

## APPENDIX XVI.

### CONFERENCE & SEMINAR PRESENTATIONS

by members of the Medical Physics Unit : 2006-07 academic year

(presenter is indicated by an asterisk \*)

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

1. K. Al-Yahya\*†, F. Verhaegen, J. Seuntjens, *Planning and automatic delivery of energy modulated electron therapy (EMET): A novel technique*, 52nd Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Saskatoon, Saskatchewan, May 31-June 02, 2006.
2. A. Sarfehnia\*†, K. Jabbari†, J. Seuntjens, E.B. Podgorsak, *High contrast imaging using orthogonal bremsstrahlung beams: An experimental study of radiation quality*, 52nd Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Saskatoon, Saskatchewan, May 31-June 02, 2006.

The presentation was awarded the **First Prize** in the J.R. Cunningham Young Investigator Symposium.

3. M.D.C. Evans\*, M. Olivares, J. Seuntjens, W. Parker, S. Devic, E. Poli, C. Freeman, E.B. Podgorsak, *A rotational total skin electron irradiation technique using a linear accelerator with a commercially available high dose rate total body electron mode*, 52nd Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Saskatoon, Saskatchewan, May 31-June 02, 2006.
4. A. Elliott\*†, K. Stewart†, J. Seuntjens, *Study of characteristics of a new liquid ionization chamber*, 52nd Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Saskatoon, Saskatchewan, May 31-June 02, 2006.
5. C. Duchesne\*, M. Mondat, W. Wierzbicki, *Analytical model for electron arc beam output determination using an Elekta SL-25 linear accelerator*, 52nd Annual Scientific Meeting of the Canadian Organization of Medical Physicists (COMP), Saskatoon, Saskatchewan, May 31-June 02, 2006.
6. M. Descoteaux, R. Deriche, P. Savadjiev, J.S.W. Campbell, G.B. Pike, K. Siddiqi, *Analytic ODF estimation and validation in q-ball imaging*, Organization for Human Brain Mapping 2006, Florence, Italy, June 11-15, 2006.
7. V. Woo, G. Leonard, M. Perron, L. Richer, S. Veillette, Z. Pausova, T. Paus, G.B. Pike, *Relationship between structural changes detected in MTR and VBM group analyses: The Sanguenay youth study*, Organization for Human Brain Mapping 2006, Florence, Italy, June 11-15, 2006.
8. I. Leppert, R. Almlj, R.C. McKinstry, R. Mulkern, C. Pierpaoli, M. Rivken, G.B. Pike and The Brain Development Cooperative Group, *Pediatric age-related T2 relaxometry in normal brain development*, Organization for Human Brain Mapping 2006, Florence, Italy, June 11-15, 2006.
9. A. Sarfehnia\*†, K. Jabbari†, J. Seuntjens, E.B. Podgorsak, *Radiation quality in high contrast imaging with orthogonal bremsstrahlung beams*, 48th annual meeting of the American Association of Physicists in Medicine (AAPM), Orlando, Florida, July 31-August 03, 2006.

The presentation was awarded the **First Prize** in the **John R. Cameron Young Investigator Symposium**

10. M. Bazalova\*†, S. Palefsky, L. Beaulieu, F. Verhaegen, *Correction of streaking artifacts in CT images and its influence on Monte Carlo dose calculations*, 48th annual meeting of the American Association of Physicists in Medicine (AAPM), Orlando, Florida, July 31-August 03, 2006.
11. G. Jarry\*†, F. Verhaegen, *In-vivo dosimetry using electronic portal imaging and Monte Carlo techniques*, 48th annual meeting of the American Association of Physicists in Medicine (AAPM), Orlando, Florida, July 31-August 03, 2006.
12. A. Elliott\*†, K. Stewart†, J. Seuntjens, *Investigation of properties of a new liquid ionization Chamber*, 48th annual meeting of the American Association of Physicists in Medicine (AAPM), Orlando, Florida, July 31-August 03, 2006.
13. E. Sham\*†, S. Devic, J. Seuntjens, E.B. Podgorsak, *Dosimetry of very small (1.5 and 3 mm diameter) photon beams: Diode and film measurements versus Monte Carlo calculations*, 48th annual meeting of the American Association of Physicists in Medicine (AAPM), Orlando, Florida, July 31- August 03, 2006.
14. K. Al-Yahya†, S. Devic, F. Verhaegen, J. Seuntjens\*, *Construction and dosimetry of a prototype automated few-leaf electron collimator (FLEC) for delivery of energy-intensity modulated electron therapy*, 48th annual meeting of the American Association of Physicists in Medicine (AAPM), Orlando, Florida, July 31-August 03, 2006.
15. E. Tryggestad\*, E. Armour, H. Deng, E. Ford, J. Huang, I. Iordachita, P. Kazanzides, C. Kennedy, T. McNutt, F. Verhaegen, J. Wong, *The small-animal radiation research platform (SARRP): Commissioning a 225 KVp "small-field" x-ray source for Monte Carlo-based treatment planning*, 48th annual meeting of the American Association of Physicists in Medicine (AAPM), Orlando, Florida, July 31-August 03, 2006.
16. L. Fu†, V. Fonov, G.B. Pike, A.C. Evans, D.L. Collins, *Automated analysis of multi site MRI phantom data for the NIHPD project*, Medical Image Computing and Computer Assisted Intervention (MICCAI), Copenhagen, Denmark, October 01-06, 2006.
17. F. DeBlois, G. Shenouda\*, A. Alexander†, H.J. Patrocinio, R. Ruo, J. Chankowski, *The use of the BrainLab relocatable stereotactic frame for irradiation of the choroidal melanoma: Design and treatment accuracy study*, ESTRO, Leipzig, Germany, October 08-12, 2006.
18. F. DeBlois, A. Alexander†, F. Verhaegen, J. Seuntjens, *McGill Monte Carlo treatment planning system (MMCTP): A software guide for radiotherapy research*, First European Workshop on Monte Carlo Treatment Planning of the European Workgroup on MCTP, Gent, Belgium, October 22-25, 2006.
19. E. Klepousniotou, V. Gracco, K. Steinhauer, G.B. Pike, *Access and representation of homonymy and polysemy in the mental lexicon*, Fifth International Conference on the Mental Lexicon, Montréal, Québec, October 2006.
20. E. Reynard†, M.D.C. Evans, E.B. Podgorsak, *Rotational total skin electron irradiation (RTSEI) with a 6 MeV Electron Linear Accelerator*, Journée scientifique de l'Association québécoise des physicien(ne)s médicaux cliniques, Montréal, Québec, April 27, 2007.
21. A. Sarfehnia†, J. Seuntjens, E.B. Podgorsak, *High contrast imaging with orthogonal bremsstrahlung beams: A novel technique*, Journée scientifique de l'Association québécoise des physicien(ne)s médicaux cliniques, Montréal, Québec, April 27, 2007.
22. E. Sham†, J. Seuntjens, E.B. Podgorsak, *Influence of focal spot on characteristics of very small diameter photon beams*, Journée scientifique de l'Association québécoise des physicien(ne)s médicaux cliniques, Montréal, Québec, April 27, 2007.
23. M. Bazalova†, F. Verhaegen, *Dual-energy CT images for Monte Carlo dose calculations*, Journée scientifique de l'Association québécoise des physicien(ne)s médicaux cliniques, Montréal, Québec, April 27, 2007.
24. I. Aldahawi†, W. Parker, J. Seuntjens, *Commissioning of an orthovoltage radiobiological irradiator*, Journée scientifique de l'Association québécoise des physicien(ne)s médicaux cliniques, Montréal, Québec, April 27, 2007.