

Author Full Names	Article Title	Times Cited	Publication Year	Volume	Issue	Start Page	End Page	DOI
Fujita, Hiroshi	AI-based computer-aided diagnosis (AI-CAD): the latest review to read first	62	2020	13	1	6	19	10.1007/s12194-019-00552-4
Sakai, Ayaka; Onishi, Yuya; Matsui, Misaki; Adachi, Hidetoshi; Teramoto, Atsushi; Saito, Kuniaki; Fujita, Hiroshi	A method for the automated classification of benign and malignant masses on digital breast tomosynthesis images using machine learning and radiomic features	15	2020	13	1	27	36	10.1007/s12194-019-00543-5
Inaba, Yohei; Chida, Koichi; Murabayashi, Yuuki; Endo, Mime; Otomo, Kazuki; Zuguchi, Masayuki	An initial investigation of a wireless patient radiation dosimeter for use in interventional radiology	13	2020	13	3	321	326	10.1007/s12194-020-00575-2
Onishi, Yuya; Teramoto, Atsushi; Tsujimoto, Masakazu; Tsukamoto, Tetsuya; Saito, Kuniaki; Toyama, Hiroshi; Imaizumi, Kazuyoshi; Fujita, Hiroshi	Investigation of pulmonary nodule classification using multi-scale residual network enhanced with 3DGAN-synthesized volumes	9	2020	13	2	160	169	10.1007/s12194-020-00564-5
Monzen, Hajime; Tamura, Mikoto; Ueda, Yoshihiro; Fukunaga, Jun-ichi; Kamima, Tatsuya; Muraki, Yuta; Kubo, Kazuki; Nakamatsu, Kiyoshi	Dosimetric evaluation with knowledge-based planning created at different periods in volumetric-modulated arc therapy for prostate cancer: a multi-institution study	7	2020	13	4	327	335	10.1007/s12194-020-00585-0
Ieko, Yoshiro; Kadoya, Noriyuki; Kanai, Takayuki; Nakajima, Yujiro; Arai, Kazuhiro; Kato, Takahiro; Ito, Kengo; Miyasaka, Yuya; Takeda, Ken; Iwai, Takeo; Nemoto, Kenji; Jingu, Keiichi	The impact of 4DCT-ventilation imaging-guided proton therapy on stereotactic body radiotherapy for lung cancer	7	2020	13	3	230	237	10.1007/s12194-020-00572-5
Wada, Yuya; Morishita, Junji; Yoon, Yongsu; Okumura, Miki; Ikeda, Noriaki	A simple method for the automatic classification of body parts and detection of implanted metal using postmortem computed tomography scout view	5	2020	13	4	378	384	10.1007/s12194-020-00581-4
Rana, Suresh; Rosenfeld, Anatoly B.	Parametrization of in-air spot size as a function of energy and air gap for the ProteusPLUS pencil beam scanning proton therapy system	4	2020	13	4	392	397	10.1007/s12194-020-00589-w
Tien, Christopher J.; Chen, Zhe (Jay)	A prototype open-ended multichannel intracavitary-interstitial hybrid applicator for gynecological high-dose-rate brachytherapy	3	2020	13	2	187	194	10.1007/s12194-020-00567-2
Goto, Masami; Hagiwara, Akifumi; Kato, Ayumi; Fujita, Shohei; Hori, Masaaki; Kamagata, Koji; Aoki, Shigeki; Abe, Osamu; Sakamoto, Hajime; Sakano, Yasuaki; Kyogoku, Shinsuke; Daida, Hiroyuki	Effect of changing the analyzed image contrast on the accuracy of intracranial volume extraction using Brain Extraction Tool 2	3	2020	13	1	76	82	10.1007/s12194-019-00551-5
Fukami, Mitsuha; Tamura, Kiyoshi; Nakamura, Yuya; Nakatsukasa, Syoichi; Sasaki, Masayuki	Evaluating the effectiveness of a single CT method for attenuation correction in stress-rest myocardial perfusion imaging with thallium-201 chloride SPECT	3	2020	13	1	20	26	10.1007/s12194-019-00540-8
Onodera, Shu; Lee, Yongbum; Tanaka, Yoshitaka	Evaluation of dose reduction potential in scatter-corrected bedside chest radiography using U-net	3	2020	13	4	336	347	10.1007/s12194-020-00586-z
Matsuo, Takao; Matsuyama, Miwa; Nakatani, Ken; Mori, Naoe	Evaluation of swallowing movement using ultrasonography	3	2020	13	1	62	68	10.1007/s12194-019-00547-1
Hamada, Keisuke; Fujibuchi, Toshioh; Yoshida, Naoki; Ohura, Hiroki	Examination of a dose evaluation method for floor-mounted kV X-ray image-guided radiation therapy systems	3	2020	13	3	288	295	10.1007/s12194-020-00570-7
Matsubara, Keisuke; Ibaraki, Masanobu; Shidahara, Miho; Kinoshita, Toshibaumi	Iterative framework for image registration and partial volume correction in brain positron emission tomography	3	2020	13	4	348	357	10.1007/s12194-020-00591-2
Kanno, Iwao; Takahashi, Miwako; Yamaya, Taiga	Michel M. Ter-Pogossian (1925-1996): a pioneer of positron emission tomography weighted in fast imaging and Oxygen-15 application	3	2020	13	1	1	5	10.1007/s12194-019-00549-z
Shibukawa, Shuhei; Niwa, Tetsu; Ohno, Naoki; Miyati, Tosiaki; Muro, Isao; Ogino, Tetsuo; Matsumae, Mitsunori; Imai, Yutaka	Optimal strategy for measuring intraventricular temperature using acceleration motion compensation diffusion-weighted imaging	3	2020	13	2	136	143	10.1007/s12194-020-00560-9
Al Khalifah, Khaled; Davidson, Rob; Zhou, Abel	Using aluminum for scatter control in mammography: preliminary work using measurements of CNR and FOM	3	2020	13	1	37	44	10.1007/s12194-019-00545-3
Nakamura, Tokiko; Shoichi, Suzuki; Takei, Yasutaka; Kobayashi, Masanao; Cruz, Vergil; Kobayashi, Ikuro; Asegawa, Satoshi; Kato, Kyoichi	A more accurate and safer method for the measurement of scattered radiation in X-ray examination rooms	2	2020	13	1	69	75	10.1007/s12194-019-00550-6
Motegi, Kazuki; Matsutomo, Norikazu; Yamamoto, Tomoaki; Koizumi, Mitsuru	Evaluation of bone metastasis burden as an imaging biomarker by quantitative single-photon emission computed tomography/computed tomography for assessing prostate cancer with bone metastasis: a phantom and clinical study	2	2020	13	3	219	229	10.1007/s12194-020-00571-6
Chiba, Ayaka; Harada, Kohei; Ohashi, Yoshiya; Numasawa, Kanako; Imai, Tatsuya; Hayasaka, Shun	Evaluation of computed tomography arterial portography scan timing using different bolus tracking methods	2	2020	13	1	92	97	10.1007/s12194-020-00556-5
Fawzy, Radwa; Abdel-Malek, Raafat; Metwaly, Mohamed; Abdelaziz, Omar; Seleem, Ahmed	Evaluation of target volume margins for radiotherapy of prostate implanted with fiducial markers	2	2020	13	2	152	159	10.1007/s12194-020-00563-6
Karimi, Milad; Ghazikhanlou-sani, Karim; Mehdizadeh, Ali Reza; Mostaghimi, Hesameddin	Lead-free transparent shields for diagnostic X-rays: Monte Carlo simulation and measurements	2	2020	13	3	276	287	10.1007/s12194-020-00580-5
Sasaki, Motoharu; Ikushima, Hitoshi; Sugimoto, Wataru; Kitagawa, Kenta	Long-term stability of a three-dimensional dose verification system	2	2020	13	1	83	91	10.1007/s12194-020-00554-7

Murase, Kenya	New image-restoration method using a simultaneous algebraic reconstruction technique: comparison with the Richardson-Lucy algorithm	2	2020	13	4	365	377	10.1007/s12194-020-00595-y
Imae, Toshikazu; Haga, Akihiro; Watanabe, Yuichi; Takenaka, Shigeharu; Shiraki, Takashi; Nawa, Kanabu; Ogita, Mami; Takahashi, Wataru; Yamashita, Hideomi; Nakagawa, Keiichi; Abe, Osamu	Retrospective dose reconstruction of prostate stereotactic body radiotherapy using cone-beam CT and a log file during VMAT delivery with flattening-filter-free mode	2	2020	13	3	238	248	10.1007/s12194-020-00574-3
Haseai, Shu; Arimura, Hidetaka; Asai, Kaori; Yoshitake, Tadamasu; Shioyama, Yoshiyuki	Similar-cases-based planning approaches with beam angle optimizations using water equivalent path length for lung stereotactic body radiation therapy	2	2020	13	2	119	127	10.1007/s12194-020-00558-3
Shinbo, Hirohiko; Tomioka, Satoshi; Ino, Toshihiko; Koyama, Keiko	Systolic modified Look-Locker inversion recovery myocardial T1 mapping improves the accuracy of T1 and extracellular volume fraction measurements of patients with high heart rate or atrial fibrillation	2	2020	13	4	405	413	10.1007/s12194-020-00594-z
Kato, Takahiro; Yamazaki, Yuhei; Sagara, Tatsuhiko	A new concept for verifying the isocentric alignment of the proton-rotational gantry for radiation control	1	2020	13	1	45	51	10.1007/s12194-019-00544-4
Kuwabara, Natsumi; Takuwa, Haruko; Takeuchi, Megumi; Kawashima, Hiroko	Can digital breast tomosynthesis improve identification of malignant calcifications?	1	2020	13	3	249	255	10.1007/s12194-020-00576-1
Junios, J.; Irhas, I.; Novitrian, N.; Soediatmoko, E.; Haryanto, F.; Su'ud, Z.; Fielding, A. L.	Characterization of Gamma Knife Perfexion (TM) source based on Monte Carlo simulation	1	2020	13	4	398	404	10.1007/s12194-020-00590-3
Murakami, Rie; Katsuragawa, Shigehiko	Development of a computer simulation technique for low-dose chest radiographs: a phantom study	1	2020	13	1	111	118	10.1007/s12194-020-00555-6
Takatsu, Yasuo; Sagawa, Hajime; Nakamura, Masafumi; Suzuki, Yuichi; Miyati, Tosiaki	Diffusion-weighted breast magnetic resonance imaging with distortion correction using non-rigid image registration: a clinical study	1	2020	13	2	210	218	10.1007/s12194-020-00568-1
Kato, Takahiro; Yamazaki, Yuhei; Kato, Ryohei; Komori, Shinya; Endo, Hiromitsu; Oyama, Sho; Sagara, Tatsuhiko	End-to-end test to evaluate the comprehensive geometric accuracy of a proton rotating gantry using a cone-shaped scintillator screen detector	1	2020	13	2	144	151	10.1007/s12194-020-00562-7
Afzalifar, A.; Mowlavi, A. A.; Mohammadi, M.	Performance of a linear accelerator couch positioning quality control task using an electronic portal imaging device	1	2020	13	2	195	200	10.1007/s12194-020-00557-4
Yoshida, Rei; Machida, Yoshio	Single-plate method for practical modulation transfer function measurement in magnetic resonance imaging	1	2020	13	4	358	364	10.1007/s12194-020-00593-0
Takahashi, Yasuyuki; Hosokawa, Shota; Tsujiguchi, Takakiyo; Monzen, Satoru; Kanzaki, Takao; Shirakawa, Koji; Nemoto, Ayaka; Ishimura, Hayato; Oriuchi, Noboru	Time-related study on external exposure dose of 2-deoxy-2-[F-18]fluoro-d-glucose PET for workers' safety	1	2020	13	1	98	103	10.1007/s12194-019-00548-0
Hasegawa, Tomoyuki; Okamoto, Mio; Yamada, Takahiro; Ishizu, Hidetake; Mikamoto, Takahiro; Sato, Yasushi; Miyatake, Hiroki; Kikuchi, Kei; Inoue, Yusuke	Traceable point-like Ge-68/Ga-68 source with a spherically symmetric positron absorber for PET scanners	1	2020	13	2	170	176	10.1007/s12194-020-00565-4

Data source: [引用文献検索, Web of Science](#), as of 12 December 2022