

APPENDIX XIV.

PUBLISHED ABSTRACTS

by members of the Medical Physics Unit : 2008 calendar year
(names of MPU staff members are underlined, students are indicated by †)

1. T. Vuong, S. Faria, K. Waschke, S. Liberman, B. Stein, P. Charlebois, S. Devic, *The use of high dose rate endorectal brachytherapy as a boost in inoperable patients with locally advanced rectal tumors*, Brachytherapy **7**, 103, abstract #OR31 (2008).
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3. G. Wakil, T. Vuong, M. David, D. Roberge, P. Szego, S. Devic, *Usefulness of endoscopically-placed radio-opaque clips in the localization of esophageal cancer for endoluminal brachytherapy and external beam radiation therapy*, Brachytherapy **7**, 161, abstract #PO67 (2008).
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5. M. Serban, A. Alexander†, J. Seuntjens, *Towards quality assurance of 4D radiotherapy using a deformable lung phantom*, Med. Phys. **35**, 2722 [SU-FF-J-186] (2008).
6. A. Alexander†, F. DeBlois, J. Seuntjens, *McGill Monte Carlo research platform (MMCTP) for dose comparison studies*, Med. Phys. **35**, 2797 [SU-GG-T-315] (2008).
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10. M. McEwen, D. Stevens, T. Slowey, J. Seuntjens, *Putting the A into ADCL, the role of the calibration laboratory accreditation*, Med. Phys. **35**, 2960 [T-A-350-01] (2008).
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13. 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*, Med. Phys. **35**, 3402 (2008).
14. A. Sarfehnia†, J. Seuntjens, *A novel HDR Ir-192 brachytherapy water calorimeter standard*, Med. Phys. **35**, 3416 (2008); Proc. 54th Annual Scientific Meeting of the Canadian Organization of Medical Physicists, Quebec, Quebec, June 26-28, 2008, pp. 262-264.
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22. J.J. Chen, G.B. Pike, *Origins of the BOLD post-stimulus undershoot*, Proc. 16th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, Ontario, May 3-9, 2008, p. 216.
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25. J.J. Chen, G.B. Pike, *Steady-state relationship between cerebral blood flow and venous blood volume*, Proc. 16th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, Ontario, May 3-9, 2008, p.1909.
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27. P.S. Giacomini, I. Levesque, L. Ribeiro, S. Narayana, G.B. Pike, D.L. Arnold, *Assessment of demyelination and remyelination in acute MS lesions: magnetization transfer ratio imaging versus quantitative magnetization transfer imaging*, Proc. 16th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, Ontario, May 3-9, 2008, p. 2141.
28. I. Leppert, R. Almlı, R. McKinstry, R. Mulkern, C. Pierpaoli, M. Rivkin, G.B. Pike, The Brain Development Cooperative Group, *T-Relaxometry of normal pediatric brain development*, Proc. 16th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, Ontario, May 3-9, 2008, p. 4708.
29. K. Oishi, K. Zilles, K. Amunts, H. Jiang, X. Li, K. Akhter, K. Hua, R. Woods, A. Toga, G.B. Pike, P. Rosa Neto, A. Evans, J. Zhang, H. Huang, M. Miller, P. van Zijl, S. Mori, *Building an atlas of the subcortical white matter: Identification and assignment of common anatomical structures*, Proc. 16th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, Ontario, May 3-9, 2008.
30. C. Deslauriers, N. Palmour, E. Bell, G.B. Pike, J. Doyon, E. Racine, *Perspective of researchers on ethics review of neuroimaging research in Canada (preliminary results)*, 2nd Annual Canadian Neuroscience Meeting, Montréal, Québec, May 25-28, 2008.

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33. 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, Poster 656, June 15-19, 2008.
34. 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.
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37. G.B. Pike, *In vivo MRI techniques for increased myelin specificity*, ISMRM White Matter Workshop: Pathogenesis and Mechanisms of White Matter Injury, Krakow, Poland, September 23-26, 2008.
38. 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, p. 07.
39. 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, p. P12.
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41. 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.
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