outcome and complications for schwannoma originated in brachial plexus Takashi Noguchi, et al., Dept. of Orthop. Surg., Kyoto Univ. Hosp.···S1346
Local recurrence of intramuscular lipoma

FP12-7	Long term follow-up of chronic osteomyelitis after bone tumor resection
	······································
	Nagoya City Univ., Graduate School of Medical Sciences···S1347
Free pa	aper 13 Surgical treatment: Malignant bone tumor
FP13-1	Outcome of the treatment of dedifferentiated chondrosarcoma in Tokai university hospital
FP13-2	Does primary tumor resection of metastatic spinal osseous neoplasms improve the survival?
	Graduate School of Medicine, Hokkaido Univ.···S1348
FP13-3	Short-term clinical outcomes of newly designed KMLS cementless stem: The Japanese
	Musculoskeletal Oncology Group study ·······Satoshi Tsukushi, et al., Dept. of Orthop. Surg.,
	Aichi Cancer Center Hosp.···S1349
FP13-4	Long-term functional outcome of limb-sparing surgery for pediatric bone sarcoma around the
	knee: A multicenter study ····· Tetsuya Sekita, et al., Dept. of Orthop. Surg., Keio Univ. ··· S1349
FP13-5	Clinical outcome of chest wall resection and reconstruction in the cases of musculoskeletal tumor
	surgery ····· Takuya Watanabe, et al., Dept. of Orthop. Surg., Tokai Univ. ··· S1350
FP13-6	Clinical outcome for malignant bone tumor using total knee prosthetic reconstruction
	······ Testuya Hamada, et al., Dept. of Orthop. Surg., Kurume Univ.···S1350
Free pa	aper 14 Surgical treatment: Malignant soft tissue tumor
FP14-1	Clinical outcome of marginal resection for extremity and superficial trunkal ALT/WDL
	······································
FP14-2	Preoperative histological diagnosis can decrease the local recurrence rate in atypical lipomatous
	tumor ····· Seiichi Matsumoto, et al., Dept. of Orthop. Oncology, Cancer Institute Hosp. of JFCR···S1351
FP14-3	Clinical features of secondary dedifferentiated chondrosarcoma
FP14-4	The clinical outcomes and prognostic factors of the soft tissue sarcoma patients after unplanned
	excision ····· Toshiyuki Takemori, et al., Dept. of Orthop. Surg.,
	Kobe Univ. Graduate School of Medicine…S1352
FP14-5	Impact of unplanned excision for superficial high grade soft tissue sarcomas
	Shusa Ohshika, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine \$1353
FP14-6	Examination of factors for unplanned excision of soft tissue sarcomas
FP14-7	Outcome of treatment for sarcoma occurring in the forearm
	······ Toshiaki Hata, et al., Science of Functional Recovery and Reconstruction,
	Okayama Univ. Graduate School of Medicine…S1354
FP14-8	Clinical results soft tissue sarcoma of the thigh by the site
DD14.0	
FP14-9	Treatment results of total knee arthroplasty reconstruction for soft tissue sarcoma cases around
ED14 10	the knee joint · · · · · · · · · · · · · · · · · · ·
FP14-10	The outcome of surgically treated soft-tissue sarcoma in elderly patients
FP14-11	Treatment for soft tissue sarcoma with metastasis at first visit
1114 11	
From	aper 15 Surgical treatment: Bone and soft tissue tumor
FP15-1	Clinical outcomes of flap reconstructions in patients with sarcoma
	······································

FP15-2	Clinical outcomes for patients with leiomyosarcoma: A historical cohort study from a hospital-based cancer registry ······· Masanori Okamoto, et al., Dept. of Orthop. Surg., Shinshu Univ. ··· S1357
FP15-3	Postoperative outcome after proximal tibial replacement for malignant bone and soft tissue tumors
FP15-4	Surgical outcomes of major vascular resection in bone and soft tissue tumor of the extremities
DD4 = =	Graduate School of Medical Sciences, Kanazawa Univ.···S1358
FP15-5	Outcome of treatment for bone and soft tissue tumors around the elbow
FP15-6	
1115 0	patients ····································
	Graduate School of Medicine, Hokkaido Univ.···S1359
FP15-7	Hybrid operation room: Clinical applications for musculoskeletal tumor
Free p	aper 16 Surgical treatment: Metastatic bone tumor
FP16-1	Study of optimum surgical procedure and prognostic factor for cases of pathological fracture from
	long bone metastasis ···································
	Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ.···S1361
FP16-2	A study on the selection of surgical techniques for bone metastases of the femur
	······ Hidenao Tanaka, et al., Dept. of Orthop. Surg.,
	Graduate School of Medical Sciences, Kyushu Univ.···S1361
FP16-3	Usefulness of polypropylene mesh in proximal femoral replacement for metastatic bone tumors
FP16-4	Surgical outcomes of femur metastasis of cancer patients
FP16-5	Twenty-six cases of surgical treatment for pathological fracture of humerus at our hospital
Free p	aper 17 Metastatic tumor
FP17-1	Identification of associated microRNAs in bone destruction by breast cancer metastasis
	····· Kazumichi Kitayama, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine···S1364
FP17-2	Analysis of risk factors for pathological fracture affected by osteoblastic metastasis of prostate
	cancer ········ Hajime Rikitake, et al., Dept. of Orthop. Surg., National Defense Medical College ··· S1364
FP17-3	Clinical outcomes of denosmab in advanced cancers with bone metastases
ED17 4	········ Yasunori Tome, et al., Orthop. Surg., Graduate School of Medicine, Univ. of the Ryukyus···S1365
FP17-4	Clinical features in 21 patients with soft tissue metastasis of carcinoma ······· Sei Morinaga, et al., Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kanazawa Univ.··S1365
FP17-5	Clinical results of metastatic soft tissue tumor
1111 0	
FP17-6	Clinical course of bone metastasis from head and neck cancers
Free p	aper 18 Cancer-related problems in locomotive organs
FP18-1	Cancer locomotive syndrome in patients with bone metastasis
FP18-2	Investigation of effectiveness and problems of bone metastasis conference in our hospital
	························Aki Matsumoto, et al., Dept. of Rehab., Tochigi Cancer Center···S1367

FP18-3	Clinical features of Type II and Type III locomotive syndrome of cancer patients
	Rumi Nakagawa, et al., Dept. of Bone and Soft Tissue Oncology, Tochigi Cancer CenterS1368
FP18-4	The role of orthopaedic surgery on bone metastasis treatment
FP18-5	Changes in patients and clinical outcomes of bone metastases and effects of cancer boards at our
	hospital · · · · · · · · · · · · · · · · · · ·
	Tokyo Dental College Ichikawa General Hosp.···S1369
FP18-6	The registration system for bone metastatic cases
FP18-7	What do primary clinical departments refer the patients with bone metastatic tumor to our
	orthopaedics? · · · · · · · · · Hironori Sugimoto, et al., Dept. of Orthop. Surg., Nara Medical Univ. · · S1370
FP18-8	Current situations and future prospects for cancer locomotive at Fukui university hospital
	Takaaki Tanaka, et al., Dept. of Orthop. and Rehabilitation Medicine, The Univ. of Fukui \$1370
Free 1	paper 19 Miscellaneous
FP19-1	Clinical practice guidelines on retroperitoneal sarcoma in Japan ·············Shintaro Iwata, et al.,
	Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1371
FP19-2	Impact of NICE guidelines on the survival of patients with soft tissue sarcomas
	Okayama Univ. Graduate School of Medicine…S1371
FP19-3	The benefit of cooperation with the nurse received the particular training for wound after
	resection of sarcoma ······ Hiromi Sasaki, et al., Dept. of Orthop. Surg.,
	Graduate School of Medical and Dental Sciences, Kagoshima Univ.···S1372
FP19-4	The impact of sarcopenia on treatment for malignant bone and soft tissue tumor
	····· Yoshitaka Ban, et al., Dept. of Orthop. Surg., Osaka City Univ. Graduate School of Medicine S1372
FP19-5	Evaluation of short-term prognostic indicators in end-stage sarcoma patients
	Niigata Univ. Graduate School of Medicine and Dental SciencesS1373
FP19-6	Factors affecting artificial limb walking ability in transfemoral amputated patients
	Tohoku Univ. Graduate School of MedicineS1373
FP19-7	What has changed and what has not changed in bone and soft tissue tumor care with Coronavirus
	disaster? ····· Yoshitaka Ban, et al., Dept. of Orthop. Surg.,
	Osaka City Univ. Graduate School of Medicine…S1374
	Poster
Poste	r 1 Case report: Benign soft tissue tumor
P01-1	A case of multiple neurinoma showing the chromosomal insertion (12;2) (q24.3;q21q31)
P01-2	Tumor-induced osteomalacia: A case report
P01-3	Tumor-induced osteomalacia causing by a phosphaturic mesenchymal tumor of the foot: A case
	report ····· <i>Takaaki Nakai, et al.</i> , Dept. of Orthop. Surg., Osaka National Hosp. ··· S1376
P01-4	Multiple subungual glomus tumor in patient with neurofibromatosis type 1: A case report with
	literature review ······· Takafumi Ohshima, et al., Dept. of Orthop. Surg., Sapporo Medical Univ. ··· S1376
P01-5	A case of lipofibromatosis of the ankle · · · · · Jun Nishio, et al., Dept. of Orthop. Surg., Fukuoka Univ. · · S1377

P01-6	A case of ischemic fasciitis over the greater trochanter that required differential diagnosis from
	malignant tumor ····· Shinsuke Sugihara, et al.,
	National Hosp. Organization Shikoku Cancer Center…S1377
P01-7	A case report of the lipoma with lymphoid hyperplasia
P01-8	Aggressive angiomyxoma of the thigh that is difficult to diagnose
	······································
P01-9	Aneurysms should always be kept in mind as a differentiation of soft tissue tumor
Poste	r 2 Case report: Benign bone tumor
P02-1	A case of SAPHO syndrome which needed differentiation with the bone tumor
	Ehime Univ. Graduate School of Medicine…S1380
P02-2	A case report of scurvy in which a biopsy was performed because a malignant bone tumor
	(Ewing's sarcoma) was suspected ············ Yoshinori Takemura, et al., Dept. of Orthop. Surg.,
	Shiga Univ. of Medical Science…S1380
P02-3	Epithelioid hemangioma of humerus; report of a case ····································
1020	Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General HospS1381
P02-4	Tumor-induced osteomalacia due to a tumor in the diaphysis of the right femur with
102 4	multiple fragile fractures ······· Dai Ohira, et al., Dept. of Orthop. Surg., Kochi Medical School···S1381
P02-5	Intramedullary osteoid osteoma in the humerus of a 2-year-old boy
FU2=3	
D00 C	
P02-6	Proximal phalanx osteoid osteoma in an elderly woman: A case report
P02-7	Osteoid osteoma of the second metatarsal bone treated by CT guidance operation: A case report
	······································
P02-8	A case of intraosseous schwannoma of the navicular
P02-9	A case of giant cell tumor of bone harboring H3F3A gene G34L mutation
P02-10	Fracture management of pediatric polyostotic fibrous dysplasia; A case report
P02-11	Total en bloc spondylectomy for huge chondromyxoid fibroma of the lumbar spine in combined
	approaches: A case report ······ Koichi Okajima, et al., Dept. of Musculoskeletal Oncology,
	Tokyo Metropolitan Komagome Hosp.···S1385
P02-12	A case of distal femoral myelolipoma mimicking osteosarcoma
Poste	r 3 Case report: Malignant bone tumor and metastatic tumor
P03-1	Introduced outcomodullary Fraing Corooms of corrigal oning Coco conoct
105 1	Intradural extramedullary Ewing Sarcoma of cervical spine: Case report
D00 0	
P03-2	A case of dedifferented extraskeletal myxoid chondrosarcoma occurs in an oldest-old woman
D00 0	
P03-3	A case of BCOR-CCNB3 sarcoma of the femur ····································
	Dept. of Orthop. Oncol. and Surg., Saitama Medical Univ. International Medical Center ··· S1387
P03-4	A case of chondrosarcoma that recurred 30 years later ····································
	Dept. of Orthop. Surg., National Hosp. Organization Kyushu Cancer Center…S1387

P03-6 Total en bloc spondylectomy for thoracic spinal metastasis in a pediatric PEComa patient: A case report	P03-5	Reconstruction with modified turn-up plasty for high grade sarcoma of proximal lower extremity Naoto Oebisu, et al., Dept. of Orthop. Surg., Osaka City Univ. Graduate School of Medicine \$1388
P03-7 A case report of a rare solitary bone metastasis from primary angiosarcoma of the bilateral breasts	P03-6	
P03-7 A case report of a rare solitary bone metastasis from primary angiosarcoma of the bilateral breasts		A case report ····································
P03-8 Cardiac metastases of sarcoma — Takuto Itano, et al., Dept. of Orthop. Surg., Okayama City Hosp.—S13 P03-9 A rare case of sciatic nerve pain caused by perineural invasion of prostate cancer ————————————————————————————————————	P03-7	
P03-8 Cardiac metastases of sarcoma Takuto Itano, et al., Dept. of Orthop. Surg., Okayama City Hosp S13 P03-9 A rare case of sciatic nerve pain caused by perineural invasion of prostate cancer Shunsuke Katsumi, et al., Dept. of Orthop. Surg., The Jikei Univ. School of Medicine S13 P03-10 Anterior chest wall reconstruction after resection of a sternal tumor with a single mandibular plate and Gore-Tex sheet Akio Sakamoto, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Kyoto Univ S13 P04-1 Pericytic neoplasm in the shoulder of a child with a novel DERAGLI1 gene fusion: A case report		the bilateral breasts
P03-9 A rare case of sciatic nerve pain caused by perineural invasion of prostate cancer		Katrina Ysabel R. Naraval, et al., St. Luke's Medical Center, Quezon City, Philippines S1389
P03-10 Anterior chest wall reconstruction after resection of a sternal tumor with a single mandibular plate and Gore-Tex sheet		Cardiac metastases of sarcoma ··· Takuto Itano, et al., Dept. of Orthop. Surg., Okayama City Hosp. ··· S1389
P03-10 Anterior chest wall reconstruction after resection of a sternal tumor with a single mandibular plate and Gore-Tex sheet	P03-9	
plate and Gore-Tex sheet	D00 40	
Poster 4 Case report: Malignant soft tissue tumor Po4-1 Pericytic neoplasm in the shoulder of a child with a novel DERA-GLI1 gene fusion: A case report	P03-10	
Poster 4 Case report: Malignant soft tissue tumor P04-1 Pericytic neoplasm in the shoulder of a child with a novel DERA-GLI1 gene fusion: A case report		
P04-1 Pericytic neoplasm in the shoulder of a child with a novel DERA-GLI1 gene fusion: A case report	Poste	
P04-2 A case of high-grade soft tissue sarcoma of the pelvic region treated with heavy ion therapy using absorbable spacer	D04 1	2 2
P04-2 A case of high-grade soft tissue sarcoma of the pelvic region treated with heavy ion therapy using absorbable spacer	P04-1	
absorbable spacer	P04-2	
P04-3 A case of wide excision with in situ preparation for malignant soft tissue tumor adjacent to blood vessel without biopsy	1012	
vessel without biopsy	P04-3	
P04-4 Multiple surgeries for recurrent myxofibrosarcoma after carbon ion radiotherapy: A case report		
National Hosp. Organization Osaka National Hosp. S13 P04-5 A case of giant inguinal hernia associated with dedifferentiated liposarcoma		Osaka City Univ. Graduate School of Medicine…S1392
National Hosp. Organization Osaka National Hosp. S13 P04-5 A case of giant inguinal hernia associated with dedifferentiated liposarcoma "Jun Sugaya, et al., National Cancer Center Hosp." S13 P04-6 A rare case of granulocyte-colony stimulating factor-producing dedifferentiated liposarcoma of the thigh "Yoshikazu Tanzawa, et al., Dept. of Orthop. Surg., Tokai Univ." S13 P04-7 Tumor lysis syndrome due to eribulin administration for metastatic undifferentiated pleomorphic sarcoma of the buttock "Hiroyuki Tsuchie, et al., Dept. of Orthop. Surg., Akita Univ." S13 P04-8 The functional evaluations of soft tissue sarcoma patients after resection of sciatic nerve "Masanori Tsugita, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Gifu Univ." S13 P04-9 Decision support by oncology certified nurse specialists: A case of soft tissue sarcoma that required amputation "Shinobu Uto, et al., Dept. of Nursing., Keio Univ. Hosp." S13 Poster 5 Epidemiology and statistics P05-1 Primary malignant osseous neoplasms in hand: Population based study of SEER database "Shota Ike, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Hokkaido Univ." S13 P05-2 Clinical outcome of the patients with UPS/MFH "Teruya Kawamoto, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine" S13 P05-3 Clinical outcome of soft tissue sarcoma patients over 90 years old "Masato Sugawara, et al., Dept. of Orthop. Surg., Yamagata Univ." S13	P04-4	
P04-5 A case of giant inguinal hernia associated with dedifferentiated liposarcoma		····· Ikuo Kudawara, et al., Dept. of Orthop. Surg.,
P04-6 A rare case of granulocyte-colony stimulating factor-producing dedifferentiated liposarcoma of the thigh		National Hosp. Organization Osaka National Hosp. ··· S1392
P04-6 A rare case of granulocyte-colony stimulating factor-producing dedifferentiated liposarcoma of the thigh	P04-5	
thigh	D04 6	
 P04-7 Tumor lysis syndrome due to eribulin administration for metastatic undifferentiated pleomorphic sarcoma of the buttock	P04-6	
sarcoma of the buttock	P04-7	
P04-8 The functional evaluations of soft tissue sarcoma patients after resection of sciatic nerve	104 /	
Poster 5 Epidemiology and statistics Po5-1 Primary malignant osseous neoplasms in hand: Population based study of SEER database	P04-8	
 P04-9 Decision support by oncology certified nurse specialists: A case of soft tissue sarcoma that required amputation		
Poster 5 Epidemiology and statistics Poster 5 Epidemiology and statistics Primary malignant osseous neoplasms in hand: Population based study of SEER database	P04-9	
P05-1 Primary malignant osseous neoplasms in hand: Population based study of SEER database		required amputation ······ Shinobu Uto, et al., Dept. of Nursing., Keio Univ. Hosp. ··· S1395
 Shota Ike, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Hokkaido Univ.···S13 Clinical outcome of the patients with UPS/MFH Teruya Kawamoto, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine···S13 Clinical outcome of soft tissue sarcoma patients over 90 years old Masato Sugawara, et al., Dept. of Orthop. Surg., Yamagata Univ.··S13 	Poste	r 5 Epidemiology and statistics
P05-2 Clinical outcome of the patients with UPS/MFH Teruya Kawamoto, et al., Dept. of Orthop. Surg., Kobe Univ. Graduate School of MedicineS13 P05-3 Clinical outcome of soft tissue sarcoma patients over 90 years old Masato Sugawara, et al., Dept. of Orthop. Surg., Yamagata UnivS13	P05-1	Primary malignant osseous neoplasms in hand: Population based study of SEER database
P05-3 Clinical outcome of soft tissue sarcoma patients over 90 years old		······Shota Ike, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Hokkaido Univ.···S1396
P05–3 Clinical outcome of soft tissue sarcoma patients over 90 years old	P05-2	
	P05-3	ė į
PUD=4 Treatment results of dedifferentiated liposarcoma at our hospital	DOE 4	
	P05-4	
P05–5 Clinical outcome of bone metastasis in breast cancer according to expression of hormone receptor	P05-5	
	100 0	and HER-2 gene ··································

Poster 6 Basic research: Malignant bone tumor	
P06-1	Development of novel therapeutic agents targeting redox regulation in osteosarcoma
P06-2	Trabectedin suppresses osteosarcoma pulmonary metastasis in a mouse tumor xenograft model
	······· Masahiro Inoue, et al., Dept. of Orthop. Surg., National Defense Medical College ··· S1399
P06-3	High efficacy of recombinant methioninase combined with cisplatin on osteosarcoma cell line and
	orthotopic mouse model ······ Kentaro Igarashi, et al., Dept. of Orthop. Surg.,
	Graduate School of Medical Sciences, Kanazawa Univ.···S1400
P06-4	Effect of combination therapy with tumour ablation and intratumoural OK-432 injection in the rat
	osteosarcoma model······ <i>Tadashi Iwai, et al.</i> , Dept. of Orthop. Surg.,
	Osaka City Univ. Graduate School of Medicine…S1400
P06-5	Antitumor effect of combination use of autophagy inhibitor and HSP inhibitor on KH cells
P06-6	Mutant IDH1 triggers oncogene-induced senescence in normoxia ······· Takeshi Kamakura, et al.,
	Dept. of Tissue Regeneration, Institute for Frontier Life and Medical Sciences, Kyoto Univ. · · · S1401
P06-7	Dual role of S-adenosyl methionine in bone tumor cells
P06-8	Risk assessment for pathological fracture after bone tumor biopsy
	······ Tadashi Iwai, et al., Dept. of Orthop. Surg., Osaka City Univ. Graduate School of Medicine ··· S1402
P06-9	HMGB1 involves drug-resistance of osteosarcoma cells through mitochondria transfer from
	mesenchymal stem cells ······· Rika Sasaki, et al., Dept. of Mol. Patho., Nara Medical Univ.···S1403
Poste	er 7 Basic research: Malignant soft tissue tumor
P07-1	Establishment of novel synovial sarcoma cell lines and identifying new candidate drugs
	·······Ryuto Tsuchiya, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Chiba Univ.···S1404
P07-2	Anticancer effect of RapaLink-1 on UPS cell
P07-3	Eribulin improves synovial sarcoma hypoxia by increasing tumor vasculature and perfusion
	······Eiko Taguchi, et al., Dept. of Orthop. Surg., National Defense Medical College ··· S1405
P07-4	Skp2 depletion reduces tumor-initiating properties and promotes apoptosis in synovial sarcoma
Poste	er 8 Image diagnosis
P08-1	Magnetic resonance imaging features of epidermoid cyst
P08-2	Investigation of schwannomas originating from fingers
P08-3	Acral calcified angioleiomyoma: four rare causes of entirely calcified angioleiomyoma
	······································
P08-4	Is Galant classification valid for soft tissue tumors less than 3 cm?
	······ Ryuta Iwanaga, et al., Dept. of Orthop. Surg., Yamaguchi Univ. Graduate School of Medicine···S1407
P08-5	FDG-PET in the detection of lung lesions in malignant bone and soft tissue tumors
	Graduate School of Medical Sciences - Kanazawa Univ\$1408

Poste	er 9 Pathologic diagnosis
P09-1	Clinicopathological presentations and definition for malignancy of myoepithelial tumors: A 17 case analysis ···································
P09-2	3 cases of malignant transformation of giant cell tumor of bone
P09-3	Clinicopathological characterization of secondary malignant giant cell tumor of bone
P09-4	The correlation between tumor-associated macrophages and malignancy in osteosarcoma
P09-5	Characterizing of metastatic bone and soft tissue tumor of unknown primary cancer diagnosed with a biopsy ····································
Poste	er 10 Diagnosis, etc.
P10-1	Three cases of angiofibroma of soft tissue · · · · · · Daiki Fujita, et al., Cancer Institute Hosp. of JFCR···S1412
P10-2	The clinical significance of needle biopsy for soft tissue sarcoma
	···· Tomohito Hagi, et al., Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine ··· S1412
P10-3	Development of error detection technology and actual errors in FFPE specimens: How reliable is
	clinical sequencing? · · · · · · Masachika Ikegami, et al., Orthop. Surg.,
	Graduate School of Medicine, The Univ. of Tokyo…S1413
P10-4	Clinical significance of sIL-2 receptor levels in the initial diagnosis of musculoskeletal tumor
	······ Takashi Tajima, et al., Dept. of Orthop. Surg., Kyorin Univ.···S1413
Poste	er 11 Radiotherapy/pharmacotherapy
P11-1	Percutaneous CT-guided curettage and ablation for osteoid osteoma of the talus: A report of three
	cases ······· Satoshi Kamio, et al., Dept. of Orthop. Surg., Keio Univ.···S1414
P11-2	Palliative CyberKnife radiosurgery for spinal metastases of bone and soft tissue tumor
P11-3	Clinical features of radiation therapy for bone metastases
P11-4	Synergy effect of concomitant administration of radiation with eribulin against advanced soft tissue
	sarcoma patients ····································
P11-5	Tolerability of VAC regimen for adult rhabdomyosarcoma: An analysis of three patients
Poste	er 12 Surgical treatment: Benign
P12-1	Clinical outcome of steroid injection therapy for simple bone cyst of proximal humerus
P12-2	Two cases of benign bone and soft tissue tumor of acetabulum operated by pararectus approach
P12-3	Two cases of intramuscular myopericytoma in the quadriceps femoris muscle with substantial pain
	and muscular atrophy ····································
	Tokyo Medical Univ. Hosp.···S1418
P12-4	Anatomical specific difficulty associated the remaining ligament in minimally invasive resection of
	subcutaneous lipoma······Akio Sakamoto, et al., Dept. of Orthop. Surg.,
	Graduate School of Medicine, Kyoto Univ.··S1418
P12-5	Clinicopathological characteristics of the patients with schwannoma who chose surgical treatment
	······ Takahiro Tajino, Southern Tohoku Fukushima Hosp.···S1419

Poste	13 Surgical treatment: Malignant
P13-1	Low-grade myofibroblastic sarcoma of the levator scapulae muscle: A case report and literature review
	Graduate School of Medical Sciences, Kanazawa Univ.···S1420
P13-2	Clinical feature of extrapleural solitary fibrous tumor
P13-3	Examination of ligament reconstruction method after extensive resection of malignant tumor of the elbow ····································
P13-4	The definitive surgery for soft tissue sarcoma in department of orthopedic surgery and others
P13-5	Comparative study of unplanned and planned excision for malignant soft tissue tumor Atsushi Mihara, et al., Dept. of Orthop. Surg., Yamaguchi Univ. Graduate School of Medicine \$1422
P13-6	Clinical outcomes in patients with recurrent soft tissue sarcoma ·············Keisuke Yoshida, et al., Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine···S1422
P13-7	Impact of acridine orange in patients with local recurrence soft tissue sarcoma
	······································
P13-8	Development of nomograms to predict sarcoma-specific death and disease progression after
	surgery for chondrosarcoma ·······················Yusuke Tsuda, et al., Orthop. Surg.,
D10 0	Graduate School of Medicine, The Univ. of Tokyo…S1423
P13-9	The outcome of pulmonary metastasectomy from high-grade bone and soft tissue sarcomas.
	······································
P13-10	Surgical treatment of sacral metastases: Complications and results
Poste	r 14 Rehabilitation
P14-1	Factors associated with physical function after surgery in patients with soft tissue sarcoma
	······ Takuya Fukushima, et al., Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1425
P14-2	Postoperative functional transition for soft tissue sarcoma in the posterior compartment of the thigh
	······································
P14-3	Difficulty in activities of daily living at discharge after the resection of lower extremity soft tissue tumor ····································
P14-4	Longitudinal changes of residual muscles after wide resection for soft-tissue sarcomas of the thigh Naoki Takada, et al., Dept. of Orthop. Surg., Osaka City Univ. Graduate School of Medicine \$1426
P14-5	Atypical femoral fractures after receiving bone modifying agents in cancerpatients with bone metastases ···································
P14-6	Locomotive syndrome of cancer patients: Survey of postoperative gynecologic cancer patients about pain and QOL ···································
Poste	r 15 Miscellaneous
P15-1	Primary osteosarcoma in super-elderly patients over 75 years of age: A series of 8 cases and review
	of the literature · · · · · · · Yoshihiro Araki, et al., Dept. of Orthop. Surg., Kanazawa Red Cross Hosp. · · · S1428
P15-2	Clinical features of myxoinflammatory fibroblastic sarcoma: case series and review of the literature
P15-3	Duration of bone union in patients with atypical femur fractures using bone-modifying agents for bone metastasis ······ Daiichiro Takahara, et al., Dept. of Orthop. Surg., Yamagata Univ. ··· S1429

P15-4 Survey of surgery-related complications for malignant bone and soft tissue tumors using Dindo-Clavien complication grade · · · · · · · · Toru Udaka, et al., Dept. of Orthop. Surg., Kyorin Univ. · · S1429