

## APPENDIX X.

### PUBLISHED ABSTRACTS

by members of the Medical Physics Unit: 2024 calendar year (x 17\*)

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

1. A. Esmaelbeigi†, J. Kalinowski†, N. Tomic, S. Devic, M. J. Rivard, T. Vuong, S.A. Enger, *Development of a new software package for dosimetry of the Xofig electronic brachytherapy source*, Radioth. Oncol. **194**, S339-S341; ESTRO, Glasgow, UK, May 03-07, 2024. #998.
2. N. Tomic, H. Bekerat, S. Devic, *Dose response and energy dependence of the new EBT4 GafChromic film model*, Radioth. Oncol. **194**, pp S3210-S3212; ESTRO, Glasgow, UK, May 03-07, 2024. #704.
3. R-C. Bidert†, C. Ciobanu†, J. Campos Pazmino, E. McNabb, V. Fortier, I.R. Levesque, *Modeling fat-water T1 relaxation in Fat DESPOT from complex signal*, Annual Meeting & Exhibition of the International Society for Magnetic Resonance in Medicine, Singapore City, Singapore, May 04-09, 2024. P. 4431.
4. J. Campos Pazmino†, M-A. Fortint†, V. Fortier, A. van der Kouwe, C. Ciobanu†, E. McNabb, R-C. Bidert†, I.R. Levesque, *Mapping fat-water separated R1, R2, and fat fraction with bipolar multi-echo MP2RAGE*, Annual Meeting & Exhibition of the International Society for Magnetic Resonance in Medicine, Singapore City, Singapore, May 04-09, 2024. P. 4557.
5. I.R. Levesque, E. McNabb, *The hierarchy of hazard controls in MR safety practice*, Annual Meeting & Exhibition of the International Society for Magnetic Resonance in Medicine, Singapore City, Singapore, May 04-09, 2024. P. 4884.
6. D. Henique, C. Bang, D. Markel, W. Le, E. Fillion, P.F. Nguyen-Tan, *Dose aware toxicity prediction in head & neck cancer patients using a deformable 3D CNN on daily CBCT acquisitions*, IEEE International Symposium on Biomedical Imaging (ISBI), Athens, Greece, May 27-30, 2024.
7. J. Campos Pazmino†, R-C. Bidert†, C. Ciobanu†, V. Fortier, E. McNabb, I.R. Levesque, *Toward Magnetic Resonance Oximetry: Development of Multi-Parametric Mapping in Fat-Water Mixtures*, 70<sup>th</sup> Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Regina, Saskatchewan, June 05-08, 2024.
8. J. Fauchert†, S. Ushio†, P. Pater, V. Fortier, E. McNabb, I.R. Levesque, *Using colour image segmentation with Magnetic Resonance Images for computer tomography synthesis*, 70<sup>th</sup> Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Regina, Saskatchewan, June 05-08, 2024.
9. I.R. Levesque, E. McNabb, V. Fortier, *The hierarchy of hazard controls in MR safety guidance*, 70<sup>th</sup> Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Regina, Saskatchewan, June 05-08, 2024.
10. S. Ushio†, P. Pater, V. Fortier, J. Fauchert†, I.R. Levesque, *Computed tomography synthesis in the presence of metal implants*, 70<sup>th</sup> Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Regina, Saskatchewan, June 05-08, 2024.
11. N. Tomic, H. Bekerat, S. Devic, *Comparison of energy dependence and dose response of the new EBT4 with EBT3 GafChromic film models*, International Conference on Radiation Applications (ICRA), June 10-12, 2024, Granada, Spain. P.15.
12. S. Ushio†, P. Pater, V. Fortier, J. Fauchert†, I.R. Levesque, *Synthetic computed tomography from Magnetic Resonance in the presence of metal implants*, 66<sup>th</sup> Annual Meeting & Exhibition of the American Association of Physicists in Medicine (AAPM), July 21-25, 2024, Los Angeles, California. TU300-GPD(B).
13. S. Konermann†, I.J. Gerard, M.L. Bernier, T. Hijal, L. El-Hamedi, P. Pater, *Software for electroanatomic map conversion to the dicom standard in cardiac radioablation treatment planning*, 66<sup>th</sup> Annual Meeting & Exhibition of the American Association of Physicists in Medicine (AAPM), July 21-25, 2024, Los Angeles, California.
14. N. Panov†, J. Campos Pazmino†, R-C. Bidert†, I.R. Levesque, *Assessment of R2\* and fat-specific R1 precision and accuracy for MR oximetry with fat DESPOT*, Canadian Undergraduate Medical Physics Conference (CUMPC), online, August 22-23, 2024.

15. B. Wan\*, M.D. Faye, R. Ruo, J. Wang, V. Matassa, A. Joseph, S. Skamene, M.D.C. Evans, C.R. Freeman, *A single-institution retrospective analysis of the TBI-ARC technique in patients who received Total Body Irradiation at the McGill University Health Centre*, Canadian Association of Radiation Oncology (CARO-ACRO), Vancouver, British Columbia, September 11-14, 2024.
16. C.S. Miller, M. Lecavalier-Barsoum, K. Ma, M. Santos Dutra, Y. Kaitoukov, B. Bahoric, N. Tomic, F. Dinelle, S.A. Enger, G. Batist, S. Yang, *Feasibility and safety of endoscopic ultrasound guided diffusing alpha emitter radiation therapy for advanced pancreatic cancer: Preliminary data*, *Gastrointes. Endosc.* **99**(6), p. AB904 (2024).
17. B. Wan\*, M.D. Faye, R. Ruo, J. Wang, V. Matassa, A. Joseph, S. Skamene, M.D.C. Evans, C.R. Freeman, *A single-institution retrospective analysis of the TBI-ARC technique in patients who received Total Body Irradiation*, Annual Meeting of the American Society for Radiation Oncology (ASTRO), Washington, DC & virtual, September 29-October 02, 2024.

(\* pending notification - additional abstracts / 2024 calendar year)