

APPENDIX XI.

INVITED PRESENTATIONS

by members of the Medical Physics Unit : 2022 calendar year (x 24)

(in multiple author entries, the author who presented the paper is shown with an asterisk)
student presenters are shown with an †)

1. J. Renaud, *Accuray by the millikelvin: Development of a probe-formatq graphite calorimeter for accurate clinical dosimetry*, March 28, 2022, University of Wisconsin-Madison Medical Radiation Research Center, Madison, Wisconsin.
2. M. Serban, K. Kircheiner, *Center variation in morbidity reporting*, Online delivery, EMBRACE Annual Meeting, March 2022.
3. L.D. Collins, *Quantitative structural MRI methods and applications in epilepsy*, 6th International Training Course on NeuroImaging of Epilepsy, April 26-28, 2022, Montreal Neurological Institute, Montreal, Quebec.
4. P. Pater, *Seminar for future radiation oncology medical students*, April 27, 2022, Institute of Health Sciences Education, McGill University, Montreal, Quebec.
5. N. Ybarra, *Effects of galactic cosmic radiation on the human body*, McGill Bicentennial Space Research Conference, May 03-04, 2022, McGill University, Montreal, Quebec.
6. S. Enger, *The positive impact of good leadership: Creating a successful work environment*, European Society for Radiotherapy & Oncology (ESTRO), May 09, 2022, Copenhagen, Denmark.
7. I.R. Levesque, *Addressing patient-related artifacts: Implants and motion*, Joint Meeting of the International Society for Magnetic Resonance In medicine and the European Society for Magnetic Resonance in Medicine & Biology (ISMRM-ESMRMB), May 10, 2022, London, England. (in "Physics for Clinicians".)
8. S. Enger, *Innovations in brachytherapy*, Linköping University, May 12, 2022, Linköping, Sweden.
9. S. Enger, *Personalized radiotherapy through development of novel radiation delivery systems, model-based treatment planning system and radiation detectors*, Uppsala University, May 13, 2022, Uppsala, Sweden.
10. S. Enger, *The use of deep learning in brachytherapy*, 10th annual meeting Curietherapies: Moving Brachytherapy Forward, May 21, 2022, Montreal, Quebec.
11. L.D. Collins, *A recent history of image-guided surgery in the NIST lab in the Montreal Neurological Institute*, Quebec Bioimaging Network, June 02, 2022, Université de Sherbrooke, Sherbrooke, Quebec.
12. S. Enger, *Isotopes for medical applications*, 41st annual Canadian Nuclear Society Conference (CNS), June 06, 2022, (virtual).
13. J. Renaud, *The role of standards laboratories in reducing uncertainty in clinical dosimetry: A Canadian perspective*, International Conference on 3D and Advanced Dosimetry (IC3DDOSE), June 19-23, 2022, Québec City, Quebec.
14. S. Enger, *Applied non-standard dosimetry : Hydrated electron, clinical calorimetry and others*, International Conference on 3D and Advanced Dosimetry (IC3DDOSE), June 22, 2022, Québec City, Quebec.
15. S. Enger, *The evolving field of Medical Physics: Preparing for the future*, Canadian Organization of Medical Physicists (COMP), June 22, 2022, Québec, Quebec.
16. S. Enger, *Emerging and re-emerging brachytherapy treatments: A new alpha particle treatment device – current and future developments*, American Association of Physicists in Medicine (AAPM), July 12, 2022, Washington, DC.
17. S. Enger, *Multi-scale modelling in imaging and therapy: Modeling of brachytherapy treatments*, American Association of Physicists in Medicine (AAPM), July 14, 2022, Washington, DC.
18. S. Enger, *Novel interventional procedures involving microspheres: Current state of dosimetry with 90Y microspheres*, American Association of Physicists in Medicine (AAPM), July 14, 2022, Washington, DC.
19. P. Pater, *Seminar for future radiation oncology medical students*, October 11, 2022, Institute of Health Sciences Education, McGill University, Montreal, Quebec.
20. N. Ybarra, *Radio-selective effects of a naturally occurring muscle-derived dipeptide*, New Avenues in the Non-operative Management of Patients with Rectal Cancer, International Conference, October 13-15, 2022, Montreal, Quebec.

21. S. Enger, *Intensity modulated brachytherapy for treatment of rectal cancer*, New Avenues in the Non-operative Management of Patients with Rectal Cancer, International Conference, October 14, 2022, Montreal, Quebec.
22. M. Serban, *Fractionation in HDR cervix brachytherapy*, Groupe Européen de Curiethérapie & European Society for Radiotherapy & Oncology (GEC-ESTRO) network meeting, December 01, 2022, Nice, France.
23. M. Serban, *Image guidance in interstitial brachytherapy in gynaecology*, Keynote speaker, 1st MESTRO Symposium, December 02-03, 2022, King Fahad Medical City, Riyadh, Saudi Arabia.
24. M. Serban, *Planning of combined intracavitary/interstitial cervix brachytherapy*, Online delivery, December 2022, King Fahad Medical City, Riyadh, Saudi Arabia.