

APPENDIX XVI.

CONFERENCE & SEMINAR PRESENTATIONS

by members of the Medical Physics Unit : 2008-09 academic year

(presenter is indicated by an asterisk *)

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

1. J.J. Chen, G.B. Pike, *Functional changes in cerebral blood flow and venous blood volume: What is the steady-state relationship?*, 14th annual meeting of the Organization for Human Brain Mapping, Melbourne, Australia, June 15-19, 2008.
2. J.J. Chen, G.B. Pike, *Measuring hemodynamic contributions to the BOLD post-stimulus undershoot*, 14th annual meeting of the Organization for Human Brain Mapping, Melbourne, Australia, June 15-19, 2008.
3. C.I. Mark, G.B. Pike, *Computer-controlled hypercapnic vasodilation for accurate and reproducible BOLD calibration*, 14th annual meeting of the Organization for Human Brain Mapping, Melbourne, Australia, June 15-19, 2008.
4. C. Deslauriers, N. Palmour, E. Bell, G.B. Pike, J. Doyon, E. Racine, *Perspective of researchers on ethics review of neuroimaging research in Canada*, Canadian Bioethics Society Conference, St John's, NF, June 2008.
5. A. Sarfehnia*†, J. Seuntjens, *A novel HDR Ir-192 brachytherapy water calorimeter standard*, 54th Annual Scientific Meeting of the Canadian Organization of Medical Physicists, Quebec, Quebec, June 26-28, 2008.
6. I. Aldahlawi†, M.D.C. Evans, B. Reniers, K. Asiev†, J. Last†, W. Parker, F. DeBlois, *An assessment of PDDs and output factors predicted by a Monte Carlo-based treatment planning system for electron beams*, 54th annual scientific meeting of the Canadian Organization of Medical Physicists, Quebec, Quebec, June 26-28, 2008.
7. W. Parker, M.D.C. Evans, R. Ruo, H. Patrocino, *IGRT QA for helical tomotherapy*, 54th Annual Scientific Meeting of the Canadian Organization of Medical Physicists, Quebec, Quebec, June 26-28, 2008.
8. A. Alexander*†, F. DeBlois, J. Seuntjens, *McGill Monte Carlo research platform (MMCTP) for dose comparison studies*, 50th annual meeting of the American Association of Physicists in Medicine, Houston, Texas, July 27-31, 2008.
9. P. Savadijiev, J. Campbell, G.B. Pike, K. Siddiqi, *Streamline flows for white matter fibre pathway segmentation in diffusion MRI*, 11th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), New York, NY, September 06-10, 2008.
10. S. Quinlan-Davidson, M.D.C. Evans, C. Edelstein, G. Shenouda, *Visual acuity and complications after Ruthenium-106 plaque brachytherapy for medium size choroidal melanoma*, Annual Meeting of the Canadian Association of Radiation Oncologists (CARO), Montreal, Quebec, September 10-13, 2008.
11. S. Quinlan-Davidson, M.D.C. Evans, C. Edelstein, G. Shenouda, *Visual acuity and complications after Ruthenium-106 plaque brachytherapy for medium size choroidal melanoma*, 50th Annual Meeting of the American Society of Therapeutic Radiation Oncologists (ASTRO), Boston, Massachusetts, September 21-25, 2008.

12. I. Levesque†, G.B. Pike, *The effect of restricted pool distribution in the four-pool model of WM on two-pool MT observations*, ISMRM White Matter Workshop: Pathogenesis and Mechanisms of White Matter Injury, Krakow, Poland, September 23-26, 2008.
13. I. Levesque†, G.B. Pike, *Compartmental water exchange has minimal impact on two-pool QMT measures in a model of white matter*, ISMRM White Matter Workshop: Pathogenesis and Mechanisms of White Matter Injury, Krakow, Poland, September 23-26, 2008.
14. C. Deslauriers, N. Palmour, E. Bell, G.B. Pike, J. Royon, E. Racine, *Perspective of researchers on ethics review of neuroimaging research in Canada (updated results)*, International Association of Bioethics, Rijeka, Croatia, September 2008.
15. E. Klepousniotou, G.B. Pike, V.L. Gracco, *From the left to the right: EEG evidence of hemispheric shift in lexical ambiguity processing*, Society for Neuroscience, Washington, DC, November 15-19, 2008.
16. C. Deslauriers, N. Palmour, E. Bell, G.B. Pike, J. Doyon, E. Racine, *Perspective of researchers on ethics review of neuroimaging research in Canada (updated results)*, Neuroethics Society, Washington, DC, November 2008.
17. L. Ortega Maynez, T. Oisters, V. Uhlendorf, F. Wubbeling, K. Schafers, A.J. Reader, *List-mode detector scatter estimation method with potential for real-time implementation in high resolution PET imaging*, Nuclear Science Symposium and Medical Imaging Conference Record, Dresden, Germany, 2008.
18. G. Pratz, A.J. Reader, C. Levin, *Faster maximum-likelihood reconstruction via explicit conjugation of search directions*, Nuclear Science Symposium and Medical Imaging Conference Record, Dresden, Germany, 2008.
19. I Hong, A.J. Reader, *Ultra fast 4D PET image reconstruction with user-definable temporal basis functions*, Nuclear Science Symposium and Medical Imaging Conference Record, Dresden, Germany, 2008.
20. F.C. Sureau, J-C. Pesquet, C. Chaux, N. Pustelnuk, A.J. Reader, C. Comtat, R. Trebossen, *Temporal wavelet denoising of PET sinograms and images*, Nuclear Science Symposium and Medical Imaging Conference Record, Dresden, Germany, 2008.
21. S. Devic*, N. Tomic, S. Faria, R. Lisbona, E.B. Podgorsak, *FDG based glycolytic biological target volume definition for radiotherapy treatment planning of NSCLC*, 4th International Conference on Translational Research & Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland, March 11-13, 2009.
22. N. Tomic, J.F. Wan, U. Saragovi, S. Devic, *Output calibration of radiobiological experiments using radiochromic film*, 4th International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland, March 11-13, 2009.
23. A. Garant, T. Vuong, I. Yau, P. Doran, S. Devic, *Hypogonadism risk from scatter radiation during pelvic radiation for patients with rectal Cancer*, 4th International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland, March 11-13, 2009.
24. T. Vuong, K. Waschke, S. Liberman, C. Richard, J. Parent, M. Bouin, A. Wisniewski, S. Mayrand, P. Charlebois, B. Stein, S. Devic, *A phase I/II study testing the value of botox-A in radiation induced proctitis*, 4th International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland, March 11-13, 2009.
25. D. Berlach*, M. Brodeur, F. Cury, *Pelvic radiation in patients with a pelvic kidney: No longer playing with fire*, McGill Urology Research Day, McGill University, Montreal, Quebec, April 16, 2009.
26. A. Alexander*†, F. DeBlois, J. Seuntjens, *Tratement par modulation d'énergie d'électron à l'aide d'un collimateur à peu de lames: Optimization de plans*, 5^{ème} Journée Scientifique de l'Association Québécoise des Physiciens Médicaux Cliniques, Québec, Quebec, April 17, 2009.

27. G. Landry*†, F. DeBlois, F. Verhaegen, *ImaSim, un outil informatique pour l'enseignement de l'imagerie*, 5ème Journée Scientifique de l'Association Québécoise des Physiciens Médicaux Cliniques, Québec, Québec, April 17, 2009.
28. J. Thébaut*†, F. DeBlois, A. Alexander†, J. Seuntjens, *Modélisation de grande précision des faisceaux d'électrons pour la planification de traitement par techniques Monte Carlo*, 5ème Journée Scientifique de l'Association Québécoise des Physiciens Médicaux Cliniques, Québec, Québec, April 17, 2009.