日本放射線影響学会・学会通信担当より

「学会誌Journal of Radiation Research 59巻4号出版」につきお知らせします。

（発信者：オックスフォード大学出版局）

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[](http://jrr.oxfordjournals.org/content/56/suppl_1.toc#content-block)

学会誌Journal of Radiation Researchの最新号が出版されました。完全オープンアクセスジャーナルですので、全ての論文を無料でお読みいただけます。以下に目次を掲載致しますので、ぜひご一読ください。

https://academic.oup.com/jrr/issue/59/4

■JRRにぜひご投稿ください！■

JRRは、放射線影響学会会員様からのご投稿を随時受け付けています。

* 迅速な査読体制：投稿から初回判定まで35日、最終判定までは70日
* 寺島論文賞：年に一度、最も優れた基礎系論文を表彰
* Highly Cited Award: 年間に最も引用されたoncology系論文の表彰
* 学会員割引：学会員様は通常投稿料（1000ポンド）の半額以下の350ポンドで投稿可

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Biology

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Dark tea extract mitigates hematopoietic radiation injury with antioxidative activity

Wei Long; Guanghui Zhang; Yinping Dong; Deguan Li

<https://doi.org/10.1093/jrr/rrx072>

Effects of various radiation doses on induced T-helper cell differentiation and related cytokine secretion

Hui Gao; Zhuo Dong; Xinkou Gong; Juancong Dong; Yuyu Zhang ...

<https://doi.org/10.1093/jrr/rry011>

Neuroprotective effects of Quercetin on radiation-induced brain injury in rats

Aydemir Kale; Özcan Pişkin; Yılmaz Baş; Bengü Gülhan Aydın; Murat Can ...

<https://doi.org/10.1093/jrr/rry032>

Comparative gene expression analysis after exposure to 123I-iododeoxyuridine, γ- and α-radiation—potential biomarkers for the discrimination of radiation qualities

Marcus Unverricht-Yeboah; Ulrich Giesen; Ralf Kriehuber

<https://doi.org/10.1093/jrr/rry038>

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Physics

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Consideration of the usefulness of a size-specific dose estimate in pediatric CT examination

Takakiyo Tsujiguchi; Hideki Obara; Shuichi Ono; Yoko Saito; Ikuo Kashiwakura

<https://doi.org/10.1093/jrr/rry022>

Evaluation of a new neutron energy spectrum unfolding code based on an Adaptive Neuro-Fuzzy Inference System (ANFIS)

Seyed Abolfazl Hosseini; Iman Esmaili Paeen Afrakoti

<https://doi.org/10.1093/jrr/rrx087>

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Short Communication

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Radiobiological effects of flattening filter–free photon beams on A549 non-small-cell lung cancer cells

Hisashi Nakano; Kazumasa Minami; Masashi Yagi; Hiromasa Imaizumi; Yuki Otani ...

<https://doi.org/10.1093/jrr/rry041>

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Oncology

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Validation of previously reported predictors for radiation-induced hypothyroidism in nasopharyngeal cancer patients treated with intensity-modulated radiation therapy, a post hoc analysis from a Phase III randomized trial

Chawalit Lertbutsayanukul; Sarin Kitpanit; Anussara Prayongrat; Danita Kannarunimit; Buntipa Netsawang ...

<https://doi.org/10.1093/jrr/rry036>

Late radiological changes after passive scattering proton beam therapy for Stage I lung cancer

Naoki Nakamura; Hidehiro Hojo; Kazuya Inoue; Kenji Hotta; Sadamoto Zenda ...

<https://doi.org/10.1093/jrr/rry028>

Quantification of variation in dose–volume parameters for the heart, pericardium and left ventricular myocardium during thoracic tumor radiotherapy

Ying Tong; Yong Yin; Pinjing Cheng; Jie Lu; Tonghai Liu ...

<https://doi.org/10.1093/jrr/rry026>

National survey of intracavitary brachytherapy for intact uterine cervical cancer in Japan

Takafumi Toita; Tatsuya Ohno; Hitoshi Ikushima; Tetsuo Nishimura; Takashi Uno ...

<https://doi.org/10.1093/jrr/rry035>

National survey of myeloablative total body irradiation prior to hematopoietic stem cell transplantation in Japan: survey of the Japanese Radiation Oncology Study Group (JROSG)

Naoya Ishibashi; Toshinori Soejima; Hiroki Kawaguchi; Takeshi Akiba; Masatoshi Hasegawa ...

<https://doi.org/10.1093/jrr/rry017>

An in vitro verification of strength estimation for moving an 125I source during implantation in brachytherapy

Kenichi Tanaka; Tsuyoshi Kajimoto; Takahiro Hayashi; Osamu Asanuma; Masakazu Hori ...

<https://doi.org/10.1093/jrr/rry021>

A multi-institutional study of independent calculation verification in inhomogeneous media using a simple and effective method of heterogeneity correction integrated with the Clarkson method

Shunta Jinno; Hidenobu Tachibana; Shunsuke Moriya; Norifumi Mizuno; Ryo Takahashi ...

<https://doi.org/10.1093/jrr/rry039>

Image quality improvement in cone-beam CT using the super-resolution technique

Asuka Oyama; Shinobu Kumagai; Norikazu Arai; Takeshi Takata; Yusuke Saikawa ...

<https://doi.org/10.1093/jrr/rry019>

Metal artifact reduction by filter-based dual-energy cone-beam computed tomography on a bench-top micro-CBCT system: concept and demonstration

Hiraku Iramina; Takumi Hamaguchi; Mitsuhiro Nakamura; Takashi Mizowaki; Ikuo Kanno

<https://doi.org/10.1093/jrr/rry034>

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Letters to the Editor

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Addressing the challenge of proper delineation of lymph node stations in modern radiotherapy for lung cancer

Lucyna Kępka; Joanna Socha

<https://doi.org/10.1093/jrr/rrx077>

Reply to ‘Addressing the challenge of proper delineation of lymph node stations in modern radiotherapy for lung cancer’

Yukihisa Tamaki; Tomoko Itazawa; Takafumi Komiyama; Yasumasa Nishimura; Yuko Nakayama ...

<https://doi.org/10.1093/jrr/rry040>

Seven years post-Fukushima: overcoming the resident–specialist gap

Nana Sato; Makiko Orita; Yasuyuki Taira; Noboru Takamura

<https://doi.org/10.1093/jrr/rry037>