日本放射線影響学会・学会通信担当より

「学会誌Journal of Radiation Research 60巻6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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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/60/6>

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* 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：学会員様は通常掲載料（1500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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Reprogramming and differentiation-dependent transcriptional alteration of DNA damage response and apoptosis genes in human induced pluripotent stem cells

Mikio Shimada, Kaima Tsukada, Nozomi Kagawa, Yoshihisa Matsumoto

<https://doi.org/10.1093/jrr/rrz057>

Investigation of the cumulative number of chromosome aberrations induced by three consecutive CT examinations in eight patients

Yu Abe, Hideyoshi Noji, Tomisato Miura, Misaki Sugai, Yumiko Kurosu, Risa Ujiie, Naohiro Tsuyama, Aki Yanagi, Yukari Yanai, Takashi Ohba, Tetsuo Ishikawa, Kenji Kamiya, Mitsuaki A Yoshida, Akia Sakai

<https://doi.org/10.1093/jrr/rrz068>

Protective effects of zingerone derivate on ionizing radiation-induced intestinal injury

Jing Wu, Yuqing Duan, Jie Cui, Yinping Dong, Hongyan Li, Meifang Wang, Saijun Fan, Deguan Li, Yiliang Li

<https://doi.org/10.1093/jrr/rrz065>

Arabinoxylan rice bran (MGN-3/Biobran) enhances radiotherapy in animals bearing Ehrlich ascites carcinoma

Nariman K Badr El-Din, Said K Areida, Kvan O Ahmed, Mamdooh Ghoneum

<https://doi.org/10.1093/jrr/rrz055>

Radon (222Rn) concentrations in the touristic Jumandy cave in the Amazon region of Ecuador

Felipe Alejandro García Paz, Yasser Alejandro Gonzalez Romero, Rasa Zalakeviciute

<https://doi.org/10.1093/jrr/rrz064>

Inflammatory profile dysregulation in nuclear workers occupationally exposed to low-dose gamma radiation

Nevena Aneva, Elena Zaharieva, Olya Katsarska, Gergana Savova, Katia Stankova, Jana Djounova, Rayna Boteva

<https://doi.org/10.1093/jrr/rrz059>

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Short communication

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NLRC4 Mutation in flagellin-derived peptide CBLB502 ligand-binding domain reduces the inflammatory response but not radioprotective activity

Lili Lai, Ganggang Yang, Xuelian Yao, Lei Wang, Yiqun Zhan, Miao Yu, Ronghua Yin, Changyan Li, Xiaoming Yang, Changhui Ge

<https://doi.org/10.1093/jrr/rrz062>

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Oncology

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Japanese Structure Survey of Radiation Oncology in 2011

Hodaka Numasaki, Teruki Teshima, Tetsuo Nishimura, Keizo Akuta, Yutaka Ando, Hiroshi Ikeda, Norihiko Kamikonya, Masahiko Koizumi, Tomonari Sasaki, Kenji Sekiguchi, Masao Tago, Atsuro Terahara, Katsumasa Nakamura, Masamichi Nishio, Masao Murakami, Yoshimasa Mori, Kazuhiko Ogawa

<https://doi.org/10.1093/jrr/rrz058>

Prognostic value of the expression of epithelial cell adhesion molecules in head and neck squamous cell carcinoma treated by definitive radiotherapy

Naoya Murakami, Taisuke Mori, Satoshi Nakamura, Seiichi Yoshimoto, Yoshitaka Honma, Takao Ueno, Kenya Kobayashi, Tairo Kashihara, Kana Takahashi, Koji Inaba, Kae Okuma, Hiroshi Igaki, Yuko Nakayama, Jun Itami

<https://doi.org/10.1093/jrr/rrz053>

Unusual olfactory perception during radiation sessions for primary brain tumors: a retrospective study

Mika Obinata, Kana Yamada, Keisuke Sasai

<https://doi.org/10.1093/jrr/rrz060>

Optimization of treatment strategy by using a machine learning model to predict survival time of patients with malignant glioma after radiotherapy

Takuya Mizutani, Taiki Magome, Hiroshi Igaki, Akihiro Haga, Kanabu Nawa, Noriyasu Sekiya, Keiichi Nakagawa

<https://doi.org/10.1093/jrr/rrz066>

Alterations in pectoralis muscle cell characteristics after radiation of the human breast *in situ*

Christoph Wallner, Marius Drysch, Stephan A Hahn, Mustafa Becerikli, Fleming Puscz, Johannes Maximilian Wagner, Maxi Sacher, Alexander Sogorski, Mehran Dadras, Marcus Lehnhardt, Björn Behr

<https://doi.org/10.1093/jrr/rrz067>

Stereotactic radiotherapy using the CyberKnife is effective for local control of bone metastases from differentiated thyroid cancer

Takayuki Ishigaki, Takashi Uruno, Kiminori Sugino, Chie Masaki, Junko Akaishi, Kiyomi Y Hames, Akifumi Suzuki, Chisato Tomoda, Kenichi Matsuzu, Keiko Ohkuwa, Wataru Kitagawa, Mitsuji Nagahama, Shinichiro Miyazaki, Koichi Ito

<https://doi.org/10.1093/jrr/rrz056>

Assessment of abdominal organ motion using cine magnetic resonance imaging in different gastric motilities: a comparison between fasting and postprandial states

Hotaka Nonaka, Hiroshi Onishi, Makoto Watanabe, Vu Hong Nam

<https://doi.org/10.1093/jrr/rrz054>

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Technical report

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Prospective observational study on the safety of an original fiducial marker insertion for radiotherapy in gynecological cancer by a simple method

Shuhei Sekii, Kayoko Tsujino, Hikaru Kubota, Satoshi Yamaguchi, Kengo Kosaka, Shuichiro Miyazaki, Nor Shazrina Sulaiman, Yoko Matsumoto, Yosuke Ota, Toshinori Soejima, Ryohei Sasaki

<https://doi.org/10.1093/jrr/rrz070>

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<https://doi.org/10.1093/jrr/rrz090>