

# INTERNATIONAL ADVANCED RADIOTHERAPY TECHNIQUES SYMPOSIUM

# iART<sup>1</sup>st

## SCIENTIFIC PROGRAMME

Endorsed by  
**ESTRO**

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**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>Next Frontiers of Radiation Oncology: Protons, FLASH, and Spatially Fractionated Therapy</b>
<b>13:00–13:05</b>	<b>Opening – Aim of the Course</b>	<b>13:00–13:05</b>	<b>Opening Remarks: Aim of the Course</b>
<b>13:05–13:55</b>	<b>Module 1:</b>	<b>13:05–14:15</b>	<b>Module 1: Proton Therapy</b>
13:05–13:25	Functional Anatomy: Functional SRS 101	13:05–13:25	Building a New Proton Center— (What are Options to Build a New Center, What does It Take?)
13:25–13:45	OCD and Psychiatric Applications	13:25–13:45	How Protons Plans are Actually Built: Robustness, Range, Uncertainty, Passive vs pencil beam, IMPT vs PAT Proton Arc Therapy/PMAT—LET Considerations
13:45–13:55	Hands on Practice: SRS for Anterior Capsulotomy	13:45–14:05	Hands on Practice: Proton vs Photon Planning
<b>13:55–15:10</b>	<b>Module 2: Epilepsy Radiosurgery</b>	14:05–14:15	Moderated Discussion –(How do We Actually Deliver These Beams Safely and Intelligently?)
13:55–14:25	Hands on Practice: Medically Refractory Non-Lesional Epilepsy	<b>14:15–14:45</b>	<b>Module 2: FLASH Radiotherapy</b>
14:25–14:45		14:15–14:35	Clinical Translation of FLASH Radiotherapy: Why and How?
14:45–14:55	Discussion	14:35–14:45	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>15:00–16:00</b>	<b>Module 3: SFRT Applications: GRID, Lattice, Radscopal</b>
15:10–16:00	Hands on Practice: SRS for Thalamotomy	15:00–15:20	Overview of SFRT (GRID and LATTICE)
16:00–16:10	Discussion & Closing Remarks	15:20–15:40	Scheduling of Radscopal™ Effect in the Clinic
		15:40–16:00	Hands on Practice: Lattice Planning Session
		16:00–16:10	Discussion & Closing Remarks

**iARTIST COURSE PROGRAMME**  
**Thursday, June 11, 2026 (13:00–18:00)**

**ROOM C**

**Improvising with Radiotherapy: Side Effect Management & Supportive Care**

**Directors: Didem Çolpan Öksüz, Fulya Ağaoğlu**

**13:00–13:05**

**Opening – Aim of the Course**

**Fulya Ağaoğlu, Didem Çolpan Öksüz**

**13:05–13:55**

**Panel 1**

**Moderators: Yılmaz Tezcan, Fazilet Öner Dinçbaş**

13:05–13:25

The Challenge of Targeted Therapy–Radiotherapy Combinations: Balancing Power and Toxicity

Sumerya Duru Birgi

13:25–13:45

Challenges in Radiotherapy–Immunotherapy Integration

Fatma Sert

13:45–13:55

Discussion

**13:55–15:10**

**Panel 2**

**Moderators: Beste Atasoy, Melis Gültekin**

13:55–14:25

Lessons Learned from PENTEC and Paths Forward

Louis S. Constine

14:25–14:45

Sustained Lifelong Care for Childhood Cancer Survivors

Yavuz Anacak

14:45–14:55

Discussion

**14:55–15:10**

**Coffee Break**

**15:10–16:00**

**Panel 3**

**Moderators: Senem Alanyalı, Rıza Çetingöz**

15:10–15:30

The Hidden Price of Hormone Therapy: Understanding the Long–Term Consequences

Züleyha Akgün

15:30–15:50

Radiotherapy–Induced Sexual and Gastrointestinal Toxicities: Implications and Clinical Management

Merdan Fayda

15:50–16:00

Discussion

**16:00–16:50**

**Panel 4**

**Moderators: Mert Saynak, Yıldız Güney**

16:00–16:20

Contemporary Strategies for the Prevention and Management of Radiation Necrosis

Evrin Tezcanlı

16:20–16:40

The Silent Struggle: Psychological Distress Across the Cancer Journey

Eda Erdiş

16:40–16:50

Discussion

**16:50–17:50**

**Panel 5**

**Moderators: Şule Karabulut Gül, Murat Çalaglu, Durmuş Etiz**

16:50–17:10

Nutritional Strategies to Enhance Oncologic Treatment Outcomes

Berna Akkuş Yıldırım

17:10–17:25

Are Skin Reactions Still a Challenge in the Era of New Technology?

Serap Yücel

17:25–17:40

Artificial Intelligence–Based Models for Personalized Radiotherapy and Toxicity Risk Assessment

Bilge Gürsel

17:40–17:50

Discussion

**17:50–18:00**

**General Evaluation and Closing**

**Moderators: Fulya Ağaoğlu , Didem Çolpan Öksüz**

**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>Moderators: Kevin Franks, Serdar Özkök</b>	<b>08:30–09:20</b>	<b>PANEL 2: AI IN ART (Advanced RT)</b>	<b>Moderators: Ben George, Görkem Güngör</b>
08:30–08:45	Defining OMD: Extreme Cases	Drew Moghanaki	08:30–08:45	Missing Piece in Advanced Radiotherapy: Automation at Workflow Steps	Ghada Aldosary
08:45–09:00	Imaging and Biomarkers for OMD	Luca Boldrini	08:45–09:00	Generative Adversarial and Diffusion Network Models of Treatment Image Modalities Synthesization	Davide Cusumano
09:00–09:15	One or More: How to Choose Patients & Fractionation?	Ugur Selek	09:00–09:15	Integrating AI into X-ray Imaging for Enhanced Radiotherapy	Xiaofeng Yang (online)
09:15–09:20	Discussion		09:15–09:20	Discussion	
<b>09:20–09:50</b>	<b>KEYNOTE LECTURE SESSION: DILEMMA OF INNOVATION IN RADIOTHERAPY: LIBERATION OR LIMITATION</b>	<b>Moderators: Mehmet Şen, Şefik İğdem</b> <b>Speaker: Matthias Guckenberger</b>			
09:50–10:00	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>Moderators: Tuleasca Constatin, Vildan Kaya</b>	<b>11:00–11:50</b>	<b>PANEL 4: ART (Adaptive RT) IN ART (Advanced RT)</b>	<b>Moderators: James Good, Nadir Küçük</b>
11:00–11:15	Preoperative vs Postoperative SRS for Brain Metastases: Who Truly Wins the Battle?	Scott Soltys	11:00–11:15	To Adapt or not to Adapt: Which Patients Benefit Most?	Luca Boldrini
11:15–11:30	Spine SBRT: Dangerously Close	Iris Gibbs	11:15–11:30	Simulation Free Online Adaptive Radiation Therapy	Ben George
11:30–11:45	Targeting All: The Single-Isocenter Era in Brain Metastasis Radiosurgery	Evan Thomas	11:30–11:45	CBCT vs MR Guided Online Adaptive Radiotherapy: Advantages and Pitfalls	Cihan Gani
11:45–11:50	Discussion		11:45–11:50	Discussion	
<b>11:50–12:30</b>	<b>Industry Symposium</b>				
<b>12:30–13:30</b>	<b>Lunch Break</b>				

**iARTIST SCIENTIFIC PROGRAMME DAY 1**  
Friday, June 12, 2026 (08:00–17:00)

ROOM A			ROOM B		
<b>13:30–14:20</b>	<b>PANEL 5: REIRRADIATION: RISK AND OUTCOMES</b>	<b>Moderators: Mustafa Cengiz, Louis Constine</b>	<b>13:30–14:20</b>	<b>PANEL 6: DOSE SCULPTING IN BREAST CANCER: ESCALATION, DE-ESCALATION AND EVERYTHING IN BETWEEN</b>	<b>Moderators: Ilknur Gorken, Didem Colpan Oksuz</b>
13:30–13:45	Beyond Technology: Patient Selection	Matthias Guckenberger	13:30–13:45	Breathing in Precision: Surface-Guided Radiotherapy and the New Era of Motion Management in Breast Cancer	Ivica Ratosa
13:45–14:00	Reirradiation in Head and Neck	Chris Nutting	13:45–14:00	Personalizing the Beam: How do Proton Affect Our Practice?	Anna Kirby
14:00–14:15	Dose Accumulation: Beyond BED	Cemile Ceylan	14:00–14:15	How Fractionation Changes Our Practice?	Sofia Riviera
14:15–14:20	Discussion		14:15–14:20	Discussion	
<b>14:20–15:00</b>	<b>Industry Symposium</b>				
<b>15:00–15:20</b>	<b>Coffee Break</b>				
<b>15:20–16:10</b>	<b>NAVIGATING COMPLEXITY: BREAKTHROUGH CASE SOLUTION</b>	<b>Moderators: James Welsh, Evan Thomas</b>	<b>15:20–16:10</b>	<b>ORAL PRESENTATIONS SESSION 1</b>	<b>Moderator:</b>
15:20–15:35	Post Operative SBRT in Prostate Cancer	Mohamed Shelan	15:20–15:35	OPI–OP2	TBA
15:35–15:50	Lung Cancer: SBRT in Ultra Central Lung Tumors: Can It be Toxic?	Kevin Franks	15:35–15:50	OP3–OP4	TBA
15:50–16:05	SRS in Brain Stem Metastases	Scott Soltys	15:50–16:05	OP5–OP6	TBA
16:05–16:10	Discussion		16:05–16:10	Discussion	
<b>16:10–17:00</b>	<b>INTERACTIVE PANEL: GLOBAL DISPARITIES IN RADIOTHERAPY</b>	<b>Moderators: Banu Atalar, Siddharta Laskar</b>	<b>16:10 – 17:00</b>	<b>PANEL 7 : ADVANCES IN SPECTRAL X-RAY IMAGING FOR RADIOTHERAPY</b>	<b>Moderators: Ghada Aldosary, Oguzhan Ayrancioglu</b>
	Matthias Guckenberger, Brian Kawanagh, Thomas Mackie, Mehmet Sen, Nadeem Pervez, Tomoaki Tamaki, Yavuz Anacak		16:10–16:25	Applications of Dual Energy CT in Photon and Particle Therapy	Kevin Teo (online)
			16:25–16:40	Photon Counting CT for Radiotherapy	Adam Wang (online)
			16:40–16:55	Developments in Spectral X-Ray Imaging for Next Generation CBCT	Cem Altunbaş
			16:55–17:00	Discussion	

**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>Moderators: Piet Ost, Ferah Yildiz</b>	<b>08:30–09:20</b>	<b>PANEL 8: ART in TOXICITY MANAGEMENT: NEW ERA, NEW CONCEPTS</b>	<b>Moderators: Billy W. Loo, Serap Akyürek</b>
08:30–08:45	Case Presentation-1 - Prostate	Pervin Hurmuz	08:30–08:45	The Urethra Dilemma: to Spare or not to Spare?	Cem Onal
08:45–08:55	Discussion	Gökhan Özyiğit, Flippo Alongi, TBA	08:45–09:00	A Timeless Challenge: Dose, Fractionation and Lung Constraints in Interstitial Lung Disease	Ben Slotman
08:55–09:10	Case Presentation-2 - Breast	Ozan Cem Güler	09:00–09:15	Pancreas & Liver SBRT: Is There a No-Fly Zone in Upper GI Radiotherapy	Michael Lock
09:10–09:20	Discussion	Yasemin Bolukbası, Ivica Ratosca, Sofia Riviera	09:15–09:20	Discussion	
<b>09:20–10:00</b>	<b>DEBATE: DO WE OVERTREAT OMS?</b>	<b>Moderators: Ben Slotman, Banu Atalar</b>			
09:20–09:35	Pro	Brian Kavanagh			
09:35–09:50	Con	Drew Moghanaki			
09:50–10:00	Rebuttal and QA				
<b>10:00–10:20</b>	<b>Coffee Break</b>				
<b>10:20–11:00</b>	<b>Industry Symposium</b>				
<b>11:00–12:00</b>	<b>PANEL 9: CLINICAL IMPROVEMENTS THROUGH TECHNICAL ADVANCEMENTS IN SGRT</b>	<b>Moderator: TBA</b>	<b>11:00–11:50</b>	<b>TUMOR BOARD 2: APPROACHING LUNG CANCER BRAIN METASTASES</b>	<b>Moderators: Iris Gibbs, Kaan Oysul</b>
11:00–11:15	How SGRT has Enabled Advancement of Research Based Clinical Practice?	Josh Naylor	11:00–11:15	Case Presentation 1: SCLC - Approach to CNS	Melek Tuğçe Yılmaz
11:15–11:30	Latest Clinical Experience with Dose RT and Beam Guide	Florian Stieler	11:15–11:25	Discussion	Scott Soltys, Ufuk Abacioglu, Serra Kamer
11:30–11:45	Redefining Treatments with Surface Guided Planning	TBA	11:25–11:40	Case Presentation 2: NSCLC Multiple Brain Mets	Nilüfer Kılıç Durankuş
11:45–12:00	Why SGRT Matters - Panel Discussion	All	11:40–11:50	Discussion	Brian Kavanagh, Hale Caglar, Andrey Golanov
<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 10: ADVANCES IN PROTON THERAPY</b>	<b>Moderators: Barbara Jerezek, Majid Mouiddin</b>	<b>13:30–14:20</b>	<b>PANEL 11: STROMAL DETERMINANTS of IMMUNE REACTIVITY FOLLOWING RADIATION THERAPY</b>	<b>Moderator: James Welsh</b>
13:30–13:45	Tracing the Path: Milestones in Proton Therapy	Frank Lohr	13:30–13:45	The Structural Landscape of the Tumor Stroma: from Architecture to Function	Duygu Sezen
13:45–14:00	Protons Reinvented: New Horizons in Precision	Billy W. Loo	13:45–14:00	Targeting the Stroma: Current Clinical Paradigms and Challenges	James Welsh
14:00–14:15	Enhancing Access to Proton Therapy: Upright Treatment Approach	Thomas R. Mackie	14:00–14:15	Nanomechanical Signatures: A New Frontier in Predicting Patient Outcomes	Marija Plodinec
14:15–14:20	Discussion		14:15–14:20	Discussion	

**iARTIST SCIENTIFIC PROGRAMME DAY 2**  
**Saturday, June 13, 2026 (08:30–17:45)**

ROOM A		ROOM B			
14:20–15:00	<b>Industry Symposium</b>				
15:00–15:30	<b>KEYNOTE LECTURE SESSION: TOXICITY AND PUBLIC FEAR</b>	<b>Moderator: Iris Gibbs</b> <b>Speaker: Drew Moghanaki</b>			
15:30–15:40	Discussion				
15:40–16:00	<b>Coffee Break</b>				
16:00–16:50	<b>PANEL 12: HYPOFRACTIONATION IN PROSTAT CANCER: LESS IS MORE?</b>	<b>Moderators: Petek Erpolat, Mohamed Shelan</b>	16:00–16:50	<b>ORAL PRESENTATIONS SESSION 2</b>	<b>Moderator: TBA</b>
16:00–16:15	Hypofractionation and Ultra Hypofractionation: Clinical Implementation and Patient Management	Piet Ost	16:00–16:15	OP7–OP8	TBA
16:15–16:30	Adaptive Extreme Hypofractionation: State of Art and Future Perspectives	Flippo Alongi	16:15–16:30	OP9–OP10	TBA
16:30–16:45	Salvage SBRT for Intraprostatic Recurrence with Focus on Proton Therapy	Barbara Jerezcek Fossa	16:30–16:45	OP11–OP12	TBA
16:45–16:50	Discussion				
16:50–17:40	<b>IAEA SYMPOSIUM–RAYS OF HOPE–THEMATIC KICK–OFF STATEMENT</b>	<b>Moderators: Yavuz Anacak, Sofia Riviera</b>	16:50–17:40	<b>PANEL 13: WHAT IS NEW FOR GI CANCERS?</b>	<b>Moderators: Majid Mohiuddin, Nergiz Dagoglu Sakin</b>
16:50–16:55	Opening Remarks – Brief Introduction of the Topic and Participants	Yavuz Anacak	16:50–17:05	Pancreatic Cancer: Hypofractionated RT or SBRT – What is the Evidence ?	James Good
16:55–17:05	IAEA Rays of Hope and Its Impact: Bridging the Radiotherapy Gap	Tomoaki Tamaki	17:05–17:20	Invasive Ablative Methods vs SBRT for Liver Metastasis	Michael Lock
17:05–17:15	The Impact of IAEA Collaborative Centers on the Quality of Radiotherapy Globally	TBA	17:20–17:35	Organ Preservation in Rectal Cancer: How High Tech can Help?	Cihan Gani
17:15–17:25	Anchor Centers as IAEA Hubs to Enhance the Capacity of Global Radiotherapy	Siddharta Laskar	17:35–17:40	Discussion	
17:25–17:40	Round Table Discussion				
17:40–17:50	<b>CLOSING REMARKS</b>				



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