

# INTERNATIONAL ADVANCED RADIOTHERAPY TECHNIQUES SYMPOSIUM

iART<sup>1st</sup>

## PRELIMINARY PROGRAMME

Endorsed by  
**ESTRO**

Endorsed by  
**ASTRO**  
AMERICAN SOCIETY FOR RADIATION ONCOLOGY



**iARTIST COURSE PROGRAMME**

Thursday, June 11, 2026 (13:00-18:00)

	ROOM A	ROOM B
	<b>Improvising with Neurons: Functional SRS Course</b>	<b>Improvising with Particles: Particle Beam Therapy, FLASH RT and SFRT Course</b>
<b>13:00-13:05</b>	<b>Opening - Aim of the Course</b>	<b>Opening - Aim of the Course</b>
<b>13:05-13:55</b>	<b>Module 1:</b>	<b>Module 1:</b>
13:05-13:25	Functional Anatomy: Functional SRS 101	Proton Applications
13:25-13:45	OCD and Psychiatric Applications	Patient Selection: Choosing the Right Audience **
13:45-13:55	Hands on Practice: SRS for Anterior Capsulotomy	Hands on Practice: Proton vs. Photon Planning Challenge
<b>13:55-15:10</b>	<b>Module 2: Epilepsy Radiosurgery</b>	<b>Module 2: FLASH Radiotherapy</b>
13:55-14:25	Hands on Practice: Medically Refractory Non-Lesional Epilepsy	Hands on Practice: Simulating a FLASH Case-Bone Metastasis
14:25-14:45		
14:45-14:55	Discussion	Discussion
<b>14:55-15:10</b>	<b>Coffee Break</b>	
<b>15:10-16:00</b>	<b>Module 3: Essential Tremor and Movement Disorders</b>	<b>Module 3: SFRT Applications: LATTICE and GRID</b>
<b>15:10-15:40</b>	Hands on Practice: SRS for Thalamotomy	Hands on Practice: Lattice Planning Session
<b>15:40-16:00</b>	Discussion & Closing Remarks	Discussion & Closing Remarks

**iARTIST COURSE PROGRAMME**

Thursday, June 11, 2026 (13:00-18:00)

**ROOM C**

	<b>Improvising with Prescriptions: Side Effect &amp; Supportive Care Management</b>
<b>13:00-13:05</b>	<b>Opening - Aim of the Course</b>
<b>13:05-13:55</b>	<b>Panel 1</b>
13:05-13:25	The Challenge of Targeted Therapy–Radiotherapy Combinations: Balancing Power and Toxicity
13:25-13:45	Challenges in Radiotherapy–Immunotherapy Integration
13:45-13:55	Discussion
<b>13:55-15:10</b>	<b>Panel 2</b>
13:55-14:25	PENTEC–Pediatric Normal Tissue Effects in the Clinic
14:25-14:45	Balancing Cure and Risk: Secondary Cancer Prevention in Pediatric Radiotherapy
14:45-14:55	Discussion
<b>14:55-15:10</b>	<b>Coffee Break</b>
<b>15:10-16:00</b>	<b>Panel 3</b>
15:10-15:30	The Hidden Price of Hormone Therapy: Understanding the Long-Term Consequences
15:30-15:50	Radiotherapy and Intimacy: Confronting Treatment-Induced Sexual Dysfunction
15:50-16:00	Discussion
<b>16:00-16:50</b>	<b>Panel 4</b>
16:00-16:20	Contemporary Strategies for the Prevention and Management of Radiation Necrosis
16:20-16:40	Strategies to Mitigate and Monitor Radiation-Induced Cardiac Toxicity
16:40-16:50	Discussion
<b>16:50-17:50</b>	<b>Panel 5</b>
16:50-17:10	Nutritional Strategies to Enhance Oncologic Treatment Outcomes
17:10-17:30	Are Skin Reactions Still a Challenge in the Era of New Technology?
17:30-17:40	Artificial Intelligence–Based Models for Personalized Radiotherapy and Toxicity Risk Assessment
17:40-17:50	Discussion
<b>17:50-18:00</b>	<b>General Evaluation and Closing</b>

**iARTIST SCIENTIFIC PROGRAMME DAY 1**

**Friday, June 12, 2026 (08:00-17:00)**

	ROOM A	ROOM B
<b>08:15-08:30</b>	<b>Opening Ceremony</b>	
<b>08:30-09:20</b>	<b>PANEL 1: ART in OLIGOMETASTATIC DISEASE</b>	<b>PANEL 2: AI in ART (Advanced RT)</b>
<b>08:30-08:45</b>	Defining OMD: Extreme Cases	Missing Piece in Advanced Radiotherapy: Automation at Workflow Steps
<b>08:45-09:00</b>	Imaging and Biomarkers for OMD	Generative Adversarial and Diffusion Network Models of Treatment Image Modalities Synthesization
<b>09:00-09:15</b>	One vs Five Fractions? /How to Choose Patients?	Advancements of Deep Learning Reconstruction for Plannable CBCT (Polyquant CBCT Reconstruction)
<b>09:15-09:20</b>	Discussion	Discussion
<b>09:20-09:50</b>	<b>KEYNOTE LECTURE SESSION: DILEMMA OF INNOVATION IN RADIOTHERAPY: LIBERATION OR LIMITATION</b>	
<b>09:50-10:00</b>	Discussion	
<b>10:00-10:20</b>	<b>Coffee Break</b>	
<b>10:20-11:00</b>	<b>Industry Symposium</b>	
<b>11:00-11:50</b>	<b>PANEL 3: ART in CNS &amp; SPINE</b>	<b>NAVIGATING COMPLEXITY: BREAKTHROUGH CASE SOLUTION</b>
<b>11:00-11:15</b>	Integrating Gyroscopes into Brain and Spine SRS: A New Era	Pancreatic Cancer: Hypofractionated RT or SBRT - What is the Evidence ?
<b>11:15-11:30</b>	Spine SBRT: Dangerously Close	Lung Cancer: SBRT in Ultra Central Lung Tumors: Can it be Toxic ?
<b>11:30-11:45</b>	Targeting All: The Single-Isocenter Era in Brain Metastasis Radiosurgery	SRS in Brain Stem Metastases
<b>11:45-11:50</b>	Discussion	Discussion
<b>11:50-12:30</b>	<b>Industry Symposium</b>	
<b>12:30-13:30</b>	<b>Lunch Break</b>	
<b>13:30-14:20</b>	<b>PANEL 4: ART (Adaptive RT) in ART (Advanced RT)</b>	<b>ORAL PRESENTATIONS SESSION 1</b>
<b>13:30-13:45</b>	To Adapt or Not to Adapt: Which Patients Benefit Most?	OP1-OP2
<b>13:45-14:00</b>	Simulation Free Online Adaptive Radiation Therapy	OP3-OP4
<b>14:00-14:15</b>	CBCT vs MR Guided Online Adaptive Radiotherapy: Advantages and Pitfalls	OP5-OP6
<b>14:15-14:20</b>	Discussion	Discussion
<b>14:20-15:00</b>	<b>Industry Symposium</b>	
<b>15:00-15:20</b>	<b>Coffee Break</b>	

**iARTIST SCIENTIFIC PROGRAMME DAY 1**

**Friday, June 12, 2026 (08:00-17:00)**

		ROOM A	ROOM B
<b>15:00-15:20</b>	<b>Coffee Break</b>		
<b>15:20-16:10</b>	<b>PANEL 5: REIRRADIATION: RISK AND OUTCOMES</b>		<b>PANEL 6: DOSE SCULPTING IN BREAST CANCER: ESCALATION, DE-ESCALATION AND EVERYTHING IN BETWEEN</b>
<b>15:20-15:35</b>	Beyond Technology: Patient Selection		Breathing in Precision: Surface-Guided Radiotherapy and the New Era of Motion Management in Breast Cancer
<b>15:35-15:50</b>	Dose Accumulation: Beyond BED		Personalizing the Beam: How Proton Affect our Practice?
<b>15:50-16:05</b>	Reirradiation in Head and Neck		How Fractionation Changes our Practice?
<b>16:05-16:10</b>	Discussion		Discussion
<b>16:10-17:10</b>	<b>INTERACTIVE PANEL: GLOBAL DISPARITIES IN RADIOTHERAPY</b>		
	ESTRO, ASTRO, RTOG, EORTC, JASTRO, AAMSTRO, TROD ve Healthcare Providers		

**iARTIST SCIENTIFIC PROGRAMME DAY 2**

**Saturday, June 13, 2026 (08:30-17:45)**

	ROOM A	ROOM B	
<b>08:30-09:20</b>	<b>TUMOR BOARD 1: FRACTIONATION, REIRRADIATION AND ADAPTIVE CASE, WHICH PLATFORM OR TECHNIQUES TO CHOOSE?</b>	<b>PANEL 7: LUNG CANCER</b>	
<b>08:30-08:45</b>	Case Presentation-1 - Prostate	<b>08:30-08:45</b>	Radiotherapy in Immunotherapy Era: New Constraints, New Strategies
<b>08:45-08:55</b>	Discussion	<b>08:45-09:00</b>	A Timeless challenge: Dose, Fractionation and Lung Constraints in Interstitial Lung Disease
<b>08:55-09:10</b>	Case Presentation-2 - Breast	<b>09:00-09:15</b>	A New Technology: Integration of 4D Motion Management with MR-Guided and Adaptive Radiotherapy
<b>09:10-09:20</b>	Discussion	<b>09:15-09:20</b>	Discussion
<b>09:20-10:05</b>	<b>DEBATE: DO WE OVERTREAT OMS?</b>		
<b>09:20-09:35</b>	<b>Pro</b>		
<b>09:35-09:50</b>	<b>Con</b>		
<b>09:50-10:05</b>	Rebuttal and QA		
<b>10:05-10:20</b>	<b>Coffee Break</b>		
<b>10:20-11:00</b>	<b>Industry Symposium</b>		
<b>11:00-12:00</b>	<b>PANEL 8: SGRT/VISION-RT</b>	<b>TUMOR BOARD 2:</b>	
<b>11:00-11:15</b>	Surface: Is it a Good Surrogate for Tumor Motion?	<b>11:00-11:15</b>	Case Presentation 1: SCLC - Approach to CNS
<b>11:15-11:30</b>	Polyquant CT Reconstruction for RT	<b>11:15-11:25</b>	Discussion
<b>11:30-11:45</b>	New Paradigms Beyond Margins: Do we Need PTV Margin?	<b>11:25-11:40</b>	Case Presentation 2: NSCLC Multiple Brain Mets
<b>11:45-12:00</b>	Discussion	<b>11:40-11:50</b>	Discussion
<b>12:00-12:40</b>	<b>Industry Symposium</b>		
<b>12:40-13:30</b>	<b>Lunch Break</b>		
<b>13:30-14:20</b>	<b>PANEL 9: ADVANCES IN PROTON THERAPY</b>	<b>ORAL PRESENTATIONS SESSION 2</b>	
<b>13:30-13:45</b>	Tracing the Path: Milestones in Proton Therapy	OP7-OP8	
<b>13:45-14:00</b>	Protons Reinvented: New Horizons in Precision	OP9-OP10	
<b>14:00-14:15</b>	Enhancing Access to Proton Therapy: Upright Treatment Approach	OP11-OP12	
<b>14:15-14:20</b>	Discussion	Discussion	

**iARTIST SCIENTIFIC PROGRAMME DAY 2**

**Saturday, June 13, 2026 (08:30-17:45)**

	ROOM A	ROOM B
<b>14:20-15:00</b>	<b>Industry Symposium</b>	
<b>15:00-15:40</b>	<b>KEYNOTE LECTURE SESSION: TOXICITY AND PUBLIC FEAR</b>	
<b>15:40-16:00</b>		<b>Coffee Break</b>
<b>16:00-16:50</b>	<b>PANEL 10: HYPOFRACTIONATION IN PROSTAT CANCER: LESS IS MORE?</b>	<b>PANEL 11: IMMUNORADIOThERAPY: BENCH TO BEDSIDE</b>
<b>16:00-16:15</b>	Hypofractionation and Ultra Hypofractionation: Clinical Implementation and Patient Management	
<b>16:15-16:30</b>	Beyond the Current Concept: Extreme Hypofractionation	
<b>16:30-16:45</b>	Salvage SBRT for Intraprostatic Recurrence with Focus on Proton Therapy	
<b>16:45-16:50</b>	Discussion	
<b>16:50-17:30</b>	<b>IAEA SYMPOSIUM-RAYS OF HOPE-THEMATIC KICK-OFF STATEMENT</b>	<b>PANEL 12: ADVANCES IN SPECTRAL X-RAY IMAGING FOR RADIOTHERAPY</b>
<b>16:50-16:55</b>	Opening Remarks – Brief Introduction of the Topic and Participants	<b>16:50-17:00</b> Applications of Dual Energy CT in Photon and Particle Therapy
<b>16:55-17:00</b>	IAEA Rays of Hope and its Impact: Bridging the Radiotherapy Gap	<b>17:00-17:10</b> Photon Counting CT for Radiotherapy
<b>17:00-17:05</b>	The Impact of IAEA Collaborative Centers on the Quality of Radiotherapy Globally	<b>17:10-17:20</b> Developments in Spectral X-Ray Imaging for Next Generation CBCT
<b>17:05-17:10</b>	Anchor Centers as IAEA Hubs to Enhance the Capacity of Global Radiotherapy	<b>17:20-17:25</b> Discussion
<b>17:10-17:25</b>	Round Table Discussion	
<b>17:25-17:30</b>	Closing Remarks	



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