

CURRICULUM VITAE

NAME: Hiroyuki Tsuchiya, MD, PhD

TITLE: Professor and Chairman, Department of Orthopedic Surgery, Kanazawa University Hospital & Graduate School of Medical Science, Kanazawa University

DATE OF BIRTH : June 29, 1957

PRESENT ADDRESS :

OFFICE : 13-1 Takara-machi, Kanazawa, 920-8641 Japan
Department of Orthopedic Surgery, Graduate School of Medical Science,
Kanazawa University (Tel: 0762-65-2372, Fax: 0762-34-4261)
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EDUCATION :

1983: Medical Doctor, graduated from Kanazawa University, School of Medicine
1988: Doctorate of Medical Science, finished Postgraduated Course of Orthopedic Surgery,
Kanazawa University, School of Medicine
(Thesis: Enhancement of the effect of anticancer agents combined use of caffeine)

FELLOWSHIPS OR STUDY ABROAD :

1991-1992 : Research and Clinical Fellow at the Department of Orthopedic Surgery,
University of Vienna, Austria
1998 : Traveling Fellowship of American Orthopedic Association

ACADEMIC APPOINTMENTS :

1988-1989: Assistant, Department of Orthopedic Surgery, Kanazawa University
1989-1991: Assistant Professor, at the same institute
1991-1999: Lecturer, at the same institute
1999-2010: Associate Professor, Graduate School of Medical Science, Kanazawa University
2006-2010: Clinical Professor, Kanazawa University Hospital
2010- : Professor & Chairman, Department of Orthopedic Surgery, Kanazawa University
Hospital & Graduate School of Medical Science, Kanazawa University

MEMBERSHIPS :

- 1983: Japanese Orthopaedic Association
- 1984: Central Japanese Association of Orthopedic Surgery and Traumatology
- 1986: Japanese Society for Cancer Therapy
Japanese Rehabilitation Society
- 1987: Japanese Cancer Association
- 1989: International Society of Limb Salvage
- 1992: Japanese Association of External Fixation and Limb Lengthening
- 1994: Societe Internationale de Chirurgie Orthopedique et de Traumatologie (SICOT)
Japanese Association of Cancer Metastasis Research
- 1995: Japanese Association for the Study and Application of Ilizarov's Method
International ASAMI
- 1997: ASAMI North America (Limb Lengthening and Reconstruction Society)
- 1998: Japanese Association of Pediatric Orthopedics
- 1999- : 15 other domestic orthopedic associations

Board member:

- Japanese Orthopaedic Association
- Central Japanese Association of Orthopedic Surgery and Traumatology
- International Society of Limb Salvage (ISOLS)
- Japanese Association of External Fixation and Limb Lengthening
- ASAMI-Japan (President 2015~)
- Japan Society of Clinical Oncology

Reviewer:

- Journal of Orthopaedic Science
- Oncology
- American Journal of Clinical Oncology
- International Journal of Clinical Oncology
- Cancer
- Journal of Clinical Oncology

HONORS & AWARDS :

- 1994: Academic Encouragement Award of Japanese Orthopaedic Association
Chemotherapeutic effect on osteosarcoma on basis of collagen analysis:
a proposal of the induction of osteosarcoma differentiation.
- 1995: The Best Scientific Exhibition Award of The 8th International Symposium on Limb Salvage (Florence, Italy)
Marginal excision for osteosarcoma supported by intra-arterial chemotherapy combined with caffeine.
- 1996: Foundation Award from Japanese Orthopaedics and Traumatology Foundation (SICOT Japan)
Caffeine enhancement of cytotoxic effects of cisplatin targeting p53 suppressor oncogene
- 1998: AOA(American Orthopaedic Association)/JOA(Japanese Orthopaedic Association)
Travelling Fellowship
- 1999: Hokkoku Cancer Research Foundation
Caffeine-potentiated chemotherapy for osteosarcoma – Gene therapy with tumor suppressor gene p53 and sensitization of anticancer drugs.
- 2002: ASAMI-Japan Traveling Fellow for ASAMI-NA meeting
- 2003: Best papers from LLRS (ASAMI-North America) 12th Annual Meeting in Boston 2003
External fixation during postoperative chemotherapy
- 2003: The best poster of the 12th International Symposium on Limb Salvage (Rio de Janeiro, Brazil, 2003)
Bone transport with devitalized frozen bone
- 2005: Japanese Foundation for Multidisciplinary Treatment of Cancer
Tailor-made therapy of caffeine-potentiated chemotherapy for high-grade bone and Soft-tissue sarcoma
- 2006: Hokkoku Cancer Research Foundation
- 2007: Memorial Medical Award of Kanazawa City Medical Society
Development of bone and joint reconstruction using tumor-bearing bone frozen by liquid nitrogen for malignant bone tumors
- 2008: Scientific Technical Award from the Minister of Education and Science of Japan
Development of caffeine-potentiated chemotherapy and function-preserving limb salvage surgery

- 2009: Research Grant of The Uehara Memorial Foundation
Cryoimmunology against primary malignant and metastatic bone tumors using Frozen tumor bone and autogenous dendritic cells
- 2009: Excellent Paper Award of 42nd Annual Musculoskeletal Oncology Meeting of Japanese Orthopaedic Association
Antitumor effects of calcium phosphate cement impregnated with anticancer drugs and caffeine
- 2009: Encourage Award of 113th Meeting of Central Japan Orthopedic and Trauma Society
Caffeine-potentiated chemotherapy for high-grade soft-tissue sarcomas
- 2010: Technology Prize of The Surface Finishing Society of Japan
Development of iodine-supporting technology and indication as antimicrobial medical titanium alloy
- 2010: The President Prize of 37th Japan Society of Low Temperature Medicine
Cryoimmunology for malignant bone and soft-tissue tumors
- 2010: The Best Poster Award of 43rd Annual Musculoskeletal Oncology Meeting of Japanese Orthopaedic Association
Clinical results of stage IIB patients with extremity osteosarcoma treated by Caffeine-potentiated chemotherapy
- 2011: Nilolai N. Korpan Award of 38th Japan Society of Low Temperature Medicine
Autograft using tumor bone frozen by liquid nitrogen and cryoimmunology
- 2013: The Best Poster Award of The 17th International Symposium on Limb Salvage
Reconstruction of malignant bone tumors using pedicle tumor-bearing autograft frozen by liquid nitrogen
- 2010-2013: Best Doctor by Best Doctors Japan

AWARDS OF SUPERVISED INVESTIGATION

- 1993: The best poster exhibition (The 7th International Symposium on Limb Salvage, Singapore)
Growth inhibition and differentiation of human osteosarcoma cells induced by 1alpha, 25-dihydroxyvitamin D3: correlation between antitumor effects of 1 alpha, 25-dihydroxyvitamin D3 and its receptor number.
- 1997: ASAMI-Japan Traveling Fellowship (ASAMI-NA)
- 1998: The best poster exhibition (3rd Combined Meeting of the Orthopaedic Research

Societies of the USA, Canada, Europe and Japan, Hamamatsu)

Establishment and characterization of a cisplatin-resistant human osteosarcoma cell line (OST/R).

1999: The best poster exhibition (10th International Symposium on Limb Salvage, Cairns, Australia)

Introduction of a wild-type p53 gene enhances sensitivity to cisplatin and caffeine on human osteosarcoma cells.

1999: ASAMI-JAPN Traveling Fellowship (ASAMI-NA)

2001: The Best Paper (Seikei-saigai gekazassi)

Deformity correction and lengthening in lower extremity using Ilizarov method

2002: ASAMI-Japan Traveling Fellowship (ASAMI-NA)

2003: The Best Poster

(98th Meeting of Central Japan Association of Orthopedic Surgery and Traumatology)

Chemotherapy for the elderly with high-grade soft-tissue sarcoma

2003: ASAMI-Japan Traveling Fellowship (ASAMI-Korea)

2004: The Best Poster

(37th Annual JOA Meeting of Musculoskeletal Tumor)

Gene expression on caffeine enhancement of chemotherapy using cDNA macroarray on osteosarcoma cells

2004: Academic Encouragement Award of Central Japanese Orthopaedic Association

esRAGE expression in enchondroma and chondrosarcoma

2005: ASAMI-Japan Traveling Fellowship (ASAMI-Egypt)

2006: Academic Encouragement Award of Central Japanese Orthopaedic Association

Bone transport with rhBPM-2 loaded hydroxyapatite in rabbits

2007-2015: More than 70 awards

MAJOR RESEARCH INTERESTS :

Clinical Research : Orthopaedic oncology

Limb reconstruction and lengthening

Basic Research : Invasion and metastasis from the standpoint of fibrinolysis

Drug resistance and DNA repair (caffeine)

Gene therapy for bone and soft-tissue sarcoma

Cultured osteoblast implantation for distraction osteogenesis
Growth factors in distraction osteogenesis

PUBLICATIONS :

English publications (other sheets), 421 papers written in Japanese

INVITED LECTURES:

360 lectures (125 lectures in International Congress and foreign countries)

English Publication List

Original Articles

- 1 Tomita K, Tsuchiya H, Nomura S: Dynamic entrapment of the vertebral artery by the nerve branch: a new etiology for transient cervical vertigo. **Neuro-Orthopedics** 4: 36-43, 1987.
- 2 Tsuchiya H, Tomita K, Yasutake H, Ueda Y, Tanaka M, Sasaki T: Growth inhibition and differentiation of murine melanoma B16-BL6 cells caused by the combination of cisplatin and caffeine. **Jpn J Cancer Res** 80: 1246-51, 1989.
- 3 Tomita K, Tsuchiya H: Intermediate results and functional evaluation of limb-salvage surgery for osteosarcoma: An intergroup study in Japan. **J Surg Oncol** 41: 71-6, 1989.
- 4 Tomita K, Tsuchiya H: Caffeine enhancement of the effect of anticancer agents on human sarcoma cells. **Jpn J Cancer Res** 80: 83-8, 1989.
- 5 Tomita K, Tsuchiya H: Enhancement of cytocidal and antitumor effect of cisplatin by caffeine in human osteosarcoma. **Clin Ther** 11: 43-52, 1989.
- 6 Tomita K, Tsuchiya H, Nomura S: Overall results of adjuvant chemotherapy and a chemosensitivity test for osteosarcoma. **Clin Ther** 11: 135-42, 1989.
- 7 Tomita K, Shimozaki E, Tsuchiya H: Improvement of human tumor clonogenic assay using cell culture in soft part sarcoma of the extremity. **J Jpn Soc Cancer Ther** 24: 83-93, 1989.
- 8 Tomita K, Kontani T, Tsuchiya H, Nomura S: Drug resistance and cross-sensitivity in cultured human osteosarcoma cells. **J Jpn Orthop Assoc** 63: 274-81, 1989.
- 9 Tsuchiya H, Tomita K, Morikawa S: Osteosarcoma arising from a multiple exostoses lesion: Case report. **Jpn J Clin Oncol** 20: 296-8, 1990.

- 10 Tomita K, Tsuchiya H: Total sacrectomy and reconstruction for huge sacral tumors. **Spine** 15: 1223-7, 1990.
- 11 Okada Y, Tsuchiya H, Shimizu H, Tomita K, Nakanishi I, Sato H, Seiki M, Yamashita K, Hayakawa T: Induction and stimulation of 92-kD gelatinase/Type IV collagenase production in osteosarcoma and fibrosarcoma cell lines by tumor necrosis factor alpha. **Biochem Biophys Res Commun** 171: 610-7, 1990.
- 12 Ueda Y, Oda Y, Tsuchiya H, Tomita K, Nakanishi I: Immunohistological study on collagenous proteins of benign and malignant human cartilaginous tumors of bone. **Virchows Archiv A Pathol Anat** 417: 291-7, 1990.
- 13 Tsuchiya H, Tomita K, Ohno M, Inaoki M, Kawahara A: Werner's syndrome with quintuplicate malignant tumors: Case report and review of literature. **Jpn J Clin Oncol** 21: 135-42, 1991.
- 14 Tsuchiya H, Tomita K, Yasutake H, Takagi Y, Ueda Y, Kadoya M: Maffucci's syndrome combined with dedifferentiated chondrosarcoma. **Arch Orthop Traumatol Surg** 110: 269-72, 1991.
- 15 Ueda Y, Nakanishi I, Tsuchiya H, Tomita K: Microtubular aggregates in the rough endoplasmic reticulum of sacrococcygeal chordoma. **Ultrastructural Pathology** 15: 77-82, 1991.
- 16 Tsuchiya H, Ohno M, Yasutake H, Tsuchida T, Takagi Y, Shimizu H, Tomita K: Caffeine enhancement of effect of anticancer agents on human osteosarcoma. **Orthop Trans(JBJS)** 15: 519, 1991.
- 17 Morishita H, Tsuchiya H, Tomita K: Growth inhibition and differentiation of human osteosarcoma cells by vitamin D3 in vitro and in vivo. **Orthop Trans(JBJS)** 15: 498-9, 1991.
- 18 Tsuchiya H, Tomita K, Tsuchida T, Ueda Y, Roessner A, Suzuki M: Case report 741

- (chondromyxoid fibroma of T2). **Skeletal Rad** 21: 339-42, 1992.
- 19 Tsuchiya H, Tomita K: Prognosis of osteosarcoma treated by limb salvage surgery: The ten-year intergroup study in Japan. **Jpn J Clin Oncol** 22: 347-53, 1992.
- 20 Tsuchiya H, Yasutake H, Yokogawa A, Baba H, Ueda Y, Tomita K: Effect of chemotherapy combined with caffeine for osteosarcoma. **J Cancer Res Clin Oncol** 118: 567-9, 1992.
- 21 Ueda Y, Oda Y, Kawashima A, Tsuchiya H, Tomita K, Nakanishi I: Collagenous and basement membrane proteins of chordoma: Immunohistochemical analysis. **Histopathology** 21: 345-52, 1992.
- 22 Tsuchiya H, Christ G, Okajima K, Hufnagl P, Seiffert D, Ohno M, Takagi Y, Tomita K, Binder BR: Enhancement of antifibrinolytic activity and thrombogenic activity through consecutive in vivo selections from pulmonary metastases of human fibrosarcoma cells (HT-1080). **Fibrinolysis** 6: 60, 1992.
- 23 Okajima K, Abe H, Tsuchiya H, Okabe H, Takatsuki K, Binder BR: Endothelial cell injury induced by plasmin. **Fibrinolysis** 6: 167, 1992.
- 24 Tsuchiya H, Katsuo S, Ohno M, Takagi Y, Tomita K, Christ G, Okajima K, Seiffert D, Hufnagl P, Kirchheimer JC, Binder BR: The role of fibrinolysis and tissue factor in the formation of lung metastases from human fibrosarcoma cells (HT-1080) in athymic mice. **Orthop Trans(JBJS)** 17: 829, 1993.
- 25 Yasutake H, Tsuchiya H, Tomita K, Matsunaga T, Nikaido O, Mori T: Inhibitory effect of caffeine on potentially lethal damage repair in cisplatin-treated human osteosarcoma cells. **Orthop Trans(JBJS)** 17: 824-5, 1993.
- 26 Tsuchida T, Tomita K, Tsuchiya H, Nakamura S, Yasutaka H, Takagi Y, Katsuo S, Tokuumi Y, Yokogawa A: Anti-tumor activity of staphylococcus epidermidis components in vitro and in vivo. **Orthop Trans(JBJS)** 17: 827-8, 1993.

- 27 Matsuda E, Tsuchiya H, Katsuo S, Abe H, Hufnagl P, Zheng X, Binder BR: Clonal variation of secretion of plasminogen activators and their inhibitor (PAI-1) and the metastatic potential in human fibrosarcoma (HT-1080) cells. **Thromb Haemostas** 69: 29, 1993.
- 28 Tsuchiya H, Morishita H, Tomita K, Ueda Y, Tanaka M: Differentiating and antitumor activities of 1-alpha, 25-dihydroxyvitamin D3 in human osteosarcoma. **J Orthop Res** 11: 122-30, 1993.
- 29 Tsuchiya H, Ueda Y, Morishita H, Nonomura A, Kawashima A, Fellingner EJ, Tomita K: Boderline chondrosarcoma of long and flat bones. **J Cancer Res Clin Oncol** 119: 363-8, 1993.
- 30 Tsuchiya H, Tomita K, Ueda Y, Nakanishi I, Roessner A: Chemotherapeutic effect on osteosarcoma on basis of collagen analysis: a proposal of the induction of osteosarcoma differentiation. **J Cancer Res Clin Oncol** 119: 702-6, 1993.
- 31 Kawashima A, Ueda Y, Tsuchiya H, Tomita K, Nagai Y, Nakanishi I: Immunohistochemical localization of collagenous proteins in cartilaginous tumors: characteristic distribution of type IX collagen. **J Cancer Res Clin Oncol** 120: 35-40, 1993.
- 32 Baba H, Furusawa N, Imura S, Kawahara N, Tsuchiya H, Tomita K: Late radiographic findings after anterior cervical fusion for spondylotic myeloradiculopathy. **Spine** 18: 2167-73, 1993.
- 33 Ikeda K, Tsuchiya H, Shimosaki E, Tomita K: Use of latissimus dorsi flap for reconstruction with prostheses after tumor resection. **Microsurgery** 15: 73-6, 1994.
- 34 Nonomura A, Mizukami Y, Shimizu J, Watanabe Y, Kamimura R, Takashima T, Tsuchiya H, Tomita K: Simultaneous occurrence of lung adenocarcinoma and fibular osteosarcoma in a 13-year-old girl. **Thorac Cardiovasc Surgeon** 42: 61-3, 1994.

- 35 Krepler P, Tsuchiya H, Katsuo S, Tomita K: Rhabdomyoblastic differentiation after chemotherapy in malignant Triton tumor -A case report. **Oncol Rep** 1: 89-91, 1994.
- 36 Tsuchiya H, Tomita K, Yasutake H, Takagi Y, Katsuo S, Tokuumi Y, Sugihara M: Intraarterial cisplatin and caffeine with/without doxorubicin for musculoskeletal high-grade spindle cell sarcoma. **Oncol Rep** 1: 27-36, 1994.
- 37 Tomita K, Kawahara N, Baba H, Tsuchiya H, Nagata S, Toribatake Y: Total en bloc spondylectomy for solitary spinal metastases. **International Orthop** 18:291-8, 1994.
- 38 Kawashima A, Nakanishi I, Tsuchiya H, Roessner A, Obata K, Okada Y: Expression of matrix metalloproteinase 9 (92-kDa gelatinase/type IV collagenase) induced by tumour necrosis factor alpha correlates with metastatic ability in a human osteosarcoma cell line. **Virchows Arch** 424: 547-52, 1994.
- 39 Tsuchiya H, Tomita K, Tsubota S, Shinokawa Y, Sunayama C: Application of an external fixator for the treatment of bone and soft-tissue tumor. **Orthop Trans(JBJS)** 18: 1206, 1994.
- 40 Matsuda E, Tsuchiya H, Katsuo S, Tomita K, Abe H, Hufnagl P, Zheng X, Binder BR: Lung metastasis formation and PAI-1 expression in human fibrosarcoma (HT-1080) clones. **Orthop Trans(JBJS)** 18: 593, 1994.
- 41 Matsuda E, Tsuchiya H, Hufnagl P, Zheng X, Wojta J, Binder BR: Effect of anticoagulation and inhibition of type 1 plasminogen activator inhibitor (PAI-1) activity on initial arrest and lung metastasis formation in anude mouse model with selected clones of human fibrosarcoma (HT-1080) cells. **Fibrinolysis** 8: 7, 1994.
- 42 Tsuchiya H, Tomita K, Matsumoto T, Watanabe S: Shepherd's crook deformity with an intracapsular femoral neck fracture in fibrous dysplasia. **Clin Orthop** 310:160-164, 1995.

- 43 Tsuchiya H, Katsuo S, Matsuda E, Sunayama C, Tomita K, Ueda Y, Binder BR: The antibody to plasminogen activator inhibitor-1 suppresses pulmonary metastases of human fibrosarcoma in athymic mice. **General Diagnostic Pathology** 141:41-8, 1995.
- 44 Yasutake H, Tsuchiya H, Tomita K, Matsunaga T, Nikaido O, Mori T: Inhibitory effect of caffeine on potentially lethal damage repair in cisplatin-treated human osteosarcoma cells. **Anticancer Res** 15:831-8, 1995.
- 45 Tsuchiya H, Tomita K: Chemotherapy enhanced by a DNA-repair inhibiting agent (caffeine) and conservative surgery for musculoskeletal sarcomas. **Anticancer Res** 15: 1713, 1995.
- 46 Asada N, Tsuchiya H, Mori Y, Tomita K: Mechanism of synergistic antitumor effects of caffeine as biochemical modulator on human osteosarcoma cells. **Anticancer Res** 15: 1632, 1995.
- 47 Mori Y, Tsuchiya H, Tsuchida T, Asada N, Tomita K: Disappearance of Ewing's sarcoma following bacterial infection. A case report. **Anticancer Res** 15: 1780-1, 1995.
- 48 Tsuchiya H, Tomita K, Tokuumi Y, Sugihara M, Matsuda E: Intra-arterial chemotherapy with caffeine and marginal excision for osteosarcoma: function preserving limb salvage surgery. **Orthop Trans(JBJS)** 19: 509-10, 1995.
- 49 Tokuumi Y, Tsuchiya H, Sunayama C, Asada N, Tomita K: Correlation between the number of 1, 25 alfa dihydroxyvitamin D3 receptor, and growth inhibition and differentiation of human osteosarcoma cells induced by vitamin D3. **Orthop Trans(JBJS)** 19: 1100-1, 1995.
- 50 Tsuchiya H, Tomita K, Minematsu K, Mori Y, Asada N: Distraction osteogenesis (Ilizarov method) for massive bone defects after tumor resection. **Orthop Trans(JBJS)** 20: 183, 1996.
- 51 Minematsu K, Tsuchiya H, Tsubota S, Taki J, Tomita K: Blood flow measurement during

- distraction osteogenesis. **Orthop Trans(JBJS)** 20: 236-7, 1996.
- 52 Asada N, Tsuchiya H, Sunayama C, Matsuda E, Tomita K: Intra-arterial chemotherapy combined with caffeine and limb salvage surgery for soft tissue sarcomas. **Orthop Trans(JBJS)** 20: 186-7, 1996
- 53 Tsuchiya H, Tomita K, Shinokawa Y, Minematsu K, Katsuo S, Taki J: The Ilizarov method in the management of giant-cell tumours of the proximal tibia. **J Bone Joint Surg** 78-B: 264-9, 1996.
- 54 Ueda Y, Imai K, Tsuchiya H, Fujimoto N, Nakanishi I, Katsuda S, Seiki M, Okada Y: Matrix metalloprotease 9 (gelatinase B) is expressed in multinucleated giant cells of human giant cell tumor of bone and is associated with vascular invasion. **Am J Pathol** 148: 611-22, 1996.
- 55 Okada G, Ryoyama K, Nomura T, Momoi T, Tsuchiya H, Kameyama T, Yamaguchi K: Carcinogen-induced de novo methylation in c-myc exon I. **Jpn J Med Sci Biol** 49: 209-18, 1996.
- 56 Tsuchiya H, Sunayama C, Okada G, Tomita K, Binder BR: Plasminogen activator inhibitor-1 accelerates lung metastases of human fibrosarcoma. **Anticancer Res** 17: 313-6, 1997.
- 57 Tsuchiya H, Tomita K, Minematsu K, Mori Y, Asada N: Limb salvage using distraction osteogenesis. A classification of the technique. **J Bone Joint Surg** 79-B: 403-11, 1997.
- 58 Mori Y, Tsuchiya H, Tsuchida T, Asada N, Nojima T, Tomita K: Disappearance of Ewing's sarcoma following bacterial infection. A case report. **Anticancer Res** 17: 1391-8, 1997.
- 59 Asada N, Tsuchiya H, Mori Y, Kitaoka K, Tomita K: Massive aoutoclaved aloografts and autografts for limb salvage surgery. **Acta Orthopedica Scandinavia** 68: 392-5, 1997.

- 60 Tomita K, Kawahara N, Baba H, Tsuchiya H, Fujita T, Toribatake Y: Total en bloc spondylectomy. A new surgical technique for primary malignant vertebral tumors. **Spine** 22: 324-33, 1997.
- 61 Taki J, Sumiya H, Tsuchiya H, Tomita K, Nonomura A, Tonami N: Evaluating benign and malignant bone and soft-tissue lesions with Technetium-99m-MIBI scintigraphy. **J Nucl Med** 38: 501-6, 1997.
- 62 Hori A, Sumiya H, Taki J, Tonami N, Tsuchiya H, Tomita K: Thallium-201 SPECT in differentiating bone infarction from metastatic lesion in osteosarcoma. **Clin Nucl Med** 22: 752-5, 1997.
- 63 Tsuchiya H, Tomita K, Minematsu K, Mori Y, Asada N, Kitano S: Limb salvage using distraction osteogenesis. **Orthop Trans(JBJS)** 21: 393-4, 1997.
- 64 Minematsu K, Tsuchiya H, Shinokawa Y, Taki J, Tomita K: The ability of callus formation during distraction osteogenesis after chemotherapy. **Orthop Trans(JBJS)** 21: 304-5, 1997.
- 65 Mori Y, Tsuchiya H, Asada N, Kitano S, Tomita K: Caffeine-assisted chemotherapy and surgical minimization for stage IIB osteosarcoma. **Orthop Trans(JBJS)** 21: 336, 1997.
- 66 Tsuchiya H, Tomita K, Morinaga T, Kitano S: Intra-arterial chemotherapy combined with caffeine and minimized surgery for nonmetastatic osteosarcoma. **Reg Cancer Treat (Suppl)** 1: 23, 1997.
- 67 Tsuchiya H, Tomita K, Morinaga T, Kitano S: Intra-arterial chemotherapy for soft-tissue sarcoma. **Reg Cancer Treat (Suppl)** 1: 26, 1997.
- 68 Tsuchiya H, Kitano S, Morinaga T, Tomita K: Radio-chemotherapy combined with caffeine for soft-tissue sarcoma. A preliminary report. **Reg Cancer Treat (Suppl)** 1: 26, 1997.

- 69 Kitano S, Tsuchiya H, Mori Y, Asada N, Yamamoto N, Tomita K: Additional wide resection for soft tissue sarcoma after unplanned excision. **Orthop Trans(JBJS)** 22: 278, 1998.
- 70 Tsuchiya H, Tomita K, Minematsu K, Mori Y, Asada N, Kitano S: Knee joint preservation and periarticular reconstruction using distraction osteogenesis for osteosarcoma. **Orthop Trans(JBJS)** 22: 277-8, 1998.
- 71 Tsuchiya H, Tomita K, Asada N, Morinaga T, Yamamoto N: Periarticular reconstruction using distraction osteogenesis after en bloc tumor resection. **Orthop Trans(JBJS)** 22: 172, 1998.
- 72 Minematsu K, Tsuchiya H, Tomita K: Prediction of callus formation in distraction osteogenesis. **Orthop Trans(JBJS)** 22: 262-3, 1998.
- 73 Minematsu K, Tsuchiya H, Taki J, Tomita K: Blood flow measurement during distraction osteogenesis. **Clin Orthop** 47: 229-35, 1998.
- 74 Tsuchiya H, Tomita K, Mori Y, Asada N, Kitano S, Morinaga T, Yamamoto N: Caffeine-assisted chemotherapy and minimized tumor excision for nonmetastatic osteosarcoma. **Anticancer Res** 18: 657-66, 1998.
- 75 Tsuchiya H, Tomita K, Yamamoto N, Mori Y, Asada N: Caffeine-potentiated chemotherapy and conservative surgery for high-grade soft tissue sarcomas. **Anticancer Res** 18: 3651-6, 1998.
- 76 Asada N, Tsuchiya H, Ueda Y, Tomita K: Establishment and characterization of an acquired cisplatin-resistant subline in a human osteosarcoma cell line. **Anticancer Res** 18: 1765-8, 1998.
- 77 Taki J, Sumiya H, Asada N, Ueda Y, Tsuchiya H, Tonami N: Assessment of P-glycoprotein in patients with malignant bone and soft-tissue tumors using technetium-99m-MIBI scintigraphy. **J Nucl Med** 39: 1179-84, 1998.

- 78 Sumiya H, Taki J, Tsuchiya H, Nonomura A, Miyauchi T, Tonami N: Midcourse thallium-201 scintigraphy to predict tumor response in bone and soft-tissue tumors. **J Nucl Med** 39:1600-4, 1998.
- 79 Tsubota S, Tsuchiya H, Shinokawa Y, Tomita K: Transplantation of osteoblast-like cells to the distracted callus in rabbits. **J Bone Joint Surg** 81-B: 125-9, 1999.
- 80 Tsuchiya H, Tomita K, Mori Y, Asada N, Yamamoto N: Marginal excision for osteosarcoma with caffeine assisted chemotherapy. **Clin Orthop** 358: 27-35, 1999.
- 81 Tsuchiya H, Kitano S, Tomita K: Periarticular reconstruction using distraction osteogenesis. **Arch Am Acad Orthop Surg** 2: 68-75, 1999.
- 82 Asada N, Tsuchiya H, Tomita K: De novo deletions of p53 gene and wild-type p53 correlate with acquired cisplatin-resistance in human osteosarcoma OST cell line. **Anticancer Res** 19: 5131-8, 1999.
- 83 Tsuchiya H, Mori Y, Ueda Y, Okada G, Tomita K: Sensitization and caffeine potentiation of cisplatin cytotoxicity resulting from introduction of wild-type p53 gene in human osteosarcoma. **Anticancer Res** 20: 235-42, 2000.
- 84 Takeda A, Tsuchiya H, Mori Y, Nonomura A, Tomita K: Extraskeletal myxoid chondrosarcoma with multiple skeletal metastases. **J Orthop Sci** 5: 171-4, 2000.
- 85 Mori Y, Tsuchiya H, Karita M, Nonomura A, Nojima T, Tomita K: Malignant transformation of a giant cell tumor 25 years after initial treatment. **Clin Orthop** 381: 185-91, 2000.
- 86 Tsuchiya H, Yamamoto N, Asada N, Terasaki T, Kanazawa Y, Takanaka T, Nishijima H, Tomita K: Caffeine-potentiated radiochemotherapy and function-saving surgery for high-grade soft tissue sarcoma. **Anticancer Res** 20: 2137-43, 2000.

- 87 Horii T, Tsuchiya H, Tomita K: Presacral tumor associated with the Currarino triad in an adolescent. **Arch Orthop Traumatol Surg** 121: 114-6, 2001.
- 88 Takeda A, Tsuchiya H, Mori Y, Tanaka S, Kikuchi S, Tomita K: Anatomic aspects of biopsy of proximal fibula. **International Orthop** 24: 335-7, 2001.
- 89 Uehara K, Tsuchiya H, Kabata T, Sakurakichi K, Tomita K: Ankle arthrodesis and tibial lengthening for congenital sensory neuropathy with anhidrosis. **J Orthop Sci** 6: 430-4, 2001.
- 90 Tsuchiya H, Morinaga T, Taki J, Sumiya H, Matsui O, Tomita K: Effect of myocutaneous inflammatory changes caused by intra-arterial chemotherapy on the outcome of patients who undergo limb-saving surgery. **Cancer** 91: 2447-53, 2001.
- 91 Abdel-Wanis ES, Tsuchiya H, Kawahara N, Tomita K: Tumor growth potential after tumoral and instrumental contamination: an in-vivo comparative study of T-saw, Gigli saw, and scalpel. **J Orthop Sci** 6: 424-9, 2001.
- 92 Abdel-Wanis ME, Tsuchiya H, Minato H, Morinaga T, Yamamoto N, Tomita K: Bilateral symmetrical cysts in the upper tibiae in a skeletally mature patient: might they be simple bone cyst? **J Orthop Sci** 6: 595-600, 2001.
- 93 Abdel-Wanis ME, Tsuchiya H: Simple bone cyst is not a single entity: point of view based on a literature review. **Medical Hypothesis** 58: 87-91, 2002.
- 94 Tsuchiya H, Abdel-Wanis ME, Uehara K, Takagi Y, Yasutake H, Tomita K: Cannulation of simple bone cyst. **J Bone Joint Surg** 84-B: 245-8, 2002.
- 95 Tsuchiya H, Abdel-Wanis M, Uehara K, Sakurakichi K, Kabata T, Tomita K: Deformity correction followed by lengthening with the Ilizarov method. **Clin Orthop** 402: 176-83, 2002.
- 96 Akamaru T, Kawahara N, Tsuchiya H, Kobayashi T, Murakami H, Tomita K: Healing of

- autologous bone in a titanium mesh cage used in anterior column reconstruction after total spondylectomy. **Spine** 27: 329-33, 2002.
- 97 Sakurakichi K, Tsuchiya H, Uehara K, Kabata T, Tomita K: The relationship between distraction length and treatment indices during distraction osteogenesis. **J Orthop Sci** 7: 298-303, 2002.
- 98 Abdel-Wanis ME, Tsuchiya H, Uehara K, Tomita K: Minimal curettage, multiple drilling and continuous decompression through a cannulated screw for treatment of calcaneal simple bone cysts in children. **J Paediatr Orthop** 22: 540-3, 2002.
- 99 Tsuchiya H, Kanazawa Y, Abdel-Wanis M, Asada N, Abe S, Isu K, Sugita T, Tomita K: Effect of timing of pulmonary metastases identification on prognosis of patients with osteosarcoma: The Japanese Musculoskeletal Oncology Group Study. **J Clin Oncol** 20: 3470-7, 2002.
- 100 Tsuchiya H, Abdel-Wanis ME, Sakurakichi K, Yamashiro T, Tomita K: The natural limb is the best: joint preservation and reconstruction by distraction osteogenesis for high-grade juxta-articular osteosarcomas. **Anticancer Res** 22:2373-6, 2002.
- 101 Higuchi T, Taki J, Sumiya H, Kinuya S, Bunko H, Nonomura A, Tsuchiya H, Tonami N: Intense 201-Tl uptake in giant-cell tumour of bone. **Nucl Med Commun** 23: 595-9, 2002.
- 102 Kitano S, Ueda Y, Tsuchiya H, Tomita K: Expression of Fas ligand in human osteosarcoma. **Int J cancer** Suppl 13: 165, 2002.
- 103 Asada N, Tsuchiya H, Tomita K, Nagayama S, Toguchida J: Analysis of DNA base arrangement of p53 gene in a hereditary osteosarcoma family. **Int J cancer** Suppl 13: 189-90, 2002.
- 104 Tsuchiya H, Mori Y, Asada N, Takazawa K, Yamamoto N, Terasaki T, Kanazawa Y, Ii S, Tomita K: Caffeine-potentiated chemotherapy and intentional marginal excision for

- osteosarcoma. **Int J cancer** Suppl 13: 277-8, 2002.
- 105 Tsuchiya H, Kanazawa Y, Abdel-Wanis M, Asada N, Abe S, Isu K, Sugita T, Tomita K: Effect of timing of pulmonary metastases on prognosis of 280 patients with osteosarcoma: The Japanese Musculoskeletal Oncology Group Study. **Int J cancer** Suppl 13: 278, 2002.
- 106 Takeda A, Tsuchiya H, Tajino T, Kikuchi S: Inhibitory effects on pulmonary metastases of low-dose consecutive administration of cisplatin-comparison with bolus injection on tumor bearing mice-. **Int J cancer** Suppl 13: 278, 2002.
- 107 Mori Y, Tsuchiya H, Ueda Y, Okada G, Tomita K: Sensitization and caffeine potentiation of cisplatin cytotoxicity resulting from introduction of wild-type p53 gene in human osteosarcoma. **Int J cancer** Suppl 13: 330, 2002.
- 108 Tsuchiya H, Terasaki T, Takazawa K, Yamamoto N, Kanazawa Y, Ii S, Tomita K: Caffeine-potentiated chemotherapy for high-grade soft tissue sarcoma. **Int J cancer** Suppl 13: 423, 2002.
- 109 Yamamoto N, Gupta A, Xu M, Miki K, Tsujimoto Y, Mossa AR, Tsuchiya H, Tomita K, Hoffman RM: Introduction of apoptosis in Bcl-2 overproducing lung cancer cells by selenomethionine-prodrug MET-gene therapy. **Int J cancer** Suppl 13: 449, 2002.
- 110 Abdel-Wanis M, Tsuchiya H: Melatonin deficiency and fibrous dysplasia: might a relation exist? **Med Hypotheses** 59: 552, 2002.
- 111 Tsuchiya H, Abdel-Wanis ME, Sakurakichi K, Yamashiro T, Tomita K: Osteosarcoma around the knee: Intraepiphyseal excision and biological reconstruction with distraction osteogenesis. **J Bone Joint Surg** 84-B: 1162-6, 2002.
- 112 Taki J, Sumiya H, Higuchi T, Tsuchiya H, Takazawa K, Tomita K, Tonami N: Prediction of myocutaneous adverse side effect due to intra-arterial chemotherapy by intra-arterial (99m)Tc-macroaggregated albumin administration in patients with bone and

- soft-tissue tumors. **J Nucl Med** 43: 1452-6, 2002.
- 113 Tsuchiya H, Abdel-Wanis M, Kanazawa Y, Tomita K, Briccoli A, Rocca M: Prognostic value of timing of pulmonary metastases identification in osteosarcoma patients. **J Clin Oncol** 21: 177-8, 2003.
- 114 Sakurakichi K, Tsuchiya H, Uehara K, Kabata T, Yamashiro T, Tomita K: Ankle arthrodesis combined with tibial lengthening using the Ilizarov apparatus. **J Orthop Sci** 8: 20-5, 2003.
- 115 Yamamoto N, Tsuchiya H, Nojima N, Sumiya H, Tomita K: Histological and radiological analysis of autoclaved bone 2 years after extirpation. **J Orthop Sci** 8: 16-9, 2003.
- 116 Tsuchiya H, Tomita K: Distraction osteogenesis for treatment of bone loss in the lower extremity. **J Orthop Sci** 8: 116-24, 2003.
- 117 Higuchi T, Taki J, Nakajima K, Kinuya S, Nonomura A, Tsuchiya H, Bunko H, Namura M, Tonami N: Differentiation of soft tissue haemangioma by 201Tl scintigraphy. **Nucl Med Commun** 24: 327-30, 2003.
- 118 Kawano M, Taki J, Tsuchiya H, Tomita K, Tonami N: Predicting the outcome of distraction osteogenesis by 3-phase bone scintigraphy. **J Nucl Med** 44: 369-74, 2003.
- 119 Takeda A, Tsuchiya H, Tajino T, Sato K, Kikuchi S: Inhibitory effects on pulmonary metastases of low-dose consecutive administration of cisplatin on sarcoma-bearing mice. **Anticancer Res** 23: 309-14, 2003.
- 120 Yamamoto N, Yang M, Jiang P, Tsuchiya H, Tomita K, Moossa AR, Hoffman RM: Real-time GFP imaging of spontaneous HT-1080 fibrosarcoma lung metastases. **Clin Exp Metastasis** 20: 181-5, 2003.
- 121 Yamamoto N, Tsuchiya H, Tomita K: Effects of liquid nitrogen treatment on the

- proliferation of osteosarcoma and biomechanical properties of normal bone. **J Orthop Sci** 8: 374-80, 2003.
- 122 Abdel-Wanis ME, Tsuchiya H, Kawahara N, Tomita K: Growth after rubbing by tumor cut surface: Comparative study between threadwire saw-cut and bluntly-cut tumors. **J Musculoskeletal Res** 7: 71-8, 2003.
- 123 Sato W, Ohnishi I, Nishimura N, Nakase T, Tsuchiya H, Hirose M, Matsushita T, Hirasawa Y, Nakamura K: Correction of tibial deformity in adults. **J Orthop Sci** 8: 306-12, 2003.
- 124 Yamamoto N, Gupta A, Xu M, Miki K, Tsujimoto Y, Tsuchiya H, Tomita K, Moossa AR, Hoffman RM: Methioninase gene therapy with selenomethionine induces apoptosis in bcl-2-overproducing lung cancer cells. **Cancer Gene Ther** 10: 455-450, 2003.
- 125 Yamamoto N, Yang M, Jiang P, Xu M, Tsuchiya H, Tomita K, Moossa AR, Hoffman RM: Determination of clonality of metastasis by cell-specific color-coded fluorescent-protein imaging. **Cancer Res** 63: 7785-90, 2003.
- 126 Takazawa K, Tsuchiya H, Yamamoto N, Nonomura A, Suzuki M, Taki J, Tomita K: Osteosarcoma arising from desmoplastic fibroma treated 16 years earlier: a case report. **J Orthop Sci** 8: 864-8, 2003.
- 127 Tsuchiya H, Sakurakichi K, Uehara K, Yamashiro T, Tomita K: Gradual closed correction of equinus contracture using the Ilizarov apparatus. **J Orthop Sci** 8: 802-6, 2003.
- 128 Kanazawa Y, Tsuchiya H, Nonomura A, Takazawa K, Yamamoto N, Tomita K: Intentional marginal excision of osteosarcoma of the proximal fibula to preserve limb function. **J Orthop Sci** 8: 757-61, 2003.
- 129 Tsuchiya H, Subasi M, Kapukaya A: Distraction osteogenesis for treatment of bone loss in the lower extremity. **J Orthop Sci** 8: 882-4, 2003.

- 130 Yamamoto N, Yang M, Jiang P, Xu M, Tsuchiya H, Tomita K, Moossa AR, Hoffman RM: Real-time imaging of individual fluorescent-protein color-coded metastatic colonies in vivo. **Clin Exp Metastasis** 20: 633-8, 2003.
- 131 Sakurakichi K, Tsuchiya H, Uehara K, Yamashiro T, Tomita K, Azuma Y: Effects of timing of low-intensity pulsed ultrasound on distraction osteogenesis. **J Orthop Res** 22: 395-403, 2004.
- 132 Kawahara M, Kagiya H, Kanazawa Y, Tsuchiya H, Tomita K, Yokogawa K, Miyamoto K: Rapid determination method of caffeine and application to monitoring of caffeine-assisted chemotherapy. **Biopharm Drug Dispos** 25: 61-7, 2004.
- 133 Karita M, Tsuchiya H, Yamamoto N, Tomita K: Caffeine-potentiated chemotherapy for high-grade soft tissue sarcoma. **J Chemotherapy** 16 (Suppl 1): 217, 2004.
- 134 Tsuchiya H, Karita M, Yamamoto N, Shirai T, Nishida H, Hayashi M, Tomita K: Caffeine-potentiated chemotherapy and intentional minimized surgery for osteosarcoma. **J Chemotherapy** 16 (Suppl 1): 218, 2004.
- 135 Ii S, Tsuchiya H, Takazawa K, Minato H, Tomita K: Adamantinoma of the proximal femur: a case report. **J Orthop Sci** 9: 152-6, 2004.
- 136 Terasaki T, Kyo S, Takakura M, Maida Y, Tsuchiya H, Tomita K, Inoue M: Analysis of telomerase activity and telomere length in bone and soft tissue tumors. **Oncol Rep** 11: 1307-11, 2004.
- 137 Yamamoto N, Jiang P, Yang M, Xu M, Yamauchi K, Tsuchiya H, Tomita K, Wahl GM, Moossa AR, Hoffman RM: Cellular dynamics visualized in live cells in vitro and in vivo by differential dual-color nuclear-cytoplasmic fluorescent-protein expression. **Cancer Res** 64: 4251-6, 2004.
- 138 Karita M, Tsuchiya H, Sakurakichi K, Tomita K: Osteofibrous dysplasia treated with

- distraction osteogenesis: a report of two cases. **J Orthop Sci** 9: 516-20, 2004.
- 139 Tsuchiya H, Sakurakichi K, Yamashiro T, Watanabe K, Inoue Y, Yamamoto N, Tomita K: Bone transport with frozen devitalized bone: an experimental study using rabbits and a clinical application. **J Orthop Sci** 9: 619-24, 2004.
- 140 Shirai T, Tsuchiya H, Yamamoto N, Sakurakichi K, Karita M, Tomita K: Successful management of complications from distraction osteogenesis after osteosarcoma resection: a case report. **J Orthop Sci** 9: 638-42, 2004.
- 141 Yamamoto N, Yang M, Jiang P, Xu M, Yamauchi K, Tsuchiya H, Tomita K, Moossa AR, Hoffman RM: Color coding cancer cells with fluorescent proteins to visualize in vivo cellular interaction in metastatic colonies. **Anticancer Res** 24: 4067-72, 2004.
- 142 Tsuchiya H, Wan SL, Sakayama K, Yamamoto N, Nishida H, Tomita K: Reconstruction using an autograft containing tumour treated by liquid nitrogen. **J Bone Joint Surg** 87-B: 218-25, 2005.
- 143 Yamauchi K, Yang M, Jiang P, Yamamoto N, Xu M, Amoh Y, Tsuji K, Bouvet M, Tsuchiya H, Tomita K, Moossa AR, Hoffman RM: Real-time in vivo dual-color imaging of intracapillary cancer cell and nucleus deformation and migration. **Cancer Res** 65: 4246-52, 2005.
- 144 Kabata T, Tsuchiya H, Sakurakichi K, Yamashiro T, Watanabe K, Tomita K: Reconstruction with distraction osteogenesis for juxta-articular nonunions with bone loss. **J Trauma** 58: 1213-22, 2005.
- 145 Hayashi M, Tsuchiya H, Yamamoto N, Karita M, Shirai T, Nishida H, Takeuchi A, Tomita K: Caffeine-potentiated chemotherapy for metastatic carcinoma and lymphoma of bone and soft tissue. **Anticancer Res** 25: 2399-406, 2005.
- 146 Matsuo T, Sugita T, Sato K, Hotta T, Tsuchiya H, Shimose S, Kubo T, Ochi M: Clinical outcomes of 54 pelvic osteosarcomas registered by Japanese Musculoskeletal Oncology

- Group. **Oncology** 68: 375-81, 2005.
- 147 Matsubara H, Tsuchiya H, Sakurakichi K, Yamashiro T, Watanabe K, Tomita K: Distraction osteogenesis of a previously irradiated femur with malignant lymphoma: a case report. **J Orthop Sci** 10: 430-5, 2005.
- 148 Hayashi K, Tsuchiya H, Yamamoto N, Minato H, Tomita K: Histological examination of autoclaved bone removed 12 years after it was transplanted. **J Orthop Sci** 10: 425-9, 2005.
- 149 Sakurakichi K, Tsuchiya H, Kabata T, Yamashiro T, Watanabe K, Tomita K: Correction of juxtaarticular deformities in children using the Ilizarov apparatus. **J Orthop Sci** 10: 360-6, 2005.
- 150 Takeda A, Tsuchiya H, Tajino T, Kikuchi S: An experimental study on the therapeutic effect of consecutive low-dose cisplatin with caffeine in sarcoma-bearing mice. **Anticancer Res** 25: 2777-84, 2005.
- 151 Watanabe K, Tsuchiya H, Sakurakichi K, Yamamoto N, Tomita K: Tibial lengthening over an intramedullary nail. **J Orthop Sci** 10: 480-5, 2005.
- 152 Murata A, Fujita T, Kawahara N, Tsuchiya H, Tomita K: Osteoblast lineage properties in giant cell tumors of bone. **J Orthop Sci** 10: 581-8, 2005.
- 153 Tsuchiya H, Uehara K, Sakurakichi K, Watanabe K, Matsubara H, Tomita K: Distraction osteogenesis after irradiation in a rabbit model. **J Orthop Sci** 10: 627-33, 2005.
- 154 Sakayama K, Kidani T, Miyawaki J, Tanji N, Tsuchiya H, Yamamoto H: Plasma levels of the coagulation factor XIII in patients with bone tumors. **J Musculoskeletal Res** 9: 195-203, 2005.
- 155 Tsuchiya H, Abdel-Wanis ME, Tomita K: Biological reconstruction after excision of

- juxta-articular osteosarcoma around the knee: a new classification system. **Anticancer Res** 26: 447-54, 2006.
- 156 Abdel-Wanis ME, Tsuchiya H, Kawahara N, Tomita K: Efficacy of cytotoxic agents for prevention of tumor growth after tumor contamination and blocks inoculation: An in vivo comparative study of cisplatin and distilled water, povidone iodine, hydrogen peroxide and saline in athymic mice. **J Musculoskeletal Res** 9: 145-52, 2006.
- 157 Yamauchi K, Yang M, Jiang P, Xu M, Yamamoto N, Tsuchiya H, Tomita K, Moosa AR, Bouvet M, Hoffman RM: Development of real-time subcellular dynamic multicolor imaging of cancer-cell trafficking in live mice with a variable-magnification whole-mouse imaging system. **Cancer Res** 66: 4208-14, 2006.
- 158 Matsubara H, Tsuchiya H, Sakurakichi K, Watanabe K, Tomita K: Deformity correction and lengthening of lower legs with an external fixator. **Int Orthop** 2006
- 159 Nishida H, Tsuchiya H, Yamamoto N, de Souza AM, Tomita K: Hip joint remodeling in an adult following excision of a giant cell tumor involving the acetabulum: a case report and literature review. **Arch Orthop Trauma Surg** 2006.
- 160 Sakurakichi K, Tsuchiya H, Watanabe K, Takeuchi A, Matsubara H, Tomita K: Distraction osteogenesis of a fresh fracture site using an external fixator. **J Orthop Sci** 11: 390-3, 2006.
- 161 Matsubara H, Tsuchiya H, Sakurakichi K, Yamashiro T, Watanabe K, Tomita K: Correction and lengthening for deformities of the forearm in multiple cartilaginous exostoses. **J Orthop Sci** 11: 459-66, 2006.
- 162 Sakayama K, Tsuchiya H, Fujibuchi T, Kidani T, Tanji N, Yamamoto H: Pathological findings of an autograft containing osteosarcoma treated by liquid nitrogen retrieved 2 years after implantation.
J Orthop Sci 2006 11: 655-6, 2006.

- 163 Takazawa K, Tsuchiya H, Ueda Y, Kanazawa Y, Ii S, Tomita K: Expression analysis for the identification of genes involved in acquired resistance to cisplatin in osteosarcoma cells. **Cancer Genomics & Proteomics** 3: 373-82, 2006.
- 164 Sakayama K, Kidani T, Tsuchiya H, Tanji N, Watanabe Y, Yamamoto H, Sugawara Y: Hyaluronan in the cerebrospinal fluid of patients with spinal tumor. **J Musculoskel Res** 10: 157-61, 2006.
- 165 Kawai A, Hosono A, Nakayama R, Matsumine A, Matsumoto S, Ueda T, Tsuchiya H, Beppu Y, Morioka H, Yabe H: Clear cell sarcoma of tendons and aponeuroses: a study of 75 patients. **Cancer** 109: 109-16, 2007.
- 166 Obata H, Ueda T, Kawai A, Ishii T, Ozaki T, Abe S, Tanaka K, Tsuchiya H, Matsumine A, Yabe H: Clinical outcome of patients with Ewing sarcoma family of tumors of bone in Japan: the Japanese Musculoskeletal Oncology Group cooperative study. **Cancer** 109: 767-5, 2007.
- 167 Hayashi K, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Amoh Y, Hoffman RM, Bouvet M: Dual-color imaging of angiogenesis and its inhibition in bone and soft tissue sarcoma. **J Surg Res** 2007.
- 168 Ji Y, Hayashi K, Amoh Y, Tsuji K, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Bouvet M, Hoffman RM: The camptothecin derivative CPT-11 inhibits angiogenesis in a dual-color imageable orthotopic metastatic nude mouse model of human colon cancer. **Anticancer Res** 27: 713-8, 2007.
- 169 Murakami H, Kawahara N, Tsuchiya H, Demura S, Yamaguchi T, Tomita K: Invasive features of spinal osteosarcoma obtained from whole-mount sections of total en bloc spondylectomy. **J Orthop Sci** 12: 311-5, 2007.
- 170 Takeuchi A, Yamamoto Y, Tsuneyama K, Cheng C, Yonekura H, Watanabe T, Shimizu K, Tomita K, Yamamoto H, Tsuchiya H: Endogenous secretory receptor for advanced glycation endproducts as a novel prognostic marker in chondrosarcoma. **Cancer** 109:

2532-40, 2007.

- 171 Gong M, Ueda Y, Kanazawa Y, Tsuchiya H, Ma YG: Association of gene FN1 with pulmonary metastasis of human fibrosarcoma. **Zhonghua Zhong Liu Za Zhi** 29: 14-6, 2007.
- 172 Watanabe K, Tsuchiya H, Sakurakichi K, Matsubara H, Tomita K: Double-level correction with the Taylor Spatial Frame for shepherd's crook deformity in fibrous dysplasia. **J Orthop Sci** 12: 390-4, 2007.
- 173 Tsuchiya H, Morsy AF, Matsubara H, Watanabe K, Abdel-Wanis ME, Tomita K: Treatment of benign bone tumours using external fixation. **J Bone Joint Surg** 89B: 1077-83, 2007.
- 174 Watanabe K, Tsuchiya H, Sakurakichi K, Tomita K: Bone transport using hydroxyapatite loaded with bone morphogenetic protein in rabbits. **J Bone Joint Surg** 89B: 1122-9, 2007.
- 175 Hayashi K, Jiang P, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Moossa AR, Bouvet M, Hoffman RM: Real-time imaging of tumor-cell shedding and trafficking in lymphatic channels. **Cancer Res** 67: 8223-8, 2007.
- 176 Watanabe K, Tsuchiya H, Sakurakichi K, Yamashiro T, Matsubara H, Tomita K: Treatment of lower limb deformities and limb-length discrepancies with the external fixator in Ollier's disease. **J Ortho Sci** 12: 471-5, 2007.
- 177 Morsy A, Tsuchiya H, Matsubara H, Kabata T, Tomita K: Ilizarov deformity correction of the lower limbs in Ellis-van Vrevelde syndrome. **J Orthop Sci** 12: 505-9, 2007.
- 178 Yamauchi K, Yang M, Hayashi K, Jiang P, Yamamoto N, Tsuchiya H, Tomita K, Moossa AR, Bouvet M, Hoffman RM: Imaging of nuclear dynamics during the cell cycle of cancer cells in live mice. *Cell Cycle* 2007.

- 179 Takeuchi A, Tsuchiya H, Yamamoto N, Hayashi K, Yamauchi K, Kawahara M, Miyamoto K, Tomita K: Caffeine-potentiated chemotherapy for patients with high-grade soft tissue sarcoma: long-term clinical outcome. **Anticancer Res** 27: 3489-96, 2007.
- 180 Matsubara H, Tsuchiya H, Kabata T, Sakurakichi K, Watanabe K, Tomita K: Deformity correction for vitamin D-resistant hypophosphatemic rickets of adults. **Arch Orthop Trauma Surg** 2007.
- 181 Matsubara H, Tsuchiya H, Kawahara N, Kobayashi T, Morinaga T, Tomita K: Ilizarov external fixator for burst fracture of the lumbar spine: a case report. **J Orthop Surg** 15:380-3, 2007.
- 182 Matsubara H, Tsuchiya H, Takato K, Tomita K: Correction of ankle ankylosis with deformity using the taylor spatial frame: a report of three cases. **Foot Ankle Int** 28:1290-4, 2007.
- 183 Yamaguchi T, Iwata J, Sugihara S, McCarthy EF, Karita M, Murakami H, Kawahara N, Tsuchiya H, Tomita K: Distinguishing benign notochordal cell tumors from vertebral chordoma. **Skeletal Rad** 37: 291-9, 2008.
- 184 Taki J, Higuchi T, Sumiya H, Tsuchiya H, Minato H, Tomita K, Tonami N: Prediction of final tumor response to preoperative chemotherapy by Tc-99m MIBI imaging at the middle of chemotherapy in malignant bone and soft tissue tumors: Comparison with Tl-201 imaging. **J Orthop Res** 26: 411-8, 2008.
- 185 Yamauchi K, Yang M, Hayashi K, Jiang P, Yamamoto N, Tsuchiya H, Tomita K, Moossa A, Bouvet M, Hoffman RM: Induction of cancer metastasis by cyclophosphamide pretreatment of host mice: an opposite effect of chemotherapy. **Cancer Res** 68: 516-20, 2008.
- 186 Hayashi K, Tsuchiya H, Yamamoto N, Takeuchi A, Tomita K: Functional outcome in patients with osteosarcoma around the knee joint treated by minimised surgery. **Int Orthop** 32: 63-8, 2008.

- 187 Watanabe K, Tsuchiya H, Sakurakichi K, Matsubara H, Tomita K: Acute correction using focal dome osteotomy for deformity about knee joint. **Arch Orthop Trauma Surg** 2008.
- 188 Watanabe K, Tsuchiya H, Matsubara H, Kitano S, Tomita K: Revision high tibial osteotomy with the Taylor spatial frame for failed opening-wedge high tibial osteotomy. **J Orthop Sci** 13: 145-9, 2008.
- 189 Kanazawa Y, Ueda Y, Shimasaki M, Katsuda S, Yamamoto N, Tomita K, Tsuchiya H: Down-regulation of *plakoglobin* in soft tissue sarcoma is associated with a higher risk of pulmonary metastasis. **Anticancer Res** 28: 655-64, 2008
- 190 Ii S, Ueda Y, Shimasaki M, Katsuta S, Takazawa K, Kanazawa Y, Tomita K, Tsuchiya H: Identification of novel genes involved in the synergistic antitumor effect of caffeine in osteosarcoma cells using cDNA macroarray. **Anticancer Res** 28: 645-54, 2008.
- 191 Karita M, Tsuchiya H, Kawahara M, Kasaoka S, Tomita K: The antitumor effect of liposome-encapsulated cisplatin on rat osteosarcoma and its enhancement by caffeine. **Anticancer Res** 28: 1449-58, 2008.
- 192 Tanzawa Y, Tsuchiya H, Yamamoto N, Sakayama K, Minato H, Tomita K: Histological examination of frozen autograft treated by liquid nitrogen removed 6 years after implantation. **J Orthop Sci** 13: 259-64, 2008.
- 193 Tsuchiya H, Shirai T, Morsy A, Sakayama K, Wada T, Kusuzaki K, Sugita T, Tomita K: Safety of external fixation during postoperative chemotherapy. **J Bone Joint Surg** 90-B: 924-8, 2008.
- 194 Kawahara M, Takahashi Y, Takazawa K, Tsuchiya H, Tomita K, Yokogawa K, Miyamoto K: Caffeine dose-dependently potentiates the antitumor effect of cisplatin on osteosarcomas. **Anticancer Res** 28: 1681-5, 2008.

- 195 Ueda T, Naka N, Araki T, Ishii T, Tsuchiya H, Yoshikawa H, Mochizuki K, Tsuboyama T, Toguchida J, Ozaki T, Murata H, Kudawara I, Tanaka K, Iwamoto Y, Yazawa Y, Kushida K, Otsuka T, Sato K: Validation of radiographic response evaluation criteria of preoperative chemotherapy for bone and soft tissue sarcomas: Japanese Orthopaedic Association Committee on Musculoskeletal Tumors Cooperative Study. **J Orthop Sci** 13: 304-12, 2008.
- 196 Sakurakichi K, Tsuchiya H, Yamashiro T, Watanabe K, Matsubara H, Tomita K: Ilizarov technique for correction of the Shepherd's crook deformity: a case report of two cases. **J Orthop Surg** 16: 254-6, 2008.
- 197 Nishida H, Tsuchiya H, Tomita K: Re-implantation of tumour tissue treated by cryotreatment with liquid nitrogen induces anti-tumour activity against murine osteosarcoma. **J Bone Joint Surg** 90-B: 1249-55, 2008.
- 198 Matsubara H, Tsuchiya H, Watanabe K, Takeuchi A, Tomita K: Percutaneous nonviral delivery of hepatocyte growth factor in an osteotomy gap promotes bone repair in rabbits: a preliminary report. *Clin Orthop* 2008. (E-pub)
- 199 Hayashi K, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Bouvet M, Wessels J, Hoffman RM: A color-coded orthotopic nude-mouse treatment model of brain-metastatic paralyzing spinal cord cancer that induces angiogenesis and neurogenesis. **Cell Prolif** 42: 75-82, 2009.
- 200 Hayashi K, Zhao M, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Hoffman RM: Cancer metastasis directly eradicated by targeted therapy with a modified *Salmonella typhimurium*. **J Cell Biochem** 106: 992-8, 2009.
- 201 Hayashi K, Zhao M, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Kishimoto H, Bouvet M, Hoffman RM: Systemic targeting of primary bone tumor and lung metastasis of high-grade osteosarcoma in nude mice with a tumor-selective strain of *Salmonella typhimurium*. **Cell Cycle** 8: 870-5, 2009.

- 202 Nishida Y, Isu K, Ueda T, Nishimoto Y, Tsuchiya H, Wada T, Sato K, Tsukushi S, Sugiura H: Osteosarcoma in the elderly over 60 years: A multicenter study by the Japanese musculoskeletal oncology group. **J Surg Oncol** 100: 48-54, 2009.
- 203 Hayashi M, Tsuchiya H, Otoi T, Agung B, Yamamoto N, Tomita K: Influence of freezing with liquid nitrogen on whole-knee joint grafts and protection of cartilage from cryoinjury in rabbits. **Cryobiology** 59: 28-35, 2009.
- 204 Hayashi K, Tsuchiya H, Yamamoto N, Shirai T, Yamauchi K, Takeuchi A, Kawahara M, Miyamoto K, Tomita K: Impact of serum caffeine monitoring on adverse effects and chemotherapeutic responses to caffeine-potentiated chemotherapy for osteosarcoma. **J Orthop Sci** 14: 253-8, 2009.
- 205 Nagakura C, Hayashi K, Zhao M, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Bouvet M, Hoffman RM: Efficacy of a genetically-modified Salmonella typhimurium in an orthotopic human pancreatic cancer in nude mice. **Anticancer Res** 29: 1873-8, 2009.
- 206 Shirai T, Tsuchiya H*, Shimizu T, Ohtani K, Zen Y, Tomita K: Prevention of pin tract infection with titanium-copper alloys. **J Biomed Mater Res B Appl Biomater** 91B: 373-80, 2009.
- 207 Takeuchi A, Tsuchiya H*, Shirai T, Hayashi K, Nishida H, Tomita K: Occlusive dressing for large soft tissue defects following soft tissue tumor excisions **J Orthop Sci** 14: 385-90, 2009.
- 208 Tome Y, Tsuchiya H*, Hayashi K, Yamauchi K, Sugimoto N, Kanaya F, Tomita K, Hoffman RM: In vivo gene transfer between interacting human osteosarcoma cell lines is associated with acquisition of enhanced metastatic potential. **J Cell Biochem** 108:362-7, 2009.
- 209 Mashima N, Yamamoto H, Tsuboi I, Tsuchiya H, Tanaka Y, Watanabe S: Correction of hallux valgus deformity using the center of rotation of angulation method. **J Orthop Sci** 14: 377-84, 2009.

- 210 Kimura H, Tsuchiya H*, Shirai T, Nishida H, Hayashi K, Takeuchi A, Ohnari I, Tomita K: Caffeine-potentiated chemotherapy for metastatic osteosarcoma. **J Orthop Sci** 14: 556-65, 2009.
- 211 Sakayama K, Kidani T, Sugawara Y, Tauchi H, Fujibuchi T, Tanji N, Yamamoto H, Tsuchiya H: Reconstruction using a frozen bone method for osteosarcoma of the talus. A case report and review of the literature. **Anticancer Res** 29: 4093-8, 2009.
- 212 Kimura H, Zhang L, Zhao M, Hayashi K, Tsuchiya H, Tomita K, Bouvet M, Wessels J, Hoffman RM: Targeted therapy of spinal cord glioma with a genetically modified *Salmonella typhimurium*. **Cell Prolif**, 2009.
- 213 Kimura H, Hayashi K, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Kishimoto H, Bouvet M, Hoffman RM: Real-time imaging of single cancer-cell dynamics of lung metastasis. **J Cell Biochem** 109: 58-64, 2009.
- 214 Tanzawa Y, Tsuchiya H*, Shirai T, Hayashi K, Zen Y, Tomita K: Histological examination of frozen autograft treated by liquid nitrogen removed after implantation. **J Orthop Sci** 14: 761-8, 2009.
- 215 Taki J, Inaki A, Wakabayashi H, Sumiya H, Tsuchiya H, Zen Y, Kinuya S: Early prediction of histopathological tumor response to preoperative chemotherapy by tc-99m MIBI imaging in bone and soft tissue sarcomas. *Clin Nucl Med* 35: 154-9, 2010.
- 216 Wan S, Ning L, Hong R, Wu W, Fan S, Tsuchiya H, Tomita K: Clinicopathological features of solitary fibrous tumours in the extremities: four cases reports and a literature review. **J Int Med Res** 38: 694-704, 2010.
- 217 Kimura H, Lee C, Hayashi K, Yamauchi K, Yamamoto N, Tsuchiya H, Tomita K, Bouvet M, Hoffman RM: UV light killing efficacy of fluorescent protein-expressing cancer cells in vitro and in vivo. **J Cell Biochem** 12, 2010.

- 218 Kawano M, Nishida H, Nakamoto Y, Tsumura H, Tsuchiya H*: Cryoimmunologic antitumor effects enhanced by dendritic cells in osteosarcoma. **Clin Orthop Relat Res** 468: 1373-83, 2010.
- 219 Tsuchiya H*, Nishida H, Srisawat P, Shirai T, Hayashi K, Takeuchi A, Yamamoto N, Tomita K: Pedicle frozen autograft reconstruction in malignant bone tumors. **J Orthop Sci** 15: 340-9, 2010.
- 220 Kato, Kawahara N, Murakami H, Demura S, Shirai T, Tsuchiya H, Tomita K: Multi-level total en bloc spondylectomy for solitary lumbar metastasis of myxoid liposarcoma. **Orthopaedics** 33: 446, 2010.
- 221 Miwa S, Kitamura S, Shirai T, Hayashi K, Nishida H, Takeuchi A, Nojima T, Tsuchiya H*: Despoplastic small round cell tumour successfully treated with caffeine-assisted chemotherapy: a case report and review of the literature. **Anticancer Res** 30: 3769-74, 2010.
- 222 Demura S, Kawahara N, Murakami H, Abdel-Wanis ME, Kato S, Yoshioka K, Tomita K, Tsuchiya H: Total en bloc spondylectomy for spinal metastases in thyroid carcinoma. **J Neurosurg Spine** E-pub 2010.
- 223 Nakase J, Kitaoka K, Tsuchiya H: Arthroscopic resection of a bucket handle tear of the meniscus: a technical note. **J Orthop Surg** 18: 378-381, 2010.
- 224 Kimura H, Momiyama M, Tomita K, Tsuchiya H, Hoffman RM: Long-working-distance fluorescence microscope with high-numerical-aperture objectives for variable-magnification imaging in live mice from macro- to subcellular. **J Biomed Opt** 15: 066029, 2010.
- 225 Tsuchiya H: Utility of Tomosynthesis and slot radiography to orthopaedics. **Innervision** 25(8): 5-8, 2010.

- 226 Tsuchiya H: Tomosynthesis breaks new ground in orthopaedics. **Nature** 468, 2010.
- 227 Shirai T, Shimizu T, Ohtani K, Zen Y, Takaya M, Tsuchiya H*: Antibacterial iodine-supported titanium implants. **Acta Biomater** 7(4) : 1928-33, 2011.
- 228 Hayashi K, Karita M, Yamamoto N, Shirai T, Nishida H, Takeuchi A, Kimura H, Miwa S, Tsuchiya H: Functional outcomes after total scapulectomy for malignant bone or soft tissue tumors in the shoulder girdle. **Int J Clin Oncol** 16(5): 568-73, 2011.
- 229 Tsuchiya H, Takeuchi A, Yamamoto N, Shirai T, Hayashi K, Nishida H, Tomita K: High-grade undifferentiated pleomorphic sarcoma of pelvis treated with curettage and bone graft after complete remission following caffeine-potentiated chemotherapy. **J Orthop Sci** 16(4):478-81, 2011.
- 230 Suganuma S, Tada K, Tsuchiya H: Giant extraskeletal chondroma of the index finger: A case report. **J Plast Reconstr Aesthet Surg** 64(10):1377-9, 2011.
- 231 Nishida H, Yamamoto N, Tanzawa Y, Tsuchiya H: Cryoimmunology for malignant bone and soft-tissue tumors. **Int J Clin Oncol.** 16(2):109-17, 2011
- 232 Tsuchiya H: Basic science and clinical frontiers of sarcoma treatment. **Int J Clin Oncol.** 16(2):82-3,2011.
- 233 Sasagawa T, Kawahara N, Murakami H, Demura S, Yoshioka K, Yamaguchi T, Tsuchiya H, Tomita K: The route of metastatic vertebral tumors extending to the adjacent vertebral body: a histological study. **J Orthop Sci.** 16(2):203-11, 2011
- 234 Tanzawa Y, Tsuchiya H, Shirai T, Nishida H, Hayashi K, Takeuchi A, Kawahara M, Tomita K: Potentiation of the antitumor effect of calcium phosphate cement containing anticancer drug and caffeine on rat osteosarcoma. **J Orthop Sci.** 16(1):77-84, 2011.
- 235 Yamamoto N, Tsuchiya H, Hoffman RM: Tumor imaging with multicolor fluorescent protein expression. **Int J Clin Oncol.** 16(2):84-91, 2011.

- 236 Miwa S, Shirai T, Taki J, Sumiya H, Nishida H, Hayashi K, Takeuchi A, Ooi A, Tsuchiya H: Use of(99m)Tc-MIBI scintigraphy in the evaluation of the response to chemotherapy for osteosarcoma: comparison with(201)TI scintigraphy and angiography. **Int J Clin Oncol** 16(4):373-8,2011.
- 237 Takeuchi A, Tsuchiya H, Niu X, Ueda T, Jeon DG, Wang EH, Asavamongkolkul A, kusuzaki K, Sakayama K, Kang YK: The prognostic factors of recurrent GCT: a cooperative study by the Eastern Asian Musculoskeletal Oncology Group. **J Orthop Sci** 16(2):196-202, 2011
- 238 Sugimoto N, Miwa s, Ohno-Shosaku T, Tsuchiya H, Hotomi Y, Nakamura H, Tomita K, Yachie A, Koizumi S: Activation of tumor suppressor protein PTEN and induction of apoptosis are involved in cAMP-mediated inhibition of cell number in B92 glial cells. **Neurosci Lett**. 2011 Apr 20.
- 239 Kajino Y, Kabata T, Watanabe K, Tsuchiya H: Histological finding of atypical subtrochanteric fracture after long-term alendronate therapy. **J Orthop Sci**. 2011 May 21.
- 240 Ueshima K, Kitaoka K, Nakase J, Xu Q, Matsumoto K, Tsuchiya H: Promotion of rabbit ligament healing by local delivery of hepatocyte growth factor. **J Orthop Sci** 16(4):451-7,2011.
- 241 Miwa S, Sugimoto N, Shirai T, Hayashi K, Nishida H, Ohnari I, Takeuchi A, Yachie A, Tsuchiya H: Caffeine activates tumor suppressor PTEN in sarcoma cells. **Int J Oncol** 39(2):465-72,2011.
- 242 Kabata T, Shimanuki K, Tsuchiya H: Osteonecrosis of the femoral head and glaucoma caused by topical corticosteroid application. **Mod Rheumatol**. 21: 706-9, 2011.
- 243 Kabata T, Maeda T, Tanaka K, Yoshida H, Kajino Y, Horii T, Yagishita S, Tsuchiya H: Hemi-resurfacing versus total resurfacing for osteonecrosis of the

femoral head. **J Orthop Surg (Hong Kong)**. 19(2):177-80, 2011.

244 Nishida H, Shirai T, Hayashi K, Takeuchi A, Tanzawa Y, Mizokami A, Namiki M, Tsuchiya H: Cryotreatment against metastatic renal cell bone tumour reduced multiple lung metastases. **Anticancer Res**. 31(9):2927-30. 2011.

245 Takata M, Sugimoto N, Yamamoto N, Shirai T, Hayashi K, Nishida H, Tanzawa Y, Kimura H, Miwa S, Takeuchi A, Tsuchiya H: tivity of bone morphogeneticprotein-7 after treatment at various temperatures: freezing vs. pasteurization vs.allograft. **Cryobiology**.63(3):235-9.2011.

246 Tada K, Ikeda K, Shigemoto K, Sukanuma S, Tsuchiya H: Prevention of flexor pollicis longus tendon rupture after volar plate fixation of distal radius fractures. **Hand Surg**.16(3):271-5. 2011.

247 Takata M, Watanabe K, Matsubara H, Takato K, Nomura I, Tsuchiya H: Lengthening of the normal tibia in a patient with hemihypertrophy caused by Klippel- Trenaunay-Weber syndrome: a case report. **J Orthop Surg (Hong Kong)**.19(3):359-63, 2011.

248 Iwai S, Kabata T, Maeda T, Kajino Y, Ogawa K, Kuroda K, Tsuchiya H. Hyperostosis around the bilateral acetabulum associated with hypoparathyroidism. **Mod Rheumatol**. 22(5):766-8. 2012.

249 Wakabayashi H, Taki J, Inaki A, Sumiya H, Zen Y, Tsuchiya H, Kinuya S: Prognostic value of Tc-99m-MIBI performed during middle course of preoperative chemotherapy in patients with malignant bone and soft-tissue tumors. **Clin Nucl Med**. 37(1):1-8, 2012.

250 Demura S, Kawahara N, Murakami H, Akamaru T, Kato S, Oda M, Tomita K, Tsuchiya H: Giant cell tumor expanded into the thoracic cavity with spinal involvement. **Orthopedics**. 35(3):e453-6, 2012.

251 Miwa S, Taki J, Yamamoto N, Shirai T, Nishida H, Hayashi K, Tanzawa Y, Kimura

H, Takeuchi A, Igarashi K, Ooi A, Tsuchiya H: A novel combined radiological method for evaluation of the response to chemotherapy for primary bone sarcoma. **J Surg Oncol.** 106(3):273-9, 2012.

252 Munehiro T, Kitaoka K, Ueda Y, Maruhashi Y, Tsuchiya H: Establishment of an animal model for delayed-onset muscle soreness after high-intensity eccentric exercise and its application for investigating the efficacy of low-load eccentric training. **J Orthop Sci.** 17(3):244-52, 2012.

253 Wakabayashi H, Taki J, Inaki A, Sumiya H, Tsuchiya H, Kinuya S. Assessment of doxorubicin cardiac toxicity using gated ^{99m}Tc-hexakis-2-methoxyisobutylisonitrile myocardial single photon emission computed tomography: wall thickening and motion abnormalities can be an early sign of cardiac involvement. **Circ J.** 76(5):1190-6, 2012.

254 Kajino Y, Kabata T, Maeda T, Iwai S, Kuroda K, Tsuchiya H: Does degree of the pelvic deformity affect the accuracy of computed tomography-based hip navigation? **J Arthroplasty.**27(9):1651-7. 2012.

255 Yamamoto N, Hayashi K, Tanzawa Y, Kimura H, Takeuchi A, Igarashi K, Inatani H, Shimozaki S, Kitamura S, Tsuchiya H: Treatment strategies for well-differentiated liposarcomas and therapeutic outcomes. **Anticancer Res.**32(5):1821-5.2012.

256 Onari I, Hayashi M, Ozaki N, Tsuchiya H: Vitreous preservation of articular cartilage from cryoinjury in rabbits. **Cryobiology.**65(2):98-103. 2012.

257 Kato S, Murakami H, Demura S, Yoshioka K, Okamoto Y, Hayashi H, Tsuchiya H: Epidural inflammatory pseudotumor in the thoracic spine in a patient with polymyalgia rheumatica. **Spine J.**12(6):e1-4. 2012.

258 Goshima K, Nakase J, Xu Q, Matsumoto K, Tsuchiya H: Repair of segmental bone defects in rabbit tibia promoted by a complex of β -tricalcium phosphate and hepatocyte growth factor. **J Orthop Sci.** 17(5):639-48. 2012.

- 259 Tsuchiya H, Shirai T, Nishida H, Murakami H, Kabata T, Yamamoto N, Watanabe K, Nakase J: Innovative antimicrobial coating of titanium implants with iodine. **J Orthop Sci.** 17(5):595-604, 2012.
- 260 Iwai S, Kabata T, Maeda T, Kajino Y, Kuroda K, Fujita K, Tsuchiya H: Hyperostosis around the acetabulum treated by computer navigation-assisted resection of the ossification: a report of two cases. **J Orthop Sci.** 2:365-70.2014.
- 261 Suganuma S, Tada K, Hayashi K, Takeuchi A, Sugimoto N, Ikeda K, Tsuchiya H: Uncultured adipose-derived regenerative cells promote peripheral nerve regeneration. **J Orthop Sci.**1:145-51, 2013.
- 262 Kato S, Murakami H, Minami T, Demura S, Yoshioka K, Matsui O, Tsuchiya H: Preoperative embolization significantly decreases intraoperative blood loss during palliative surgery for spinal metastasis.: **Orthopedics.** 35(9):e1389-95, 2012.
- 263 Miwa S, Sugimoto N, Yamamoto N, Shirai T, Nishida H, Hayashi K, Kimura H, Takeuchi A, Igarashi K, Yachie A, Tsuchiya H: Caffeine induces apoptosis of osteosarcoma cells by inhibiting AKT/mTOR/S6K, NF- κ B and MAPK pathways. **Anticancer Res.**32(9):3643-9, 2012.
- 264 Kato S, Murakami H, Demura S, Yoshioka K, Hayashi H, Tsuchiya H: Novel surgical technique for ossification of posterior longitudinal ligament in the thoracic spine. **J Neurosurg Spine.** 17(6):525-9, 2012.
- 265 Watanabe K, Tsuchiya H, Yamamoto N, Shirai T, Nishida H, Hayashi K, Takeuchi A, Matsubara H, Nomura I: Over 10-year follow-up of functional outcome in patients with bone tumors reconstructed using distraction osteogenesis. **J Orthop Sci.** 1:101-9, 2013.
- 266 Nakase J, Toratani T, Kosaka M, Ohashi Y, Tsuchiya H: Roles of ACL remnants in knee stability. **Knee Surg Sports Traumatol Arthrosc.** 21(9):2101-6, 2013.

- 267 Suganuma S, Tada K, Hayashi H, Segawa T, Tsuchiya H. Ulnar nerve palsy associated with closed midshaft forearm fractures. **Orthopedics**. 35(11):e1680-3. 2013.
- 268 Tada K, Suganuma S, Segawa T, Asada N, Tsuchiya H: Keloid formation after trigger finger release: a case report. **J Plast Reconstr Aesthet Surg**.6:864-6, 2013.
- 269 Nakase J, Tsuchiya H, Kitaoka K: Contralateral anterior cruciate ligament injury after anterior cruciate ligament reconstruction: a case controlled study. **Sports Med Arthrosc Rehabil Ther Technol**. 4(1):46, 2012.
- 270 Miwa S, Yokogawa A, Kobayashi T, Nishimura T, Igarashi K, Inatani H, Tsuchiya H: Risk Factors of Recurrent Lumbar Disc Herniation: A Single Center Study and Review of the Literature. **J Spinal Disord Tech**. 2013 Nov 8. [Epub ahead of print]
- 271 Nakase J, Aiba T, Goshima K, Takahashi R, Toratani T, Kosaka M, Ohashi Y, Tsuchiya H: Relationship between the skeletal maturation of the distal attachment of the patellar tendon and physical features in preadolescent male football players. **Knee Surg Sports Traumatol Arthrosc**. 22(1):195-9, 2014.
- 272 Miwa S, Nishida H, Tanzawa Y, Takata M, Takeuchi A, Yamamoto N, Shirai T, Hayashi K, Kimura H, Igarashi K, Mizukoshi E, Nakamoto Y, Kaneko S, **Tsuchiya H**. TNF- α and tumor lysate promote the maturation of dendritic cells for immunotherapy for advanced malignant bone and soft tissue tumors. **PLoS One**.7(12), 2012.
- 273 Kajino Y, Kabata T, Maeda T, Iwai S, Kuroda K, Fujita K, Tsuchiya H: Strict component positioning is necessary in hip resurfacing. **J Orthop Sci**. 2:290-7, 2013.
- 274 Yoshioka K, Murakami H, Demura S, Kato S, Hayashi H, Inoue K, Ota T, Shinmura K, Yokogawa N, Fang X, Tsuchiya H: Comparative study of the prevalence of venous thromboembolism after elective spinal surgery. **Orthopedics**. 2:e223-8, 2013.
- 275 Takeuchi A, Yamamoto Y, Munesue S, Harashima A, Watanabe T, Yonekura H, Yamamoto H, Tsuchiya H: Low molecular weight heparin suppresses receptor for

- advanced glycation end products-mediated expression of malignant phenotype in human fibrosarcoma cells. **Cancer Sci.** 6:740-9, 2013.
- 276 Takata M, Vilensky VA, Tsuchiya H, Solomin LN: Foot deformity correction with hexapod external fixator, the Ortho-SUV Frame™. **J Foot Ankle Surg.** 3:324-30, 2013.
- 277 Demura S, Takahashi K, Murakami H, Fujimaki Y, Kato S, Tsuchiya H.: The influence of steroid administration on systemic response in laminoplasty for cervical myelopathy. **Arch Orthop Trauma Surg.**133 (8):1041-5, 2013.
- 278 Takeuchi A, Yamamoto N, Nishida H, Kimura H, Ikeda H, Tsuchiya H: Complete necrosis of a giant cell tumor with high expression of PPAR γ : a case report. **Anticancer Res.** 5:2169-74, 2013.
- 279 Miwa S, Yano S, Tome Y, Sugimoto N, Hiroshima Y, Uehara F, Mii S, Kimura H, Hayashi K, Efimova EV, Fujiwara T, Tsuchiya H, Hoffman RM: Dynamic color-code fluorescence imaging of the cell-cycle phase, mitosis, and apoptosis demonstrates how caffeine modulates cisplatin efficacy. **J Cell Biochem.** 114(11):2454-60, 2013.
- 280 Kosaka M, Nakase J, Toratani T, Ohashi Y, Kitaoka K, Yamada H, Komura K, Nakamura S, Tsuchiya H. Oblique coronal and oblique sagittal MRI for diagnosis of anterior cruciate ligament tears and evaluation of anterior cruciate ligament remnant tissue. **Knee.** 21(1):54-7.2014.
- 281 Murakami H, Demura S, Kato S, Nishida H, Yoshioka K, Hayashi H, Inoue K, Ota T, Shinmura K, Yokogawa N, Fang X, Tsuchiya H. Increase of IL-12 following reconstruction for total en bloc spondylectomy using frozen autografts treated with liquid nitrogen. **PLoS One.** 29;8(5):e64818.2013.
- 282 Miwa S, Yano S, Hiroshima Y, Tome Y, Uehara F, Mii S, Efimova EV, Kimura H, Hayashi K, Tsuchiya H, Hoffman RM: Imaging UVC-induced DNA damage response in models of minimal cancer. **J Cell Biochem.**11:2493-9. 2013.

- 283 Demura S, Murakami H, Kawahara N, Kato S, Yoshioka K, Tsuchiya H: Laminoplasty and pedicle screw fixation for cervical myelopathy associated with athetoid cerebral palsy: minimum 5-year follow-up. **Spine (Phila Pa 1976)** 20:1764-9. 2013.
- 284 Kosaka M, Nakase J, Takahashi R, Toratani T, Ohashi Y, Kitaoka K, Tsuchiya H: Outcomes and failure factors in surgical treatment for osteochondritis dissecans of the capitellum. **J Pediatr Orthop.** 33(7):719-24m 2013.
- 285 Kimura H, Dobashi Y, Nojima T, Nakamura H, Yamamoto N, Tsuchiya H, Ikeda H, Sawada-Kitamura S, Oyama T, Ooi A: Utility of fluorescence in situ hybridization to detect MDM2 amplification in liposarcomas and their morphological mimics. **Int J Clin Exp Pathol.** 6(7):1306-16, 2013.
- 286 Nomura I, Watanabe K, Matsubara H, Nishida H, Shirai T, Tsuchiya H: Correction of a Severe Poliomyelitic Equinovarus Foot Using an Adjustable External Fixation Frame. **J Foot Ankle Surg.** 2:235-8.2014.
- 287 Yamamoto N, Tsuchiya H: Chemotherapy for osteosarcoma - where does it come from? What is it? Where is it going? **Expert Opin Pharmacother.**14(16):2183-93, 2013.
- 288 Yoshioka K, Murakami H, Demura S, Kato S, Kawahara N, Tomita K, Tsuchiya H: Clinical outcome of spinal reconstruction after total en bloc spondylectomy at 3 or more levels. **Spine (Phila Pa 1976).** 38(24):E1511-6, 2013.
- 289 Miwa S, Takeuchi A, Shirai T, Taki J, Yamamoto N, Nishida H, Hayashi K, Tanzawa Y, Kimura H, Igarashi K, Ooi A, Tsuchiya H: Prognostic value of radiological response to chemotherapy in patients with osteosarcoma. **PLoS One.**8(7):e70015, 2013.
- 290 Miwa S, Takeuchi A, Ikeda H, Shirai T, Yamamoto N, Nishida H, Hayashi K, Tanzawa Y, Kimura H, Igarashi K, Tsuchiya H: Prognostic value of histological response to chemotherapy in osteosarcoma patients receiving tumor-bearing frozen autograft. **PLoS One.** 8(8):e71362, 2013.

- 291 Nakase J, Inaki A, Mochizuki T, Toratani T, Kosaka M, Ohashi Y, Taki J, Yahata T, Kinuya S, Tsuchiya H. Whole body muscle activity during the FIFA 11+ program evaluated by positron emission tomography. **PLoS One**. 8(9):e73898, 2013.
- 292 Sasagawa T, Hashimoto F, Nakamura T, Maruhasi Y, Matsumoto N, Segawa T, Yamamoto D, Goshima K, Murakami H, Tsuchiya H: A Pediatric Case of Single-level Idiopathic Cervical Intervertebral Disk Calcification With Symptom Relapse 1 Year After Initial Onset. **J Pediatr Orthop**. 3:282-6.2014.
- 293 Murakami H, Kato S, Ueda Y, Fujimaki Y, Tsuchiya H: Reconstruction using a frozen tumor-bearing vertebra in total en bloc spondylectomy can enhance antitumor immunity. **Eur Spine J**. Suppl 2:222-7.2014.
- 294 Kato S, Murakami H, Demura S, Yoshioka K, Kawahara N, Tomita K, Tsuchiya H: More Than 10-Year Follow-Up After Total En Bloc Spondylectomy for Spinal Tumors. **Ann Surg Oncol**. 4:1330-6.2014.
- 295 Shimozaki S, Yamamoto N, Shirai T, Nishida H, Hayashi K, Tanzawa Y, Kimura H, Takeuchi A, Igarashi K, Inatani H, Kato T, Tsuchiya H: Pedicle versus free frozen autograft for reconstruction in malignant bone and soft tissue tumors of the lower extremities. **J Orthop Sci**. 1:156-63.2014.
- 296 Kuroda K, Kabata T, Maeda T, Kajino Y, Watanabe S, Iwai S, Kenji F, Hasegawa K, Inoue D, Tsuchiya H. The value of computed tomography based navigation in revision total hip arthroplasty. **Int Orthop**. 4:711-6.2014.
- 297 Fujita K, Yasutake H, Horii T, Hashimoto N, Kabata T, Tsuchiya H. Difficulty in locking head screw removal. **J Orthop Sci**. 2:304-7.2014.
- 298 Murakami H, Demura S, Kato S, Yoshioka K, Hayashi H, Inoue K, Ota T, Shinmura K, Yokogawa N, Fang X, Tsuchiya H. Systemic antitumor immune response following reconstruction using frozen autografts for total en bloc spondylectomy. **Spine J**. 8:1567-71.2014.

- 299 Ugaji S, Watanabe K, Matsubara H, Nomura I, Aikawa T, Tsuchiya H. Simultaneous arthrodiastasis and deformity correction for a patient with ankle osteoarthritis and lower limb deformity: a case report. **Foot Ankle Surg**. 1:74-8.2014.
- 300 Suganuma S, Tada K, Tsuchiya H. Reducing the risk of flexor pollicis longus tendon rupture after volar plate fixation for distal radius fractures: validation of the tendon irritation test. **Eur J Orthop Surg Traumatol**. 8:1425-9.2014.
- 301 Ebata Y, Takino J, Tsuchiya H, Sakabe T, Ikeda Y, Hama S, Kogure K, Takeuchi M, Shiota G. Presence of glyceraldehyde-derived advanced glycation end-products in the liver of insulin-resistant mice. **Int J Vitam Nutr Res**. 2:137-41.2013.
- 302 Iwai S, Kabata T, Maeda T, Kajino Y, Watanabe S, Kuroda K, Fujita K, Hasegawa K, Tsuchiya H. Three-dimensional kinetic simulation before and after rotational acetabular osteotomy. **J Orthop Sci**. 3:443-50.2014.
- 303 Sugimoto N, Miwa S, Hitomi Y, Nakamura H, Tsuchiya H, Yachie A. Theobromine, the primary methylxanthine found in Theobroma cacao, prevents malignant glioblastoma proliferation by negatively regulating phosphodiesterase-4, extracellular signal-regulated kinase, Akt/mammalian target of rapamycin kinase, and nuclear factor-kappa B. **Nutr Cancer**. 3:419-23.2014.
- 304 Fang X, Murakami H, Demura S, Hayashi K, Matsubara H, Kato S, Yoshioka K, Inoue K, Ota T, Shinmura K, Tsuchiya H. A novel method to apply osteogenic potential of adipose derived stem cells in orthopaedic surgery. **PLoS One**. 2:e88874.2014.
- 305 Fujita K, Kabata T, Maeda T, Kajino Y, Iwai S, Kuroda K, Hasegawa K, Tsuchiya H. The use of the transverse acetabular ligament in total hip replacement: An analysis of the orientation of the trial acetabular component using a navigation system. **Bone Joint J**. 96B 3 :306-11.2014.

- 306 Kuroda K, Kabata T, Maeda T, Kajino Y, Tsuchiya H. Do we need intraoperative radiographs for positioning the femoral component in total hip arthroplasty? **Arch Orthop Trauma Surg.** 5:727-33.2014.
- 307 Sugimoto N, Miwa S, Tsuchiya H, Hitomi Y, Nakamura H, Yachie A, Koizumi S. Targeted activation of PKA and Epac promotes glioblastoma regression in vitro. **Mol Clin Oncol.** 2:281-5.2013.
- 308 Shirai T, Watanabe K, Matsubara H, Nomura I, Fujiwara H, Arai Y, Ikoma K, Terauchi R, Kubo T, Tsuchiya H. Prevention of pin tract infection with iodine-supported titanium pins. **J Orthop Sci.** 4:598-602.2014.
- 309 Igarashi K, Yamamoto N, Shirai T, Hayashi K, Nishida H, Kimura H, Takeuchi A, Tsuchiya H. The long-term outcome following the use of frozen autograft treated with liquid nitrogen in the management of bone and soft-tissue sarcomas. **Bone Joint J.** 96B 4:555-61.2014.
- 310 Nomura I, Watanabe K, Matsubara H, Hayashi K, Sugimoto N, Tsuchiya H. Uncultured Autogenous Adipose-derived Regenerative Cells Promote Bone Formation During Distraction Osteogenesis in Rats. **Clin Orthop Relat Res.** 12:3798-806.2014.
- 311 Mizuno T, Ishigami K, Yamada S, Tsuchiya H, Nakajima C, Sangen R, Fukushima M, Minato H, Nojima N, Saito A, Hayashi N, Atsumi H, Ito T, Iguchi M, Usuda D, Okamura H, Urashima S, Asano M, Kiyosawa J, Fukuda A, Takekoshi N, Kanda T. Endocardial Invasion of Lung Cancer Undiagnosable before Autopsy. **Case Rep Oncol.** 1:144-8.2014.
- 312 Nakase J, Kitaoka K, Toratani T, Kosaka M, Ohashi Y, Tsuchiya H. Grafted tendon healing in femoral and tibial tunnels after anterior cruciate ligament reconstruction. **J Orthop Surg (Hong Kong).** 1:65-9.2014.

- 313 Yokogawa N, Murakami H, Demura S, Kato S, Yoshioka K, Hayashi H, Ishii T, Igarashi T, Fang X, Tsuchiya H. Perioperative complications of total en bloc spondylectomy: adverse effects of preoperative irradiation. **PLoS One**. 2014 Jun 3;9(6):e98797.
- 314 Ogawa K, Kabata T, Maeda T, Kajino Y, Tsuchiya H. Accurate leg length measurement in total hip arthroplasty: a comparison of computer navigation and a simple manual measurement device. **Clin Orthop Surg**. 2:153-8.2014.
- 315 Shirai T, Tsuchiya H, Nishida H, Yamamoto N, Watanabe K, Nakase J, Terauchi R, Arai Y, Fujiwara H, Kubo T. Antimicrobial megaprotheses supported with iodine. **J Biomater Appl**. 6:617-23.2014.
- 316 Kimura H, Yamamoto N, Nishida H, Hayashi K, Takeuchi A, Nojima T, Ikeda H, Sawada-Kitamura S, Tsuchiya H. Synovial sarcoma in knee joint, mimicking low-grade sarcoma confirmed by molecular detection of SYT gene split. **Anticancer Res** 6:3105-11.2014.
- 317 Hayashi K, Iwata S, Ogose A, Kawai A, Ueda T, Otsuka T, Tsuchiya H. Factors that influence functional outcome after total or subtotal scapulectomy: Japanese Musculoskeletal Oncology Group (JMOG) study. **PLoS One**. 2014 Jun 17;9(6)
- 318 Miwa S, Matsumoto Y, Hiroshima Y, Yano S, Uehara F, Yamamoto M, Zhang Y, Kimura H, Hayashi K, Yamamoto N, Bouvet M, Sugimoto N, Tsuchiya H, Hoffman RM. Fluorescence-guided surgery of prostate cancer bone metastasis. **J Surg Res**. 1:124-33.2014
- 319 Aiba H, Hayashi K, Inatani H, Satoshi Y, Watanabe N, Sakurai H, Tsuchiya H, Otsuka T. Conservative treatment for patients with osteoid osteoma: a case series. **Anticancer Res**. 7:3721-5.2014.
- 320 Aikawa T, Watanabe K, Matsubara H, Nomura I, Tsuchiya H. Tibiocalcaneal Fusion for Charcot Ankle with Severe Talar Body Loss: Case Report and a Review of the Surgical Literature. **J Foot Ankle Surg**. 2014 Aug 9. pii: S1067-2516(14)00251-8.

- 321 Kawashima H, Tada K, Suganuma S, Tsuchiya H, Sanada S. Wrist rhythm during wrist joint motion evaluated by dynamic radiography. **Hand Surg.** 3:343-7.2014.
- 322 Hayashi H, Murakami H, Demura S, Kato S, Yoshioka K, Shinmura K, Yokogawa N, Ishii T, Fang X, Shirai T, Tsuchiya H. Surgical site infection after total en bloc spondylectomy: risk factors and the preventive new technology. **Spine J.** 15:132-7.2015.
- 323 Miwa S, Hiroshima Y, Yano S, Zhang Y, Matsumoto Y, Uehara F, Yamamoto M, Kimura H, Hayashi K, Bouvet M, Tsuchiya H, Hoffman RM. Fluorescence-guided surgery improves outcome in an orthotopic osteosarcoma nude-mouse model. **J Orthop Res.** 12:1596-601.2014
- 324 Demura S, Murakami H, Shirai T, Kato S, Yoshioka K, Ota T, Ishii T, Igarashi T, Tsuchiya H. Surgical treatment for pyogenic vertebral osteomyelitis using iodine-supported spinal instruments: initial case series of 14 patients. **Eur J Clin Microbiol Infect Dis.** 2:261-6.2015.
- 325 Miwa S, Yano S, Zhang Y, Matsumoto Y, Uehara F, Yamamoto M, Hiroshima Y, Kimura H, Hayashi K, Yamamoto N, Bouvet M, Tsuchiya H, Hoffman RM, Zhao M. Tumor-targeting Salmonella typhimurium A1-R prevents experimental human breast cancer bone metastasis in nude mice. **Oncotarget.** 2014 Aug 30;5(16):7119-25.
- 326 Miwa S, Takeuchi A, Shirai T, Yamamoto N, Hayashi K, Nishida H, Kimura H, Igarashi K, Tsuchiya H. Outcomes and Complications of Reconstruction Using Tumor-bearing Frozen Autografts in Patients with Metastatic Bone Tumors. **Anticancer Res.** 2014 Oct;34(10):5569-77.
- 327 Yokogawa N, Murakami H, Demura S, Kato S, Yoshioka K, Hayashi H, Ishii T, Fujii M, Igarashi T, Tsuchiya H. Motor Function of the Upper-Extremity after Transection of the Second Thoracic Nerve Root during Total En Bloc Spondylectomy. **PLoS One.** 2014 Oct 15;9(10):e109838.

- 328 Yahata T, Takeuchi A, Yoshida S, Tsuchiya H. Distinctive features of stump volume change in a fresh lower limb amputee with Parkes-Weber syndrome. **BMJ Case Rep**. 2014 Oct 21;2014. pii: bcr2014206315.
- 329 Okamoto S, Tada K, Ai H, Tsuchiya H. Flexor carpi ulnaris muscle flap for soft tissue reconstruction after total elbow arthroplasty. **Case Rep Surg**. 2014;2014:798506. doi: 10.1155/2014/798506. Epub 2014 Oct 7. PubMed PMID: 25400974; PubMed Central PMCID: PMC4220581.
- 330 Miwa S, Yano S, Yamamoto M, Matsumoto Y, Uehara F, Hiroshima Y, Toneri M, Murakami T, Kimura H, Hayashi K, Yamamoto N, Efimova EV, Tsuchiya H, Hoffman RM. Real-time fluorescence imaging of the DNA damage repair response during mitosis. **J Cell Biochem**. 4:661-6.2015.
- 331 Okamoto Y, Murakami H, Demura S, Kato S, Yoshioka K, Hayashi H, Sakamoto J, Kawahara N, Tsuchiya H. The effect of kyphotic deformity because of vertebral fracture: a finite element analysis of a 10° and 20° wedge-shaped vertebral fracture model. **Spine J**. 2014 Nov 29. pii: S1529-9430(14)01765-3.
- 332 Kato S, Murakami H, Demura S, Yoshioka K, Kawahara N, Tomita K, Tsuchiya H. Patient-reported outcome and quality of life after total en bloc spondylectomy for a primary spinal tumour. **Bone Joint J**. 96-B(12):1693-8. 2014.
- 333 Yoshioka K, Murakami H, Demura S, Kato S, Tsuchiya H. Prevalence and Risk factors for Development of Venous Thromboembolism after Degenerative Spinal Surgery. **Spine (Phila Pa 1976)**. 2014 Dec 9. [Epub ahead of print] PubMed PMID: 25494320.
- 334 Igarashi K, Yamamoto N, Hayashi K, Takeuchi A, Miwa S, Odani A, Tsuchiya H. Effectiveness of Two Novel Anionic and Cationic Platinum Complexes in the Treatment of Osteosarcoma. **Anticancer Agents Med Chem**. 2014 Dec 16. [Epub ahead of print] PubMed PMID: 25511510.

- 335 Miwa S, Zhang Y, Baek KE, Uehara F, Yano S, Yamamoto M, Hiroshima Y, Matsumoto Y, Kimura H, Hayashi K, Yamamoto N, Bouvet M, Tsuchiya H, Hoffman RM, Zhao M. Inhibition of spontaneous and experimental lung metastasis of soft-tissue sarcoma by tumor-targeting Salmonella typhimurium A1-R. **Oncotarget**. 24:12849-61.2014.
- 336 Kimura H, Yamamoto N, Shirai T, Nishida H, Hayashi K, Tanzawa Y, Takeuchi A, Igarashi K, Inatani H, Shimozaki S, Kato T, Aoki Y, Higuchi T, Tsuchiya H. Efficacy of triplet regimen antiemetic therapy for chemotherapy-induced nausea and vomiting (CINV) in bone and soft tissue sarcoma patients receiving highly emetogenic chemotherapy, and an efficacy comparison of single-shot palonosetron and consecutive-day granisetron for CINV in a randomized, single-blinded crossover study. **Cancer Med**. 2014 Dec 23.
- 337 Kato S, Murakami H, Demura S, Yoshioka K, Hayashi H, Yokogawa N, Fang X, Tsuchiya H. Vertebral Osteomyelitis Caused by Mycobacterium abscessus Surgically Treated Using Antibacterial Iodine-Supported Instrumentation. **Case Rep Orthop**.197061.2014.
- 338 Igarashi K, Yamamoto N, Shirai T, Nishida H, Hayashi K, Tanzawa Y, Kimura H, Takeuchi A, Miwa S, Inatani H, Shimozaki S, Kato T, Tsuchiya H. Late recurrence of osteosarcoma: a report of two cases. **J Orthop Surg (Hong Kong)**. 3:415-9. 2014.
- 339 Hayashi K, Yamada S, Inatani H, Okamoto H, Takeuchi A, Nishida H, Yamamoto N, Tsuchiya H, Otsuka T. Salvage Method for Unplanned Excision of Soft Tissue Sarcoma: Long-term Results of Second-look Surgery Following Radio-hyperthermo-chemotherapy. **Anticancer Res**. 1:493-8. 2015.
- 340 Inoue D, Kabata T, Maeda T, Kajino Y, Fujita K, Hasegawa K, Yamamoto T, Tsuchiya H. Value of computed tomography-based three-dimensional surgical preoperative planning software in total hip arthroplasty with developmental dysplasia of the hip. **J Orthop Sci**. 2015 Jan 28. [Epub ahead of print]

- 1 Tomita K, Aotake Y, Sugihara M, Tsuchiya H: Overall results and functional evaluation system. In: **New Developments for Limb Salvage in Musculoskeletal Tumors**. Yamamuro T (Ed.), Kyocera Orthopaedic Symposium, Springer-Verlag, Tokyo: 53-57,1989.
- 2 Tomita K, Ikeda K, Tsuchiya H, Nomura S: Vascularized bone graft for limb salvage surgery of malignant bone tumor. In: **New Developments for Limb Salvage in Musculoskeletal Tumors**. Yamamuro T (Ed.), Kyocera Orthopaedic Symposium, Springer-Verlag, Tokyo: 347-351,1989.
- 3 Tomita K, Tsuchiya H, Morikawa H, Ohno M, Sugihara M, Sawaguchi T, Yokogawa A: En bloc sacral resection or total sacrectomy. Langlais F and Tomeno B (eds) **Limb salvage-major reconstructions in oncologic and nontumoral conditions**. Springer-Verlag. Berlin Heidelberg: 655-661,1991.
- 4 Tsuchiya H, Tomita K, Katsuo S, Tokuumi Y, Sugihara M: Effect of intraarterial cisplatin and caffeine on limb salvage surgery. Proceedings of 7th International Symposium on Limb Salvage, **Limb Salvage-Current Trends**, Singapore, pp. 615-616, 1993.
- 5 Tsuchiya H, Tomita K, Tsubota S, Shinokawa Y, Katsuo S, Tokuumi Y: Treatment of bone and soft tissue tumors using external fixators. Proceedings of 7th International Symposium on Limb Salvage, **Limb Salvage-Current Trends**, Singapore, pp. 137-143,1993.
- 6 Tomita K. Kawahara N, Toribatake Y, Tsuchiya H, Ohnari N, Kose H: Total en bloc spondylectomy for malignant vertebral tumor -innovative surgical technique of spine salvage. Proceedings of 7th International Symposium on Limb Salvage, **Limb Salvage-Current Trends**, Singapore, pp. 257-262,1993.
- 7 Katsuo S, Tsuchiya H, Tokuumi Y, Matsuda E, Tomita K, Binder BR: Inhibition of pulmonary metastases formation of human fibrosarcoma (HT-1080) by anti-plasminogen activator inhibitor-1 antibody. Proceedings of 7th International Symposium on Limb Salvage, **Limb Salvage-Current Trends**, Singapore, pp. 520,1993.
- 8 Tokuumi Y, Tsuchiya H, Morishita H, Katsuo S, Tsubota S, Tomita K: Growth inhibition and

- differentiation of human osteosarcoma cells induced by 1 alpha, 25 dihydroxyvitamin D3: Correlation between antitumor effects of 1 alpha, 25 dihydroxyvitamin D3 and its receptor number. Proceedings of 7th International Symposium on Limb Salvage, **Limb Salvage-Current Trends**, Singapore, pp. 521,1993.
- 9 Tomita K, Tsuchiya H, Kawahara N: New proposal on surgical staging of vertebral tumour (VTS) for spine salvage surgery. Proceedings of 7th International Symposium on Limb Salvage, **Limb Salvage-Current Trends**, Singapore, pp. 548-549,1993.
 - 10 Tsuchiya H, Tomita K: Ilizarov application for tumor reconstruction. In: **Treatment of Fractures, Non-Union, and Bone-Loss of the Tibia with the Ilizarov Method - Including War Injuries and Tumor Resection**. Catagni MA and Maiocchi AB eds, pp. 195-203, Medi Surgical Video, Milan, Italy, 1998.
 - 11 Tomita K, Tsuchiya H, Kawahara N, Hata M, Murakami H: En bloc sacrectomy. In: **Surgical Approaches to the Spine**. Watkins RG ed, 2nd Ed, pp. 205-216, Springer-Verlag, New York, 2003.
 - 12 Kawahara N, Tomita K, Tsuchiya H: Total en bloc spondylectomy: A new surgical technique. In: **Surgical Approaches to the Spine**. Watkins RG ed, 2nd Ed, pp. 309-325, Springer-Verlag, New York, 2003.
 - 13 Tsuchiya H, Abdel-Wanis ME, Tomita K: (Chapter IX) Joint-sparing surgery for juxta-articular osteosarcoma: Biological reconstruction with distraction osteogenesis and frozen autograft. In: **New Development in Bone Cancer Research**, O'Neill CE ed, pp 153-168, Novo Science Publishers, New York, 2005.
 - 14 Tsuchiya H: Reconstruction after tumor resection. **Limb Lengthening and Reconstruction Surgery**, Part IX TUMOR, Rosburch SR and Ilizarov S (eds), pp. 521-528, Informa, New York, 2006.
 - 15 Tsuchiya H, Yamamoto N, Hayashi K, Takeuchi A, Yamauchi K, Tomita K: Caffeine-potentiated chemotherapy and function-preserving surgery for osteosarcoma: A

- long-term result in a single institute. **UICC World Cancer Congress**, pp. 33-36, MEDIMOND S.r.l., Bologna, Italy, 2006.
- 16 Yamamoto N, Tsuchiya H, Nishida H, Hayashi K, Yamauchi K, Hisakado H, Tanzawa Y, Takeuchi A, Srisawat P, Tomita K: Pelvic reconstruction for malignant bone tumors using massive frozen autograft. **UICC World Cancer Congress**, pp. 37-40, MEDIMOND S.r.l., Bologna, Italy, 2006.
- 17 Takeuchi A, Tsuchiya H, Yamamoto N, Hayashi K, Yamauchi K, Tomita K: Efficacy of caffeine-potentiated chemotherapy for high-grade soft tissue sarcoma. **UICC World Cancer Congress**, pp. 27-32, MEDIMOND S.r.l., Bologna, Italy, 2006.
- 18 Tsuchiya H, Hayashi K: Application of external fixation in long bone tumor. In: **The Basic Principles of External Skeletal Fixation Using the Ilizarov and Other Devices**, Solomin LN ed, 2nd ed, pp. 1379-1390, Springer, Milan Heidelberg New York Dordrecht London, 2012.
- 19 Tsuchiya H, Nishida H: Joint preservation and biological reconstruction for osteosarcoma around the knee. Johari A, Luk KDK, Waddell JP, eds. **Current Progress in Orthopaedics**, An Educational Initiative of SICOT, pp 345-356, Tree Life Media, 2014.
- 20 Kawahara N, Tomita K, Kawaguchi M, Murakami H, Matsumoto T, Tsuchiya H: Management of spinal metastasis. Johari A, Luk KDK, Waddell JP, eds. **Current Progress in Orthopaedics**, An Educational Initiative of SICOT, pp 175-186, Tree Life Media, 2014.
- 21 Tsuchiya H, Yamamoto N: Application of external fixators for reconstruction in bone tumor surgery. In: **Advanced Techniques in Limb Reconstruction Surgery**, Kocaoglu M, Tsuchiya H, Eralp L eds. pp177-189, Springer Heidelberg New York Dordrecht London, 2015.