**CRF Publications, Financial Year 2021-2022**

1. Imseeh G, Giles SL, Taylor A, Brown MRD, Rivens I, Gordon-Williams R et al. Feasibility of palliating recurrent gynecological tumors with MRGHIFU: comparison of symptom, quality-of-life, and imaging response in intra and extra-pelvic disease. *Int J Hyperther* 2021; 38(1): 623-632
2. Doran SJ, Kumar S, Orton M, d’Arcy J, Kwaks F, O’Flynn E et al. "Real-world" radiomics from multi-vendor MRI: an original retrospective study on the prediction of nodal status and disease survival in breast cancer, as an exemplar to promote discussion of the wider issues. Cancer Imaging 2021; 21(1) 37
3. Barwick T, Orton M, Koh DM, Kaiser M, Rockall A, Tunariu N, Blackledge M, and Messiou C. Repeatability and reproducibility of apparent diffusion coefficient and fat fraction measurement of focal myeloma lesions on whole body magnetic resonance imaging. BJR 2021; 94: 112020200682.
4. Wilkinson MJ, Snow H, Downey K, Thomas K, Riddell A, Francis N et al. CT diagnosis of ilioinguinal lymph node metastases in melanoma using radiological characteristics beyond size and asymmetry. BJS Open 2021; 5 (1) zraa005
5. Donners R, Yiin RSZ, Koh D-M, De Paepe K, Chau I, Sue Chua et al. Whole-body diffusion-weighted MRI in lymphoma-comparison of global apparent diffusion coefficient histogram parameters for differentiation of diseased nodes of lymphoma patients from normal lymph nodes of healthy individuals.Quant Imaging Med Surg 2021;11(8) 3549-3561.
6. Ngo Fung DL, Rivens I, Giles SL, Harris E, deSouza NM, ter Haar G. Quantitative prediction of the extent of pelvic tumour ablation by magnetic resonance-guided high intensity focused ultrasound. Int J Hyperther 2021: 38(1) 1111-1125.
7. Kalantar R, Messiou C, Winfield JM, Renn A, Latifoltojar A, Downey K et al. CT-Based Pelvic T-1-Weighted MR Image Synthesis Using UNet, UNet plus plus and Cycle-Consistent Generative Adversarial Network (Cycle-GAN). Front. Oncol. 2021; 11: 665807
8. Craig A J, Murray I, Denis-Bacelar AM, Rojas B, Gear JI, Hossen L et al. Comparison of 90Y SIRT predicted and delivered absorbed doses using a PSF conversion method. Physica Medica 2021; 89: 1-10
9. Messiou C, Porta N, Sharma B, Levine D, Koh D-M, Boyd K et al. Prospective Evaluation of Whole-Body MRI versus FDG PET/CT for Lesion Detection in Participants with Myeloma. Radiology: Imaging Cancer 2021; 3(5):e210048
10. Kousi E, Messiou C, Miah A, Orton M, Haas R, Thway K et al. Descriptive analysis of MRI functional changes occurring during reduced dose radiotherapy for myxoid liposarcomas. Brit J Radiology 2021; 94 (1126) Article Number: 20210310
11. Hijab A, Curcean S, Tunariu N, Tovey H, Alonzi R, Staffurth J et al. Fracture Risk in Men with Metastatic Prostate Cancer Treated With Radium-223. Clin Genitourin Cancer 2021; 19(5): 299-305
12. Yap TA, Krebs MG, Postel-Vinay S, El-Khouiery A, Soria JC, Lopez J et al. Ceralasertib (AZD6738), an Oral ATR Kinase Inhibitor, in Combination with Carboplatin in Patients with Advanced Solid Tumors: A Phase I Study. Clin Cancer Res 2021; 27(19): 5213-5224
13. Kaiser M, Porta N, Sharma B, Levine D, Koh D-M, Boyd K et al. Prospective comparison of whole body MRI and FDG PET/CT for detection of multiple myeloma and correlation with markers of disease burden: Results of the iTIMM trial. J Clin Oncol 2021; 39 (15): 8012
14. Taprogge J, Carnegie-Peake L, Murray I, Gear JI, Flux GD. Adjustment of the iodine ICRP population pharmacokinetic model for the use in thyroid cancer patients after thyroidectomy. J Radiol Prot. 2021; 41(4): 1034-1044
15. Donners R, Yiin RSZ, Blackledge M, Koh D-M. Whole-body diffusion-weighted MRI of normal lymph nodes: prospective apparent diffusion coefficient histogram and nodal distribution analysis in a healthy cohort. Cancer Imaging 2021; 21 (1): 64
16. Rockall AG, Barwick TD, Wilson W, Singh N, Bharwani N, Sohaib A et al. Diagnostic Accuracy of FEC-PET/CT, FDG-PET/CT, and Diffusion-Weighted MRI in Detection of Nodal Metastases in Surgically Treated Endometrial and Cervical Carcinoma. Clin Cancer Res 2021; 27 (23): 6457-6466
17. Rata M, Khan K, Collins DJ, Koh D-M, Tunariu N, Bali MA et al. DCE-MRI is more sensitive than IVIM-DWI for assessing anti-angiogenic treatment-induced changes in colorectal liver metastases. Cancer Imaging 2021; 21 (1) Article number 67
18. Gustafsson J, Taprogge J. Theoretical aspects on the use of single-time-point dosimetry for radionuclide therapy. Phys. Med. Biol. 2022; 67 (2): 025003