

## **APPENDIX IX.**

### **PUBLICATIONS**

**by members of the Medical Physics Unit : 2018 calendar year (x 70)**  
(names of MPU staff members are underlined, students are indicated by †)

1. E. Vandervoort, H.J. Patrocinio, T. Chow, E. Soisson, D. Beliveau Nadeau, *COMP report: CPQR technical quality control guidelines for CyberKnife® technology*, J. Appl. Clin. Med. Phys. **19**(2), 29-34 (2018). DOI: 10.1002/acm2.12263.
2. L.H. Liang, N. Tomic, T. Vuong, S. Aldelajant, H. Bekerat, F. DeBlois, J. Seuntjens, S. Devic, *Physics aspects of the Papillon technique: Five decades later*, Brachytherapy **17**, 234-243 (2018).
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5. J. Baker, A. Kyle, S. Reinsberg, F. Moosvi, H. Patrick†, J. Cran, K. Saatchi, U. Hafeli, A. Minchinton, *Heterogeneous distribution of trastuzumab in HER2-positive xenografts and metastases: Role of the tumor microenvironment*, J. Clin. Exp. Metas. **35**(7), 691-705 (2018). doi: 10.1007/s10585-018-9929-3.
6. J.R. Perez†, N. Ybarra, F. Chagnon, O. Lesur, J. Seuntjens, I. El Naqa, *Fluorescence endomicroscopy imaging of mesenchymal stem cells in the rat lung*, Curr. Protoc. Stem Cell Biol. **45**(1), e52 (2018). doi: 10.1002/cpsc.52.
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8. E. Alonso-Ortiz†, I.R. Levesque, G.B. Pike, *Multi-gradient-echo myelin water fraction imaging: Comparison to the multi-echo-spin-echo technique*, Magn. Res. Med. **79**(3), 1439-1446 (2018). DOI: 10.1002/mrm.26809.
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10. J. Renaud†, A. Sarfehnia, J. Bancherit, J. Seuntjens, *Arrow: A probe-format graphite calorimeter for absolute dosimetry of high-energy photon beams in the clinical environment*, Med. Phys. **45**(1), 414-428 (2018).
11. L. Mirzakhani†, H. Benmakhlof, F. Tessier, J. Seuntjens, *Determination of kQmsr, Qofmsr, fref factors for ion chambers used in the calibration of Leksell Gamma knife perfexion model using EGSnrc and PENELOPE Monte Carlo codes*, Med Phys. **45**(4), 1748-1757 (2018). doi: 10.1002/mp.12821.
12. D.R. Coopert†, J. Capobianco, J. Seuntjens, *Quantifying nanoparticle radioluminescence and 'rational design' of nanotherapeutics for X-PDT*, Med. Phys. **45**(6), e470 (2018).
13. P.G.F. Watson†, H. Bekerat, P. Papaconstadopoulos, S. Davis, J. Seuntjens, *An investigation into the INTRABEAM miniature X-ray source dosimetry using ionization chamber and radiochromic film measurements*, Med Phys **45**(9), 4274-4286 (2018). <https://doi.org/10.1002/mp.13059>.
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36. A. Diamant†, A. Chatterjee†, S. Faria, I. El Naqa, H. Bahig, E. Filion, C. Robinson, H. Al-Halabi, J. Seuntjens, *Can dose outside the PTV influence the risk of distant metastases in stage I lung cancer patients treated with stereotactic body radiotherapy (SBRT)?*, *Radiother. Oncol.* **128**(3), 513-519 (2018). pii: So167-8140(18)30253-6. doi.org/10.1016/j.radonc.2018.05.012.
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