

## 1. 英文原著・総説・教科書

Adachi K, Hayashi K, Kagawa N, Kinoshita M, Sumida I, Akino Y, Shiomi H, Tamari K, Suzuki O, Hirayama R, Kijima N, Isohashi F, Seo Y, Otani K, Kishima H, Ogawa K. Feasibility of Salvage Re-irradiation With Stereotactic Radiotherapy for Recurrent Glioma Using CyberKnife. *Anticancer Res.* 2019 Jun;39(6):2935-2940.

Akino Y, Shiomi H, Sumida I, Isohashi F, Seo Y, Suzuki O, Tamari K, Otani K, Higashinaka N, Hayashida M, Mabuchi N, Ogawa K. Impacts of respiratory phase shifts on motion-tracking accuracy of the CyberKnife Synchrony™ Respiratory Tracking System. *Med Phys.* 2019 Sep;46(9):3757-3766.

Akino Y, Fujiwara M, Mizuno H, Shiomi H, Kaneko A, Isohashi F, Seo Y, Suzuki O, Otani K, Tamari K, Ogawa K. Feasibility of virtual starshot analysis providing submillimeter radiation isocenter accuracy: A long-term multi-institutional analysis. *J Appl Clin Med Phys.* 2019 Oct;20(10):74-83.

Eguchi H, Takeda Y, Takahashi H, Nakahira S, Kashiwazaki M, Shimizu J, Sakai D, Isohashi F, Nagano H, Mori M, Doki Y. A Prospective, Open-Label, Multicenter Phase 2 Trial of Neoadjuvant Therapy Using Full-Dose Gemcitabine and S-1 Concurrent with Radiation for Resectable Pancreatic Ductal Adenocarcinoma. *Ann Surg Oncol.* 2019 Dec;26(13):4498-4505.

Hayashi K, Koto M, Ikawa H, Hagiwara Y, Tsuji H, Ogawa K, Kamada T. Feasibility of Re-irradiation using carbon ions for recurrent head and neck malignancies after carbon-ion radiotherapy. *Radiother Oncol.* 2019 Jul;136:148-153.

Hayashi Y, Iijima H, Isohashi F, Tsuji Y, Fujinaga T, Nagai K, Yoshii S, Sakatani A, Hiyama S, Shinzaki S, Makino T, Yamasaki M, Ogawa K, Doki Y, Takehara T. The heart's exposure to radiation increases the risk of cardiac toxicity after chemoradiotherapy for superficial esophageal cancer: a retrospective cohort study. *BMC Cancer.* 2019 Mar 4;19(1):195.

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.* 2019 Sep 21;131(3):676-686.

Ikawa T, Ishihara R, Konishi K, Morimoto M, Hirata T, Kanayama N, Yamamoto S, Matsuura N, Wada K, Hayashi K, Ogawa K, Teshima T. Failure patterns after adjuvant chemoradiotherapy following endoscopic resection for superficial esophageal squamous cell carcinoma. *Cancer Med.* 2019 Aug;8(10):4547-4554.

Ishikawa H, Tsuji H, Murayama S, Sugimoto M, Shinohara N, Maruyama S, Murakami M, Shirato H, Sakurai H. Particle therapy for prostate cancer: The past, present and future. *Int J Urol.* 2019 Oct;26(10):971-979.

Isohashi F, Takano T, Onuki M, Arimoto T, Kawamura N, Hara R, Kawano Y, Ota Y, Inokuchi H, Shinjo H, Saito T, Fujiwara S, Sawasaki T, Ando K, Horie K, Okamoto H, Murakami N, Hasumi Y, Kasamatsu T, Toita T. A multi-institutional observational study on the effects of three-dimensional radiotherapy and weekly 40-mg/m<sup>2</sup> cisplatin on postoperative uterine cervical cancer patients with high-risk prognostic factors. *Int J Clin Oncol.* 2019 May;24(5):575-582.

Jingu K, Takahashi N, Murakami Y, Ishikawa K, Itasaka S, Takahashi T, Isohashi F, Sakayauchi T, Ogawa K; JROSG Working Subgroup of Gastrointestinal Cancers. Is Concurrent Chemotherapy With Radiotherapy for Esophageal Cancer Beneficial in Patients Aged 80 Years or Older? *Anticancer Res.* 2019 Aug;39(8):4279-4283.

Journy N, Indelicato DJ, Withrow DR, Akimoto T, Alapetite C, Araya M, Chang A, Chang JH, Chon B, Confer ME, Demizu Y, Dendale R, Doyen J, Ermoian R, Gurtner K, Hill-Kayser C, Iwata H, Kim JY, Kwok Y, Laack NN, Lee C, Lim DH, Loredo L, Mangona VS, Mansur DB, Murakami M, Murayama S, Ogino T, Ondrová B, Parikh RR, Paulino AC, Perkins S, Ramakrishna NR, Richter R, Rombi B, Shibata S, Shimizu S, Timmermann B, Vern-Gross T, Wang CJ, Weber DC, Wilkinson JB, Witt Nyström P, Yock TI, Kleinerman RA, Berrington de Gonzalez A. Patterns of proton therapy use in pediatric cancer management in 2016: An international survey. *Radiother Oncol.* 2019 Mar;132:155-161.

Kakimoto, N., Shimamoto, H., Kitisubkanchana, J., Murakami, S. T2 relaxation times of the retrodiscal tissue in patients with temporomandibular joint disorders and in healthy volunteers: a comparative study. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology.* 2019年2月. Volume 128, Issue 3, Pages 311-318.

Kaneko A, Sumida I, Mizuno H, Isohashi F, Suzuki O, Seo Y, Otani K, Tamari K, Ogawa K. Comparison of gamma index based on dosimetric error and clinically relevant dose-volume

index based on three-dimensional dose prediction in breast intensity-modulated radiation therapy. Radiat Oncol. 2019 Feb 26;14(1):36.

Kawashima A, Isohashi F, Mabuchi S, Sawada K, Ueda Y, Kobayashi E, Matsumoto Y, Otani K, Tamari K, Seo Y, Suzuki O, Sumida I, Tomimatsu T, Kimura T, Ogawa K. A 3-year follow-up study of radiotherapy using computed tomography-based image-guided brachytherapy for cervical cancer. J Radiat Res. 2019 Mar 1;60(2):264-269.

Kimura K, Hayashi Y, Otani K, Tsujii Y, Iijima H, Isohashi F, Ogawa K, Takehara T. Esophageal carcinosarcoma that disappeared pathologically by palliative radiotherapy alone. Clin J Gastroenterol. 2019 Jun;12(3):247-253.

Kitamori, H., Sumida, I., Tsujimoto, T., Murakami, S., Ohki, M. Evaluation of mouthpiece fixation devices for head and neck radiotherapy patients fabricated in PolyJet photopolymer by a 3D printer. Physica Medica. 2019年2月. Volume 58, Pages 90-98.

Komura N, Mabuchi S, Isohashi F, Yokoi E, Shimura K, Matsumoto Y, Kodama M, Tomimatsu T, Ogawa K, Kimura T. Radiotherapy for isolated recurrent epithelial ovarian cancer: A single institutional experience. J Obstet Gynaecol Res. 2019 Jun;45(6):1173-1182.

Miwa, S, Wada, M, Murakami, S, et al. Gonial Angle Measured by Orthopantomography as a Predictor of Maximum Occlusal Force. Journal of Prosthodontics. 2019 年 1 月 . 10.1111/jopr.12598

Miyagawa K, Tanaka S, Hiroishi S, Matsushita Y, Murakami S, Kogo M. Comparative evaluation of bone microstructure in alveolar cleft repair by cone beam CT: influence of different autologous donor sites and additional application of  $\beta$ -tricalcium phosphate. Clinical Oral Investigations. 2019年10月. 10.1007/s00784-019-03142-1

Morimoto M, Bijl HP, VAN DER Schaaf A, Xu CJ, Steenbakkers RJHM, Chouvalova O, Yoshioka Y, Teshima T, Langendijk JA. Development of Normal Tissue Complication Probability Model for Trismus in Head and Neck Cancer Patients Treated With Radiotherapy: The Role of Dosimetric and Clinical Factors. Anticancer Res. 2019 Dec;39(12):6787-6798.

Murakami N, Isohashi F, Hasumi Y, Kasamatsu T, Okamoto H, Nakamura K, Shibata T, Ito Y, Ishikura S, Nishimura Y, Yaegashi N, Toita T. Single-arm confirmatory trial of postoperative concurrent chemoradiotherapy using intensity modulated radiation therapy for patients with high-risk uterine cervical cancer: Japan Clinical Oncology Group study (JCOG1402). Jpn J Clin Oncol. 2019 Sep 1;49(9):881-885.

Nose T, Masui K, Takenaka T, Yamazaki H, Nakata K, Otani Y, Kumita S. An easy and novel method for safer brachytherapy: real-time fluoroscopic verification of high-dose-rate 192Ir source position using a flat-panel detector. J Radiat Res. 2019 May 1;60(3):412-415.

Numasaki H, Teshima T, Nishimura T, Akuta K, Ando Y, Ikeda H, Kamikonya N, Koizumi M, Sasaki T, Sekiguchi K, Tago M, Terahara A, Nakamura K, Nishio M, Murakami M, Mori Y, Ogawa K; Japanese Society for Radiation Oncology Database Committee. Japanese Structure Survey of Radiation Oncology in 2011. J Radiat Res. 2019 Nov 22;60(6):786-802.

Okamoto H, Murakami N, Isohashi F, Kasamatsu T, Hasumi Y, Iijima K, Nishioka S, Nakamura S, Nakamura M, Nishio T, Igaki H, Nakayama Y, Itami J, Ishikura S, Nishimura Y, Toita T. Dummy-run for standardizing plan quality of intensity-modulated radiotherapy for postoperative uterine cervical cancer: Japan Clinical Oncology Group study (JCOG1402). Radiat Oncol. 2019 Jul 29;14(1):133.

Ohnishi K, Nakamura N, Harada H, Tokumaru S, Wada H, Arimura T, Iwata H, Sato Y, Sekino Y, Tamamura H, Mizoe JE, Ogino T, Ishikawa H, Kikuchi Y, Okimoto T, Murayama S, Akimoto T, Sakurai H. Proton Beam Therapy for Histologically or Clinically Diagnosed Stage I Non-Small Cell Lung Cancer (NSCLC): The First Nationwide Retrospective Study in Japan. Int J Radiat Oncol Biol Phys. 2020 Jan 1;106(1):82-89.

Sagawa T, Ohira S, Ueda Y, Akino Y, Mizuno H, Matsumoto M, Miyazaki M, Koizumi M, Teshima T. Dosimetric effect of rotational setup errors in stereotactic radiosurgery with HyperArc for single and multiple brain metastases. J Appl Clin Med Phys. 2019 Oct;20(10):84-91

Sumida I, Magome T, Kitamori H, Das IJ, Yamaguchi H, Kizaki H, Aboshi K, Yamashita K, Yamada Y, Seo Y, Isohashi F, Ogawa K. Deep convolutional neural network for reduction of contrast-enhanced region on CT images. J Radiat Res. 2019 Oct 23;60(5):586-594.

Suzuki G, Masui K, Yamazaki H, Takenaka T, Asai S, Taniguchi H, Nakamura T, Ukimura O, Yamada K. Abscopal effect of high-dose-rate brachytherapy on pelvic bone metastases from

renal cell carcinoma: a case report. J Contemp Brachytherapy. 2019 Oct;11(5):458-461.

Suzuki G, Ogata T, Aibe N, Yamazaki H, Yagyu S, Iehara T, Hosoi H, Yamada K. Effective heart-sparing whole lung irradiation using volumetric modulated arc therapy: a case report. J Med Case Rep. 2019 Sep 2;13(1):277.

Suzuki G, Yamazaki H, Aibe N, Masui K, Kimoto T, Shimizu D, Nishimura T, Nakashima A, Machida K, Kawabata K, Ota Y, Fujiwara H, Ishikawa T, Yamada K. Definitive Radiotherapy for Older Patients Aged  $\geq 75$  Years With Localized Esophageal Cancer. In Vivo. 2019 May-Jun;33(3):925-932.

Takahashi Y, Yasui T, Minami K, Tamari K, Hayashi K, Otani K, Seo Y, Isohashi F, Koizumi M, Ogawa K. Carbon ion irradiation enhances the antitumor efficacy of dual immune checkpoint blockade therapy both for local and distant sites in murine osteosarcoma. Oncotarget. 2019 Jan 18;10(6):633-646.

Tamari K, Sano K, Li Z, Seo Y, Otani K, Tatekawa S, Toratani M, Takaoka Y, Takahashi Y, Minami K, Isohashi F, Koizumi M, Ogawa K. Ro 90-7501 Is a Novel Radiosensitizer for Cervical Cancer Cells that Inhibits ATM Phosphorylation. Anticancer Res. 2019 Sep;39(9):4805-4810.

Tamura S, Okamura Y, Sugiura T, Ito T, Yamamoto Y, Ashida R, Ohgi K, Murayama S, Uesaka K. A comparison of the outcomes between surgical resection and proton beam therapy for single primary hepatocellular carcinoma. Surg Today. 2020 Apr;50(4):369-378.

Yamamoto Y, Takemoto N, Michiba T, Seo Y, Isohashi F, Otani K, Suzuki M, Fujii T, Yoshii T, Mitani K, Yasui T, Cho H, Tomita Y, Morii E, Teshima T, Ogawa K, Inohara H. Radiotherapy alone as a possible de-intensified treatment for human papillomavirus-related locally advanced oropharyngeal squamous cell carcinoma. Int J Clin Oncol. 2019 Jun;24(6):640-648.

Yamazaki H, Masui K, Suzuki G, Nakamura S, Yoshida K, Kotsuma T, Tanaka E, Otani K, Yoshioka Y, Ogawa K. Influence of transitioning of planning techniques in high-dose-rate brachytherapy monotherapy for clinically localized prostate cancer from two- to three-dimensional planning. Brachytherapy. 2019 Sep - Oct;18(5):589-597.

Yamazaki H, Masui K, Suzuki G, Nakamura S, Aibe N, Shimizu D, Yamada K, Okihara K, Shiraishi T, Kotsuma T, Yoshida K, Tanaka E, Otani K, Yoshioka Y, Ogawa K, Nishikawa T, Okabe H. Effect of Androgen Deprivation Therapy on Other-Cause of Mortality in Elderly Patients with Clinically Localized Prostate Cancer Treated with Modern Radiotherapy: Is There a Negative Impact? *J Clin Med.* 2019 Mar 11;8(3).

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, Masui K, Suzuki G, Nakamura S, Yamada K, Okihara K, Shiraishi T, Yoshida K, Kotsuma T, Tanaka E, Otani K, Yoshioka Y, Ogawa K. High-dose-rate brachytherapy monotherapy versus low-dose-rate brachytherapy with or without external beam radiotherapy for clinically localized prostate cancer. *Radiother Oncol.* 2019 Mar;132:162-170.

Yamazaki H, Masui K, Suzuki G, Nakamura S, Yamada K, Okihara K, Shiraishi T, Yoshida K, Kotsuma T, Tanaka E, Otani K, Yoshioka Y, Ogawa K. High-dose-rate brachytherapy monotherapy versus low-dose-rate brachytherapy with or without external beam radiotherapy for clinically localized prostate cancer. *ESTRO newsletter.* March/April, 2019 p41-42