

DVCAAPM YIS

AGENDA

March, 26, 2021, Friday

2:00PM – 4:00PM

Introduction	Shannon O'Reilly	President
2:05PM – 2:15PM	Michael Chaga Reducing Cardiac and Pulmonary Toxicities from Thoracic Radiotherapy through GC4419	TJU
2:15PM – 2:25PM	Matthew Mistro Evaluating a daily QA RT to MRI isocentricity test for an MR-guided linear accelerator	TJU
2:25PM – 2:35PM	Allison Haertter Prompt gamma timing as a real-time dose rate monitor of FLASH proton delivery	PENN
2:35PM – 2:45PM	Tara Tyson Discrepancies in Out-of-field Dose Prediction between Treatment Planning Systems	TJU
2:45PM – 2:55PM	Audrey Copeland Breast Patient Covering Dosimetry	TJU
3:00PM – 3:10PM	Keyur D. Shah Improving Deformable Image Registration Accuracy using a Hybrid Similarity Metric for Adaptive Radiation Therapy	Drexel
3:10PM – 3:20PM	Trevor L. Vent Next generation tomosynthesis image acquisition optimization for dedicated PET-DBT attenuation corrections	PENN

3:20PM – 3:30PM	Dae-Myoung Yang Validating Dynamic [¹⁸ F]DCFPyL PET and CT Perfusion Imaging Against Digital Histopathology for Detection and Localization of Dominant Intraprostatic Lesions in Prostate Cancer	FCCC
3:30PM – 3:40PM	Chloe Jeongin Choi Analysis of Digital Breast Tomosynthesis Acquisition Geometries in Sampling Fourier space	PENN
3:40PM – 3:50PM	Singh, Priyash Investigating Reconstruction Algorithms that facilitate Real-Time 4D Tomosynthesis	PENN