

APPENDIX X.

PUBLISHED ABSTRACTS

by members of the Medical Physics Unit : 2023 calendar year (x 16)

(names of MPU staff members are underlined, students are indicated by †, presenter indicated by *)

1. L.M. Wang[†], M. Serban, O. Arias, Y. Yui, J. Seuntjens, N. Ybarra, *Radio-selective effects of a naturally occurring muscle-derived dipeptide in an orthotopic lung cancer model*, International Congress on Academic Medicine (ICAM), Quebec City, Quebec, April 12-18, 2023.
2. N. Tomic, L.H. Liang, A. Esmaelbeigi[†], J. Kalinowski[†], S.A. Enger, T. Vuong, S. Devic, *Commissioning of new rectal applicator using electronic brachytherapy source*, Proc. Annual Meeting of the European Society for Radiotherapy & Oncology (ESTRO), **182**(1), pp. S1949-S1950; Vienna, Austria, May 12-16, 2023. PO-2166.
3. J. Campos-Pazmino[†], M-A. Fortin, V. Fortier, A. van der Kouwe, C. Ciobanu[†], E. McNabb, I.R. Levesque, *Fat-water separated relaxation mapping with multi-echo MP2RAGE*, Journée Scientifique du Réseau de Bio-Imagerie du Québec, Laval, Quebec, May 25, 2023.
4. M. Boudreau, A. Karakuzu, J. Cohen-Adad, M. Carr, M. Doneva, S.A. Dual, D.B. Ennis, A. Ensworth[†], A. Foias, V. Fortier, G. Gilvert, M. Grech-Sollars, L. Holloway, S. Hu, O. Jalnefjord, P. Koken, A. Kolokotronis[†], S. Kukran, N. Lee, I.R. Levesque, D. Ma, B. Maedler, N. Maforo, K. Moulin, J. Near, R. Rai, B. Statton, C. Stehning, C. Wang, K. Weiss, N. Zakariaei, S. Zhang, N. Stikov, *Phantom results of the ISMRM joint RRSg-qMRSC reproducibility challenge on T1 mapping*, Proc. Annual Meeting & Exhibition of the ISMRM, Toronto, Ontario, June 03-08, 2023. P. 396.
5. E. McNabb, V. Fortier, I.R. Levesque, *Accuracy of deep learning-based signal-to-noise measurements using air recon DL*, Proc. Annual Meeting & Exhibition of the ISMRM, Toronto, Ontario, June 03-08, 2023. P. 4773.
6. C. Ciobanu[†], J. Campos Pazmino[†], V. Fortier, I.R. Levesque, *Proton MRI-based oximetry*, Proc. Annual Meeting & Exhibition of the ISMRM, Toronto, Ontario, June 03-08, 2023. P. 5383.
7. A. Lalonde, K. Zerouali, G. Famulari, D. Guillet, J. Renaud, B. Muir, J-F. Carrier, *Design and optimization of field size-specific applicators for ultra-high dose rate electron beam radiotherapy*, Proc. Annual Meeting of the American Association of Physicists in Medicine (AAPM), Houston, Texas, July 23-27, 2023.
8. M.A. Hobson, Y. Hu, B.S. Caldwell, G.N. Cohen, C.K. Glide-Hurst, L. Huang, P. Jackson, S. Jang, U. Langner, H.J. Lee, I.R. Levesque, S. Narayanan, J.C. Park, J. Steffen, Q.R.J. Wu, Y. Zhou, *Report of TG334: A guidance document to using radiotherapy immobilization devices and accessories in an MR environment*, Proc. Annual Meeting of the American Association of Physicists in Medicine (AAPM), Houston, Texas, July 23-27, 2023. MO-930-BOP-F1-2.
9. Y. Zou[†], P. Bagherzadeh[†], K. Sultanem, F. Maleki, S.A. Enger, *Combination of prognostic clinical features and natural language processing based pathology reports text embeddings for prediction of three-year overall survival of patients with head and neck squamous cell carcinoma*, Proc. Annual Meeting of the American Association of Physicists in Medicine (AAPM), Houston, Texas, July 23-27, 2023. Abstract.
10. P. Bagherzadeh[†], Y. Zou[†], K. Sultanem, F. Maleki, S.A. Enger, *Using textual pathology reports for head and neck cancer treatment outcome prediction*, Proc. Annual Meeting of the American Association of Physicists in Medicine (AAPM), Houston, Texas, July 23-27, 2023. Abstract.
11. L.M. Wang[†], M. Serban, O. Arias, Y. Yui, J. Seuntjens, N. Ybarra, *Radio-selective effects of a naturally occurring muscle-derived dipeptide in an orthotopic lung cancer model*, International Congress on Radiation Research (ICRR), Montreal, Quebec, August 27-30, 2023.
12. M. Cyr[†], *A feasibility study: Insertion of inert Alpha DaRT seeds in orthotopic rectal mice models*, J. Brachytherapy **22**(5), S45-S46 (2023); Annual conference of the American Brachytherapy Society (ABS), Vancouver, British Columbia, June 22-24, 2023. Snap oral presentation.
13. B. Wan, I.J. Gerard, P. Pater, T. Connell, J. Alfieri, *The impact of a student-led radiation oncology interest group on medical learner interest and access to the specialty*, Cureus J. Med. Sci, September, 2023.
14. M. Cyr[†], V. Diaz Martinez[†], S. Devic, N. Tomic, D.F. Lewis, S.A. Enger, *Investigation of the dosimetry characteristics of the GAFCHROMIC® EBT3 film response to alpha particle irradiation*, J. Phys. Conf. Ser. **2630**, 012-037 (2023).

15. I.J. Gerard, V. Anglesio, M.L. Bernier, T. Hijal, S. Konermann†, N. Kopek, P. Pater, G. Stroian, B. Toscani Gomes Da Si, J. Alfieri, *One year follow-up and toxicity review in a series of 6 patients receiving stereotactic arrhythmia radioablation for ventricular tachycardia*, Int. J. Radiat. Oncol. Biol. Phys. **117**(2), e175-6176 (2023).
16. Y. Zou†, M. Lecavalier-Barsoum, M. Pelmus, S.A. Enger, *Impact of tumor nuclei size variation for post radiotherapy recurrence outcome of GYN patients*, Radiother. Oncol. **182**, S128-S129 (2023).