

APPENDIX XVI.

CONFERENCE & SEMINAR PRESENTATIONS

by members of the Medical Physics Unit : 2007-08 academic year

(presenter is indicated by an asterisk *)

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

1. K. Jabbari†, J. Seuntjens, *PMC: A new fast Monte Carlo code for radiation therapy*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
2. A. Alexander†, F. DeBlois, G. Stroian, K. Al-Yahya†, E. Heath†, J. Seuntjens, *McGill Monte Carlo treatment planning GUI*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
3. E. Heath†, J. Seco, Z. Wu, G. Sharp, H. Paganetti, J. Seuntjens, *A comparison of dose warping methods for 4D Monte Carlo dose calculations in lung*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
4. M. Margeanu†, E. Heath†, G. Stroian, J. Seuntjens, *Image registration of a new deformable phantom in 4DRT*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
5. L. Tantot†, R. Ruo, J. Seuntjens, *Reference dosimetry in non-standard beam configurations: Chamber modelling and experiments*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
6. G. Stroian, C. Martens, L. Souhami, D.L. Collins, **J. Seuntjens**, *Local correlation of radiation-induced fibrosis and Monte Carlo dose in non small cell lung cancer patients*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
7. K. Al-Yahya†, F. Verhaegen, J. Seuntjens, *Monte Carlo-based modulated electron beam radiotherapy planning and delivery: Methods, validation and clinical impact*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
8. M. Bazalova†, C. Coolens, F. Cury, P. Childs, L. Beaulieu, F. Verhaegen, *Monte Carlo dose calculation for phantoms with hip prostheses*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
9. B. Reniers, D. Liu†, T. Rusch, **F. Verhaegen**, *Spectral analysis and microdosimetric MC study around a novel electronic brachytherapy device*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
10. D. Liu†, E. Poon†, M. Bazalova†, B. Reniers, M.D.C. Evans, J. Seuntjens, T. Rusch, F. Verhaegen, *Geant4 Monte Carlo characterization of novel electronic brachytherapy system*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
11. H. Afshapour, M. D'Amours, B. Côté, J-F. Carrier, F. Verhaegen, L. Beaulieu, *A Monte Carlo study of seed designs on the Interseed attenuation in permanent prostate implants*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.

12. J-F. Carrier, M. D'Amours, F. Verhaegen, B. Reniers, D. Taussky, A.G. Martin, E. Vigneault, L. Beaulieu, *Automated Monte Carlo prostate postimplant dosimetry: A multiinstitution study*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
13. C. Furstoss†, B. Reniers, E. Poon†, M. D'Amours, J-F. Carrier, L. Beaulieu, J. Williamson, F. Verhaegen, *Monte Carlo iodine brachytherapy dosimetry: Study for a clinical application*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
14. D. Fraser†, F. Cury, C.I. Mark, G. Shenouda, M. Duclos, T. Falco, F. Verhaegen, *Integration of 3D ultrasound image-guidance in Monte Carlo dose calculations*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
15. G. Jarry†, *Patient dosimetry of intensity modulated radiation therapy using Monte Carlo simulations and electronic portal images*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
16. E. Poon†, B. Reniers, Y. Le, J. Williamson, F. Verhaegen, *Dose perturbations due to applicator shielding and patient heterogeneities for 192Ir high dose rate rectal brachytherapy treatment*, Third McGill International Workshop on Monte Carlo Techniques in Radiotherapy Delivery & Verification, Montréal, Québec, May 29-June 01, 2007.
17. S. Frey, J.S.W. Campbell, G.B. Pike, M.H. Kachaturian, V. Vanduffel, M. Petrides, *Homologues of areas 44 and 45 in the monkey using diffusion tensor fiber tractography*, Proceedings of the 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Chicago, IL, June 10-14, 2007.
18. C.I. Mark, G.B. Pike, *Neurovascular metabolism coupling in the human visual cortex: A biophysical BOLD fMRI model comparison*, Proceedings of the 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM) Chicago, Illinois, June 10-14, 2007.
19. J.J. Chen, G.B. Pike, *Functional MRI measurement of venous cerebral blood volume measurement at 3 Tesla*, Proceedings of the 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM) Chicago, Illinois, June 10-14, 2007.
20. J.J. Chen, K. Advani, G.B. Pike, *Analysis of the biomechanical origin of the post-stimulus undershoot in BOLD*, Proceedings of the 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM) Chicago, Illinois, June 10-14, 2007.
21. W. Parker, *Risk assessment in a radiation oncology practice*, CARO-COMP Joint Scientific Meeting, Toronto, Ontario, October 09-13, 2007.
22. H. Elhateer, R. Ruo, E. Eldebawy, D. Roberge, C. Lambert, G. Shenouda, L. Souhami, T. Muanza, *Fractionated stereotactic radiotherapy for meningioma of the skull base*, CARO-COMP Joint Scientific Meeting, Toronto, Ontario, October 09-13, 2007.
23. H.J. Patrocinio, W. Parker, *McGill University experience with helical tomotherapy*, Tomotherapy symposium, Toronto, Ontario, October 09, 2007.
24. C. Janicki, *Complementary and alternative cancer therapies: How quantum mechanics and the mind-body paradigm are used to explain spontaneous regression and self-healing*, MPU Noon Seminar Series, McGill University, Montreal, Quebec, October 26, 2007.
25. B. Reniers, D. Liu†, T. Rusch, F. Verhaegen, *Monte Carlo study of a novel electronic brachytherapy device: Radiation quality effects*, 9th Biennial Conference of the European Society for Therapeutic Radiology & Oncology (ESTRO), Barcelona, Spain, November 02-04, 2007.
26. E. Klepousniotou, V. Gracco, G.B. Pike, *Investigating the right hemisphere's involvement in language processing: An fMRI study*, Society for Neuroscience Meeting, San Diego, California, November 03-07, 2007.
27. S. Frey, M. Petrides, G.B. Pike, M.H. Khachaturian, L.B. Ekstrom, J. Arsenault, W. Vanduffel, *Microstimulation and fMRI of areas 44 and 45 in the non-human primate*, Society for Neuroscience Meeting, San Diego, California, November 03-07, 2007.

28. E. Klepousniotou, V. Gracco, G.B. Pike, *Functional neuroimaging of the linguistic abilities of the right hemisphere: What do we want to see in brain Imaging?*, London, England, December 03-04, 2007.
29. D.L. Arnold, J.J. Chen, S. Narayanan, P. Giacomini, G.B. Pike, D.L. Collins, *Imaging degeneration and repair in MS*, The Canadian End MS Research Conference, Banff, Alberta, December 10-13, 2007.
30. E. Klepousniotou, V. Gracco, G.B. Pike, *Functional neuroimaging evidence regarding the role of the right hemisphere in language processing*, Hellenic Society for Neuroscience 2007, Thessaloniki, Greece, November 30-December 01, 2007.
31. E. Klepousniotou, G.B. Pike, V. Gracco, *N400 modulations predict patterns of meaning activation in homonymy and polysemy*, 3rd International Congress on Brain and Behaviour, Thessaloniki, Greece, November 28-December 02, 2007.