

APPENDIX X.

PUBLISHED ABSTRACTS

by members of the Medical Physics Unit : 2018 calendar year (x 60)
(names of MPU staff members are underlined, students are indicated by †)

1. J. Renaud†, A. Sarhfenia, J. Seuntjens, *Simplifying the design of a probe-format calorimeter for absolute clinical dosimetry*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract OC-0077, proffered paper; J. Eur. Soc. Radiother. Oncol. **127**(1), S36; Med. Phys. **45**(1), 414-428.
2. G. Famulari†, S.A. Enger, *Intensity modulated brachytherapy system for dynamic modulation of shielded catheters*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract OC-0173, proffered paper; J. Eur. Soc. Radiother. Oncol. **127**(1), S90; Radiother. Oncol. **127**(1), S90.
3. P. Watson†, M. Popovic, J. Seuntjens, *Validation of the INTRABEAM system dosimetry with ionization chamber and EBT3 film measurements*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract OC-0406, proffered paper; J. Eur. Soc. Radiother. Oncol. **127**(1), S207-S208.
4. S. Hickling†, M. Hobson, I. El Naqa, *Demonstration of x-ray acoustic computed tomography for non-standard field dosimetry applications*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract OC-0607; J. Eur. Soc. Radiother. Oncol. **127**(1), S319-S320.
5. A. Diamant†, A. Chatterjee†, I. El Naqa, H. Bahig, E. Fillion, C. Robinson, S. Faria, H. Al-Halabi, K. Adil, J. Seuntjens, *Can dose proximal to the PTV influence the risk of distant metastases in CBRT lung cancer patients?*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract PO-0755; J. Eur. Soc. Radiother. Oncol. **127**(1), S389.
6. A. Toltz†, J. Seuntjens, H. Lu, H. Paganetti, *Proton therapy range verification accuracy considering range mixing for time resolved dosimetry*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract PO-0874; J. Eur. Soc. Radiother. Oncol. **127**(1), S460-S461.
7. S. Hickling†, M. Hobson, I. El Naqa, *Detecting radiation-induced acoustic waves with transperineal transducer for in vivo dosimetry*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract PO-0882, poster; J. Eur. Soc. Radiother. Oncol. **127**(1), S466.
8. C. Pembroke, J. Albers†, J. Kildea, W. Parker, S. Faria, *Dosimetric variables for chest wall pain following lung stereotactic body radiotherapy*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract EP-1407, electronic poster; J. Eur. Soc. Radiother. Oncol. **127**(1), S767.
9. S. Devic, S. Aldelaijan†, *Optimal response function for radiochromic film dosimetry system*, J. Eur. Soc. Radiother. Oncol. **127**(1), S917 (2018).
10. L. Mirzakhani†, R. Bassalow, C. Huntzinger, J. Seuntjens, *Dosimetry of radiotherapy machines with intermediate non-equilibrium field sizes*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract EP-1847, electronic poster; J. Eur. Soc. Radiother. Oncol. **127**(1), S996-S997.
11. N. Tomic, P. Papaconstadopoulos, J. Seuntjens, S. Devic, *Impact of beam quality changes on radiochromic film based CTDI measurements*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract EP-2076; J. Eur. Soc. Radiother. Oncol. **127**(1), S1139.
12. P. Papaconstadopoulos, K. O'Grady, S. Aldelaijan†, S. Devic, I.R. Levesque, J. Seuntjens, *The primary X-ray source: Reconstruction and characterization of six Varian TrueBeam sources*, European Society for Radiotherapy & Oncology (ESTRO) 37th Annual Meeting, Barcelona, Spain, April 20-24, 2018, abstract EP-2153, electronic poster; J. Eur. Soc. Radiother. Oncol. **127**(1), S1188-S1189.

13. G. Famulari^{†*}, J. Alfieri, S.A. Enger, *Can intermediate energy sources result in increased bone doses for pelvic and head and neck brachytherapy?*, American Brachytherapy Society (ABS) Annual Meeting, San Francisco, California, June 7-9, 2018, presentation, abstract; Brachytherapy **17**(4), S130.
14. G. Famulari^{†*}, M-A. Renaud, S.A. Enger, *RapidBrachy MCTPS: A Monte Carlo based treatment planning system for brachytherapy applications*, American Brachytherapy Society (ABS) Annual Meeting, San Francisco, California, June 7-9, 2018, presentation & abstract; Brachytherapy **17**(4), S35-S36.
15. H. Glickman[†], T. Vuong, S. Devic, K. Adil, G. Famulari[†], S.A. Enger, *Dosimetrical study for image guided HDR brachytherapy treatment of rectal cancer with ¹⁹²Ir and ¹⁶⁹Yb*, American Brachytherapy Society (ABS) Annual Meeting, San Francisco, California, June 7-9, 2018, presentation & abstract; Brachytherapy **17**(4), S93.
16. S. Aldelaijan^{†*}, P. Papaconstadopoulos, J. Schneider[†], H. Bekerat, J. Seuntjens, I. Buzurovic, S. Devic, *Decomposition of source dwell positions and dwell times: A novel method for accurate source tracking and quality assurance in HDR brachytherapy based on film dosimetry*, American Brachytherapy Society (ABS) Annual Meeting, San Francisco, California, June 7-9, 2018, presentation, abstract; Brachytherapy **17**(4), S128-S129. doi.org/10.1016/j.brachy.2018.04.239 .
17. S. Aldelaijan^{†*}, P. Papaconstadopoulos, J. Schneider[†], H. Bekerat, J. Seuntjens, I. Buzurovic, S. Devic, *Dosimetric impact of source position variation inside different catheter sizes in HDR brachytherapy*, American Brachytherapy Society (ABS) Annual Meeting, San Francisco, California, June 7-9, 2018, presentation & abstract; Brachytherapy **17**(4), S31-S32. <https://doi.org/10.1016/j.brachy.2018.04.239> .
18. V. Fortiert[†], I.R. Levesque, *Pseudo-CT generation from 3D multi-echo gradient-echo MRI*, International Society for Magnetic Resonance in Medicine (ISMRM) 26th Annual Meeting, Paris, France, June 16-21, 2018, poster.
19. D. Tho^{†*}, L. Beaulieu, *A novel electromagnetic-tracked scintillation dosimeter for accurate in vivo dosimetry in HDR brachytherapy*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract SU-H330-GePD-F7-1; Med. Phys. **45**(6), e172.
20. V. Turgeon^{†*}, G. Kertzscher, S.A. Enger, *Non-invasive positron detector to monitor the input function in PET*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract SU-H330-GePD-F8-02 (poster); Med. Phys. **45**(6), e174.
21. H. Linares Rosales^{†*}, L. Archambault, S. Beddar, L. Beaulieu, *A high-performance 3 points plastic scintillator dosimeter for HDR brachytherapy: Conception, development and characterization*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract SU-K-209-1; Med. Phys. **45**(6), e354.
22. Z. Ahmed^{†*}, I.R. Levesque, *Reference region modelling of dynamic contrast enhanced MRI using only signal enhancement*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract SU-L-205-4; Med. Phys. **45**(6), e385.
23. D. Cooper^{†*}, J. Capobianco, J. Seuntjens, *Quantifying nanoparticle radioluminescence and "rational design" of nanotherapeutics for X-PDT*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29- August 02, 2018, abstract TU-C930-GePD-F4-3; Med. Phys. **45**(6), e470.
24. J. Renaud^{†*}, A. Sarfehnia, J. Bancheri[†], J. Seuntjens, *Aerrow: A probe-format graphite calorimeter for absolute dosimetry of MR-guided radiotherapy modalities*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29- August 02, 2018, abstract TU-K-KDBRC-8; Med. Phys. **45**(6), e564.
25. S. Aldelaijan^{†*}, P. Papaconstadopoulos, H. Bekerat, J. Schneider[†], J. Seuntjens, I. Buzurovic, S. Devic, *A novel source tracking method for accurate and comprehensive HDR brachytherapy quality assurance using radiochromic film dosimetry*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29- August 02, 2018, abstract WE-AB-DBRA-2; Med. Phys. **45**(6), e572.
26. E. Cloutier^{†*}, L. Archambault, L. Beaulieu, *Volumetric scintillation signals separation using the multispectral formalism*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract WE-C1000-GePD-F3-5; Med. Phys. **45**(6), e602.
27. A. Chatterjee^{†*}, M. Serban, S. Faria, L. Souhami, F. Cury, J. Seuntjens, *Novel knowledge-based treatment planning model for prostate cancer patients treated with hypofractionation and simultaneous integrated boost*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract WE-FG-DBRA-8; Med. Phys. **45**(6), e628.

28. H. Nusrat*, J. Renaud†, N. Entezari, B. Keller, J. Seuntjens, A. Sarfehnia, *Absolute dosimetry using a novel portable water calorimeter design in MR-linac*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29- August 02, 2018, abstract WE-FG-KDBRA1-1; Med. Phys. **45**(6), e629.
29. Y. Zlateva†*, I. El Naqa, J. Seuntjens, *Cherenkov emission-based photon and electron beam dosimetry*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29- August 02, 2018, abstract WE-FG-KDBRA1-5; Med. Phys. **45**(6), e630.
30. S Cui†*, P Despres, L Beaulieu (2018) *A Knowledge-Based Multi-Criteria Optimization (kMCO) Algorithm for High Dose Rate (HDR) Brachytherapy*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract WE-C1000-GePD-F3-5; Med. Phys. **45**(6), e658, abstract WE-J-207-2.
31. J. Seuntjens, *Small field dosimetry: Prescribing, recording, and reporting of stereotactic treatments with small photon beams: ICRU Report 91*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract TH-AB-207-01; Med. Phys. **45**(6), e676.
32. M. Vallieres†*, A. Chatterjee†, F. Lucia, V. Bourbonne, P. Bonaffini, I. Masson, A. Mervoyer, C. Reinhold, D. Visvikis, U. Schick, J. Seuntjens, O. Morin, M. Hatt, *Investigating the complementarity of radiomics and clinical information for predicting treatment failure in multiple cancer types*, American Association of Physicists in Medicine (AAPM) 60th Annual Meeting, Nashville, Tennessee, July 29-August 02, 2018, abstract TH-AB-DBRB-7; Med. Phys. **45**(6), e679.
33. V. Turgeon†, G. Kertzscher, S.A. Enger, *Non-invasive positron detector for the monitoring of the arterial input function in PET*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, Resident and Young Investigator Competition, oral presentation.
34. A. Diamant†, A. Chatterjee†, S. Faria, I. El Naqa, H. Bahig, E. Filion, C. Robinson, H. Al Halabi, J. Seuntjens, *Can dose proximal to the PTV influence the risk of distant metastases in early stage lung cancer patients treated with SBRT?*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, Resident and Young Investigator Competition, oral presentation.
35. V. Fortier†, I.R. Levesque, *Synthetic-CT from 3D gradient-echo MRI*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, Resident and Young Investigator Competition, oral presentation.
36. H. Patrick†, J. Alberst†, L. Souhami, J. Kildea, *Development of a DVH registry for plan evaluation, dose accumulation, and cohort analysis*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, Resident and Young Investigator Competition, oral presentation – Treatment Planning.
37. M. Serban, C. Chiristis, K. Nkiwane, I. Dumas, J. Swamidas, A. de Leeuw, R. Hudej, G. Lowe, N. Nesvacil, R. Potter, J. Lindegaard, K. Tanderup, *Isodose surface volumes in cervix cancer brachytherapy: Comparison of standard (point A) and individualized image guided adaptive (embrace) brachytherapy*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, oral presentation – Brachytherapy.
38. P. Watson†, H. Bekerat, P. Papaconstadopoulos, J. Seuntjens, *The intrabeam dosimetric interregnum: are the breast target protocol doses delivered by intrabeam accurate?*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, Resident and Young Investigator Competition, oral presentation – Dosimetry/Treatment Delivery.
39. M. Renaud†, M. Serban, C. Lambert, C.R. Freeman, G. Shenouda, J. Seuntjens, *The clinical case for simultaneously-optimized mixed electron-photon radiotherapy on standard radiotherapy linacs: Breast and soft tissue sarcoma irradiation*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, oral presentation – Dosimetry/Treatment Delivery.

40. J. Schneider†, R. Lisbona, M. Hickeson, G. Chausse, N. Tomic, T. Vuong, F. DeBlois, J. Seuntjens, S. Devic, *Defining background in rectal cancer FDG-PET scans by decomposing differential uptake volume histograms*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, oral presentation – Imaging.
41. Z. Ahmed†, C.R. Freeman, K. Goulding, T. Powell, J. Seuntjens, R. Turcotte, I.R. Levesque, *Texture features from early enhancement of post-contrast MRI are predictive of metastatic sarcoma*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, oral presentation – Imaging.
42. Y. Zlateva†, B. Muir, I. El Naqa, J. Seuntjens, *Laying the groundwork for accurate Cherenkov emission-based electron beam dosimetry*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 54; *Radiother. Oncol.* **129**(1), S21.
43. E. Jean, M-E. Delage†, L. Beaulieu, *Investigation of the quinine sulfate spectral properties and its effects on the Cherenkov emission dosimetry*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 112.
44. H.M.L. Rosales†, L. Archambault, S. Beddar, L. Beaulieu, *Development and characterization of a 3 points plastic scintillator dosimeter in HDR Brachytherapy*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 115.
45. L. Mirzakhani†, A. Sarfehnia, J. Seuntjens, *Experimental validation of the Monte Carlo calculated $K_{Q_{MSR}, Q_0^{F_{MSR}}}$, F_{REF} factors for the reference dosimetry Leksell Gamma Knife icon unit in the context of the IAEA TRS-483 protocol*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 117.
46. L. Montgomery†, M. Evans, L.H. Liang, J. Kildea, *The effect of the flattening filter on photoneutron production at 19 MV in the Varian truebeam linac*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 120.
47. M. Rilling†, F. Bourassa, S. Thibault, L. Archambault, *Comparing the use of plenoptic versus standard cameras in 3D scintillation-based dosimetry systems*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 121.
48. A. Chatterjee†, M. Vallières†, A. Dohan, I. Levesque, Y. Ueno, S. Saif, C. Reinhold, J. Seuntjens, *Addressing data variability from different institutions for robust radiomic model building*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 130.
49. D. Gourdeau†, P. Despres, L. Archambault, *MRI imaging pre-processing pipeline for radiomic studies of the brain*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 134; *J. Eur. Soc. Radiother. Oncol.* **129**(1):
50. E. Velazquez†, J. Kildea, *Exploring incident reports for radiation oncology using NLP tools*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 156; *J. Eur. Soc. Radiother. Oncol.* **129**(1):
51. E. Soisson, V. Matassa†, J. Kildea, *Imagecounting and the increased use of IGRT for patient set-up*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 167; *J. Eur. Soc. Radiother. Oncol.* **129**(1):

52. A. Kroshko[†], N. Varfalvy, O. Morin, L. Archambault, *Stochastic frontier analysis to improve organs-at-risk sparing in VMAT-treated prostate cancer*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 186; J. Eur. Soc. Radiother. Oncol. **129**(1):
53. J. Mullins[†], M-A. Renaud[†], J. Seuntjens, *Simultaneous trajectory and volumetric modulated arc therapy optimization*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 196; J. Eur. Soc. Radiother. Oncol. **129**(1):
54. C. Belanger[†], Y. Ma, L. Paradis-Lapierriere, A. Cunha, L. Beaulieu, *Implementation and validation of IPSA on GPU architecture for fast multi-criteria optimization for HDR Brachytherapy*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 226.
55. G. Famulari[†], J. Alfieri, S.A. Enger, *Should bones be considered as organs at risk for intermediate energy brachytherapy sources?*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 230; J. Eur. Soc. Radiother. Oncol. **129**(1):
56. R.M. Askari[†], L. Beaulieu, L. Archambault, E. Poulin, *Developing a quality control tool for clinical ultrasound-guided HDR prostate brachytherapy based on patient-specific geometric by using stochastic frontier analysis*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 245; J. Eur. Soc. Radiother. Oncol. **129**(1):
57. J. Albers[†], S. Faria, J. Kildea, C. Pembroke, W. Parker, *Chest wall pain following stereotactic body irradiation therapy (SBRT) to the lung using 48 Gy in three fractions: A search for predictors*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 370; J. Eur. Soc. Radiother. Oncol. **129**(1):
58. M. Evans, R. Ruo, M-A. Renaud[†], W. Parker, S. Skamene, C.R. Freeman, J. Seuntjens, *Total body photon irradiation with island-block attenuators: Dose distributions generated with a Monte Carlo treatment planning system*, Canadian Association of Radiation Oncology-Canadian Organization of Medical Physicists-Canadian Association of Medical Radiation Technologists (CARO-COMP-CAMRT) 64th Annual Meeting, Montreal, Quebec, September 12-15, 2018, poster 386; J. Eur. Soc. Radiother. Oncol. **129**(1): S131.
59. S. Xing^{†*}, C.R. Freeman, S. Jung, R. Turcotte, I.R. Levesque, *Probabilistic classification of tumor habitats in soft tissue sarcoma*, Cancer Research Program Scientific Day, Research Institute-McGill University Health Centre, Montréal, Quebec, May 22, 2018; NMR Biomed. **31**(11), e4000. doi: 10.1002/nbm.4000.
60. T. Lefebvre[†], G. Gilbert, C. Wartelle-Bladou, G. Sebastiani, H. Castel, B.N. Nguyen, D. Olivie[†], A. Tang, *Intravoxel incoherent motion diffusion-weighted MRI for assessing necroinflammation in patients with chronic liver disease*, Proc. Int. Soc. Mag. Reson. Med. **26**, 521 (2018).