

1. 英文原著・総説・教科書

Aibe N, Demizu Y, Sulaiman NS, Matsuo Y, Mima M, Nagano F, Terashima K, Tokumaru S, Hayakawa T, Suga M, Daimon T, Suzuki G, Yamazaki H, Sasaki R, Fuwa N, Okimoto T. Outcomes of Patients With Primary Sacral Chordoma Treated With Definitive Proton Beam Therapy. *Int J Radiat Oncol Biol Phys*. 2018 Mar 15;100(4):972–979.

Akino Y, Wu H, Oh RJ, Das IJ. An effective method to reduce the interplay effects between respiratory motion and a uniform scanning proton beam irradiation for liver tumors: A case study. *J Appl Clin Med Phys* 2018, 20(1): 220–228.

Akino Y, Sumida I, Shiomi H, Higashinaka N, Murashima Y, Hayashida M, Mabuchi N, Ogawa K. Evaluation of the accuracy of the CyberKnife Synchrony™ Respiratory Tracking System using a plastic scintillator. *Med Phys* 2018, 45(8): 3506–3515.

Andersen T.N., Darvann T.A., Murakami S., Larsen P., Senda Y., Bilde A., Buchwald C.V., Kreiborg S. Accuracy and precision of manual segmentation of the maxillary sinus in MR images. *British Journal of Radiology*. 2018; 91: 1085

Baek SJ, Sato K, Nishida N, Koseki J, Hayashi K, Kawamoto K, Konno M, Doki Y, Mori M, Ogawa K, Ishii H. Carbon ion beam radioresistant rodent cells are sensitized to trifluorothymidine exposure. *Oncol Lett*. 2018 Sep;16(3):3389–3393.

Eguchi H, Yamada D, Iwagami Y, Gotoh K, Kawamoto K, Wada H, Asaoka T, Noda T, Takeda Y, Tanemura M, Sakai D, Satoh T, Kudo T, Isohashi F, Mori M, Doki Y. Prolonged Neoadjuvant Therapy for Locally Advanced Pancreatic Cancer. *Dig Surg*. 2018;35(1):70–76.

Felemban D., Verdonschot R.G., Iwamoto Y., Uchiyama Y., Kakimoto N., Kreiborg S., Murakami S. A quantitative experimental phantom study on MRI image uniformity. *Dentomaxillofacial Radiology*. 2018; 47:

Hayashi K, Koto M, Ikawa H, Ogawa K, Kamada T. Efficacy and safety of carbon-ion radiotherapy for lacrimal gland carcinomas with extraorbital extension: a retrospective cohort study. *Oncotarget*. 2018 Feb 3;9(16):12932–12940.

Hayashi K, Koto M, Demizu Y, Saitoh JI, Suefuji H, Okimoto T, Ohno T, Shioyama Y, Takagi R, Ikawa H, Nemoto K, Nakano T, Kamada T; Japan Carbon-Ion Radiation Oncology Study Group. A

retrospective multicenter study of carbon-ion radiotherapy for major salivary gland carcinomas: Subanalysis of J-CROS 1402 HN. *Cancer Sci.* 2018 May;109(5):1576–1582.

Hayashi K, Yamamoto N, Karube M, Nakajima M, Tsuji H, Ogawa K, Kamada T. Feasibility of carbon-ion radiotherapy for re-irradiation of locoregionally recurrent, metastatic, or secondary lung tumors. *Cancer Sci.* 2018 May;109(5):1562–1569.

Hayashi T., Arai Y., Chikui T., Hayashi-Sakai S., Honda K., Indo H., Kawai T., Kobayashi K., Murakami S., Nagasawa M., Naitoh M., Nakayama E., Nikkuni Y., Nishiyama H., Shoji N., Suenaga S., Tanaka R. Clinical guidelines for dental cone-beam computed tomography. *Oral Radiology* 2018 34: 89–104.

Hirata T, Kinoshita M, Tamari K, Seo Y, Suzuki O, Wakai N, Achiha T, Umehara T, Arita H, Kagawa N, Kanemura Y, Shimosegawa E, Hashimoto N, Hatazawa J, Kishima H, Teshima T, Ogawa K. 11C-methionine-18F-FDG dual-PET-tracer-based target delineation of malignant glioma: evaluation of its geometrical and clinical features for planning radiation therapy. *J Neurosurg.* 2018 Sep 1:1–11.

Kanayama N, Kierkels RGJ, van der Schaaf A, Steenbakkens RJHM, Yoshioka Y, Nishiyama K, Fujii T, Ogawa K, Langendijk JA, Teshima T. External validation of a multifactorial normal tissue complication probability model for tube feeding dependence at 6 months after definitive radiotherapy for head and neck cancer. *Radiother Oncol.* 2018 Nov;129(2):403–408.

Koike Y, Sumida I, Mizuno H, Shiomi H, Kurosu K, Ota S, Yoshioka Y, Suzuki O, Tamari K, Ogawa K. Dosimetric impact of intra-fraction prostate motion under a tumour-tracking system in hypofractionated robotic radiosurgery. *PLoS One.* 2018 Apr 5;13(4):e0195296.

Kurosu K, Sumida I, Suzuki O, Shiomi H, Ota S, Otani K, Tamari K, Seo Y, Ogawa K. Dosimetric and clinical effects of interfraction and intrafraction correlation errors during marker-based real-time tumor tracking for liver SBRT. *J Radiat Res.* 2018 Mar 1;59(2):164–172.

Murakami N, Ueno T, Yatsuoka W, Okamoto H, Tselis N, Masui K, Yoshida K, Takahashi K, Inaba K, Okuma K, Igaki H, Nakayama Y, Itami J. Dose coverage comparison between “interstitial catheter-only” and “hybrid intracavitary-interstitial brachytherapy” for early stage squamous cell carcinoma of the buccal mucosa. *J Contemp Brachytherapy.* 2018;10:486–491.

Nakano H, Minami K, Yagi M, Imaizumi H, Otani Y, Inoue S, Takashina M, Seo Y, Takahashi Y, Sumida I, Ogawa K, Koizumi M. Radiobiological effects of flattening filter-free photon beams on A549 non-small-cell lung cancer cells. J Radiat Res. 2018 Jul 1;59(4):442-445.

Ohira S, Ueda Y, Akino Y, Hashimoto M, Masaoka A, Hirata T, Miyazaki M, Koizumi M, Teshima T. HyperArc VMAT planning for single and multiple brain metastases stereotactic radiosurgery: a new treatment planning approach. Radiat Oncol 2018, 13(1): 13.

Otani Y, Sumida I, Nose T, Shimamoto S, Okubo H, Ogawa K. High-dose rate intracavitary brachytherapy pretreatment dwell position verification using a transparent applicator. J Appl Clin Med Phys. 2018 Sep;19(5):428-434.

Sasaki N, Yamazaki H, Shimizu D, Suzuki G, Masui K, Nakamura S, Okabe H, Nishikawa T, Yoshida K. Long-term Outcomes of a Dose-reduction Trial to Decrease Late Gastrointestinal Toxicity in Patients with Prostate Cancer Receiving Soft Tissue-matched Image-guided Intensity-modulated Radiotherapy. Anticancer Res. 2018 Jan;38(1):385-391.

Shimamoto H., Tsujimoto T., Kakimoto N., Majima M., Iwamoto Y., Senda Y., Murakami S. Effectiveness of the periodically rotated overlapping parallel lines with enhanced reconstruction (PROPELLER) technique for reducing motion artifacts caused by mandibular movements on fat-suppressed T2-weighted magnetic resonance (MR) images. Magnetic Resonance Imaging. 2018); 54: 1-7.

Shimamoto H., Grogan T.R., Tsujimoto T., Kakimoto N., Murakami S., Elashoff D., Aghaloo T.L., Tetradis S. Does CBCT alter the diagnostic thinking efficacy, management and prognosis of patients with suspected Stage 0 medication-related osteonecrosis of the jaws? Dentomaxillofacial Radiology. 2018; 47: 3

Suzuki G, Yamazaki H, Aibe N, Masui K, Sasaki N, Shimizu D, Kimoto T, Shiozaki A, Dohi O, Fujiwara H, Ishikawa T, Konishi H, Naito Y, Otsuji E, Yamada K. Endoscopic submucosal dissection followed by chemoradiotherapy for superficial esophageal cancer: choice of new approach. Radiat Oncol. 2018 Dec 14;13(1):246.

Suzuki G, Yamazaki H, Aibe N, Masui K, Shimizu D, Kimoto T, Nishimura T, Nakashima A, Takenaka T, Dohi O, Ishikawa T, Yamada K. Radiotherapy for T1N0M0 Esophageal Cancer: Analyses of the Predictive Factors and the Role of Endoscopic Submucosal Dissection in the Local Control.

Cancers (Basel). 2018 Aug 3;10(8).

Suzuki G, Yamazaki H, Aibe N, Masui K, Sasaki N, Tatekawa K, Shimizu D, Kimoto T, Nishimura T, Nakashima A, Yamada K. Palliative Reirradiation for Painful Bone Metastases: Clinical Cases and Literature Review. Kurume Med J. 2018 Feb 26;64(1.2):5–11.

Tamari K, Konno M, Asai A, Koseki J, Hayashi K, Kawamoto K, Murai N, Matsufuji S, Isohashi F, Satoh T, Goto N, Tanaka S, Doki Y, Mori M, Ogawa K, Ishii H. Polyamine flux suppresses histone lysine demethylases and enhances ID1 expression in cancer stem cells. Cell Death Discov. 2018 Nov 13;4:104.

Tamari K, Oh RJ, Masai N, Shiomi H, Otani K, Suzuki O, Ogawa K. Long-term Outcomes of Radiotherapy Regimen of 72 Gy in 30 Fractions for Prostate Cancer. Anticancer Res. 2018 Jul;38(7):4207–4212.

Takenaka T, Yamazaki H, Suzuki G, Aibe N, Masui K, Shimizu D, Nishimura T, Nakashima A, Ogata T, Matsushita K, Yoshida K, Yamada K. Correlation Between Dosimetric Parameters and Acute Dermatitis of Post-operative Radiotherapy in Breast Cancer Patients. In Vivo. 2018 Nov–Dec;32(6):1499–1504.

Taketo K, Konno M, Asai A, Koseki J, Toratani M, Satoh T, Doki Y, Mori M, Ishii H, Ogawa K. The epitranscriptome m6A writer METTL3 promotes chemo- and radioresistance in pancreatic cancer cells. Int J Oncol. 2018 Feb;52(2):621–629.

Tamiya A, Morimoto M, Fukuda S, Naoki Y, Ibe T, Okishio K, Goto H, Yoshii A, Kita T, Nogami N, Fujita Y, Atagi S. A phase I/II trial of pemetrexed plus radiotherapy in elderly patients with locally advanced non-small cell lung cancer. Invest New Drugs. 2018;36(4):667–673.

Toita T, Ohno T, Ikushima H, Nishimura T, Uno T, Ogawa K, Onishi H, Dokiya T, Itami J; Working Group of the Japanese Group of Brachytherapy/Japan Society for Radiation Oncology (JGB/JASTRO). National survey of intracavitary brachytherapy for intact uterine cervical cancer in Japan. J Radiat Res. 2018 Jul 1;59(4):469–476.

Toratani M, Konno M, Asai A, Koseki J, Kawamoto K, Tamari K, Li Z, Sakai D, Kudo T, Satoh T, Sato K, Motooka D, Okuzaki D, Doki Y, Mori M, Ogawa K, Ishii H. A Convolutional Neural Network

Uses Microscopic Images to Differentiate between Mouse and Human Cell Lines and Their Radioresistant Clones. *Cancer Res.* 2018 Dec 1;78(23):6703–6707.

Tsubouchi T, Yagi M, Sumida I, Tamari K, Seo Y, Ogawa K. The effect of beam shape on physical parameters of head and neck simultaneous–integrated boost intensity–modulated radiation therapy. *Rep Pract Oncol Radiother.* 2018 Sep–Oct;23(5):425–432.

Tsubokura T, Yamazaki H, Masui K, Sasaki N, Shimizu D, Suzuki G, Nakamura S, Yamada K, Okihara K, Shiraishi T, Yoshida K, Nishikawa T, Okabe H. Comparison of Image–Guided Intensity–Modulated Radiotherapy and Low–dose Rate Brachytherapy with or without External Beam Radiotherapy in Patients with Localized Prostate Cancer. *Sci Rep.* 2018 Jul 12;8(1):10538.

Uchiyama Y., Sumi T., Marutani K., Takaoka H., Murakami S., Kameyama H., Yura Y. Neurofibromatosis Type 1 in the Mandible. *Annals of Maxillofacial Surgery.* 2018 8: 121–123.

Umezawa R, Murakami N, Nakamura S, Wakita A, Okamoto H, Tsuchida K, Kashihara T, Kobayashi K, Harada K, Takahashi K, Inaba K, Ito Y, Igaki H, Masui K, Yoshida K, Jingu K, Tselis N, Itami J. Image–guided interstitial high–dose–rate brachytherapy for locally recurrent uterine cervical cancer: A single–institution study. *Brachytherapy.* 2018;17:368–376.

Varnava M, Sumida I, Mizuno H, Shiomi H, Suzuki O, Yoshioka Y, Ogawa K. A new plan quality objective function for determining optimal collimator combinations in prostate cancer treatment with stereotactic body radiation therapy using CyberKnife. *PLoS One.* 2018 Nov 27;13(11): e0208086.

Wada K, Kishi N, Kanayama N, Hirata T, Morimoto M, Konishi K, Imamura F, Teshima T, Ogawa K. Radiation Dose Escalation in Accelerated Hyperfractionated Radiotherapy for Stage III Non–small–cell Lung Cancer. *Anticancer Res.* 2018 Oct;38(10):5951–5958.

Wakisaka Y, Yagi M, Sumida I, Takashina M, Ogawa K, Koizumi M. Impact of time–related factors on biologically accurate radiotherapy treatment planning. *Radiat Oncol.* 2018 Feb 23;13(1):30.

Yamazaki H, Masui K, Suzuki G, Nakamura S, Aibe N, Shimizu D, Nishikawa T, Okabe H, Yoshida K, Kotsuma T, Tanaka E, Otani K, Yoshioka Y, Ogawa K. Radiotherapy for Elderly Patients Aged ≥ 75 Years with Clinically Localized Prostate Cancer–Is There a Role of Brachytherapy? *J Clin Med.* 2018 Nov 8;7(11).

Yamazaki H, Masui K, Suzuki G, Nakamura S, Shimizu D, Nishikawa T, Okabe H, Yoshida K, Kotsuma T, Tanaka E, Otani K, Yoshioka Y, Ogawa K. High-Dose-Rate Brachytherapy Monotherapy versus Image-Guided Intensity-Modulated Radiotherapy with Helical Tomotherapy for Patients with Localized Prostate Cancer. *Cancers (Basel)*. 2018 Sep 10;10(9).

Yamazaki H, Masui K, Suzuki G, Nakamura S, Yoshida K, Kotsuma T, Tanaka E, Otani K, Yoshioka Y, Ogawa K. Comparison of three moderate fractionated schedules employed in high-dose-rate brachytherapy monotherapy for clinically localized prostate cancer. *Radiother Oncol*. 2018 Nov;129(2):370-376.

Yamazaki H, Suzuki G, Nakamura S, Hirano S, Yoshida K, Konishi K, Teshima T, Ogawa K. Radiotherapy for locally advanced resectable T3-T4 laryngeal cancer—does laryngeal preservation strategy compromise survival? *J Radiat Res*. 2018 Jan 1;59(1):77-90.

Yamazaki H, Takenaka T, Aibe N, Suzuki G, Yoshida K, Nakamura S, Masui K, Kimoto T, Sasaki N, Nishimura T, Nakashima A, Goto M, Yamada K. Comparison of radiation dermatitis between hypofractionated and conventionally fractionated postoperative radiotherapy: objective, longitudinal assessment of skin color. *Sci Rep*. 2018 Aug 17;8(1):12306.