

令和元年度-3年度厚生労働科学研究費補助金（地域医療基盤開発推進研究事業）
「新規及び既存の放射線診療に対応する放射線防護の基準策定のための研究」（19IA1004）
（研究代表者：細野 眞）

研究成果の刊行に関する一覧表

令和元（2019）年度 書籍

著者氏名	論文 タイトル名	書籍全体の 編集者名	書 籍 名	出版社名	出版地	出版年	ページ
五十嵐博, 高橋 康幸, 星 弦太, 諸澄邦彦, 米持 圭太, 渡辺真由 美		山口一郎 (監修), 高橋康幸 (編集), 五十嵐博 (編集)	診療用放射線 事務 手続き・安全管理・ 日常点検	医療科学 社	東京	2019	

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令和元（2019）年度 雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Nishida T, Hayashi S, Takenaka M, <u>Hosono M</u> , Kogure H, Hasatani K, Yamaguchi S, Maruyama H, Doyama H, Ihara H, Yoshio T, Nagaïke K, Yamada T, Yakushijin T, Takagi T, Tsumura H, Kurita A, Asai S, Ito Y, Kuwai T, Hori Y, Maetani I, Ikezawa K, Iwashita T, Matsumoto K, Inada M	Multicentre prospective observational study protocol for radiation exposure from gastrointestinal fluoroscopic procedures (REX-GI study)	BMJ Open	10(e033604)	1-8	2020
Matsubara N, Kimura G, Uemura H, Uemura H, Nakamura M, Nagamori S, Mizokami A, Kikukawa H, <u>Hosono M</u> , Kinuya S, Krissel H, Siegel J, Kakehi Y	A randomized, double-blind, comparison of radium-223 and placebo, in combination with abiraterone acetate and prednisolone, in castration-resistant metastatic prostate cancer: subgroup analysis of Japanese patients in the ERA 223 study	Int J Clin Oncol	25(4)	720-731	2020
細野 眞	医療被ばくをめぐる動向	京府医大誌	129(2)	153-157	2020
<u>Hosono M</u> , Ikebuchi H, Kinuya S, Yanagida S, Nakamura Y, Yamada T, Sakaguchi K, Sugano H, Kojima K, Hatazawa J	Manual on the proper use of yttrium-90-labeled anti-P-cadherin antibody injection for radionuclide therapy in clinical trials (Second Edition)	Ann Nucl Med	33(11)	787-805	2019
Yonekura Y, Mattsson S, Flux G, Bolch WE, Dauer LT, Fisher DR, Lassmann M, Palm S, <u>Hosono M</u> , Doruff M, Divgi C, Zanzonico P	Radiological protection in therapy with radiopharmaceuticals	Ann ICRP	48(1)	5-95	2019
<u>Hosono M</u>	Perspectives for concepts of individualized radionuclide therapy, molecular radiotherapy, and theranostic approaches	Nuclear Medicine and Molecular Imaging	53(3)	167-171	2019

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<u>Hosono M</u> , Ikebuchi H, Nakamura Y, Yanagida S, Kinuya S	Introduction of the targeted alpha therapy (with Radium-223) into clinical practice in Japan: learnings and implementation	Ann Nucl Med	33(3)	211-221	2019
<u>Hosono M</u>	Radiation protection in therapy with radiopharmaceuticals	International Journal of Radiation Biology	95(10)	1427-1430	2019
Uemura H, Uemura H, Nagamori S, Wakumoto Y, Kimura G, Kikukawa H, Yokomizo A, Mizokami A, Kosaka T, Masumori N, Kawasaki Y, Yonese J, Nasu Y, Fukasawa S, Sugiyama T, Kinuya S, <u>Hosono M</u> , Yamaguchi I, Akagawa T, Matsubara N	Three year follow up of a phase II study of radium-223 dichloride in Japanese patients with symptomatic castration-resistant prostate cancer and bone metastases	Int J Clin Oncol	24(5)	557-566	2019
Ooe K, Watabe T, Kamiya T, Yoshimura T, <u>Hosono M</u> , Shinohara A, Hatazawa J	Quantitative measurement of ^{219}Rn radioactivity in exhaled breath from patients with bone metastasis of castration-resistant prostate cancer treated with $^{223}\text{RaCl}_2$	EJNMMI Physic	6(13)	1-11	2019
<u>山口一郎</u>	国際機関による職業放射線防護に関する外部評価サービスの紹介	医療放射線防護	(81)	25-27	2019
<u>山口一郎</u>	医療放射線の安全管理を説明する担当者を国際原子力機関はどう規定しているか？	医療放射線防護	(82)	44-46	2020
Kodama T, Saito Y, Hatanaka S, Hariu M, Shimbo M, <u>Takahashi T</u>	Commissioning of the Mobius3D independent dose verification system for tomotherapy	Journal of Applied Clinical Medical Physics	20(5)	12-20	2019

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Mizuno N, Yamauchi R, Kawamori J, Itazawa T, Shimbo M, Nishimura K, Yamano T, Hatanaka S, Hariu M, <u>Takahashi T</u>	Evaluation of a new commercial automated planning software for tangential breast intensity-modulated radiation therapy	Radiological Physics and Technology	12(3)	249-259	2019
Soda R, Hatanaka S, Hariu M, Shimbo M, Yamano T, Nishimura K, Kondo S, Utsumi N, <u>Takahashi T</u>	Evaluation of geometrical uncertainties on localized prostate radiotherapy of patients with bilateral metallic hip prostheses using 3D-CRT, IMRT and VMAT: A planning study	J Xray Sci Technol	28(2)	243-254	2020
兼安祐子, 藤原久也, 西村哲夫, 加藤真吾, 大野達也, 櫻井英幸, 楮本智子, 生島仁史, 宇野 隆, 徳丸直郎, 播磨洋子, 五味弘道, 喜多みどり, 野田真永, 高橋健夫, 新部 譲, 戸板孝文	子宮頸癌患者に対する日本語版QOL調査票の開発	日本婦人科腫瘍学会雑誌	36(4)	682-691	2018
Gonoi W, Okuma H, Hayashi TY, <u>Akahane M</u> , Nakai Y, Tateishi R, Mizuno S, Suzuki Y, Mitsuda M, Matsuda K, Nakagawa K, Isayama H, Miyagawa K, Koike K, Abe O	Development of pancreatic cancer during observation for hepatocellular carcinoma: A retrospective cohort study	Saudi J Gastroenterol	25(6)	390-396	2019
<u>Akahane M</u> , Kusakabe M, Murakami M, Shirouzu I, Terasaki M, Kazaoka J, Sasaki H, Yamada H	Fishbone migration to bile ducts after pancreaticoduodenectomy: a case series	Abdom Radiol (NY)	44(4)	1217-1222	2019
Fujiwara K, Tsuji AB, Sudo H, Sugyo A, Akiba H, Iwanari H, Kusano-Arai O, Tsumoto K, Momose T, Hamakubo T, <u>Higashi T</u>	¹¹¹ In-labeled anti-cadherin17 antibody D2101 has potential as a noninvasive imaging probe for diagnosing gastric cancer and lymph-node metastasis	Ann Nucl Med	34(1)	13-23	2020

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Nakamoto R, Okuyama C, Ishizu K, <u>Higashi T</u> , Takahashi M, Kusano K, Kagawa S, Yamauchi H	Diffusely Decreased Liver Uptake on FDG PET and Cancer-Associated Cachexia With Reduced Survival	Clin Nucl Med	44(8)	634-642	2019
Matsumoto H, Yoshii Y, Baden A, Kaneko E, Hashimoto H, Suzuki H, Kawamura K, Zhang MR, <u>Higashi T</u> , Kurihara H	Preclinical Pharmacokinetic and Safety Studies of Copper-Diacetyl-Bis(N ⁴ -Methylthiosemicarbazone) (Cu-ATSM): Translational Studies for Internal Radiotherapy	Transl Oncol	12(9)	1206-1212	2019
Okuyama C, <u>Higashi T</u> , Ishizu K, Nakamoto R, Takahashi M, Kusano K, Kagawa S, Yamauchi H	Bone Pseudometastasis on ¹⁸ F-FDG PET in Japanese Patients With Esophageal Cancer	Clin Nucl Med	44(10)	771-776	2019
Sudo H, Tsuji AB, Sugyo A, Nagatsu K, Minegishi K, Ishioka NS, Ito H, Yoshinaga K, <u>Higashi T</u>	Preclinical Evaluation of the Acute Radiotoxicity of the α -Emitting Molecular-Targeted Therapeutic Agent ²¹¹ At-MABG for the Treatment of Malignant Pheochromocytoma in Normal Mice	Transl Oncol	12(7)	879-888	2019
Yamauchi H, Kagawa S, Takahashi M, Oishi N, Ono M, <u>Higashi T</u>	Misery perfusion and amyloid deposition in atherosclerotic major cerebral artery disease	Neuroimage Clin	22	101762	2019
Yoshii Y, Matsumoto H, Yoshimoto M, Oe Y, Zhang MR, Nagatsu K, Sugyo A, Tsuji AB, <u>Higashi T</u>	⁶⁴ Cu-Intraperitoneal Radioimmunotherapy: A Novel Approach for Adjuvant Treatment in a Clinically Relevant Preclinical Model of Pancreatic Cancer	J Nucl Med	60(10)	1437-1443	2019

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Sudo H, Tsuji AB, Sugyo A, Saga T, Kaneko MK, Kato Y, <u>Higashi T</u>	Therapeutic efficacy evaluation of radioimmunotherapy with ⁹⁰ Y-labeled anti-podoplanin antibody NZ-12 for mesothelioma	Cancer Sci	110(5)	1653-1664	2019
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Yamauchi H, Kagawa S, Takahashi M, <u>Higashi T</u>	Long-term hemodynamic changes and blood pressure in atherosclerotic major cerebral artery disease	J Cereb Blood Flow Metab	39(2)	324-331	2019
Chusin T, <u>Matsubara K</u> , Takemura A, Okubo R, Ogawa Y	Validation of Mammographic X-Ray Spectra Generated Using Particle and Heavy Ion Transport Code System	Phys Med Biol	65(6)	065004	2020
Kobayashi M, Asada Y, Haba T, Matsunaga Y, <u>Matsubara K</u> , Minami K	OPTIMISATION OF SWALLOWING CT EXAMINATION: DOSE REDUCTION AND IMAGE QUALITY	Radiat Prot Dosimetry	185(4)	421-431	2019
Suzuki A, <u>Matsubara K</u> , Chusin T, Sasa Y	EYE LENS DOSES OF RADIOLOGY TECHNOLOGISTS WHO ASSIST PATIENTS DURING RADIOGRAPHY	Radiat Prot Dosimetry	185(3)	275-281	2019
Okubo R, <u>Matsubara K</u> , Chusin T, Hibino T, Ito Y	Feasibility of the new copper pipe method for evaluating half-value layer in computed tomography: A measurement and Monte Carlo simulation study	J Appl Clin Med Phys	20(12)	186-192	2019
Kawashima H, Ichikawa K, Hanaoka S, <u>Matsubara K</u>	Optimizing image quality using automatic exposure control based on the signal-difference-to-noise ratio: a phantom study	Australas Phys Eng Sci Med	42(3)	803-810	2019

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<u>Matsubara K</u> , Nagata H, Okubo R, Ogawa Y, Chusin T, Hirose A	Axial absorbed dose distributions during abdominal computed tomography acquisitions: Measurement and the Monte Carlo simulation study	J Phys Conf Ser	1248	012020	2019
Hara T, Niwa S, Urikura A, <u>Matsubara K</u> , Hoshino T, Nishimaru E, Taniguchi T	Assessment of longitudinal beam property and contrast uniformity for 256- and 320-row area detector computed tomography scanners in the 160-mm nonhelical volume-acquisition mode	J Appl Clin Med Phys	20(8)	164-170	2019
Kawashima H, Ichikawa K, <u>Matsubara K</u> , Nagata H, Takata T, Kobayashi S	Quality evaluation of image-based iterative reconstruction for CT: Comparison with hybrid iterative reconstruction	J Appl Clin Med Phys	20(6)	199-205	2019
Fukuda A, Lin PP, Ichikawa N, <u>Matsubara K</u>	Estimation of primary radiation output for wide-beam computed tomography scanner	J Appl Clin Med Phys	20(6)	152-159	2019
Karim MKA, Rahim NA, <u>Matsubara K</u> , Hashim S, Mhareb MHA, Musa Y	The effectiveness of bismuth breast shielding with protocol optimization in CT Thorax examination	J Xray Sci Technol	27(1)	139-147	2019
市川 尚, 松原孝祐, 福田篤志, 山本裕之	可搬型FPDを用いたCT装置におけるビーム幅測定の精度評価	日放技学誌	76(2)	161-167	2020
廣澤文香, 松原孝祐, 竹井泰孝, 小林育夫	オーバーテーブル式X線管形TV装置を用いたERCP検査における放射線防護具使用時の術者被ばく低減効果	日放技学誌	76(1)	54-63	2020
南 和芳, 松原孝祐, 林 勇樹, 藤原康人, 森元勝浩, 小島敏典	心電同期 CT 撮影においてボウタイフィルタとポジショニングが断面内線量分布と画質に及ぼす影響	日放技学誌	75(6)	536-545	2019

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研究成果の刊行に関する一覧表

令和2（2020）年度 書籍

著者氏名	論文 タイトル名	書籍全体の 編集者名	書 籍 名	出版社名	出版地	出版年	ページ
赤羽 正章	放射線防護	吉川 公彦 荒井 保明	IVRのすべて	メジカル ビュー	東京	2021年	
松原 孝祐	放射線防護 の基本概念	岩元 新一郎	診療放射線基礎 テキストシリーズ6 放射線安全管理学	共立出版	東京	2021年	85-127

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発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Hayashi S, Nishida T, Takenaka M, Hosono M, et al.	A Questionnaire Survey on Radiation Protection among Medical Staff from Endoscopy-Fluoroscopy Departments in Japan	DEN Open	in press		2021
Kanda R, Akahane M, Koba Y, Chang W, Akahane K, Okuda Y, Hosono M	Developing diagnostic reference levels in Japan	Japanese Journal of Radiology	39(4)	307-314	2021
Satoh Y, Kawamoto M, Kubota K, Murakami K, Hosono M, Senda M, Sasaki M, Momose T, Ito K, Okamura T, Oda K, Kuge Y, Sakurai M, Tateishi U, Fujibayashi Y, Magata Y, Yoshida T, Waki A, Kato K, Hashimoto T, Uchiyama M, Kinuya S, Higashi T, Magata Y, Machitori A, Maruno H, Minamimoto R, Yoshinaga K	Clinical practice guidelines for high-resolution breast PET, 2019 Edition	Ann Nucl Med	35(3)	406-414	2021
Hayashi S, Nishida T, Osugi N, Yamaoka S, Sugimoto A, Mukai K, Nakamatsu D, Matsumoto K, Yamamoto M, Fukui K, Takenaka M, Hosono M, Inada M	Time trend of the radiation exposure dose in endoscopic retrograde cholangiopancreatography over an 8-year period: a single-center retrospective study	American J Gastroenterology	116(1)	100-105	2021

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Abe K, <u>Hosono M</u> , Igarashi T, Iimori T, Ishiguro M, Ito T, Nagahata T, Tsushima H, Watanabe H	The 2020 national diagnostic reference levels for nuclear medicine in Japan	Ann Nucl Med	34(11)	799-806	2020
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山口 一郎	医療放射線の安全管理に責任を持つ担当者を国際原子力機関はどう規定しているか？	医療放射線防護	82	44-46	2020
Soda R, Hatanaka S, Hariu M, Shimbo M, Yamano T, Nishimura K, Kondo S, Utsumi N, <u>Takahashi T</u>	Evaluation of geometrical uncertainties on localized prostate radiotherapy of patients with bilateral metallic hip prostheses using 3D-CRT, IMRT and VMAT: A planning study	J Xray Sci Technol	28(2)	243-254	2020
針生 将嗣, 畑中 星吾, 近藤 修一, 新保 宗史, 齊藤 美音, 後藤 俊, 惣田 梨加奈, 山野 貴史, 西村 敬一郎, <u>高橋 健夫</u>	Virtual Realityを用いたAndroid/iOS端末対応型放射線治療擬似体験アプリケーションの開発	医学物理	40(4)	119-125	2020

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Kaneyasu Y, Fujiwara H, Nishimura T, Sakurai H, Kazumoto T, Ikushima H, Uno T, Tokumaru S, Harima Y, Gomi H, Toita T, Kita M, Noda S, <u>Takahashi T</u> , Kato S, Ohkawa A, Tozawa-Ono A, Ushijima H, Hasumi Y, Hirashima Y, Niibe Y, Nakagawa T, Akita T, Tanaka J, Ohno T	A multi-institutional survey of the quality of life after treatment for uterine cervical cancer: a comparison between radical radiotherapy and surgery in Japan. the Working Group of the Gynecological Tumor Committee of the Japanese Radiation Oncology Study Group (JROSG)	Journal of Radiation Research	62(2)	269-284	2021
<u>赤羽 正章</u>	日本の診断参考レベル2020年改定	画像診断	41(5)	517-521	2021
<u>赤羽 正章</u>	医療法施行規則改正に対応したJapan DRLs 2020の活用	医療放射線防護	84	40-47	2021
<u>赤羽 正章</u>	Japan DRLs 2020改定の経緯と今後の展望	Innervision	35(10)	2-3	2020
Tanaka T, <u>Matsubara K</u> , Kobayashi S	Evaluation of peak skin dose during percutaneous coronary intervention procedures: relationship with fluoroscopic pulse rate and target vessel	Radiol Phys Technol	14(1)	34-40	2021
Furukawa Y, <u>Matsubara K</u> , Miyati T	Inadequate object positioning and improvement of automatic exposure control system calculations based on an empirical algorithm	Phys Eng Sci Med	44(1)	37-44	2021

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Matsubara K, Yoshida S, Hirose A, Chusin T, Furukawa Y	Characterization of small dosimeters used for measurement of eye lens dose for medical staff during fluoroscopic examination	Diagnostics	11(2)	150	2021
Matsubara K, Kawashima H, Kobayashi M, Fukuda A	Performance evaluation of near-real time angular tube current modulation in X-ray computed tomography using real-time dosimeter: A phantom study	Health and Technol	10	1437-1443	2020
Matsubara K, Takei Y, Mori H, Kobayashi I, Noto K, Igarashi T, Suzuki S, Akahane K	A multicenter study of radiation doses to the eye lenses of medical staff performing non-vascular imaging and interventional radiology procedures in Japan	Phys Med	74	83-91	2020
Kuriyama K, Matsubara K, Hisahara S, Nagata Y, Nosaka R, Goto R, Yanano N, Shimizu K, Shohji T	Effect of Table Height Displacement and Patient Center Deviation on Size-Specific Dose Estimates Calculated from CT Localizer Radiographs	Phys Eng Sci Med	43(2)	665-672	2020
酒向 健二, 松原 孝祐, 松本 真	胸部CT撮影におけるWide volume scan使用時の被ばく特性評価	日放技学誌	77(3)	284-292	2021
鈴木 千晶, 畠山 雅行, 野沢 滋幸, 石原 和浩, 影山 善彦, 松原 孝祐	低線量肺がんCT検診における位置決め画像撮影の線量評価	CT検診学会誌	27	17-23	2020
福永 正明, 松原 孝祐, 竹井 泰孝, 光井 英樹, 亀井山 弘晃, 田中 孝尚, 市川 翔太	移動型整形外科用イメージング装置を用いた腰椎後方固定術時における室内散乱線量分布の測定	日放技学誌	76(6)	572-578	2020
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研究成果の刊行に関する一覧表

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