

- 1-P3-PS13-5 The analysis of humeral osteosarcoma activity using apparent diffusion coefficient measurement of MRI
 *T. Tanaka, et al.*, Dept. of Orthop., Osaka International Cancer Institute...S1440

2nd Day July 12 Room 1

9 : 30~11 : 00 Symposium 3 **Moderators K. Tsuchiya, T. Ueda**
Management of soft tissue tumors – Current status and future action including other medical sections

- 2-1-S3-1 Diagnosis and treatment for soft tissue tumors in Japan, current situation and problems
 *K. Tsuchiya*, Dept. of Orthop. Surg., Toho Univ...S1441
- 2-1-S3-2 Management of soft tissue tumor from the viewpoint of dermatologists
 *Y. Nakamura*, Dept. of Skin Oncology/Dermatology, Saitama Medical Univ. International Medical Center...S1441
- 2-1-S3-3 Guideline for diagnosis and management of soft tissue tumor in departments of plastic surgery
 *I. Hashimoto, et al.*, Dept. of Plastic & Reconstr. Surg., Tokushima Univ. Graduate School...S1442
- 2-1-S3-4 Current situation of sarcoma treatment of our hospital: Collaboration with other department and issues
 *S. Nishimura, et al.*, Dept. of Orthop. Surg., Kindai Univ...S1442
- 2-1-S3-5 Establishment of in-hospital clinical network for patients with NF1 in Nagoya University Hospital
 *Y. Nishida, et al.*, Dept. of Rehabilitation, Nagoya Univ...S1443

11 : 10~12 : 10 Culture lecture **Moderators J. Mizuno, R. Imai**

- 2-1-CL-1 Seize the day *T. Tsukamoto*, Omiya Ardija
- 2-1-CL-2 Cheer for me and everybody else! *C. Sekine*

13 : 50~15 : 40 Symposium 4 **Moderators T. Torigoe, T. Akiyama**
Challenges to retroperitoneal liposarcoma

- 2-1-S4-1 Histopathology and differential diagnosis in retroperitoneal liposarcoma
 *K. Kohashi, et al.*, Dept. of Anatomic Pathol., Graduate School of Medical Sciences, Kyushu Univ...S1444
- 2-1-S4-2 Imaging of retroperitoneal liposarcoma
 *S. Hitachi, et al.*, Dept. of Diagnostic Radiology, Tohoku Univ. Hosp...S1444
- 2-1-S4-3 The role and outcomes of surgery for retroperitoneal liposarcoma
 *S. Tsukushi, et al.*, Dept. of Orthop. Surg., Aichi Cancer Center...S1445
- 2-1-S4-4 Surgical treatment of retroperitoneal liposarcoma
 *M. Komiyama*, Dept. of Urology, National Cancer Center Hosp...S1445
- 2-1-S4-5 Radiotherapy using photons, protons, or carbon ions for retroperitoneal sarcomas
 *Y. Demizu*, Dept. of Radiation Oncology, Kobe Proton Center...S1446
- 2-1-S4-6 The significance of systemic chemotherapy for retroperitoneal liposarcoma
 *A. Maejima*, Dept. of Urology, National Cancer Center Hosp...S1446

2nd Day July 12 Room 2

8 : 40~9 : 50 Morning seminar 1 **Moderator N. Endo**

- 2-2-MS1 Pain management with opioid therapy for cancer locomotive syndrome
 *S. Yamaguchi*, Dept. of Anesthesiology, Dokkyo Medical Univ...S1447

10 : 00~11 : 00 Invited lecture 4 Moderator Y. Oda

- 2-2-IL4 The clinical value of the genomics of cartilaginous tumours
.....*A.M. Flanagan*, Univ. College London Cancer Institute and
The Royal National Orthop. Hosp., UCL Cancer Institute, London, UK...S1447

11 : 10~12 : 10 Honorary lecture 2 Moderator H. Iwasaki

- 2-2-HL2 Interesting cases in my practice of bone tumor pathology for 53 years
.....*R. Machinami*, Dept. of Pathology, Kawakita General Hosp....S1448

12 : 30~13 : 40 Luncheon seminar 5 Moderator H. Yoshikawa

- 2-2-LS5 Vision of creating "Revision Center" of the megaprosthesis
.....*K. Ae*, Cancer Institute Hosp. of JFCR...S1448

**13 : 50~15 : 20 Symposium 5 Moderators H. Kawano, K. Horiuchi
Genomic medicine and counseling in musculoskeletal neoplasm**

- 2-2-S5-1 Current status and future prospects of genetic diagnosis in musculoskeletal tumors at Keio
University Hospital*R. Nakayama, et al.*, Dept. of Orthop. Surg., Keio Univ....S1449
- 2-2-S5-2 Present state and future issues of clinical sequence in musculoskeletal oncology
.....*H. Kobayashi*, Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo...S1449
- 2-2-S5-3 Cancer genomic medicine in Japan: Trends and futures
.....*K. Watanabe, et al.*, Dept. of Int. Med., Div. of Med. Oncol., Teikyo Univ....S1450
- 2-2-S5-4 Genetic counseling in cancer genomics*K. Oseto*, The Univ. of Tokyo Hosp....S1450
- 2-2-S5-5 Comprehensive mRNA-based screen of tyrosine kinase fusions identified novel ROS1-MAN1A1
fusion in soft tissue sarcomas*Y. Suehara, et al.*, Dept. of Orthop., Juntendo Univ....S1451

15 : 30~16 : 30 Continuous medical education course 4 Moderator K. Saita

- 2-2-CMEC4 Management of surgical site infection in malignant bone tumors: Achievement and
perspectives in the 2nd international consensus meeting
.....*T. Morii*, Dept. of Orthop. Surg., Kyorin Univ....S1452

16 : 40~17 : 40 Continuous medical education course 5 Moderator K. Kaneko

- 2-2-CMEC5 Communication as an important part of safety management
.....*Y. Kadono*, Dept. of Orthop. Surg., Saitama Medical Univ....S1452

2nd Day July 12 Room 3

8 : 40~9 : 50 Morning seminar 2 Moderator M. Susa

- 2-3-MS2-1 How to use eribulin in patients with advanced soft tissue sarcoma
.....*T. Nakamura*, Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine...S1453
- 2-3-MS2-2 Optimizing drug therapy for soft tissue sarcoma:
Is it best to select therapeutic agents based on basic research results?
.....*M. Endo*, Dept. of Orthop. Surg., Kyushu Univ....S1453

10 : 00~10 : 35 Free paper 12 Malignant bone tumor 1 Moderators J. Nishida, H. Hiraga

- 2-3-FP12-1 Prognostic factors of bone sarcomas except for osteosarcoma, Ewing sarcoma, and
chondrosarcoma*A. Nagano, et al.*, Dept. of Orthop. Surg., Gifu Univ....S1454

- 2-3-FP12-2 Clinical result of chondrosarcoma
 *Y. Mimata, et al.*, Dept. of Orthop Surg., Iwate Medical Univ...S1454
- 2-3-FP12-3 The effect of intralesional procedure on the treatment outcome of bone sarcomas
 *Y. Funachi, et al.*, Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR...S1455
- 2-3-FP12-4 Do non-elderly malignant bone tumor patients develop migration of the hemiarthroplasty
 proximal femoral endoprosthesis?
*K. Shiba, et al.*, Dept. of Orthop. Surg., Shizuoka Cancer Center...S1455
- 2-3-FP12-5 Clinical outcome of tumor endoprosthesis for proximal femur
 *T. Hamada, et al.*, Dept. of Orthop. Surg., Kurume Univ...S1456
- 2-3-FP12-6 Bone remodeling analysis of the lower limbs after surgery of tumor endoprostheses
*K. Yahiro, et al.*, Dept. of Orthop. Surg., Graduate School of Medical Sciences,
 Kyushu Univ...S1456
- 2-3-FP12-7 Early loosening of new KMLS cementless fluted stem in surgery of distal femur
*S. Kakunaga, et al.*, Dept. of Orthop. Surg., Osaka National Hosp...S1457

10 : 40~11 : 10 Free paper 13 Malignant bone tumor 2 Moderators S. Matsumoto, F. Nakatani

- 2-3-FP13-1 Rehabilitation and function following resection of pelvic sarcoma
 *T. Kunisada, et al.*, Dept. of Medical Materials for Musculoskeletal Reconstruction,
 Okayama Univ...S1458
- 2-3-FP13-2 Frozen autograft with vascularized fibular graft for the reconstruction after excision of
 malignant tumors *Y. Tanzawa, et al.*, Dept. of Orthop. Surg., Tokai Univ...S1458
- 2-3-FP13-3 Clinical course of grafted cartilage in osteoarticular frozen autograft for malignant bone
 tumor involving epiphysis*K. Hayashi, et al.*, Dept. of Restorative Medicine of
 Neuro-Musculoskeletal System, Kanazawa Univ...S1459
- 2-3-FP13-4 Treatment of fracture after radiation and using frozen and irradiated autograft
*S. Suzuki, et al.*, Dept. of Orthop. Surg., Shinshu Univ...S1459
- 2-3-FP13-5 Joint sparing surgery using recycled tumor bearing auto graft for malignant bone tumor
 *M. Miyagi, et al.*, Dept. of Orthop. Oncology, Shizuoka Cancer Center...S1460
- 2-3-FP13-6 Clinical outcome of intraoperative CT navigation assisted surgery in bone tumors
*S. Ohshika, et al.*, Dept. of Orthop. Surg., Hirosaki Univ...S1460

11 : 15~11 : 35 Free paper 14 Malignant bone tumor 3 Moderator T. Hiruma

- 2-3-FP14-1 The iliac crest cut and transposition approach for the posterior vertebral release in L5
 vertebrectomy*A. Iwata, et al.*, Dept. of Preventive and Therapeutic Reseach for
 Metastatic Bone Tumor, Hokkaido Univ...S1461
- 2-3-FP14-2 Study of sacral chordoma recurrence after treatment: Wide resection vs. heavy particle
 therapy *R. Joko, et al.*, Science of Functional Recovery and Reconstruction,
 Okayama Univ. Graduate School of Medicine...S1461
- 2-3-FP14-3 Therapeutic results of nerve repair for sciatic nerve defects
 *M. Hanada, et al.*, Dept. of Orthop. Surg., Graduate School of Medical Sciences,
 Kyushu Univ...S1462
- 2-3-FP14-4 Solution to a complex problem after failed limb salvage surgery with tibial turn-up plasty
 procedure *H. Katagiri, et al.*, Div. of Orthop. Oncology, Shizuoka Cancer Center...S1462

11 : 40~12 : 10 Free paper 15 Malignant soft tissue tumor 1 Moderators K. Ae, T. Nakamura

- 2-3-FP15-1 Treatment outcome of soft tissue sarcomas in very elderly people
*A. Yoshiyama, et al.*, Dept. of Orthop. Surg., Tokyo Medical Center...S1463
- 2-3-FP15-2 An analysis of treatment for soft tissue sarcoma in elderly patients
 *T. Watanabe, et al.*, Dept. of Orthop. Surg., Tokai Univ...S1463

- 2-3-FP15-3 Validation of different nutritional assessment tools in predicting prognosis of patients with soft tissue sarcomas *H. Sasaki, et al.*, Dept. of Orthop. Surg., Graduate School of Medical and Dental Sciences, Kagoshima Univ. ...S1464
- 2-3-FP15-4 Clinicians' adherence to practice guidelines for soft tissue sarcoma analyzed with Quality Indicator *S. Iwata, et al.*, Dept. Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp. ...S1464
- 2-3-FP15-5 Issues in diagnosis of sarcomas at sites other than the extremities *H. Hatano, et al.*, Dept. of Orthop. Surg., Niigata Cancer Center Hosp. ...S1465
- 2-3-FP15-6 Malignant fungating wound in soft tissue sarcoma is associated with poor prognosis *K. Okajima, et al.*, Dept. of Musculoskeletal Oncology, Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hosp. ...S1465

12 : 30~13 : 40 Luncheon seminar 6 Moderator M. Tomita

- 2-3-LS6 Surgical strategy and rehabilitation of tumor prosthesis reconstruction *S. Tsukushi*, Dept. of Orthop. Surg., Aichi Cancer Center ...S1466

13 : 50~14 : 50 Continuous medical education course 6 Moderator A. Matsumine

- 2-3-CMEC6 Treatment strategy of musculoskeletal tumor of the elbow to hand *J. Nishida, et al.*, Dept. of Orthop. Surg., Tokyo Medical Univ. ...S1466

15 : 00~16 : 10 Afternoon seminar 2 Moderator S. Tanaka

- 2-3-AS2 Tumor induced osteomalacia: Tips and pitfalls *F. Nakatani*, Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp. ...S1467

16 : 20~17 : 20 Continuous medical education course 7 Moderator T. Akisue

- 2-3-CMEC7 Palliative care for the patients with bone and soft tissue tumor *T. Takahashi*, Dept. of Supportive Oncology and Palliative Medicine, Saitama Medical Univ. International Medical Center ...S1467

17 : 30~17 : 55 Free paper 16 Palliative care/miscellaneous Moderator H. Katagiri

- 2-3-FP16-1 Role of orthopaedic surgeon in palliative care team *I. Kudawara, et al.*, Dept. of Orthop. Surg., National Hosp. Organization Osaka National Hosp. ...S1468
- 2-3-FP16-2 Evaluation of sarcoma patients using the screening system for early detection of the need for palliative care *T. Morii, et al.*, Dept. of Orthop. Surg., Kyorin Univ. ...S1468
- 2-3-FP16-3 Treatment for Jehovah's Witnesses patients with bone and soft tissue tumor *S. Matsumoto, et al.*, Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR ...S1469
- 2-3-FP16-4 Natural history of lipoma and atypical lipomatous tumor *A. Ogose, et al.*, Dept. of Orthop. Surg., Unuma Institute of Community Medicine, Niigata Univ. Medical and Dental Hosp. ...S1469
- 2-3-FP16-5 Trial of cancer education in Nagano prefecture *K. Aoki, et al.*, Dept. of Applied Physical Therapy, Shinshu Univ. School of Health Sciences ...S1470

2nd Day July 12 Room 4

10 : 00~11 : 00 Invited lecture 5 Moderator T. Ishii

- 2-4-IL5 Studies and trials on malignant musculoskeletal tumors in Korea *S.H. Chung*, Dept. of Orthop. Surg., Kosin Univ. Gospel Hosp., Busan, Korea ...S1471

11 : 10~12 : 10 Invited lecture 6 Moderator T. Kunisada

- 2-4-IL6 Radiation therapy in the treatment of soft tissue sarcoma
.....S. Y. Ngan, Div. of Radiation Oncology and Bone and Soft Tissue Tumour Unit,
Peter MacCallum Cancer Centre, Melbourne, Australia...S1471

12 : 30~13 : 40 Luncheon seminar 7 Moderator H. Tsuchiya

- 2-4-LS7-1 Sarcoma center in prefectural core cancer center: The way it should be and its future
prospectsT. Gokita, Dept. of Orthop. Surg., Saitama Cancer Center...S1472
- 2-4-LS7-2 Multidisciplinary collaboration in the treatment of malignant soft tissue tumor: From the
view of pharmacotherapyH. Urakawa, Dept. of Orthop. Surg., Nagoya Univ./
Dept. of Clinical Oncology and Chemotherapy, Nagoya Univ. Hosp....S1472

**13 : 50~14 : 20 Free paper 17 Moderators M. Takahashi, S. Iwata
Malignant soft tissue tumor 2**

- 2-4-FP17-1 Outcome of soft tissue sarcoma whose first metastasis was extrapulmonary metastases
.....M. Saito, et al., Dept. of Orthop. Surg., The Cancer Institute Hosp. of JFCR...S1473
- 2-4-FP17-2 Hepatic metastases from soft tissue sarcoma
.....M. Okamoto, et al., Sarcoma Service, Hokkaido Cancer Center...S1473
- 2-4-FP17-3 Clinical outcome and prognostic factor analysis of the patients with malignant soft tissue
tumor of the thighS. Morinaga, et al., Dept. of Orthop. Surg., Kanazawa Univ....S1474
- 2-4-FP17-4 Treatment of soft tissue sarcoma in the foot
.....K. Hayakawa, et al., Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR...S1474
- 2-4-FP17-5 The tumoral extension of extraskeletal myxoid chondrosarcoma
.....Y. Minami, et al., Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR...S1475
- 2-4-FP17-6 The clinical feature of solitary fibrous tumor
.....Y. Minami, et al., Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR...S1475

**14 : 30~15 : 00 Free paper 18 Moderators N. Yamamoto, E. Kobayashi
Malignant soft tissue tumor 3**

- 2-4-FP18-1 Clinical outcome of myxoid liposarcoma
.....R. Nakagawa, et al., Dept. of Orthop. Surg., Keio Univ....S1476
- 2-4-FP18-2 Treatment results of localized dedifferentiated liposarcoma in the extremities
.....E. Nakata, et al., Science of Functional Recovery and Reconstruction,
Okayama Univ. Graduate School of Medicine...S1476
- 2-4-FP18-3 Clinicopathological features of superficial epithelioid sarcomas
.....N. Asano, et al., Dept. of Orthop. Surg., Keio Univ....S1477
- 2-4-FP18-4 Clinical outcome of extrapleural solitary fibrous tumor
.....M. Saito, et al., Dept. of Orthop. Surg., Keio Univ....S1477
- 2-4-FP18-5 Clinical characteristics and prognosis of leiomyosarcomaT. Fujibuchi, et al.,
Dept. of Bone and Joint Surg., Ehime Univ. Graduate School of Medicine...S1478
- 2-4-FP18-6 Study on temperature of soft tissue tumorsA. Shimatani, et al., Dept. of Orthop. Surg.,
Osaka City Univ. Graduate School of Medicine...S1478

15 : 10~15 : 50 Free paper 19 Radiotherapy Moderators T. Yanagawa, S. Takenaka

- 2-4-FP19-1 Function and QOL after carbon ion therapy for pelvic bone tumor
.....S. Takenaka, et al., Dept. of Orthop. Surg., Graduate School of Medicine, Osaka Univ....S1479

2-4-FP19-2	Risk factors of in- and out-field recurrence after the carbon ion radiotherapy for bone and soft-tissue tumors	..... <i>I. Kohama, et al.</i> , Dept. of Orthop. Surg., Graduate School of Medicine, Gunma Univ. ....S1479
2-4-FP19-3	Carbon ion radiotherapy for bone metastases of renal cell cancer and thyroid cancer	..... <i>R. Imai</i> , QST Hosp. ....S1480
2-4-FP19-4	The activity of patients with metastatic spine tumor after palliative radiotherapy	..... <i>H. Murata, et al.</i> , Dept. of Orthop. Surg., Shizuoka Cancer Center ....S1480
2-4-FP19-5	Change of spinal instability in metastatic vertebral body after radiation therapy	..... <i>E. Nakata, et al.</i> , Science of Functional Recovery and Reconstruction, Okayama Univ. Graduate School of Medicine ....S1481
2-4-FP19-6	Clinical features and image findings affecting the results of radiotherapy for metastatic spinal tumors	..... <i>K. Suzuki, et al.</i> , Dept. of Orthop. Surg., Univ. of Toyama ....S1481
2-4-FP19-7	The postoperative radiotherapy for patients with myxofibrosarcoma after inadequate surgical resection	..... <i>M. Emori, et al.</i> , Dept. of Orthop. Surg., Sapporo Medical Univ. ....S1482
2-4-FP19-8	Clinical course of eight cases of extraskeletal myxoid chondrosarcoma <i>Y. Honda, et al.</i> , Shizuoka Cancer CenterS148

2nd Day July 12 Room 5

12 : 30~13 : 40 Luncheon seminar 8	Moderator H. Tsumura
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2-5-LS8-1	X-ray dynamic radiography can change imaging diagnosis: Technical overview <i>R. Tanaka, et al.</i> , College of Medical, Pharmaceutical and Health Sciences, Kanazawa Univ.S1483
2-5-LS8-2	X-ray dynamic radiography can change imaging diagnosis: Clinical expectation for orthopaedic surgery	..... <i>H. Oda</i> , Dept. of Orthop. Surg., Saitama Medical Univ. ....S1483

14 : 40~15 : 25 Free paper 20 Basic research/pathology 1	Moderators S. Nagano, S. Sato
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2-5-FP20-1	Expression and prognostic value of transforming acidic coiled-coil containing protein 3 (TACC3) in osteosarcoma <i>K. Matsuda, et al.</i> , Dept. of Orthop. Surg., Kurume Univ.S1484
2-5-FP20-2	Conglomerate virotherapy for osteosarcoma by vesicular stomatitis virus	..... <i>T. Sakuda, et al.</i> , Dept. of Orthop. Surg., Graduate School of Biomedical Sciences, Hiroshima Univ. ....S1484
2-5-FP20-3	The expression of PD-L1 and IDO1 in osteosarcoma	..... <i>Y. Toda, et al.</i> , Dept. of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu Univ. ....S1485
2-5-FP20-4	Development of new hybrid treatment for osteosarcoma transplanting controlled-release pirarubicin conjugated EPCs	..... <i>Y. Kawakami, et al.</i> , Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine ....S1485
2-5-FP20-5	Targeting BIG3-PHB2 protein interaction to suppress osteosarcoma progression	..... <i>S. Toki, et al.</i> , Institute of Advanced Medical Science, Tokushima Univ. ....S1486
2-5-FP20-6	Clinicopathological and immunohistochemical analysis of autoimmune regulator expression in patients with osteosarcoma	..... <i>K. Matsuda, et al.</i> , Dept. of Orthop. Surg., Kurume Univ. ....S1486
2-5-FP20-7	Metabolic fluctuations in adriamycin-resistant osteosarcomas using metabolomic approaches	..... <i>K. Sasa, et al.</i> , Dept. of Orthop. Surg., Juntendo Univ. ....S1487
2-5-FP20-8	High efficacy of mTOR and VEGFR inhibitor combined therapy against osteosarcoma in patient-derived orthotopic xenograft	..... <i>H. Oshiro, et al.</i> , Orthop. Surg., Univ. of the Ryukyus ....S1487

- 2-5-FP20-9 Pterostilbene sensitizes cMYC inhibitors against sarcoma cells through the inhibition of ATP synthase and ROS generation
 *S. Kishi, et al.*, Dept. of Orthop. Surg., Nara Medical Univ. ...S1488

15 : 45~17 : 15	Symposium 6	Moderators J. Manabe, Y. Yazawa
Further approach for safety surgical margin		

- 2-5-S6-1 Macroscopic evaluation of surgical margin for R0 resection and safe margins for histologic classifications *K. Ae, et al.*, Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR ...S1489
- 2-5-S6-2 Multi-institutional prospective study assessing an ideal surgical margin for soft tissue sarcoma *S. Iwata*, Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center ...S1489
- 2-5-S6-3 Intentional close margin on sciatic notch during internal hemipelvectomy associates with proper post-op outcome
 *T. Akiyama, et al.*, Dept. of Orthop., Saitama Medical Center, Jichi Medical Univ. ...S1490
- 2-5-S6-4 Evaluation of reactive zone of subcutaneous soft tissue sarcoma by ultrasonography
 *M. Watanuki, et al.*, Dept. of Orthop. Surg., Tohoku Univ. Graduate School of Medicine ...S1490
- 2-5-S6-5 AI planning for osteosarcoma resection using deep learning approach *T. Kubo, et al.*, Dept. of Orthop. Surg., Graduate School of Biomedical Sciences, Hiroshima Univ. ...S1491

17 : 15~18 : 00	Free paper 21	Moderators T. Okamoto, Y. Suehara
Basic research/pathology 2		

- 2-5-FP21-1 Diagnostic accuracy of fine needle aspiration cytology or core needle biopsy in bone and soft tissue tumor *T. Ariizumi, et al.*, Div. of Orthop. Surg., Niigata Univ. Graduate School of Medicine and Dental Sciences ...S1492
- 2-5-FP21-2 Genomic diagnosis for musculoskeletal tumor using total RNA from core-needle biopsies *T. Yamagishi, et al.*, Div. of Orthop. Surg., Niigata Univ. Graduate School of Medicine and Dental Sciences ...S1492
- 2-5-FP21-3 Study of the role of Wnt/beta-catenin pathway in bone differentiation of GCTB
 *A. Kimura, et al.*, Dept. of Orthop. Surg., Graduate School of Medical Sciences, Kyushu Univ. ...S1493
- 2-5-FP21-4 The role of immunohistochemistry for aberrant H3 in bone tumors with giant cell lesion
 *R. Nakayama, et al.*, Dept. of Orthop. Surg., Keio Univ. ...S1493
- 2-5-FP21-5 MicroRNA-451a-CMTM6 network is a potential metastasis regulator of EWS cells
 *N. Asano, et al.*, Dept. of Orthop. Surg., Keio Univ. ...S1494
- 2-5-FP21-6 Comprehensive searching of fusion genes using TruSight RNA fusion panel
 *T. Nakayama, et al.*, Dept. of Orthop. Surg., Toho Univ. (Ohashi) ...S1494
- 2-5-FP21-7 Integrated whole exome and RNA sequencing for dedifferentiated liposarcoma
 *M. Hirata, et al.*, Inst. of Med. Sci., The Univ. of Tokyo ...S1495
- 2-5-FP21-8 Molecular pathological analyses of a super-responder with pazopanib treatment in soft tissue sarcomas *Y. Suehara, et al.*, Dept. of Orthop. Surg., Juntendo Univ. ...S1495
- 2-5-FP21-9 Genetic analysis of inflammatory myofibroblastic tumor
 *T. Kurihara, et al.*, Dept. of Orthop., Juntendo Univ. ...S1496

2nd Day July 12 Room poster 1

9 : 30~10 : 00	Poster 14 Soft tissue sarcoma 1	Moderator T. Osanai
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- 2-P1-PS14-1 Treatment outcomes of liposarcoma
 *T. Kiyuna, et al.*, Orthop. Surg., Univ. of the Ryukyus ...S1497

- 2-P1-PS14-2 Clinical outcome of the patients with myxoid liposarcoma
 …… *T. Kawamoto, et al.*, Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine…S1497
- 2-P1-PS14-3 Utility of MDM2, CDK4 in lipoma and well differentiated liposarcoma
 ………………*K. Nomura, et al.*, Dept. of Orthop. Surg., Nagasaki Univ.
 Graduate School of Biomedical Sciences…S1498
- 2-P1-PS14-4 The treatment of malignant soft tissue tumors arising from other than limbs
 ………………*K. Kawanami, et al.*, Dept. of Orthop. Surg., Aichi Medical Univ.…S1498
- 2-P1-PS14-5 Treatment outcome of chest wall soft tissue sarcomas: Analysis of prognostic factors
 ………………*N. Nakahashi, et al.*, Dept. of Orthop. Surg., Sapporo Medical Univ.…S1499
- 2-P1-PS14-6 Impact of adjuvant therapy using acridine orange in patients with soft tissue sarcoma
 treated with marginal resection ……*H. Tsuchie, et al.*, Div. of Orthop. Surg., Akita Univ.…S1499

10 : 00~10 : 25	Poster 15 Soft tissue sarcoma 2	Moderator H. Tada
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- 2-P1-PS15-1 Clinical outcome of soft tissue sarcomas with positive surgical margin
 ……*A. Nabeshima, et al.*, Dept. of Orthop. Surg., Graduate School of Medical Sciences,
 Kyushu Univ.…S1500
- 2-P1-PS15-2 Clinical outcome for low-grade myofibroblastic sarcoma
 ……………… *M. Kito, et al.*, Dept. of Orthop. Surg., Shinshu Univ.…S1500
- 2-P1-PS15-3 Treatment of operation with reconstruction of prosthesis in proximal femur
 ………………*K. Hayakawa, et al.*, Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR…S1501
- 2-P1-PS15-4 Two cases of reconstruction of the soft tissue sarcomas around the acromion using
 liquid-nitrogen freezing bone ……………… *Y. Ichihara, et al.*, Dept. of Orthop. Surg.,
 Yamaguchi Univ. Graduate School of Medicine…S1501
- 2-P1-PS15-5 Effectiveness of electrothermal coagulation device in soft-tissue sarcoma surgery
 ………………*E. Shimada, et al.*, Dept. of Orthop. Surg., Graduate School of Medical Sciences,
 Kyushu Univ.…S1502

10 : 25~10 : 55	Poster 16 Soft tissue sarcoma 3	Moderator K. Takeuchi
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- 2-P1-PS16-1 12 cases of myxofibrosarcoma ………………*S. Yamada, et al.*, Dept. of Orthop. Surg.,
 Nagoya City Univ., Graduate School of Medical Sciences…S1503
- 2-P1-PS16-2 Prognostic impact of CD44 expression in myxofibrosarcoma
 ……………… *H. Tsuchie, et al.*, Dept. of Orthop. Surg., Akita Univ.…S1503
- 2-P1-PS16-3 Clinical results of split skin graft for skin defect after resection of superficial soft tissue
 sarcomas ……………… *E. Osaka, et al.*, Dept. of Orthop. Surg., Nihon Univ.…S1504
- 2-P1-PS16-4 BCOR-CCNB3 fusion positive sarcoma case series
 ……………… *N. Kurosawa, et al.*, Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR…S1504
- 2-P1-PS16-5 Clinical outcome of neoadjuvant alternating chemoradiotherapy for soft tissue sarcomas
 ……………… *M. Sugawara, et al.*, Dept. of Orthop. Surg., Yamagata Univ.…S1505
- 2-P1-PS16-6 Smoking is predictive of poorer lung metastasis-free survival in soft tissue sarcoma
 patients ………………*M. Matsuoka, et al.*, Dept of Musculoskeletal Oncology,
 Hokkaido Cancer Center…S1505

11 : 00~11 : 25	Poster 17 Soft tissue sarcoma 4	Moderator E. Osaka
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- 2-P1-PS17-1 Outcome of angiosarcoma/lymphoangiosarcoma
 ……………… *M. Saito, et al.*, Dept. of Orthop. Surg., Cancer Institute Hosp. of JFCR…S1506
- 2-P1-PS17-2 Treatment outcome of soft tissue sarcoma of upper arm
 ………………*T. Kawakami, et al.*, Dept. of Orthop. Surg., JCHO Tokuyama Central Hosp.…S1506

- 2-P1-PS17-3 Undifferentiated pleomorphic sarcomas with MDM2/CDK4 amplification and no component of well-differentiated liposarcoma *T. Komatsubara, et al.*, Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp.···S1507
- 2-P1-PS17-4 A malignant perivascular epithelioid cell tumor (PEComa) of soft tissue with TFE3 gene amplification *R. Shigemoto, et al.*, Dept. of Orthop. Surg., Hyogo Cancer Center···S1507
- 2-P1-PS17-5 Clinical outcome of the five patients underwent forequarter amputation *M. Suzuki, et al.*, Dept. of Orthop. Surg., Yamagata Univ.···S1508

11 : 25~11 : 55	Poster 18 Soft tissue sarcoma 5	Moderator S. Tandai
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- 2-P1-PS18-1 A case of extraskeletal myxoid chondrosarcoma presenting hyper hyaluronic acidemia *M. Takami, et al.*, Dept. of Orthop. Surg., Hanwasuniyoshi General Hosp.···S1509
- 2-P1-PS18-2 A case of left forearm rhabdomyosarcoma first diagnosed as desmoid in another facility *S. Murata, et al.*, Dept. of Orthop. Surg., Akita Univ.···S1509
- 2-P1-PS18-3 G-CSF-producing undifferentiated pleomorphic sarcoma in the ascending colon and right iliopsoas muscle *H. Kodama, et al.*, Dept. of Orthop. Surg., Saitama Cancer Center···S1510
- 2-P1-PS18-4 Primary pulmonary synovial sarcoma discovered with periodic health evaluation *K. Maeda, et al.*, Div. of Orthop. Surg., Niigata Univ. Graduate School of Medicine and Dental Sciences···S1510
- 2-P1-PS18-5 A case of recurrent malignant peripheral nerve sheath tumor extending to the heart treated by forequarter amputation ··· *T. Niwa, et al.*, Dept. of Orthop. Surg., Keio Univ.···S1511
- 2-P1-PS18-6 Two ambulatory cases after resecting a soft tissue sarcoma in a calf with sacrifice of major arteries and a tibial nerve *T. Tsukanishi, et al.*, Dept. of Orthop. Surg., Chiba Cancer Center···S1511

13 : 50~14 : 20	Poster 19 Soft tissue sarcoma 6	Moderator K. Kikuta
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- 2-P1-PS19-1 Secondary soft tissue sarcoma of the neck after curative chemoradiation therapy against pharyngeal cancer *Y. Shido, et al.*, Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine···S1512
- 2-P1-PS19-2 A case of initial pulmonary artery intimal sarcoma treated with doxorubicin had improvement of heart failure symptom *A. Nomura, et al.*, Dept. of Orthop. Surg., Tokai Univ.···S1512
- 2-P1-PS19-3 A case of desmoplastic small round cell tumor of the breast-wall successfully treated *Y. Ishibashi, et al.*, Dept. of Orthop. Surg., Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hosp.···S1513
- 2-P1-PS19-4 A case of cardiac myxoid sarcoma recognized via multiple skeletal metastases of unknown primary origin *K. Akaike, et al.*, Dept. of Orthop., Juntendo Univ.···S1513
- 2-P1-PS19-5 Malignant myoepithelial tumor nearby the sciatic nerve: A case report *K. Kitayama, et al.*, Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine···S1514
- 2-P1-PS19-6 A case of multicentric well differentiated liposarcoma *A. Maejima, et al.*, Dept. of Orthop. Surg., Keio Univ.···S1514

14 : 20~14 : 40	Poster 20	Moderator T. Watanabe
Soft tissue sarcoma and metastatic soft tissue tumor		

- 2-P1-PS20-1 Pulmonary metastatectomy following pazopanib for malignant triton tumor unresponsive to doxorubicin: A case report *M. Motohashi*, Dept. of Orthop. Surg., Saitama Cancer Center···S1515
- 2-P1-PS20-2 Pain management in pregnancy with metastatic bone tumor: A case report *Y. Oshita, et al.*, Dept. of Orthop. Surg., Showa Univ. Northern Yokohama Hosp.···S1515

- 2-P1-PS20-3 Clinical outcome of the patients with brain metastasis from bone and soft tissue sarcomas
 *T. Takemori, et al.*, Dept. of Orthop. Surg., Kobe Univ. Graduate School of Medicine...S1516
- 2-P1-PS20-4 Clinical features in patients with skeletal muscle metastases of carcinoma
 *H. Tsuchie, et al.*, Dept. of Orthop. Surg., Akita Univ...S1516

14 : 40~15 : 20 Poster 21 Malignant bone and soft tissue tumor Moderator H. Koyanagi

- 2-P1-PS21-1 The treatment of bone and soft tissue sarcoma with distant metastasis
 *N. Oebisu, et al.*, Dept. of Orthop. Surg., Osaka City Univ. Graduate School of Medicine...S1517
- 2-P1-PS21-2 Oncothermia treatment for the bone and soft tissue sarcoma
 *M. Kanamori, et al.*, Dept. of Human Science, Univ. of Toyama...S1517
- 2-P1-PS21-3 Tumors of the foot and ankle
 *Y. Murahashi, et al.*, Dept. of Orthop. Surg., Sapporo Medical Univ...S1518
- 2-P1-PS21-4 Clinical features of malignant bone and soft tissue tumors occurring around the elbow
 *J. Sugaya, et al.*, Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp...S1518
- 2-P1-PS21-5 Three cases of radiotherapy-induced sarcoma
 *D. Mukunoki, et al.*, Dept. of Orthop. Surg., Tottori Univ...S1519
- 2-P1-PS21-6 Clinical outcome of post-radiation sarcomas
 *H. Koyanagi, et al.*, Dept. of Orthop. and Spinal Surg., Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental Univ...S1519
- 2-P1-PS21-7 Treatment outcome of the huge malignant bone and soft tissue tumors
 *K. Kita, et al.*, Dept. of Orthop. Surg., Mie Univ...S1520
- 2-P1-PS21-8 Usefulness of cyberknife for metastatic lung tumor of bone soft tissue tumor
 *T. Yasuda, et al.*, Dept. of Orthop. Surg., Univ. of Toyama...S1520

15 : 25~15 : 50 Poster 22 Navigation surgery Moderator M. Ikegami

- 2-P1-PS22-1 Usefulness of sonography in determination of surgical margin
 *G. Minakawa, et al.*, Dept. of Orthop. Surg., Hyogo College of Medicine...S1521
- 2-P1-PS22-2 Clinical outcome of ultrasonography-guided malignant soft tissue tumor excision
 *A. Takeuchi, et al.*, Dept. of Restorative Medicine of Neuro-Musculoskeletal System, Kanazawa Univ...S1521
- 2-P1-PS22-3 A case report of pelvic chondrosarcoma who underwent wide resection using navigation system. *J. Miyawaki, et al.*, Dept. of Bone and Joint Surg., Ehime Univ. Graduate School of Medicine...S1522
- 2-P1-PS22-4 Intraoperative computer navigation-assisted biopsy for bone tumors
 *M. Ieguchi, et al.*, Dept. of Orthop. Surg., Seihoukai Fuchu Hosp...S1522
- 2-P1-PS22-5 Multi-axis C-arm CT (Artis zeego) guided excision for osteoid osteoma of the foot
 *Y. Tanzawa, et al.*, Dept. of Orthop. Surg., Tokai Univ...S1523

15 : 50~16 : 25 Poster 23 Rehabilitation/QOL/education Moderator H. Nagasawa

- 2-P1-PS23-1 The relationship between quadriceps impairment due to the resection of soft tissue sarcoma and stance knee flexion *Y. Okita, et al.*, Dept. of Orthop. Surg. Keio Univ...S1524
- 2-P1-PS23-2 Evaluation of muscle strength and postoperative function after adductor muscles resection *A. Tanaka, et al.*, Dept. of Orthop. Surg., Shinshu Univ...S1524
- 2-P1-PS23-3 Importance of maintaining performance status 2 or higher in advanced cancer therapy: Orthopaedic surgeon's role
 *S. Sugihara, et al.*, Dept. of Orthop. Oncol., Shikoku Cancer Center...S1525

- 2-P1-PS23-4 The evaluation criteria of bone metastasis before introduction of rehabilitation for cancer patients ... *T. Okubo, et al.*, Dept. of Orthop. Surg., Juntendo Univ. Urayasu Hosp. ... S1525
- 2-P1-PS23-5 A case of cervical body metastasis due to renal cell carcinoma
..... *N. Kondo, et al.*, Dept. of Palliative Care Nursing, Saitama Medical Univ.
International Medical Center ... S1526
- 2-P1-PS23-6 A case of cancer survivor, therapied in adolescent and young adult generation
..... *H. Ryujin, et al.*, Dept. of Palliative and Support Care, Saitama Medical Univ.
International Medical Center ... S1526
- 2-P1-PS23-7 Education and career path in musculoskeletal oncology from viewpoint of our educational training system *E. Kobayashi, et al.*, Dept. of Musculoskeletal Oncology and Rehabilitation, National Cancer Center Hosp. ... S1527

2nd Day July 12 Room poster 2

9 : 30~9 : 55 Poster 24 Benign bone tumor and tumor-like lesion Moderator H. Nakajima

- 2-P2-PS24-1 Regeneration of finger enchondroma defect using porous hydroxyapatite/type 1 collagen composite implantation *S. Tsuchida, et al.*, Dept. of Orthop., Graduate School of Medical Science, Kyoto Prefectural Univ. of Medicine ... S1528
- 2-P2-PS24-2 Clinical outcome in patients with benign bone tumor using CPC after tumor curettage following more than 5 years *T. Hagi, et al.*, Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine ... S1528
- 2-P2-PS24-3 Three cases of the treatment of Gorham-Stout syndrome
..... *M. Tsugita, et al.*, Dept. of Orthop. Surg., Gifu Univ. ... S1529
- 2-P2-PS24-4 A case of aggressive vertebral hemangioma undergoing sclerotherapy by monoethanolamine oleate *C. Takeda, et al.*, Dept. of Orthop. Surg., Tottori Univ. ... S1529
- 2-P2-PS24-5 Langerhans cell histiocytosis of the adult cervical spine: A case report
..... *T. Akabane, et al.*, Dept. of Orthop. Surg., Yamagata Univ. ... S1530

9 : 55~10 : 25 Poster 25 Bone tumor-like lesion Moderator H. Yamada

- 2-P2-PS25-1 Three cases of giant cell reparative granuloma in phalanx of the foot
..... *Y. Takashina, et al.*, Dept. of Orthop. Surg., The Cancer Institute Hosp. of JFCR ... S1531
- 2-P2-PS25-2 A case of giant cell lesion of small bone in the distal phalanx of the index finger
..... *T. Tanaka, et al.*, Dept. of Orthop. Surg., Keio Univ. ... S1531
- 2-P2-PS25-3 Giant cell reparative granuloma of the distal phalanx with aggressive features mimicking malignancy: A case report *H. Nakajima, et al.*, Nakajima Orthop. Clinic ... S1532
- 2-P2-PS25-4 Paget's disease differentiated from bone tumor of the femur: A case report
..... *Y. Aoki, et al.*, Dept. of Restorative Medicine of Neuro-Musculoskeletal System,
Kanazawa Univ. ... S1532
- 2-P2-PS25-5 Four rare cases of bone protuberance lesion
..... *K. Kumagai, et al.*, Dept. of Orthop. Surg., Nagasaki Medical Center ... S1533
- 2-P2-PS25-6 Two cases of stress fracture which showed rich bone formation on posterior distal femur
..... *Y. Yamagami, et al.*, Dept. of Orthop. Surg., Kagawa Univ. ... S1533

10 : 25~10 : 55 Poster 26 Benign soft tissue tumor 1 Moderator H. Kamoda

- 2-P2-PS26-1 A case of a superficial CD34-positive fibroblastic tumor, a new pathological diagnosis
..... *S. Kanno, et al.*, Dept. of Orthop. Surg., Wakayama Medical Univ. ... S1534
- 2-P2-PS26-2 Fibrocartilagenous mesenchymoma of the tibia with predominant microcystic features: A case report *T. Kurihara, et al.*, Dept. of Orthop., Juntendo Univ. ... S1534

2-P2-PS26-3	Operative cases of spindle cell lipoma (SCL) in our hospital <i>T. Kojima, et al.</i> , Dept. of Orthop. Surg., Osaka City General Hosp...S1535
2-P2-PS26-4	A case of spindle cell/pleomorphic lipoma, fat-free variant <i>T. Okuma, et al.</i> , Dept. of Musculoskeletal Oncology, Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hosp...S1535
2-P2-PS26-5	Lipomas arising from Hoffa's fat pad <i>G. Minakawa, et al.</i> , Dept. of Orthop. Surg., Hyogo College of Medicine...S1536
2-P2-PS26-6	A case of chondromyxoid fibroma treated with en bloc resection <i>A. Koyama, et al.</i> , Dept. of Orthop. Surg., Osaka City General Hosp...S1536

11 : 00~11 : 30	Poster 27 Benign soft tissue tumor 2	Moderator T. Tajima
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2-P2-PS27-1	A case of huge intramuscular hemangioma in the trunk <i>Y. Tominaga, et al.</i> , Dept. of Orthop. Surg., Kanmon Medical Center...S1537
2-P2-PS27-2	A case report of neurofibromatosis type 1 developed giant leg after surgical resection <i>Y. Shido, et al.</i> , Dept. of Orthop. Surg., Hamamatsu Univ. School of Medicine...S1537
2-P2-PS27-3	3 cases of glomus tumor occurred in rare site <i>K. Hosono, et al.</i> , Dept. of Orthop. Surg., Okazaki City Hosp...S1538
2-P2-PS27-4	A case of solitary fibrous tumor arising in the sciatic nerve <i>H. Murata, et al.</i> , Dept. of Orthop. Surg., Matsushita Memorial Hosp...S1538
2-P2-PS27-5	A case of a huge posterior cervical schwannoma in the same level of an intradural schwannoma caused quadriplegia <i>H. Nitto, et al.</i> , Dept. of Orthop. Surg., NHO Yokohama Medical Center...S1539
2-P2-PS27-6	Clinical care of nerve sheath tumors for patients with NF1 under in-hospital clinical network for NF1 <i>K. Ikuta, et al.</i> , Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ...S1539

11 : 30~11 : 50	Poster 28 Benign soft tissue tumor 3	Moderator R. Iwanaga
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2-P2-PS28-1	A case of tumor induced osteomalacia: Transition of calcium, phosphate and FGF23 value after tumor resection ... <i>H. Tada, et al.</i> , Dept. of Orthop. Surg., Iwate Medical Univ...S1540
2-P2-PS28-2	A case of diffuse-type tenosynovial giant-cell tumor of the proximal tibiofibular joint <i>Y. Yamagami, et al.</i> , Dept. of Orthop. Surg., Kagawa Univ...S1540
2-P2-PS28-3	Two cases of diffuse type tenosynovial giant cell tumors that had to be differentiated with soft tissue sarcoma <i>H. Ueda, et al.</i> , Dept. of Orthop. Surg, Osaka City General Hosp...S1541
2-P2-PS28-4	A case of intraneural perineurioma of the median nerve in the carpal tunnel <i>T. Ebata, et al.</i> , Sakura Orthop. Hosp...S1541

13 : 50~14 : 15	Poster 29 Soft tissue tumor-like lesion 1	Moderator T. Tokizaki
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2-P2-PS29-1	Deep juvenile xanthogranuloma in right upper arm with spontaneous regression: A case report <i>T. Yano, et al.</i> , Dept. of Orthop. Surg., Tohoku Univ...S1542
2-P2-PS29-2	A rapidly growing nodular fasciitis protruding from the palm <i>C. Sawamura, et al.</i> , Dept. of Orthop. Saitama Cancer Center...S1542
2-P2-PS29-3	Ectopic hamartomatous thymoma mimicking soft tissue sarcoma: A case report <i>D. Takahara, et al.</i> , Dept. of Orthop. Surg., Yamagata Univ...S1543
2-P2-PS29-4	Soft tissue tumors of the joint preoperatively diagnosed as cystic lesion <i>K. Numoto, et al.</i> , Dept. of Orthop. Surg., Kochi Health Science Center...S1543
2-P2-PS29-5	The impact of tumor locations on efficacy of pharmacological treatment in desmoid-type fibromatosis: A systematic review <i>H. Koike, et al.</i> , Dept. of Orthop. Surg., Graduate School of Medicine, Nagoya Univ...S1544

14 : 15~14 : 45	Poster 30 Soft tissue tumor-like lesion 2	Moderator S. Ohshika
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- 2-P2-PS30-1 A case of large ganglion cyst of the right little finger expanded continuously along the flexor tendon sheath *T. Yoshizawa, et al.*, Dept. of Orthop. Surg., Sekishindo Hosp. ...S1545
- 2-P2-PS30-2 Sarcoidosis requiring differentiation from sarcoma: Three cases
.....*N. Mizoshiri, et al.*, Dept. of Orthop., Graduate School of Medical Science,
Kyoto Prefectural Univ. of Medicine...S1545
- 2-P2-PS30-3 Three cases of ectopic endometriosis at the abdominal wall *T. Hasegawa, et al.*,
Dept. of Musculoskeletal Surg., Mie Univ. Graduate School of Medicine...S1546
- 2-P2-PS30-4 A case of the tophaceous gout in useful diagnosis using dual-energy CT technology
.....*T. Tsukanishi, et al.*, Dept. of Orthop. Surg., Chiba Cancer Center...S1546
- 2-P2-PS30-5 Three cases of patient with calcific myonecrosis in the lower legs
..... *H. Nagata, et al.*, Dept. of Orthop. Surg., Osaka City Univ. Hosp. ...S1547
- 2-P2-PS30-6 Three cases of fat necrosis of the soft tissue tumor *H. Kawai, et al.*,
Dept. of Orthop. Surg., Osaka City Univ. Graduate School of Medicine...S1547

14 : 45~15 : 15	Poster 31 Metastatic bone tumor 1	Moderator I. Watanabe
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- 2-P2-PS31-1 Epidemiological study of bone metastasis in the cancer core hospital
..... *M. Aso, et al.*, Dept. of Orthop. Surg., Yamagata Prefectural Central Hosp. ...S1548
- 2-P2-PS31-2 A comparison of palliative operation with definitive operation for femoral bone metastasis
.....*S. Ito, et al.*, Dept. of Orthop. Surg., Shimane Univ. ...S1548
- 2-P2-PS31-3 Treatment results for pathologic fractures in the proximal femur
..... *S. Yokoo, et al.*, Science of Functional Recovery and Reconstruction,
Okayama Univ. Graduate School of Medicine...S1549
- 2-P2-PS31-4 Radical resection for bone metastasis of renal cell carcinoma
.....*R. Miyagi, et al.*, Dept. of Orthop. Tokushima Prefectural Central Hosp. ...S1549
- 2-P2-PS31-5 Prognosis in pts who received radiotherapy for bone meta: Comparison of old and new
prognostic scores by Katagiri
.....*S. Ishihara, et al.*, Dept. of Radiology, Toyohashi Municipal Hosp. ...S1550
- 2-P2-PS31-6 A case of sternal metastasis of brain meningioma
..... *S. Sakurai, et al.*, Dept. of Orthop. Surg., Hiroshima Prefectural Hosp. ...S1550

15 : 20~15 : 55	Poster 32 Metastatic bone tumor 2	Moderator H. Kawashima
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- 2-P2-PS32-1 Retrospective review of denosumab for metastatic bone tumor *A. Mihara, et al.*,
Dept. of Orthop. Surg., Yamaguchi Univ. Graduate School of Medicine...S1551
- 2-P2-PS32-2 Atypical fracture of bilateral femur and metatarsal with bisphosphonate therapy for
bone metastasis of breast cancer
..... *T. Ito, et al.*, The Dept. of Orthop. Surg., Nihon Univ. ...S1551
- 2-P2-PS32-3 Clinical features and radiological changes after radiation therapy to bone metastases of lung
cancer *Y. Yoshimura, et al.*, Dept. of Orthop. Surg., Shinshu-Ueda Medical Center...S1552
- 2-P2-PS32-4 Atypical femoral fracture after administering bone modifying drugs for patients with
bone metastasis *I. Watanabe, et al.*, Dept. of Orthop. Surg.,
Tokyo Dental College Ichikawa General Hosp. ...S1552
- 2-P2-PS32-5 Metastatic spinal disorder may affect treatment outcome of bone modifying agents for
non-metastatic spine *I. Watanabe, et al.*, Dept. of Orthop. Surg.,
Tokyo Dental College Ichikawa General Hosp. ...S1553
- 2-P2-PS32-6 Clinical investigation of cancer of unknown primary origin with bone metastasis in the
initial diagnosis *D. Ishimura, et al.*, Dept. of Orthop. Surg., Fujita Health Univ. ...S1553

2-P2-PS32-7 A comprehensive approach for tumor molecular profiling in cancer of unknown primary origin*G. Araki, et al.*, Orthop. Surg., Graduate School of Medicine, The Univ. of Tokyo...S1554

15 : 55~16 : 30	Poster 33 Metastatic bone tumor/spine	Moderator T. Okuma
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2-P2-PS33-1 Investigation of surgical cases for spinal metastasis of colon cancer*H. Kamoda, et al.*, Div. of Orthop. Surg., Chiba Cancer Center...S1555

2-P2-PS33-2 Combined surgery with other departments for direct spinal invasion from adjacent malignant tumor*A. Iwata, et al.*, Dept. of Preventive and Therapeutic Research for Metastatic Bone Tumor, Hokkaido Univ...S1555

2-P2-PS33-3 Experience of the radical resection of sacral ala metastasis for a testicular tumor case*N. Yamakawa, et al.*, Div. of Orthop. Surg., Chiba Cancer Center...S1556

2-P2-PS33-4 A case of the spinal cord injury with multiple myeloma just after starting chemotherapy*T. Oki, et al.*, Rehabilitation, Graduate School of Medicine, The Univ. of Tokyo...S1556

2-P2-PS33-5 Clinical outcomes of patients with spinal metastasis of unknown origin*M. Hashimoto, et al.*, Dept. of Orthop. Surg., Chiba Rosai Hosp...S1557

2-P2-PS33-6 POEMS syndrome with thoracic spine: Two cases report*Y. Yashima, et al.*, Dept. of Orthop. Surg., Itoigawa General Hosp...S1557

2-P2-PS33-7 Safety and efficacy of percutaneous vertebroplasty for treatment of osteoblastic spinal metastases pain relief*S. Xu, et al.*, Dept. of Orthop., National Cancer Center/ National Clinical Research Center for Cancer/Cancer Hosp., Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China...S1558

16 : 30~17 : 00	Poster 34 Complications	Moderator T. Tanizawa
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2-P2-PS34-1 Tranexamic acid in musculoskeletal tumor surgery*N. Setsu, et al.*, Dept. of Orthop. Surg., Kyushu Univ...S1559

2-P2-PS34-2 Spontaneous shortening of extendable tumor prosthesis 20 years after surgery: A case report*S. Kamio, et al.*, Dept. of Orthop. Surg., Keio Univ...S1559

2-P2-PS34-3 Bone stump reconstruction with the use of antibiotic-loaded cement improved the length of residual limb*N. Fukuoka, et al.*, Dept. of Orthop. Surg., Kagawa Univ...S1560

2-P2-PS34-4 A case of congenital factor XIII deficiency in a child undergoing incisional biopsy for right femur*K. Yamada, et al.*, Okazaki City Hosp...S1560

2-P2-PS34-5 Fistulation after surgery of iliac metastasis: A case report*H. Kamoda, et al.*, Div. of Orthop. Surg., Chiba Cancer Center...S1561

2-P2-PS34-6 Current status and efficacy of day surgery for bone and soft tissue tumor in Kyushu Rosai Hospital*A. Maekawa, et al.*, Kyushu Rosai Hosp...S1561

2nd Day July 12 Room 1

18 : 10~18 : 20 Closing ceremony