

APPENDIX XIII.

PUBLISHED ABSTRACTS

by members of the Medical Physics Unit : 2003 calendar year

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

1. M.D.C. Evans, G. Shenouda, C. Edelstein, M. Mansour, W. Parker, E.B. Podgorsak, *Treatment considerations for ruthenium-106 episcleral choroidal melanoma plaque therapy*, Med. Phys. **30**(6), 1948 (2003).
2. T. Falco, M.D.C. Evans, L. Souhami, M. Duclos, A. Apprikian, W. Parker, H.J. Patrocínio, E.B. Podgorsak, *Preliminary experience with 3-D ultrasound-based treatment planning for HDR prostate brachytherapy*, Med. Phys. **30**(7), 1941 (2003).
3. M.D.C. Evans, G. Shenouda, C. Edelstein, M. Mansour, E.B. Podgorsak, *Episcleral choroidal melanoma therapy using Ruthenium-106 plaques*, Med. Phys. **30**(7), 1430 (2003).
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5. S. Oliveira†, H.J. Patrocínio, E.B. Podgorsak, *Comparison of linac stereotactic radiosurgery techniques*, Med. Phys. **30**(7), 1952 (2003).
6. G. Mawko, C. Janicki, *Patient-specific doses for Y-90 radionuclide synovectomy treatments*, Med. Phys. **30**, 1949 (2003).
7. G. Shenouda, M.D.C. Evans, C. Edelstein, M. Mansour, E.B. Podgorsak, *Therapy for choroidal melanoma using ruthenium-106 plaque*, Radio. & Oncol. **69** (Suppl. 1), S 18, 3-5 (2003).
8. T. Vuong, M. David, P. Szego, R.A. Corns, S. Devic, M.D.C. Evans, S. Mayrand, J. Parent, *Safe integration of high dose rate endoluminal brachytherapy in the conservative treatment of patients with esophagus cancer and external beam radiation with or without chemotherapy*, Eur. J. Cancer **39** (Suppl. 5), p. S158 (2003).
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10. M.-J. Blouin, S.J. Shiry, S. Lehnert, G. Allan, M. Pollack, *Radiosensitizing effect of recombinant ICFBP-3 on MCF-7 breast cancer cells*, Proceedings of the American Association for Cancer Research **44**, 1172 (2003).
11. S. Sadekova, M. Park, S. Mourad, S. Lehnert, *Genetic analysis of human ovarian tumor cell lines resistant to cis-platinum and cross-resistant to ionizing radiation*, Proceedings of the American Association for Cancer Research **44**, 1411 (2003).
12. A.P. Bagshaw, C.-G. Bénar, Y. Agha Khani, C. Hawco, F. Dubeau, G.B. Pike, J. Gotman, *The effect of the haemodynamic response function on the analysis of simultaneous EEG-fMRI data in epilepsy*, Proceedings of Human Brain Mapping 2003, (2003).
13. B. Stefanovic, G.B. Pike, *fMRI-based quantification of cerebral blood volume changes*, Proceedings of Human Brain Mapping 2003, (2003).
14. B. Stefanovic, J.M. Warnking, G.B. Pike, *Simultaneous fMRI-based measurements of cerebral blood volume, flow and BOLD*, Proceedings of Human Brain Mapping 2003, (2003).
15. I. Levesque†, J.G. Sled, S. Narayanan, A.C. Santos, S.D. Brass, S.J. Francis, D.L. Arnold, G.B. Pike, *A quantitative magnetization transfer study of edema and demyelination in chronic T1 black holes*, Proceedings of ISMRM Workshop on MR Technology to Assess MS Pathology *in vivo*, 54 (2003).
16. A.P. Bagshaw, C.-G. Bénar, Y. Agha Khani, C. Hawco, F. Dubeau, G.B. Pike, J. Gotman, *Analysis of intrictal EEG-fMRI data using a range of haemodynamic response functions*, Proceedings of American Epilepsy Society Meeting, (2003).
17. J.P. Seuntjens, A.R. DuSautoy *Review of calorimeter-based absorbed-dose to water standards*, Book of extended synopses of the international symposium, Vienna, Austria, IAEA CN-96-29 (2003).
18. K.J. Stewart†, J.P. Seuntjens, *A novel liquid ionization chamber for clinical dosimetry*, Book of extended synopses of the international symposium, Vienna, Austria, IAEA CN-96-29 (2003).
19. F. Hobeila, J.P. Seuntjens, *Effect of photoelectric cross-sections on dosimetric quantities calculated with EGSnrc*. Book of extended synopses of the international symposium, Vienna, IAEA CN-96-17P (2003).
20. H. Bouchard†, J.P. Seuntjens, *Monte Carlo reassessment of ion chamber-based reference dosimetry during quality assurance of intensity modulated radiation therapy*, World Congress on Medical Physics, Sydney, Australia, August 24-29, 2003 [Paper No. 681].

21. E. Heath†, W. Parker, B. Curran, J.P. Seuntjens, *Clinical evaluation of the PEREGRINE Monte Carlo dose calculation system for 6 MV photon beams*, World Congress on Medical Physics, Sydney, Australia, August 24-29, 2003 [Paper No. 1800].
22. E. Heath†, J.P. Seuntjens, *A new component module for modeling the Varian millennium 120 leaf collimator using BEAMnrc*, World Congress on Medical Physics, Sydney, Australia, August 24-29, 2003 [Paper No. 2603].
23. M. Fragoso, F. Verhaegen, J. Fernandez-Varea, J.P. Seuntjens, *Comparison of EGSnrc and PENELOPE Monte Carlo codes in the brachytherapy energy range, including improved low-energy photon cross-sections*, World Congress on Medical Physics, Sydney, Australia, August 24-29, 2003.