

MEDICAL PHYSICS SEMINARS & JOURNAL CLUB DISCUSSIONS

April 2024

Fridays, 12:00-1:00 pm (MJH Room 2279)

April 5 **Towards Consistent All-Organ Segmentation in MRI-based Cervical Brachytherapy: A Deep Learning Approach** **Seminar**

Presented by Patricia Oliva, MSc Student
 Dept. of Oncology, U. of Alberta
 Medical Physics Dept., CCI

April 12 **Validation of a Dynamic TOPAS Monte Carlo Model of Alberta Linac-MR** **Seminar**

Presented by Alireza Gazor, MSc Student
 Dept. of Oncology, U. of Alberta
 Medical Physics Dept., CCI

April 19 **Attention Is All You Need** **Journal Club**

Vaswani A, Shazeer N, Parmar N, Uszkoreit J, Jones L, Gomez AN, Kaiser L and Polosukhin I.

Proceedings of the 31st International Conference on Neural Information Processing Systems (NIPS), 2017.

<https://doi.org/10.48550/arXiv.1706.03762>

Presented by Gawon Han, PhD Student
 Dept. of Oncology, U. of Alberta
 Medical Physics Dept., CCI

April 26 **Evaluating the Performance of an MR Tumour Auto-contouring Algorithm in the Context of Intra- and Inter-observer Variabilities** **Seminar**

Presented by Gawon Han, PhD Student
 Dept. of Oncology, U. of Alberta
 Medical Physics Dept., CCI