

業績目録・原著・欧文

- [1] Matsumoto Y (C), Shiota E, Kido H, Kawasaki T. Stability and alignment of the cervical spine of hemodialyzed patients treated by canal-expansive laminoplasty. Arch Orthop Trauma Surg. 119: 464-466, 1999
- [2] Shiota E, Matsumoto Y, Nakamoto M. Open surgical treatment for dialysis-related arthropathy in the shoulder. J Shoulder Elbow Surg. 9: 89-92, 2000
- [3] Matsuda S, Tanaka K, Harimaya K, Matsumoto Y, Sato H, Iwamoto Y. Treatment of myxoid liposarcoma in pregnancy. Clin Orthop. 376: 195-199, 2000
- [4] Harimaya K., Tanaka K., Matsumoto Y., Sato H., Matsuda S., Iwamoto Y., Antioxidants inhibit TNF(-induced motility and invasion of human osteosarcoma cells: possible involvement of NF(B activation. Clin. Exp. Metastasis: 18: 121-129, 2000
- [5] Oda Y., Matsumoto Y., Harimaya K., Iwamoto Y., Tsuneyoshi M., Establishment of new multidrug-resistant human osteosarcoma cell lines. Oncol. Report 7: 859-66, 2000
- [6] Matsumoto Y., Tanaka K., Nakatani F., Matsunobu T., Matsuda S., Iwamoto Y., Downregulation and forced expression of EWS-Fli1 fusion gene result in changes in the expression of G1 regulatory genes. Br. J. Cancer 84: 768-775, 2001
- [7] Matsumoto Y., Tanaka K., Harimaya K., Nakatani F., Matsuda S. and Iwamoto Y., Small GTP-binding protein, Rho, both increased and decreased cellular motility, activation of matrix metalloproteinase 2 and invasion of human osteosarcoma cells. Jpn. J. Cancer Res. 92: 429-438, 2001
- [8] Matsumoto Y, Tanaka K, Hirata G, Hanada M, Matsuda S, Shuto T, Iwamoto Y. Possible involvement of the vascular endothelial growth factor-flt-1-focal adhesion kinase pathway in chemotaxis and the cell proliferation of osteoclast precursor cells in arthritic joints. J Immunol. 168: 5824-311, 2002
- [9] Nakatani F, Tanaka K, Sakimura R, Matsumoto Y, Matsunobu T, Li X, Hanada M, Okada T, Iwamoto Y. Identification of p21WAF1/CIP1 as a direct target of EWS-Fli1 oncogenic fusion protein. J Biol Chem. 278: 15105-15115, 2003

- [10] Matsuo A, Shuto T, Hirata G, Satoh H, Matsumoto Y, Zhao H, Iwamoto Y. Antiinflammatory and chondroprotective effects of the aminobisphosphonate incadronate (YM175) in adjuvant induced arthritis. *J Rheumatol.* 30: 1280-1290, 2003
- [11] Matsunobu T, Tanaka K, Matsumoto Y, Nakatani F, Sakimura R, Hanada M, Li X, Oda Y, Naruse I, Hoshino H, Tsuneyoshi M, Miura H, Iwamoto Y. The prognostic and therapeutic relevance of p27kip1 in Ewing's family tumors. *Clin Cancer Res.* 10:1003-12, 2004
- [12] Chen WJ, Jingushi S, Hirata G, Matsumoto Y, Iwamoto Y. Intramuscular bone induction by the simultaneous administration of recombinant human bone morphogenetic protein 2 and bisphosphonate for autobreath graft. *Tissue Eng.* 10: 1652-1661, 2004
- [13] Sakimura R, Tanaka K, Nakatani F, Matsunobu T, Li X, Hanada M, Okada T, Nakamura T, Matsumoto Y, Iwamoto Y. Antitumor effects of histone deacetylase inhibitor on Ewing's family tumors. *Int J Cancer* 116: 784-792, 2005
- [14] Hanada M, Tanaka K, Matsumoto Y, Nakatani F, Sakimura R, Matsunobu T, Li X, Okada T, Nakamura T, Takasaki M, Iwamoto Y. Focal Adhesion Kinase is Activated in Invading Fibrosarcoma Cells and Regulates Metastasis. *Clin Exp Metastasis* 22: 485-94, 2005
- [15] Matsumoto Y, Irie F, Inatani M, Tessier-Lavigne M, Yamaguchi Y. Netrin-1/DCC signaling in commissural axon guidance requires cell-autonomous expression of heparan sulfate. *J Neurosci.* 27: 4342-50, 2007
- [16] Kadoya K, Fukushi J, Matsumoto Y, Yamaguchi Y, Stallcup WB NG2 proteoglycan expression in mouse skin: altered postnatal skin development in the NG2 null mouse. *J Histochem Cytochem.* 56: 295-303, 2008
- [17] Iwao K, Inatani M, Matsumoto Y, Ogata-Iwao M, Takiara Y, Irie F, Yamaguchi Y, Okinami S, Tanihara H. Heparan sulfate deficiency leads to Peters anomaly in mice by disturbing neural crest TGF-beta2 signaling. *J Clin Invest.* 119: 1997-2008, 2009
- [18] Okada S, Maeda T, Ohkawa Y, Harimaya K, Saiwai H, Kumamaru H, Matsumoto Y, Doi T, Ueta T, Shiba K, Iwamoto Y. Does ossification of the posterior longitudinal ligament affect the neurological outcome after traumatic cervical cord injury? *Spine* 34:1148-52, 2009

- [19] Matsumoto Y(C), et al. Outcome of osteoplastic laminotomy for excision of spinal cord tumors. J Orthop Surg. 17: 275-279, 2009
- [20] Matsumoto Y(E), Matsumoto K (equally contribution), Irie F, Fukushi J, Stallcup WB, Yamaguchi Y. Conditional ablation of the heparan sulfate-synthesizing enzyme Ext1 leads to dysregulation of bone morphogenic protein signaling and severe skeletal defects. J Biol Chem. 285:19227-34, 2010
- [21] Kamura S, Matsumoto Y(C), Fukushi JI, Fujiwara T, Iida K, Okada Y, Iwamoto Y. Basic fibroblast growth factor in the bone microenvironment enhances cell motility and invasion of Ewing's sarcoma family of tumours by activating the FGFR1-PI3K-Rac1 pathway. Br J Cancer 103:370-81, 2010
- [22] Matsumoto Y(C) , Yuko Okada , Jun-ichi Fukushi , Satoshi Kamura , Toshifumi Fujiwara , Keiichiro Iida , Mihoko Koga , Shuichi Matsuda , Katsumi Harimaya , Akio Sakamoto and Yukihide Iwamoto. Role of the VEGF-Flt-1-FAK pathway in the pathogenesis of osteoclastic bone destruction of giant cell tumors of bone Journal of Orthopaedic Surgery and Research 5:85, 2010
- [23] Doi T, Harimaya K, Mitsuyasu H, Matsumoto Y, Masuda K, Kobayakawa K, Iwamoto Y. Right thoracic curvature in the normal spine. J Orthop Surg Res. 6: 4, 2011
- [24] Doi T, Harimaya K, Matsumoto Y, Tono O, Tarukado K, Iwamoto Y. Endoscopic decompression for intraforaminal and extraforaminal nerve root compression. J Orthop Surg Res. 6: 16, 2011
- [25] Doi T, Kido S, Kuwashima U, Tono O, Tarukado K, Harimaya K, Matsumoto Y, Iwamoto Y. A new method for measuring torsional deformity in scoliosis. Scoliosis 6: 7, 2011
- [26] Doi T, Harimaya K, Matsumoto Y, Iwamoto Y. Aortic location and flat chest in scoliosis: a prospective study. Fukuoka Acta Med. 102: 14-19, 2011
- [27] Doi T, Harimaya K, Matsumoto Y, Taniguchi H, Iwamoto Y. Peri-operative blood loss and extent of fused vertebrae in surgery for adolescent idiopathic scoliosis. Fukuoka Acta Med. 102: 8-13, 2011

- [28] Fujiwara T, Fukushi J, Yamamoto S, Matsumoto Y, Setsu N, Oda Y, Yamada H, Okada S, Watari K, Ono M, Kuwano M, Kamura S, Iida K, Okada Y, Koga M, Iwamoto Y. Macrophage infiltration predicts a poor prognosis for human ewing sarcoma. Am J Pathol. 179: 1157-1170, 2011
- [29] Sakamoto A, Yoshida T, Matsumoto Y, Kozuma M, Iwamoto Y. Revascularization of complete and incomplete distal finger amputations in children below 2 years of age: a report of three cases. J Hand Surg Eur 36: 677-681, 2011
- [30] Matsumoto Y(C), Harimaya K, Doi T, Kawaguchi K, Okada S, Inoguchi A, Fujiwara M, Iwamoto Y. Clinical characteristics and surgical outcome of the symptomatic ossification of ligamentum flavum at the thoracic level with combined lumbar spinal stenosis. Arch Orthop Trauma Surg 132: 465-470, 2012
- [31] Nakahara H, Matsuda S, Harimaya K, Sakamoto A, Matsumoto Y, Okazaki K, Tashiro Y, Iwamoto Y. Clinical results of open synovectomy for treatment of diffuse pigmented villonodular synovitis of the knee: case series and review of literature. Knee 19: 684-687, 2012
- [32] Li Y, Li X, Fan G, Fukushi J, Matsumoto Y, Iwamoto Y, Zhu Y. Impairment of p53 acetylation by EWS-Fli1 chimeric protein in Ewing family tumors. Cancer Lett. 320: 14-22, 2012
- [33] Kubota K, Saiwai H, Kumamaru H, Kobayakawa K, Maeda T, Matsumoto Y, Harimaya K, Iwamoto Y, Okada S. Neurological Recovery is Impaired by Concurrent, but not by Asymptomatic Pre-existing Spinal Cord Compression after Traumatic Spinal Cord Injury. Spine 37: 1448-1455, 2012
- [34] Yokota K, Sakamoto A, Matsumoto Y, Matsuda S, Harimaya K, Oda Y, Iwamoto Y. Clinical outcome for patients with dedifferentiated chondrosarcoma: a report of 9 cases at a single institute. J Orthop Surg Res. 7: 38, 2012
- [35] Endo M, Yamamoto H, Setsu N, Kohashi K, Takahashi Y, Ishii T, Iida K, Matsumoto Y, Hakozaki M, Aoki M, Iwasaki H, Dobashi Y, Nishiyama K, Iwamoto Y, Oda Y. Prognostic significance of AKT/mTOR and MAPK pathways and antitumor effect of mTOR inhibitor in NF1-related and sporadic malignant peripheral nerve sheath tumors. Clin Cancer Res. 19: 450-461, 2013

- [36] Fujiwara-Okada Y, Matsumoto Y(C), Fukushi J, Setsu N, Matsuura S, Kamura S, Fujiwara T, Iida K, Hatano M, Nabeshima A, Yamada H, Ono M, Oda Y, Iwamoto Y. Y-box binding protein-1 regulates cell proliferation and is associated with clinical outcomes of osteosarcoma. Br J Cancer 108: 836-847, 2013
- [37] Iida K, Fukushi J, Matsumoto Y, Oda Y, Takahashi Y, Fujiwara T, Fujiwara-Okada Y, Hatano M, Nabashima A, Kamura S, Iwamoto Y. miR-125b develops chemoresistance in Ewing sarcoma/primitive neuroectodermal tumor. Cancer Cell Int. 13: 21, 2013
- [38] Kubota K, Doi T, Murata M, Kobayakawa K, Matsumoto Y, Harimaya K, Shiba K, Hashizume M, Iwamoto Y, Okada S. Disturbance of Rib Cage Development Causes Progressive Thoracic Scoliosis: The Creation of a Nonsurgical Structural Scoliosis Model in Mice. J Bone Joint Surg Am. 95: e1301-1307, 2013
- [39] Matsumoto Y(C), Harimaya K, Doi T, Okada S, Hayashida M, Iwamoto Y. Minimum five-year follow-up of selective anterior thoracolumbar or lumbar fusion for adolescent idiopathic scoliosis: an analysis of radiographic parameters relevant to the uppermost instrumented vertebra and postoperative spinal balance. J Spine Res. 4: 933-940, 2013
- [40] Ohishi M, Miyahara H, Kondo M, Nakashima Y, Terada K, Esaki Y, Kobara N, Harimaya K, Matsumoto Y, Iwamoto Y. Characteristics of lumbar scoliosis in patients with rheumatoid arthritis. J Orthop Surg Res. 9: 30, 2014
- [41] Harimaya K, Doi T, Matsumoto Y, Okada S, Hayashida M, Iwamoto Y. Imaging analysis of lumbar intervertebral disc degeneration in professional baseball players. J Spine Res. 5: 855-860, 2014
- [42] Tarukado K, Tono O, Ikuta K, Harimaya K, Matsumoto Y, Okada S, Hayashida M, Iwamoto Y, Doi T. Instability of the vertebrae remains following Balloon Kyphoplasty, Global Spine J 4: 89-92, 2014
- [43] Doi T, Matsumoto Y, Tono O, Tarukado K, Harimaya K, Okada S, Kubota K, Hayashida M, Iwamoto Y. A shallow chest correlates with the aortic position in the normal spine: features resembling those observed in structural scoliosis. Scoliosis 9:14, 2014

- [44] Matsumoto Y(C), Endo M, Harimaya K, Doi T, Hayashida M, Iwamoto Y. Malignant peripheral nerve sheath tumors presenting as spinal dumbbell tumors: clinical outcomes and characteristic imaging features. Eur Spine J. 24: 2119-25, 2015
- [45] Nabeshima A, Matsumoto Y(C), Fukushi J, Iura K, Matsunobu T, Endo M, Fujiwara T, Iida K, Fujiwara Y, Hatano M, Yokoyama N, Fukushima S, Oda Y, Iwamoto Y. Tumour-associated macrophages correlate with poor prognosis in myxoid liposarcoma and promote cell motility and invasion via the HB-EGF-EGFR-PI3K/Akt pathways. Br J Cancer. 112, 547-55, 2015
- [46] Matsumoto Y(C), Matsumoto K, Harimaya K, Okada S, Doi T, Iwamoto Y. Scoliosis in patients with multiple hereditary exostoses. Eur Spine J. 24:1568-1573, 2015
- [47] Hatano M, Matsumoto Y(C), Fukushi J, Matsunobu T, Endo M, Okada S, Iura K, KamuraS, Fujiwara T, Iida K, Fujiwara Y, Nabeshima A, Yokoyama N, Fukushima S, Oda Y, Iwamoto Y. Cadherin-11 regulates the metastasis of Ewing sarcoma cells to bone. Clin Exp Metastasis. 32: 579-91, 2015
- [48] Doi T, Tono O, Tarukado K, Harimaya K, Matsumoto Y, Hayashida M, Okada S, Iwamoto Y. A new sagittal parameter to estimate pelvic tilt using the iliac cortical density line and iliac tilt: a retrospective X-ray measurement study. J Orthop Surg Res. 10: 115, 2015
- [49] Ueda T, Morioka H, Nishida Y, Kakunaga S, Tsuchiya H, Matsumoto Y, Asami Y, Inoue T, Yoneda T. Objective tumor response to denosumab in patients with giant cell tumor of bone: a multicenter phase II trial. Ann Oncol. 26: 2149-2154, 2015
- [50] Bekki H, Harimaya K, Matsumoto Y, Hayashida M, Okada S, Doi T, Iwamoto Y. The Position of the Aorta Relative to the Vertebrae in Patients with Lenke Type 1 Adolescent Idiopathic Scoliosis. Spine 41: 585-590, 2016
- [51] Ishimaru D, Gotoh M, Takayama S, Kosaki R, Matsumoto Y, Narimatsu H, Sato T, Kimata K, Akiyama H, Shimizu K, Matsumoto K. Large-scale mutational analysis in the EXT1 and EXT2 genes for Japanese patients with multiple osteochondromas. BMC Genet. : 17, 52, 2016
- [52] Matsumoto Y(C), Harimaya K, Kawaguchi K, Hayashida M, Okada S, Doi T, Iwamoto Y. Dumbbell Scoring System: A New Method for the Differential Diagnosis of Malignant and Benign Spinal Dumbbell Tumors. Spine 41: E1230-E1236, 2016

- [53] Matsumoto Y(C), Matsunobu T, Harimaya K, Kawaguchi K, Hayashida M, Okada S, Doi T, Iwamoto Y. Bone and soft tissue tumors presenting as sciatic notch dumbbell masses: A critical differential diagnosis of sciatica. *World J Clin Oncol.* 7: 414-419, 2016
- [54] Fukushima S, Matsumoto Y(C), Endo M, Matsumoto Y, Fukushi JI, Matsunobu T, Kawaguchi KI, Setsu N, Iida K, Yokoyama N, Nakagawa M, Yahiro K, Oda Y, Iwamoto Y, Nakashima Y. Hypoxia-inducible Factor 1 alpha is a Poor Prognostic Factor and Potential Therapeutic Target in Malignant Peripheral Nerve Sheath Tumor. *PLoS One* 12: e0178064, 2017
- [55] Iura K, Kenichi K, Yasutake N, Ishii T, Maekawa A, Bekki H, Otsuka H, Yamada Y, Yamamoto H, Ohishi Y, Matsumoto Y, Iwamoto Y, Oda Y. Cancer-testis antigens are predominately expressed in uterine leiomyosarcoma compared to non-uterine leiomyosarcoma. *Oncology Letters* 15 : 441-446, 2018
- [56] Yokoyama N, Matsunobu T, Matsumoto Y, Fukushi J, Endo M, Hatano M, Nabeshima A, Fukushima S, Okada S, and Iwamoto Y. Activation of ERK1/2 Causes Pazopanib Resistance via Downregulation of DUSP6 in Synovial Sarcoma Cells. *Sci Rep.* 7: 45332, 2017
- [57] Saito T, Yokota K, Kobayakawa K, Hara M, Kubota K, Harimaya K, Kawaguchi K, Hayashida M, Matsumoto Y, Doi D, Shiba K, Nakashima Y, Okada S. Experimental Mouse Model of Lumbar Ligamentum Flavum Hypertrophy. *PLoS One* 12: e0169717, 2017
- [58] Sagiyama K, Watanabe Y, Kamei R, Hong S, Kawanami S, Matsumoto Y, Honda H. Multiparametric voxel-based analyses of standardized uptake values and apparent diffusion coefficients of soft-tissue tumours with a positron emission tomography/magnetic resonance system: Preliminary results. *Eur Radiol.* 27: 5024-5033, 2017
- [59] Matsumoto Y(C), Shinoto M, Endo M, Setsu N, Iida K, Fukushi J, Kawaguchi K, Okada S, Bekki H, Imai R, Kamada T, Shioyama Y, Nakashima Y. Evaluation of risk factors for vertebral compression fracture after Carbon-ion radiotherapy for primary spinal and paraspinal sarcoma. *Biomed Res Int.* 9467402, 2017
- [60] Matsumoto Y(C), Baba S, Endo M, Setsu N, Iida K, Fukushi J, Kawaguchi K, Okada S, Bekki H, Isoda T, Kitamura Y, Honda H, Nakashima Y. Metabolic tumor volume by ¹⁸F-FDG PET/CT can predict the clinical outcome of primary malignant spine/spinal tumors. *Biomed Res Int.* 8132676 , 2017

- [61] Iura K, Kohashi K, Ishii T, Maekawa A, Bekki H, Otsuka H, Yamada Y, Yamamoto H, Matsumoto Y, Iwamoto Y, Oda Y. MAGEA4 expression in bone and soft tissue tumors: its utility as a target for immunotherapy and diagnostic marker combined with NY-ESO-1. *Virchows Arch.* 471: 383-392 , 2017
- [62] Saito T, Hara M, Kumamaru H, Kobayakawa K, Yokota K, Kijima K, Yoshizaki S, Harimaya K, Matsumoto Y, Kawaguchi K, Hayashida M, Inagaki Y, Shiba K, Nakashima Y. Macrophage Infiltration is a Causative Factor for Ligamentum Flavum Hypertrophy through the Activation of Collagen Production in Fibroblasts. *Am J Pathol.* 187: 2831-40, 2017
- [63] Matsumoto Y(E), Oyamada A, Wakata Y, Kimura A, Ikuta K, Tsuchiya K, Tayama N, Tomari S, Miyahara H, Mae T, Shiraishi H, Saito T, Arizono T, Kaji K, Mawatari T, Fujiwara M, Sakimura R, Shin K, Ninomiya K, Nakaie K, Antoku Y, Tokunaga S, Nakashima N, Iwamoto Y, Nakashima Y. Characteristics of patients with fragility hip fractures in the northern Kyushu district in Japan: a multicenter prospective registry based on an electronic data capture system. *J Bone Miner Metab.* 36: 596-604, 2018
- [64] Yamamoto H, Iwasaki T, Yamada Y, Matsumoto Y, Otsuka H, Yoshimoto M, Kohashi K, Taguchi K, Yokoyama R, Nakashima Y, Oda Y. Diagnostic utility of histone H3.3G34 W, G34R, and G34 V mutant-specific antibodies for giant cell tumors of bone. *Hum Pathol.* 73 :41-50, 2018
- [65] Iida K, Matsumoto Y, Setsu N, Harimaya K, Kawaguchi K, Hayashida M, Okada S, Nakashima Y. The neurological outcome of radiotherapy versus surgery in patients with metastatic spinal cord compression presenting with myelopathy. *Arch Orthop Trauma Surg.* 138: 7-12 , 2018
- [66] Hara M, Yokota K, Saito T, Kobayakawa K, Kijima K, Yoshizaki S, Okazaki K, Yoshida S, Matsumoto Y, Harimaya K, Nakashima Y, Okada S. Periostin promotes fibroblast migration and inhibits muscle repair after skeletal muscle injury. *J Bone Joint Surg Am.* 100: e108, 2018
- [67] Baba S, Matsumoto Y(C), Tomari S, Yasuhara T, Saiwai H, Matsushita A, Yufu T, Hayashida M, Okada S, Kawaguchi K, Seo K, Ito Y, Nakashima Y. Radiological Examination of Postoperative Cervical Alignment and Stability in Patients with Dialysis-Associated Spondylosis Excluding Destructive Spondyloarthropathy: Comparison with Patients with

Cervical Spondylotic Myelopathy. Spine Surg Relat Res 2: 1-20, 2018

- [68] Yahiro K, Matsumoto Y(C), Fukushi J, Kawaguchi K, Endo M, Setsu N, Iida K, Fukushima S, Nakagawa M, Kimura A, Oda Y, Nakashima Y. Class III β -Tubulin Overexpression Induces Chemoresistance to Eribulin in a Leiomyosarcoma Cell Line. Anal Cellular Pathol. 8987568, 2018
- [69] Matsumoto Y(C), Kawaguchi K, Fukushi J, Endo M, Setsu N, Iida K, Baba S, Saiwai H, Matsushita A, Hayashida M, Okada S, Nakashima Y. Clinical outcome and prognostic factors of malignant spinal dumbbell tumors. Spine Surg Relat Res. 2: 317-323, 2018
- [70] Kawaguchi K, Harimaya K, Matsumoto Y, Hayashida M, Okada S, Iida K, Kato G, Tsuchiya K, Doi T, Oda Y, Iwamoto Y, Nakashima Y. Effect of cartilaginous endplates on extruded disc resorption in lumbar disc herniation. PLoS One. 13: e0195946, 2018
- [71] Bekki H, Harimaya K, Matsumoto Y, Kawaguchi K, Hayashida M, Okada S, Doi T, Nakashima Y. Which Side-bending X-ray is Better to Evaluate the Preoperative Curve Flexibility in Adolescent Idiopathic Scoliosis Patients, Supine or Prone Position? Asian Spine J. 12 : 632-638, 2018
- [72] Tanaka K, Ogawa G, Mizusawa J, Naka N, Kawai A, Takahashi M, Hiruma T, Matsumoto Y, Tsuchiya H, Nakayama R, Hatano H, Emori M, Hosaka M, Yoshida Y, Toguchida J, Abe S, Asanuma K, Yokoyama R, Hiraga H, Yonemoto T, Morii T, Matsumoto S, Nagano A, Yoshikawa H, Fukuda H, Ozaki T, Iwamoto Y. Prospective comparison of various radiological response criteria and pathological response to preoperative chemotherapy and survival in operable high-grade soft tissue sarcomas in the Japan Clinical Oncology Group study JCOG0304. World J Surg Oncol. 16:162, 2018
- [73] Urakawa H, Yonemoto T, Matsumoto S, Takagi T, Asanuma K, Watanuki M, Takemoto A, Naka N, Matsumoto Y, Kawai A, Kunisada T, Kubo T, Emori M, Hiraga H, Hatano H, Tsukushi S, Nishida Y, Akisue T, Morii T, Takahashi M, Nagano A, Yoshikawa H, Sato K, Kawano M, Hiraoka K, Tanaka K, Iwamoto Y, Ozaki T. Clinical outcome of primary giant cell tumor of bone after curettage with or without perioperative denosumab in Japan: from a questionnaire for JCOG 1610 study. World J Surg Oncol. 16:160, 2018
- [74] Koike H, Nishida Y, Kohno K, Shimoyama Y, Motoi T, Hamada S, Kawai A, Ogose A, Ozaki T,

Kunisada T, Matsumoto Y, Matsunobu T, Ae K, Gokita T, Sakai T, Shimizu K, Ishiguro N. Is immunohistochemical staining for β -catenin the definitive pathological diagnostic tool for desmoid-type fibromatosis? A multi-institutional study. Hum Pathol. 84:155-163, 2019

- [75] Kobayakawa K, Ohkawa Y, Yoshizaki S, Tamaru T, Saito T, Kijima K, Yokota K, Hara M, Kubota K, Matsumoto Y, Harimaya K, Ozato K, Masuda T, Tsuda M, Tamura T, Inoue K, Edgerton VR, Iwamoto Y, Nakashima Y, Okada S. Macrophage centripetal migration drives spontaneous healing process after spinal cord injury. Sci Adv. 5: eaav5086, 2019
- [76] Kijima K, Kubota K, Hara M, Kobayakawa K, Yokota K, Saito T, Yoshizaki S, Maeda T, Konno D, Matsumoto Y, Nakashima Y, Okada S. The acute phase serum zinc concentration is a reliable biomarker for predicting the functional outcome after spinal cord injury. EBioMedicine 41: 659-669, 2019
- [77] Baba S, Matsumoto Y(C), Kawaguchi K, Iida K, Saiwai H, Okada S, Matsunobu A, Shioyama Y, Nakashima Y. Post-carbon-ion radiotherapy vertebral pathological fractures in upper cervical primary malignant spinal tumors treated by occipito-cervical fusion. Arch Orthop Trauma Surg. 139: 1525-1531, 2019
- [78] Iida K, Harimaya K, Tarukado K, Tono O, Matsumoto Y, Nakashima Y. Kyphosis Progression after Balloon Kyphoplasty Compared with Conservative Treatment. Asian Spine J. 13: 928-935, 2019
- [79] Hanada M, Kadota H, Yoshida S, Takeuchi N, Okada T, Matsumoto Y, Nakashima Y. Large-defect Resurfacing: A Comparison of Skin Graft Results Following Sarcoma Resection and Traumatic Injury Repair. Wounds 31: 184-192, 2019
- [80] Kimura A, Matsumoto Y(C), Wakata Y, Oyamada A, Ohishi M, Fujiwara T, Ikuta K, Tsuchiya K, Tayama N, Tomari S, Miyahara H, Mae T, Hara T, Saito T, Arizono T, Kaji K, Mawatari T, Fujiwara M, Sakimura R, Shin K, Ninomiya K, Nakaie K, Antoku Y, Tokunaga S, Nakashima N, Iwamoto Y, Nakashima Y. Predictive factors of mortality of patients with fragility hip fractures at 1 year after discharge: A multicenter, retrospective study in the northern Kyushu district of Japan. J Orthop Surg. 27: 2309499019866965, 2019
- [81] Matsumoto Y(C), Matsunobu A, Kawaguchi K, Hayashida M, Iida K, Saiwai H, Okada S, Endo M, Setsu N, Fujiwara T, Baba S, Nomoto S, Nakashima Y. Clinical results of carbon-ion

radiotherapy with separation surgery for primary spine/paraspinal sarcomas. Int J Clin Oncol. 24: 1490-1497, 2019

[82] Nakagawa M, Nakatani F, Matsunaga H, Seki T, Endo M, Ogawara Y, Machida Y, Katsumoto T, Yamagata K, Hattori A, Fujita S, Aikawa Y, Ishikawa T, Soga T, Kawai A, Chuman H, Yokoyama N, Fukushima S, Yahiro K, Kimura A, Shimada E, Hirose T, Fujiwara T, Setsu N, Matsumoto Y, Iwamoto Y, Nakashima Y, Kitabayashi I. Selective inhibition of mutant IDH1 by DS-1001b ameliorates aberrant histone modifications and impairs tumor activity in chondrosarcoma. Oncogene 38: 6835-49, 2019

[83] Nishida Y, Kawai A, Toguchida J, Ogose A, Ae K, Kunisada T, Matsumoto Y, Matsunobu T, Takahashi K, Nishida K, Ozaki T. Clinical features and treatment outcome of desmoid-type fibromatosis: based on a bone and soft tissue tumor registry in Japan. Int J Clin Oncol. 24: 1498-1505, 2019

[84] Tanaka K, Mizusawa J, Naka N, Kawai A, Katagiri H, Hiruma T, Matsumoto Y, Tsuchiya H, Nakayama R, Hatano H, Emori M, Watanuki M, Yoshida Y, Okamoto T, Abe S, Asanuma K, Yokoyama R, Hiraga H, Yonemoto T, Morii T, Ae K, Nagano A, Yoshikawa H, Fukuda H, Ozaki T, Iwamoto Y. Ten-year follow-up results of perioperative chemotherapy with doxorubicin and ifosfamide for high-grade soft-tissue sarcoma of the extremities: Japan Clinical Oncology Group study JCOG0304. BMC Cancer 19: 890, 2019

[85] Fukushi JI, Tsushima H, Matsumoto Y, Mitoma C, Furue M, Miyahara H, Nakashima Y. Influence of dioxin-related compounds on physical function in Yusho incident victims. Heliyon 5: e02702, 2019

[86] Saiwai H, Okada S, Hayashida M, Harimaya K, Matsumoto Y, Kawaguchi KI, Kobayakawa K, Maeda T, Ohta H, Shirasawa K, Tsuchiya K, Terada K, Kaji K, Arizono T, Saito T, Fujiwara M, Iwamoto Y, Nakashima Y. Surgery-related predictable risk factors influencing postoperative clinical outcomes for thoracic myelopathy caused by ossification of the posterior longitudinal ligament: a multicenter retrospective study. J Neurosurg Spine. 1-7, 2019

[87] Nagano A, Matsumoto S, Kawai A, Okuma T, Hiraga H, Matsumoto Y, Nishida Y, Yonemoto T, Hosaka M, Takahashi M, Yoshikawa H, Kunisada T, Asanuma K, Naka N, Emori M, Kubo T, Kawashima H, Kawamoto T, Yokoyama R, Tsukushi S, Sato K, Okamoto T, Hiraoka K, Morioka H, Tanaka K, Takagi T, Iwamoto Y, Ozaki T. Osteosarcoma in patients over 50 years

of age: Multi-institutional retrospective analysis of 104 patients. J Orthop Sci. 25: 319-323, 2020

- [88] Yoshizaki S, Yokota K, Kubota K, Saito T, Tanaka M, Konno DJ, Maeda T, Matsumoto Y, Nakashima Y, Okada S. The beneficial aspects of spasticity in relation to ambulatory ability in mice with spinal cord injury. Spinal Cord. 58: 537-543, 2020
- [89] Yahiro K, Matsumoto Y(C), Yamada H, Endo M, Setsu N, Fujiwara T, Nakagawa M, Kimura A, Shimada E, Okada S, Oda Y, Nakashima Y. Activation of TLR4 signaling inhibits progression of osteosarcoma by stimulating CD8-positive cytotoxic lymphocytes. Cancer Immunol Immunother. 69:745-758, 2020
- [90] Toda Y, Kohashi K, Yamada Y, Yoshimoto M, Ishihara S, Ito Y, Iwasaki T, Yamamoto H, Matsumoto Y, Nakashima Y, Mawatari M, Oda Y. PD-L1 and IDO1 expression and tumor-infiltrating lymphocytes in osteosarcoma patients: comparative study of primary and metastatic lesions. J Cancer Res Clin Oncol. 146: 2607-20, 2020
- [91] Nishida Y, Hamada S, Kawai A, Kunisada T, Ogose A, Matsumoto Y, Ae K, Toguchida J, Ozaki T, Hirakawa A, Motoi T, Sakai T, Kobayashi E, Gokita T, Okamoto T, Matsunobu T, Shimizu K, Koike H. Risk Factors of Local Recurrence after Surgery in Extra-Abdominal Desmoid-Type Fibromatosis: A Multicenter Study in Japan. Cancer Sci. 111: 3303-12, 2020
- [92] Urakawa H, Kawai A, Goto T, Hiraga H, Ozaki T, Tsuchiya H, Nakayama R, Naka N, Matsumoto Y, Kobayashi E, Okuma T, Kunisada T, Ando M, Ueda T, Nishida Y. Phase II trial of pazopanib in patients with metastatic or unresectable chemoresistant sarcomas: A Japanese Musculoskeletal Oncology Group study. Cancer Sci. 111: 3303-12, 2020
- [93] Nio K, Tsuchihashi K, Taguchi K, Yoshihiro T, Yamaguchi K, Ito M, Moriyama S, Fukata M, Fujiwara T, Setsu N, Endo M, Matsumoto Y, Nakashima Y, Wakasaki T, Yasumatsu R, Ariyama H, Kusaba H, Kishimoto J, Akashi K, Baba E. Exploratory retrospective study of risk factors for thromboembolism treated with multi-kinase inhibitor pazopanib or lenvatinib. International Journal of Surgery Oncology. 2020;5(4):e89
- [94] Fujiwara T, Ebihara T, Kitade K, Setsu N, Endo M, Iida K, Matsumoto Y, Matsunobu T, Oda Y, Iwamoto Y, Nakashima Y. Risk Factors of Periprosthetic Infection in Patients with Tumor Prostheses Following Resection for Musculoskeletal Tumor of the Lower Limb. J Clin Med. 9:

- [95] Tsuchihashi K, Kusaba H, Yoshihiro T, Fujiwara T, Setsu N, Endo M, Matsumoto Y, Imajima T, Shinohara Y, Ito M, Yamaga S, Tanoue K, Arimizu K, Ohmura H, Hanamura F, Yamaguchi K, Isobe T, Ariyama H, Nakashima Y, Akashi K, Baba E. Eribulin as a first-line treatment for soft tissue sarcoma patients with contraindications for doxorubicin. *Sci Rep.* 10: 20896, 2020
- [96] Ichigatani A, Hanada M, Kadota H, Yoshida S, Setsu N, Endo M, Matsumoto Y, Nakashima Y. Appropriate wound closure after malignant soft tissue tumor excision: Need for flap surgery in recurrent tumors. *Fukuoka Acta Med.* 111: 86-91, 2020
- [97] Nishida Y, Urakawa H, Nakayama R, Kobayashi E, Ozaki T, Ae K, Matsumoto Y, Tsuchiya H, Goto T, Hiraga H, Naka N, Takahashi S, Ando Y, Ando M, Kuwatsuka Y, Hamada S, Ueda T, Kawai A. Phase II clinical trial of pazopanib for patients with unresectable or metastatic malignant peripheral nerve sheath tumors. *Int J Cancer* 148:140-149, 2021
- [98] Ishihara S, Yamada Y, Iwasaki T, Yoshimoto M, Toda Y, Kohashi K, Yamamoto H, Matsumoto Y, Nakashima Y, Oda Y. PD-L1 and IDO-1 expression in undifferentiated pleomorphic sarcoma: The associations with tumor infiltrating lymphocytes, dMMR and HLA class I. *Oncol Rep.* 45: 379-389, 2021
- [99] Matsumoto Y(C), Saiwai H, Iida K, Okada S, Endo M, Setsu N, Fujiwara T, Kawaguchi K, Nakashima Y. Shape Factor of the Spinal Cord: A Possible Predictor of Surgical Outcome for Intradural Extramedullary Spinal Tumors in the Thoracic Spine. *Global Spine J.*:2192568220982571, 2021
- [100] Saiwai H, Okada S, Hayashida M, Harimaya K, Matsumoto Y, Kawaguchi KI, Iida KI, Kobayakawa K, Yokota K, Maeda T, Tsuchiya K, Arizono T, Saito T, Nakae K, Iwamoto Y, Nakashima Y. Long-term outcomes of spinal meningioma resection with outer layer of dura preservation technique. *J Clin Neurosci.*:68-70, 2021
- [101] Hirose T, Ikegami M, Endo M, Matsumoto Y, Nakashima Y, Mano H, Kohsaka S. Extensive functional evaluation of exon 20 insertion mutations of EGFR. *Lung Cancer* 152: 135-142, 2021
- [102] Yoshizaki S, Tamaru T, Hara M, Kijima K, Tanaka M, Konno DJ, Matsumoto Y, Nakashima Y,

Okada S. Microglial inflammation after chronic spinal cord injury is enhanced by reactive astrocytes via the fibronectin/β1 integrin pathway. J Neuroinflammation 18: 12, 2021

- [103] Harimaya K, Matsumoto Y, Kawaguchi K, Okada S, Saiwai H, Matsushita A, Iida K, Kumamaru H, Saito T, Nakashima Y. Clinical features of multiple spinal schwannomas without vestibular schwannomas. J Orthop Sci.: S0949-2658(21)00089-0, 2021 Epub ahead of print
- [104] Ishihara S, Iwasaki T, Kohashi K, Yamada Y, Toda Y, Ito Y, Susuki Y, Kawaguchi K, Takamatsu D, Kawatoko S, Kiyoza D, Mori T, Kinoshita I, Yamamoto H, Fujiwara T, Setsu N, Endo M, Matsumoto Y, Nakashima Y, Oda Y. The association between the expression of PD-L1 and CMTM6 in undifferentiated pleomorphic sarcoma. J Cancer Res Clin Oncol. 147: 2003-2011, 2021
- [105] Toda Y, Kohashi K, Yamamoto H, Ishihara S, Ito Y, Susuki Y, Kawaguchi K, Kiyoza D, Takamatsu D, Kinoshita I, Yamada Y, Maehara J, Kimura A, Tamiya S, Taguchi K, Matsunobu T, Matsumoto Y, Nakashima Y, Mawatari M, Oda Y. Tumor microenvironment in giant cell tumor of bone: evaluation of PD-L1 expression and SIRP α infiltration after denosumab treatment. Sci Rep. 11: 14821, 2021
- [106] Harimaya K, Matsumoto Y, Kawaguchi K, Saiwai H, Iida K, Nakashima Y. Long- term outcome after en bloc resection and reconstruction of the spinal column and posterior chest wall in the treatment of malignant tumors. J Orthop Sci.: S0949-2658(21)00134-2, 2021 Epub ahead of print
- [107] Shimada E, Matsumoto Y(C), Endo M, Setsu N, Fujiwara T, Yahiro K, Kimura A, Nakashima Y. Clinical benefits of vessel sealing system (LigaSureTM) during surgery for soft tissue sarcoma: a propensity score matching analysis. Jpn J Clin Oncol.:hyab083., 2021 Epub ahead of print.
- [108] Momii K, Fujiwara T, Mae T, Tokunaga M, Iwasaki T, Shiromoto K, Kubota K, Onizuka T, Miura T, Hamada T, Nakamura T, Itokawa T, Iguchi T, Yamashita A, Kikuchi N, Nakaie K, Matsumoto Y, Nakashima Y. Risk factors for excessive postoperative sliding of femoral trochanteric fracture in elderly patients: A retrospective multicenter study. Injury. 2021 Nov;52(11):3369-3376. doi: 10.1016/j.injury.2021.

[109] Matsumoto Y(E), Kanahori M(E), Fujiwara T, Kimura A, Tsutsui T, Arisumi S, Oyamada A, Ohishi M, Ikuta K, Tsuchiya K, Tayama N, Tomari S, Miyahara H, Mae T, Hara T, Saito T, Arizono T, Kaji K, Mawatari T, Fujiwara M, Takasaki M, Shin K, Ninomiya K, Nakae K, Antoku Y, Iwamoto Y, Nakashima Y. Predictive factors of non-treatment and non-persistence to osteoporosis medication after fragility hip fractures at 3 years after discharge: a multicentre, prospective cohort study in the northern Kyushu district of Japan. *Arch Osteoporos*. 2021 Sep 13;16(1):132

[110] Shimada E, Endo M, Matsumoto Y, Tsuchihashi K, Ito M, Kusaba H, Nabeshima A, Nawata T, Maekawa A, Matsunobu T, Setsu N, Fujiwara T, Iida K, Nakagawa M, Hirose T, Kanahori M, Oyama R, Isobe T, Ariyama H, Kohashi K, Yamamoto H, Oda Y, Iwamoto Y, Akashi K, Baba E, Nakashima Y. Does the Use of Peripheral Immune-Related Markers Indicate Whether to Administer Pazopanib, Trabectedin, or Eribulin to Advanced Soft Tissue Sarcoma Patients? *J Clin Med*. 2021 Oct 26;10(21):4972.

[111] Toda Y, Yamada Y, Kohashi K, Ishihara S, Ito Y, Susuki Y, Kawaguchi K, Kinoshita I, Kiyoza D, Mori T, Kuboyama Y, Tateishi Y, Yamamoto H, Fujiwara T, Setsu N, Endo M, Matsumoto Y, Nakashima Y, Mawatari M, Oda Y. Prognostic implication of desmoplastic stroma in synovial sarcoma: A histological review. *Pathol Res Pract*. 2021 Dec;228:153668. doi: 10.1016/j.prp.2021.

[112] Ishihara S, Yamamoto H, Iwasaki T, Toda Y, Yamamoto T, Yoshimoto M, Ito Y, Susuki Y, Kawaguchi K, Kinoshita I, Yamada Y, Kohashi K, Fujiwara T, Setsu N, Endo M, Matsumoto Y, Kakuda Y, Nakashima Y, Oda Y. Histological and immunohistochemical features and genetic alterations in the malignant progression of giant cell tumor of bone: a possible association with TP53 mutation and loss of H3K27 trimethylation. *Mod Pathol*. 2022 May;35(5):640-648.

[113] Negishi T, Matsunobu A, Endo M, Yokoyama R, Kusano S, Furubayashi N, Taguchi K, Shioyama Y, Iida K, Fujiwara T, Setsu N, Matsumoto Y, Nakashima Y, Kohashi K, Yamamoto H, Oda Y, Nakamura M. An Analysis of 20 Cases of Radiation-Associated Sarcoma, Including 4 Cases Treated by Carbon Ion Radiotherapy. *Oncology*. 2022;100(3):148-154.

[114] Shimada E, Matsumoto Y(C), Nakagawa M, Susuki Y, Endo M, Setsu N, Fujiwara T, Iida K, Nabeshima A, Yahiro K, Kimura A, Hirose T, Kanahori M, Oyama R, Oda Y, Nakashima Y. Methylation-mediated silencing of protein kinase C zeta induces apoptosis avoidance through ATM/CHK2 inactivation in dedifferentiated chondrosarcoma. *Br J Cancer*. 2022 May;126(9):1289-1300.

[115] Oda Y, Tanaka K, Hirose T, Hasegawa T, Hiruta N, Hisaoka M, Yoshimoto M, Otsuka H, Bekki H, Ishii T, Endo M, Kunisada T, Hiruma T, Tsuchiya H, Katagiri H, Matsumoto Y, Kawai A, Nakayama R, Kawashima H, Takenaka S, Emori M, Watanuki M, Yoshida Y, Okamoto T, Mizusawa J, Fukuda H, Ozaki T, Iwamoto Y, Nojima T. Standardization of evaluation method and prognostic significance of histological response to preoperative chemotherapy in high-grade non-round cell soft tissue sarcomas. *BMC Cancer*. 2022 Jan 21;22(1):94.

[116] Nakagawa M, Endo M, Susuki Y, Yokoyama N, Maekawa A, Nabeshima A, Iida K, Fujiwara T, Setsu N, Matsunobu T, Matsumoto Y, Yokoyama R, Yamada Y, Kohashi K, Yamamoto H, Oda Y, Iwamoto Y, Nakashima Y. Clinical, Radiological, and Histopathological Characteristics of Periosteal Chondrosarcoma with a Focus on the Frequency of Medullary Invasion. *J Clin Med*. 2022 Apr 6;11(7):2062.

[117] Oyama R, Setsu N, Matsumoto Y, Endo M, Fujiwara T, Iida K, Nabeshima A, Nakashima Y. Efficacy and safety of tranexamic acid in patients undergoing surgery for bone and soft tissue tumors: a propensity score matching analysis. *Jpn J Clin Oncol*. 2022 May 9:hyac078. doi: 10.1093/jjco/hjac078. Epub ahead of print.

[118] Ishihara S, Iwasaki T, Kohashi K, Kawaguchi K, Toda Y, Fujiwara T, Setsu N, Endo M, Matsumoto Y, Nakashima Y, Oda Y. Clinical significance of signal regulatory protein alpha and T cell immunoreceptor with immunoglobulin and immunoreceptor tyrosine-based inhibition motif domain expression in undifferentiated pleomorphic sarcoma. *J Cancer Res Clin Oncol*. 2022 Jun 23. doi: 10.1007/s00432-022-04078-y. Epub ahead of print.

[119] Tanaka K, Machida R, Kawai A, Nakayama R, Tsukushi S, Asanuma K, Matsumoto Y, Hiraga H, Hiraoka K, Watanuki M, Yonemoto T, Abe S, Katagiri H, Nishida Y, Nagano A, Suehara Y, Kawashima H, Kawano M, Morii T, Hatano H, Toguchida J, Okuma T, Takeyama M, Takenaka S, Akisue T, Furuta T, Emori M, Hiruma T, Outani H, Yamamoto T, Kataoka T, Fukuda H, Ozaki T, Iwamoto Y. Perioperative Adriamycin plus ifosfamide vs. gemcitabine plus docetaxel for high-risk soft tissue sarcomas: randomised, phase II/III study JCOG1306. *Br J Cancer*. 2022 Jul 23. doi: 10.1038/s41416-022-01912-5. Epub ahead of print.

[120] Nuclear β -catenin translocation plays a key role in osteoblast differentiation of giant cell tumor of bone Kimura A, Toda Y, Matsumoto Y(C), et al, *Sci Rep*, in press

業績目録・総説・欧文

- [1] Yamaguchi Y, Inatani M, Matsumoto Y, Ogawa J, Irie F. Roles of heparan sulfate in mammalian brain development current views based on the findings from Ext1 conditional knockout studies. Prog Mol Biol Transl Sci. 93: 133-52, 2010
- [2] Okada S, Hara M, Kobayakawa K, Matsumoto Y, Nakashima Y. Astrocyte reactivity and astrogliosis after spinal cord injury. Neurosci Res. 126: 39-43, 2018
- [3] Endo M, Setsu N, Fujiwara T, Ishii T, Nakagawa M, Yahiro K, Kimura A, Shimada E, Nakashima Y, Matsumoto Y. Diagnosis and Management of Subcutaneous Soft Tissue Sarcoma. Curr Treat Options Oncol. 20: 54, 2019
- [4] Yahiro K, Matsumoto Y(C). Immunotherapy for osteosarcoma. Hum Vaccin Immunother. 17: 1294-1295, 2021
- [5] Emori M, Matsumoto Y, Yasutaka Murahashi, Masahiro Yoshida, Yoshihiro Nishida. Efficacy and safety of cyclooxygenase 2 inhibitors for desmoid tumor management: A systematic review, in press

業績目録・症例報告・欧文

- [1] Matsumoto Y(C), Matsuda S, Matono K, Oda Y, Tsuneyoshi M, Iwamoto Y. Intra-articular osteochondroma of the knee joint in a patient with hereditary multiple osteochondromatosis. Fukuoka Acta Med. 98: 425-430, 2007
- [2] Sakamoto A, Imamura S, Matsumoto Y, Harimaya K, Matsuda S, Takahashi Y, Oda Y, Iwamoto Y. Bizarre parosteal osteochondromatous proliferation with an inversion of chromosome 7. Skeletal Radiol. 40: 1487-1490, 2011
- [3] Matsumoto Y(C), Fujiwara T, Imamura R, Okada Y, Harimaya K, Doi T, Kawaguchi K, Okada S, Yamada Y, Oda Y, Iwamoto Y. Hematoma of the ligamentum flavum in the thoracic spine: report of two cases and possible role of the transforming growth factor beta-vascular endothelial growth factor signaling axis in its pathogenesis. J Orthop Sci. 18: 347-354, 2013
- [4] Ishii T, Sakamoto A, Matsuda S, Matsumoto Y, Harimaya K, Takahashi Y, Oda Y, Iwamoto Y. Leiomyosarcoma in the humerus with leukocytosis and elevation of serum G-CSF. Skeletal Radiol. 41: 719-723, 2012
- [5] Kubota K, Okada S, Maeda T, Matsumoto Y, Sakamoto A, Harimaya K, Saiwai H, Kumamaru H, Oda Y, Iwamoto Y. Extradural Nodular Fasciitis Arising in the Spinal Canal. Spine 37: e133-137, 2012
- [6] Sakamoto A, Fukutoku Y, Matsumoto Y, Harimaya K, Oda Y, Iwamoto Y. Myxoid liposarcoma with negative features on bone scan and [18F]-2-fluoro-2-deoxy-D-glucose-positron emission tomography. World J Surg Oncol. 10: 214, 2012
- [7] Matsumoto Y(C), Takahashi Y, Harimaya K, Nakagawa T, Kawaguchi K, Okada S, Hayashida M, Doi T, Sakamoto A, Matsunobu T, Oda Y, Iwamoto Y. Dedifferentiated chondrosarcoma of the cervical spine: a case report. World J Surg Oncol. 11: 32, 2013
- [8] Matsumoto Y(C), Takahashi Y, Haraguchi A, Okamoto T, Harimaya K, Matsunobu T, Endo M, Oda Y, Iwamoto Y. Intraosseous hemangioma arising in the clavicle. Skeletal Radiol. 43: 89-93, 2014
- [9] Okada S, Saito T, Kawano O, Hayashida M, Matsumoto Y, Harimaya K, Iwamoto Y. Sequential

changes of ascending myelopathy after spinal cord injury on MRI: A case report of neurological deterioration from paraplegia to tetraplegia. Spine J. 14: e14-19, 2014

- [10] Matsunobu T, Bekki H, Harimaya K, Matsumoto Y, Endo M, Yoshitake K, Oda Y, Iwamoto Y. Osteosarcoma of the middle and distal phalanges of the little toe with a cancerous ulcer. Int J Case Rep Images 7: 185–189, 2016
- [11] Maehara J, Yamashita K, Hiwatashi A, Togao O, Kikuchi K, Matsumoto Y, Iura K, Oda Y, Honda H. Primary phosphaturic mesenchymal tumour of the lumbar spine: utility of ⁶⁸Ga-DOTATOC PET/CT findings. BJR Case Rep. 2: 20150497, 2016
- [12] Takeuchi N, Matsumoto Y, Okada T, Hanada M, Bekki H, Iwamoto Y Brodie's abscess of the radius in a child J Hand Surg Asian Pac Vol. 22: 244-247, 2017
- [13] Sawai H, Okada S, Kawaguchi KI, Saito T, Hayashida M, Matsushita A, Matsumoto Y, Nakashima Y. Prone position surgery for a professional sumo wrestler with thoracic ossification of the posterior longitudinal ligament resulting in intraoperative brachial plexus injury by hypertrophic pectoral muscles. J Clin Neurosci. 63:227-230, 2019
- [14] Toda Y, Matsumoto Y(C), Morimoto T, Mawatari M, Oda Y, Nakashima Y. En Bloc Resection for a Malignant Spine Tumor After Balloon Kyphoplasty: Histological Findings of a Retrieved Vertebral Body: A Case Report. JBJS Case Connect. 11: doi: 10.2106/JBJS.CC.20.00114, 2021
- [15] Matsushita Y, Hanada M, Matsumoto Y, Kadota H, Nakashima Y. A Double-Barreled Fibular Graft for the Reconstruction of Both Forearm Bones and Humeroradial Joint after a Tumor Resection. J Hand Surg Asian Pac Vol. 2021 Sep;26(3):455-459.
- [16] Oyama R, Iida K, Sawai H, Matsumoto Y, Nakashima Y. Destructive Cervical Spondylitis due to Cutibacterium acnes with Synovitis, Acne, Pustulosis, Hyperostosis, and Osteitis (SAPHO) Syndrome: A Case Report. Mod Rheumatol Case Rep. 2022 Apr 23:rxac035. doi: 10.1093/mrcc/rxac035. Epub ahead of print.
- [17] Toda Y, Morimoto T, Matsumoto Y, Setsu N, Yoshihara T, Aishima S, Oda Y, Nakashima Y, Mawatari M. Application of contralateral osteotomy for the en bloc resection of paraspinal and spinal tumours: a report of three cases. Br J Neurosurg. 2022 May 19:1-7. doi:

10.1080/02688697.2022.2076809. Epub ahead of print.

業績目録・他の形式・欧文

[大規模研究]

- [1] Heng M, Gupta A, Chung PW, Healey JH, Vaynrub M, Rose PS, Houdek MT, Lin PP, Bishop AJ, Hornicek FJ, Chen YL, Lozano-Calderon S, Holt GE, Han I, Biau D, Niu X, Bernthal NM, Ferguson PC, Wunder JS; Japanese Musculoskeletal Oncology Group (JMOG) (Matsumoto Y); Soft Tissue Osteosarcoma International Collaborative (STOIC). The role of chemotherapy and radiotherapy in localized extraskeletal osteosarcoma. Eur J Cancer.;125:130-141, 2020

[Proceedings]

- [1] Matsumoto Y, Tanaka K, Nakatani F, Harimaya K, Matsunobu T, Sakimura R, Hanada M, Li X, Matsuda S, Iwamoto Y. Dual effects of small GTP-binding protein, Rho, on activation of Matrix Metalloproteinase 2 and invasion of human osteosarcoma cells. Keio journal of medicine 50, 62, 2001
- [2] Matsumoto, Y, Tanaka K, Hirata G, Hanada M, Nakatani F, Sakimura R, Matsunobu T, Li X, Matsuda S, Iwamoto Y. POSSIBLE INVOLVEMENT OF VEGF-FLT-1-FAK PATHWAY IN THE ARTHRITIC JOINT DESTRUCTION Transactions of the 48th Annual Meeting of the Orthopaedic Research Society, 2002, Paper No: 0268
- [3] Matsumoto, Y, Nakatani F, Sakimura R, Matsuda S, Iwamoto Y. P27KIP1:PROGNOSTIC VALUE AND NEW TARGET FOR THERAPEUTIC INTERVENTION IN EWING'S SARCOMA FAMILY TUMORS Matsunobu, T, Tanaka, K, Transactions of the 48th Annual Meeting of the Orthopaedic Research Society, 2002, Paper No: 0318
- [4] Nakatani F, Tanaka K, Li X, Matsumoto Y, Matsunobu T, Sakimura R, Hanada M, Iwamoto Y. MECHANISM OF P21 DOWN-REGULATION BY EWS-FLI1 FUSION PROTEIN Transactions of the 48th Annual Meeting of the Orthopaedic Research Society, 2002, Paper No: 321
- [5] Sakimura R, Tanaka K, Matsumoto Y, Nakatani F, Matsunobu T, Matsuda S, Iwamoto Y. ANTITUMOR EFFECTS OF HISTONE DEACETYLASE INHIBITORS ON EWING'S SARCOMA; Transactions of the 48th Annual Meeting of the Orthopaedic Research Society, 2002, Paper No: 329
- [6] Matsuo A, Shuto T, Zhao H, Hirata G, Matsumoto Y, Iwamoto Y. THE BONE AND JOINT PROTECTIVE AND ANTI-INFLAMMATORY EFFECTS OF NEWLY DEVELOPED

THIRD- GENERATION BISPHOSPHONATE IN EXPERIMENTAL ARTHIRITIS
Transactions of the 48th Annual Meeting of the Orthopaedic Research Society, 2002, Paper
No:696

[7] Fujiwara T, Fukushi J, Yamamoto S, Matsumoto Y, Kamura S, Iida K, Okada Y, Iwamoto Y.
Ewing's sarcoma cells induce osteoclastic differentiation of tumor-associated macrophage.
Transactions of the 56th Annual Meeting of the Orthopaedic Research Society, 2002, Paper No:
1661

[Letter]

1. Matsumoto Y. To The Editor. Spine. 42(3): E191-E192, 2017

業績目録・著書（欧文・和文とも）

- 1 松本 嘉寛、田仲 和宏、播磨谷 勝三、坂本 昭夫、岩本 幸英：
悪性骨・軟部腫瘍における間質金属プロテイナーゼ(MMP)の働き。
別冊整形外科 43 骨・軟部腫瘍の診断と治療- 21世紀への展開
南江堂、東京、49-53、2003 (分担執筆)
- 2 松本 嘉寛、田仲 和宏、岩本 幸英
骨肉腫に対する化学療法
NEW MOOK 整形外科 No. 18 特集/ 骨・軟部腫瘍
金原出版、東京、167-174、2005 (分担執筆)
- 3 松本 嘉寛
異物の確認と摘出
整形外科 Knack & Pitfalls 外傷の初期治療の要点と盲点
文光堂、東京、238-239、2007 (分担執筆)
- 4 松本 嘉寛、岩本 幸英
骨転移のメカニズム
最新整形外科学大系 1
中山書店、東京、80-87、2008 (分担執筆)
- 5 松本 嘉寛、福士 純一、岩本 幸英
進行骨肉腫例に対する second-line chemotherapy と新規薬剤の開発- 現状と展望
臨床雑誌 整形外科、
南江堂、東京、815-820、2010 (分担執筆)
- 6 松本 嘉寛
はさみ、メス
整形外科 Knack & Pitfalls 整形外科手術の要点と盲点
文光堂、東京、18-21、2011 (分担執筆)
- 7 松本 嘉寛
術中の止血操作
整形外科 Knack & Pitfalls 整形外科手術の要点と盲点
文光堂、東京、50-57、2011 (分担執筆)

8 松本 嘉寛

腰部脊柱管狭窄症に対する除圧術

整形外科 Knack & Pitfalls 整形外科手術の要点と盲点

文光堂、東京、330-335、2011(分担執筆)

9. 松本 嘉寛

多発性軟骨性外骨腫症

今日の整形外科治療指針(第7版)

医学書院、東京、264、2016(分担執筆)