

APPENDIX IX.

PUBLICATIONS

by members of the Medical Physics Unit : 2021 calendar year (x69)
(names of MPU staff members are underlined, students are indicated by †)
(list may be revised at a later date)

1. S. Vakilian, J. Thébaut, R. Ruo, S. Marcovitz, V. Panet-Raymond, G. Shenouda, K. Sultanem, L. Souhami, *Examination of a case-control study*, Adv. Radiat. Oncol. **6**(4), 100693 (2021). doi: 10.1016/j.adro.2021.100693. eCollection Jul-Aug. PMID: 34141955.
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4. E. Sepulveda†, H. Patrick†, C.R. Freeman, J. Kildea, *Implementation of a DVH registry to provide constraints and continuous quality monitoring for pediatric CSI treatment planning*, J. Appl. Clin. Med. Phys. **22**(1), 191-202 (2021). doi: 10.1002/acm2.13131. Epub 2020 Dec 14.
5. F. Mathew†, H. Wang, L. Montgomery†, J. Kildea, *Natural language processing and machine learning to assist radiation oncology incident learning*, J. Appl. Clin. Med. Phys. **22**(11), 172-84 (2021). doi: 10.1002/acm2.13437. Online ahead of print.
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7. C.J. Anor, M. Dadar, D.L. Collins, M.C. Tartaglia, *The longitudinal assessment of neuropsychiatric symptoms in mild cognitive impairment and Alzheimer's disease and their association with white matter hyperintensities in the National Alzheimer's Coordinating Center's uniform data set*, Biol. Psych. Cogn. Neurosci. Neuroimag. 2021 Jan, **6**(1), 70-78. doi: 10.1016/j.bpsc.2020.03.006. Epub 2020 Apr 2. PMID: 32389747; PMCID: PMC7529680.
8. V. Fortier†, I.R. Levesque, *Dissolved oxygen minimally affects magnetic susceptibility in biologically relevant conditions*, BioRxiv (Bio-Archive) (2021). <https://doi.org/10.1101/2021.03.13.434266>.
9. H. Naseri†, K. Kafi, S. Skamene, M. Tolba, M.D. Faye, P. Ramia, J. Khriugian, J. Kildea, *Development of a generalizable natural language processing pipeline to extract physician-reported pain from clinical reports: Generated using publicly-available datasets and tested on institutional clinical reports for cancer patients with bone metastases*, J. Biomed. Inform. 2021 Aug;120:103864. doi: 10.1016/j.jbi.2021.103864. Epub 2021 Jul 12.
10. M. Serban, A.A.C. de Leeuw, K. Tanderup, I.M. Jürgenliemk-Schulz, *Vaginal dose-surface maps in cervical cancer brachytherapy: Methodology and preliminary results on correlation with morbidity*, Brachytherapy **20**(3), 565-575 (2021). doi: 10.1016/j.brachy.2021.02.004. Epub 2021 March 17.
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47. S.P. Kim†, D. Juneau, C. Cohalan, S.A. Enger, *Standardizing SPECT/CT dosimetry following radioembolization with yttrium-90 microspheres*, *EJNMMI Phys.* **8**(1), 71 (2021). doi: 10.1186/s40658-021-00413-3.
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