

2025 MAC AAPM Annual Meeting and DMV Proton Symposium								
Friday, October 24, 2025								
Start Time	End Time	Activity	Topic	Presenter	Location	CAMPEP CME Credit		
8:00	8:45		Breakfast and Registration		Lobby			
8:45	9:00	Welcome Remarks		Fionnbarr O'Grady & Dalong Pang	Auditorium			
9:00	10:40	Session 1: Physician Perspectives on Proton Therapy						
9:00	9:25	Research/Clinical	Proton Therapy - Indications and Rare Prostate Cancer Scenarios	Jonathan Lischalk	Auditorium	0.42		
9:25	9:50	Research/Clinical	Proton SRS: Promises and Limitations	Danial Kim	Auditorium	0.42		
9:50	10:15	Research/Clinical	Stereotactic Body Proton Therapy for Primary Renal Cell Carcinoma: Refining Treatment Delivery and Accuracy	James Knight	Auditorium	0.42		
10:15	10:40	Research/Clinical	Quantum Optimization in Radiation Oncology Department	Robabeh Rahimi	Auditorium	0.42		
10:40	11:00		Coffee Break/Vendors		Lobby			
11:00	12:00	Professional	Session 2: Adress from AAPM President Dr. Mahesh	M. Mahesh		1.00		
12:00	13:00		Lunch/Vendors		Lobby			
13:00	17:30	Session 3: Research and Clinical Topics						
13:00	13:15	Research/Clinical	Optimized IMPT plan database generation using projection methods	Sherif Gadoue	Auditorium	0.25		
13:15	13:30	Research/Clinical	Automated Breast Proton Radiotherapy Planning Using Deep Learning and Scripted Optimization	Mohammad Zarenia	Auditorium	0.25		
13:30	13:45	Research/Clinical	Automatic Specific Absorption Rate (SAR) Prediction for Hyperthermia Treatment Planning (HTP) Using Deep Learning Method	Yankun Lang	Auditorium	0.25		
13:45	14:00	Research/Clinical	Improving proton dose delivery via range-based patient setup	Weiguang Yao	Auditorium	0.25		
14:00	14:15	Research/Clinical	Uncertainty Analysis of HyperArc VMAT for SRS with Multiple Brain Metastases	Huijun Xu	Auditorium	0.25		
14:15	14:30	Research/Clinical	A quantitative comparison between calculation- and measurement-based PSQAs for Proton Therapy	Rosette Gonzalez	Auditorium	0.25		
14:30	14:45	ECIS	Assessing the Role of Lead and Wax Shielding in Electron Beam Dose to Facial Tissue	Emma Abiri	Auditorium	0.25		
14:45	15:15		Coffee Break/Vendors (Silver Sponsor Presentation from Vision RT @ 15:05)		Lobby			
15:15	15:30	Research/Clinical	Enable Preclinical, High-Precision Image-Guided Radiotherapy Research With A Stand-Alone Small Animal IGRT System	Wei Deng	Auditorium	0.25		
15:30	15:45	Research/Clinical	Impact of Energy Layer Spacing on Treatment Delivery Time and Plan Quality in Intensity-Modulated Proton Therapy for Breath-Hold Cancer Patients	Ajay Banskota	Auditorium	0.25		
15:45	16:00	Research/Clinical	Treatment Planning of Obese Prostate Cancer Patients on Halcyon/Ethos with 6 MV-FFF Using RayStation	Igor Bundalevski	Auditorium	0.25		
16:00	16:15	Research/Clinical	Distinguish Radiotherapy Plan Difference with a Numerical Method	Kaile Li	Auditorium	0.25		
16:15	16:30	Research/Clinical	Comparison between proton LET-dependent RBE dose and photon physical dose for acute radiation dermatitis in Caucasian and African-American breast cancer patients undergoing radiation therapy	Nrusingh Biswal	Auditorium	0.25		
16:30	16:45	Research/Clinical	Clinical Feasibility of Gantry-less Proton Planning for CNS Tumors	Peter Jermain	Auditorium	0.25		
16:45	17:00	Research/Clinical	Dosimetric Impact of Inter-Fractional Applicator Lengthening in High-Dose Rate Interstitial Breast Brachytherapy	Dylan Richeson	Auditorium	0.25		
17:00	17:30	Professional	Session 4: ASTRO / APEX	Rebecca Geiger	Auditorium	0.50		
18:00	20:00	Happy Hour				Patio		
Saturday, October 25, 2025								
Start Time	End Time	Activity	Topic	Presenter	Location	CAMPEP CME Credit		
8:00	9:00		Breakfast and Registration		Lobby			
9:00	9:15	Presentation	MACAAPM Business Meeting	Tianjun Ma	Auditorium			
9:15	13:00	Session 5: Early Career Investigator Symposium						
9:15	9:30	ECIS	Predicting Metastasis-Free Survival in omCSPC with Interpretable Deep Learning on Conventional PSMA PET/CT	Yufeng Cao	Auditorium	0.25		
9:30	9:45	ECIS	Flattening Filter–Free VMAT for APBI: Enhancing Patient Comfort and Treatment Efficiency within the Florence Protocol	Matthew Richeson	Auditorium	0.25		
9:45	10:00	ECIS	Feasibility of LAD Blocked Tangents for Enhanced Cardiac Sparing in Left Breast Radiotherapy	John Stasko	Auditorium	0.25		
10:00	10:15	ECIS	Feasibility of adaptive replanning with HyperSight-CBCT on a C-arm linac	Juan Chen	Auditorium	0.25		
10:15	10:30	ECIS	Enhancing Image Quality in Acoustic Imaging Using the Segment Anything Model (SAM)	Yankun Lang	Auditorium	0.25		
10:30	11:00		Coffee Break/Vendors (Silver Sponsor Presentation from RaySearch @ 10:50)		Lobby			
11:30	11:45	ECIS	Accounting for the Flash Region in Breast Radiotherapy: HU Optimization of Virtual Bolus and Impact of Brass Mesh on Skin For VMAT	Julianna Pontoriero	Auditorium	0.25		
11:45	12:00	ECIS	Improving Dosimetric Accuracy in Radiopharmaceutical Therapy Through Anatomically Informed Tumor Modeling and Monte Carlo Simulation	Jared Baggett	Auditorium	0.25		
12:00	12:15	ECIS	Seven Histology-based 3D Models of the Renal Cortical Labyrinth for Use in Alpha-Radiopharmaceutical Therapy	Bonnie President	Auditorium	0.25		
12:15	12:30	ECIS	Integrated Real-Time 3D Imaging and Tracking of Catheters for Improved MRI-Guided Intervention	Jaykumar Patel	Auditorium	0.25		
12:30	12:45	ECIS	Direction Modulated Brachytherapy Tandem Applicators for Cervical Cancer: Treatment Planning Study with a Multi-Institutional Patient Cohort	Dylan Richeson	Auditorium	0.25		
12:45	13:00	ECIS	Impact of Radiomics Parameters and Clinical Integration on Prognostication in Head and Neck Squamous Cell Carcinoma: A Multicenter Study	Hajar Moradmand	Auditorium	0.25		
13:00	14:00		Lunch/Vendors		Lobby			
14:15	14:30		ECIS Award Ceremony		Auditorium			
14:30	17:00	Session 6: Research and Clinical Topics						
14:30	14:45	Research/Clinical	AFM Investigation of Proton FLASH Radiation Induced DNA Double Strand Breaks in Plasmid DNA	Dalong Pang	Auditorium	0.25		
14:45	15:00	Research/Clinical	LLM-Enabled Failure-Mode Classification and Severity Prediction in Radiation Oncology Incidents: A Single-Institution Study	Qiongge Li	Auditorium	0.25		
15:00	15:15	Research/Clinical	Challenges and opportunities in FLASH UHDR dosimetry for protons and electrons using plastic scintillators	Yannick Poirier	Auditorium	0.25		
15:15	15:30	Research/Clinical	Analysis of bladder filling impact on patient setup during proton therapy of prostate cancer patients	Anwasha Rout	Auditorium	0.25		
15:30	16:00		Coffee Break/Vendors		Lobby			
16:00	16:15	Research/Clinical	Treatment plan OARs LET dose verification using measured integral depth dose for proton therapy	Shreesh Padhy	Auditorium	0.25		
16:15	16:30	Research/Clinical	Development of a phone app for CyberKnife Daily QA	George Cernica	Auditorium	0.25		
16:30	16:45	Research/Clinical	Do we need a single or multiple CT density curves to treat all anatomical sites with proton therapy: Cupping effect?	Thomas Houser	Auditorium	0.25		
16:45	17:00	Research/Clinical	AI-Assisted Chart Checking: Automating Protocol Compliance and DVH Verification in Radiotherapy	Qiongge Li	Auditorium	0.25		
17:00	17:30	Practical	Tour: MGUH Radiation Oncology	Dalong Pang	Department			