



MEDICAL IMAGING CLUSTER
MEDICAL UNIVERSITY OF VIENNA

17th January, 2024, 4 pm

MIC Tea Time The Evolution and Future Horizons of Image-Guided Adaptive Brachytherapy

Online event
Register at [mic@meduniwien.ac.at](https://mic.meduniwien.ac.at)

www.cluster.meduniwien.ac.at/mic/teatime_schmid



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Image-guided adaptive brachytherapy (IGABT) is an innovative treatment within definitive chemoradiation of locally advanced cervical cancer. In contrast to the previous standard in brachytherapy, where all patients received the same treatment (“one fits all”), IGABT adapts according to the individual tumor spread and tumor response.

This has been enabled by (1) the repetitive performance of MRI during the course of chemoradiation visualizing the individual tumor extent and the respective regression pattern and (2) the development of combined intracavitary interstitial applicators, which allow for a larger degree of freedom in dose delivery. Major aspects of this novel treatment concept have been developed at the Department of Radiation Oncology of the Medical University of Vienna and have been analyzed within the observational international prospective multi-center study “EMBRACE”. The excellent results of the EMBRACE study have been recently published in *Lancet Oncology* and the *Journal of Clinical Oncology* and have led to the integration of IGABT into the latest international guidelines of cervical cancer treatment.

The current presentation will provide an overview of IGABT and will give an outlook on ongoing and future studies of the EMBRACE study group.

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This event will be approved by the Austrian
Medical Chamber with 1 DFP-Point.