

CRF Publications, Financial Year 2019-2020

1. Barwick T, Bretszajn L, Wallitt K et al. Imaging in myeloma with focus on advanced imaging techniques. BRITISH JOURNAL OF RADIOLOGY 2019: 92 (1096) Article Number: 20180768
2. Pathmanathan AU, Mcnair HA, Schmidt MA et al. Comparison of prostate delineation on multimodality imaging for MR-guided radiotherapy. BRITISH JOURNAL OF RADIOLOGY 2019: 92 (1096) Article Number: 20180948
3. Bashir U, Tree A, Mayer E et al. Impact of Ga-68-PSMA PET/CT on management in prostate cancer patients with very early biochemical recurrence after radical prostatectomy. EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING 2019: 46 (4) 901-907.
4. Winfield J, Miah AB, Strauss D, Thway K, Collins DJ, deSouza NM, Leach MO, Morgan VA, Giles SL, Moskovic E, Hayes A, Smith M, Zaidi SH, Henderson D and Messiou C. Utility of Multi-Parametric Quantitative Magnetic Resonance Imaging for Characterization and Radiotherapy Response Assessment in Soft-Tissue Sarcomas and Correlation With Histopathology. FRONTIERS IN ONCOLOGY 2019: 9 Article number 280
5. Messiou C, Hillengass J, Delorme S, et al. Guidelines for Acquisition, Interpretation, and Reporting of Whole-Body MRI in Myeloma: Myeloma Response Assessment and Diagnosis System (MY-RADS). RADIOLOGY 2019:291(1) 4-12
6. Ahmed N, Srisandarajah P, Burd C, et al. Detection of avascular necrosis on routine diffusion-weighted whole body MRI in patients with multiple myeloma. BRITISH JOURNAL OF RADIOLOGY 2019: 92(1097) Article Number: 20180822
7. Carceller F, Jerome NP, Fowkes LA, et al. Post-radiotherapy apparent diffusion coefficient (ADC) in children and young adults with high-grade gliomas and diffuse intrinsic pontine gliomas. PEDIATRIC HEMATOLOGY AND ONCOLOGY 2019
8. Freedman JN, Bainbridge HE, Nill S, et al. Synthetic 4D-CT of the thorax for treatment plan adaptation on MR-guided radiotherapy systems. PHYSICS IN MEDICINE AND BIOLOGY 2019:64(11) Article Number: 115005
9. Gurney-Champion OJ, Collins DJ, Wetscherek A, et al. Principal component analysis for fast and model-free denoising of multi b-value diffusion-weighted MR images. PHYSICS IN MEDICINE AND BIOLOGY 2019: 64(10) Article Number: 105015
10. Giles SL, Imseeh G, Rivens I, et al. MR guided high intensity focused ultrasound (MRgHIFU) for treating recurrent gynaecological tumours: a pilot feasibility study. BRITISH JOURNAL OF RADIOLOGY 2019: 92(1098) Article Number: 20181037
11. White IM, Scurr E, Wetscherek A, et al. Realizing the potential of magnetic resonance image guided radiotherapy in gynaecological and rectal cancer. BRITISH JOURNAL OF RADIOLOGY 2019: 92(1098) Article Number: 20180670
12. Miles A, Taylor SA, Evans REC, et al. Patient preferences for whole-body MRI or conventional staging pathways in lung and colorectal cancer: a discrete choice experiment. EUROPEAN RADIOLOGY 2019:29 (7) 3889-3900
13. Brown SR, Hall A, Buckley HL, et al. Investigating the potential clinical benefit of Selumetinib in resensitising advanced iodine refractory differentiated thyroid cancer to radioiodine therapy (SEL-I-METRY): protocol for a multicentre UK single arm phase II trial. BMC CANCER 2019: 19(582)

14. Perez-Lopez R, Tunariu N, Padhani AR, et al. Imaging Diagnosis and Follow-up of Advanced Prostate Cancer: Clinical Perspectives and State of the Art. *RADIOLOGY* 2019: 292(2) 273-286
15. Allum WH, Smyth EC, Blazeby JM, et al. Quality assurance of surgery in the randomized ST03 trial of perioperative chemotherapy in carcinoma of the stomach and gastro-oesophageal junction. *BRITISH JOURNAL OF SURGERY* 2019: 106(9) 1204-1215
16. Carlin D, Orton MR, Collins D, et al. Probing structure of normal and malignant prostate tissue before and after radiation therapy with luminal water fraction and diffusion-weighted MRI. *JOURNAL OF MAGNETIC RESONANCE IMAGING* 2019: 50(2) 619-627
17. Weller A, Dunlop A, Oxer A, et al. Spect perfusion imaging versus CT for predicting radiation injury to normal lung in lung cancer patients. *BRITISH JOURNAL OF RADIOLOGY* 2019: 92(1101) Article Number: 20190184
18. Ribeiro AS, Lee M, Oyen WJG. EANM commitment towards involvement and engagement of patients and the public: learning from the UK experience. *European Journal of Nuclear Medicine and Molecular Imaging* 2019: 46 2218–2219
19. Giles SL, Brown MRD, Rivens I, et al. Comparison of Imaging Changes and Pain Responses in Patients with Intra- or Extraosseous Bone Metastases Treated Palliatively with Magnetic Resonance- Guided High-Intensity-Focused Ultrasound. *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY* 2019: 30(9) 1351-1360
20. Winfield JM, Wakefield,JC, Dolling D, et al. Diffusion-weighted MRI in Advanced Epithelial Ovarian Cancer: Apparent Diffusion Coefficient as a Response Marker. *RADIOLOGY* 2019: 293(2) 374-383
21. Taprogge J, Murray I, Gear J, et al. Compartmental Model for Ra-223-Dichloride in Patients With Metastatic Bone Disease From Castration-Resistant Prostate Cancer. *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS* 2019: 105(4) 884-892
22. Taprogge J, Leek F, Flux GD. Physics aspects of setting up a multicenter clinical trial involving internal dosimetry of radioiodine treatment of differentiated thyroid cancer. *QUARTERLY JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING* 2019:63(3) 271-277
23. Jaly AA, Thway K, Touska P, et al. Imaging Soft-tissue Sarcomas of the Head and Neck: A Tertiary Soft-tissue Sarcoma Unit Experience. *ANTICANCER RES* 2019:39(11) 6223-6230
24. Blackledge MD, Winfield JM, Miah A, et al. Supervised Machine-Learning Enables Segmentation and Evaluation of Heterogeneous Post-treatment Changes in Multi-Parametric MRI of Soft-Tissue Sarcoma. *FRONTIERS IN ONCOLOGY* 2019: 9 Article Number 941
25. Alexander EJ, Murray JR, Morgan VA, et al. Validation of T2-and diffusion-weighted magnetic resonance imaging for mapping intra-prostatic tumour prior to focal boost dose-escalation using intensity-modulated radiotherapy (IMRT). *RADIOTHERAPY AND ONCOLOGY* 2019: 141 181-187
26. Chamberlain F, Engelmann B, Al-Muderis O, et al. Low-grade Fibromyxoid Sarcoma: Treatment Outcomes and Efficacy of Chemotherapy. *IN VIVO* 2020: 34(1) 239-245
27. Pace E, MacKinnon AD, deSouza NM. Variation of the apparent diffusion coefficient of skull bone marrow by age group, pubertal status, and gender in a pediatric population. *ACTA RADIOLOGICA* 2020: Article Number: 0284185119894217

28. Gregory RA, Murray I, Gear J, et al. Standardised quantitative radioiodine SPECT/CT Imaging for multicentre dosimetry trials in molecular radiotherapy. PHYSICS IN MEDICINE AND BIOLOGY 2019: 64(24) Article Number: 245013
29. Goodburn R, Kousi E, Macdonald A, et al. An automated approach for the optimised estimation of breast density with Dixon methods. BRITISH JOURNAL OF RADIOLOGY 2020: 93(1106) Article Number: 20190639
30. Wormald BW, Doran SJ, Ind TEJ, et al. Radiomic features of cervical cancer on T2-and diffusion-weighted MRI: Prognostic value in low-volume tumors suitable for trachelectomy. GYNECOLOGIC ONCOLOGY 2020:156(1) 107-114
31. Murray JR, Tree AC, Alexander EJ, et al. Standard and Hypofractionated Dose Escalation to Intraprostatic Tumor Nodules in Localized Prostate Cancer: Efficacy and Toxicity in the DELINEATE Trial. INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS 2020: 106(4) 715-724