

# INTERNATIONAL ADVANCED RADIOTHERAPY TECHNIQUES SYMPOSIUM

# iART<sup>1</sup>st

## SCIENTIFIC 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>iARTIST Functional Radiosurgery Course</b>	<b>Directors: Evan Thomas, Tuleasca Constantin</b>		<b>Next Frontiers of Radiation Oncology: Protons, FLASH, and Spatially Fractionated Therapy</b>	<b>Directors: Majid Muhiddin Enis Özyar</b>
<b>13:00–13:10</b>	<b>Welcome &amp; Course Overview</b>	<b>Banu Atalar, Evan Thomas, Tuleasca Constantin</b>	<b>13:00–13:05</b>	<b>Opening Remarks: Aim of the Course</b>	<b>Enis Özyar Majid Mohiuddin</b>
13:10–13:30	History of Functional Radiosurgery	Tuleasca Constantin	<b>13:05–14:15</b>	<b>Module 1: Proton Therapy</b>	
13:30–13:50	Trigeminal Neuralgia	Tuleasca Constantin	13:05–13:25	Building a New Proton Center— (What are Options to Build a New Center, What does It Take?)	Siddharta Laskar
13:50–14:10	Thalamotomy for Pain	Scott Soltys	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	Alejandro Carabe
14:10–14:30	Radiosurgical Hypophysectomy for Cancer Pain	Iris Gibbs	13:45–14:05	Hands on Practice: Proton vs Photon Planning	TBA
14:30–14:50	Spinal Radiosurgery Dorsal Rhizotomy	Evan Thomas	14:05–14:15	Moderated Discussion –(How do We Actually Deliver These Beams Safely and Intelligently?)	Majid Muhiddin, Enis Özyar
14:50–15:00	Discussion	All faculty	<b>14:15–14:45</b>	<b>Module 2: FLASH Radiotherapy</b>	
<b>15:00–15:15</b>	<b>Coffee Break</b>		14:15–14:35	Clinical Translation of FLASH Radiotherapy: Why and How?	Mahmut Ozsahin
15:15–15:35	SRS for Tremor / Parkinson Disease	Scott Soltys	14:35–14:45	Discussion	Majid Muhiddin, Enis Özyar
15:35–15:55	OCD & Other Psychiatric Disorders	Kaan Oysul	<b>14:45–15:00</b>	<b>Coffee Break</b>	
15:55–16:10	Epilepsy	Iris Gibbs	<b>15:00–16:00</b>	<b>Module 3: SFRT Applications: GRID, Lattice, Radscopal</b>	
16:10–16:25	Discussion	All faculty	15:00–15:20	Overview of SFRT (GRID and LATTICE)	Majid Mohiuddin
16:25–16:45	Small Target Dosimetry & QA Considerations	TBA	15:20–15:40	Scheduling of Radscopal™ Effect in the Clinic	James Welsh
16:45–17:05	Treatment Planning Workshop	TBA	15:40–16:00	Hands on Practice: Lattice Planning Session	Yagiz Yedekci
17:05–17:25	Treatment Planning Workshop	TBA	16:00–16:10	Discussion & Closing Remarks	Enis Özyar
17:25–17:35	Closing Remarks	Evan Thomas, Tuleasca Constantin			

**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: Yıldız Güney, Emine Uzun Canyılmaz**

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>08:00–08:15</b>	<b>Opening Ceremony</b>				
<b>08:15–09:10</b>	<b>PANEL 1: ART in OLIGOMETASTATIC DISEASE</b>	<b>Moderators: Kevin Franks, Sedat Turkan</b>	<b>08:15–09:10</b>	<b>PANEL 2: AI IN ART (Advanced RT)</b>	<b>Moderators: Ben George, Görkem Güngör</b>
08:15–08:30	Defining OMD: Extreme Cases	Drew Moghanaki	08:15–08:30	Missing Piece in Advanced Radiotherapy: Automation at Workflow Steps	Ghada Aldosary
08:30–08:45	Imaging and Biomarkers for OMD	Luca Boldrini	08:30–08:45	Generative Adversarial and Diffusion Network Models of Treatment Image Modalities Synthesization	Davide Cusumano
08:45–09:00	One or More: How to Choose Patients & Fractionation?	Ugur Selek	08:45–09:00	Integrating AI into X-ray Imaging for Enhanced Radiotherapy	Xiaofeng Yang 
09:00–09:10	Discussion		09:00–09:10	Discussion	
<b>09:10–09:35</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>			
09:35–09:45	Discussion				
<b>09:45–10:00</b>	<b>Coffee Break</b>				
<b>10:00–10:40</b>	<b>Industry Symposium – 1</b>				
<b>10:40–11:35</b>	<b>PANEL 3: ART IN CNS &amp; SPINE</b>	<b>Moderators: Constantin Tuleasca, Kaan Oysul</b>	<b>10:40–11:35</b>	<b>PANEL 4: ART (Adaptive RT) IN ART (Advanced RT)</b>	<b>Moderators: James Good, Nadir Küçük</b>
10:40–10:55	Preoperative vs Postoperative SRS for Brain Metastases: Who Truly Wins the Battle?	Scott Soltys	10:40–10:55	To Adapt or not to Adapt: Which Patients Benefit Most?	Luca Boldrini
10:55–11:10	Spine SBRT: Dangerously Close	Iris Gibbs	10:55–11:10	Simulation Free Online Adaptive Radiation Therapy	Ben George
11:10–11:25	Targeting All: The Single-Isocenter Era in Brain Metastasis Radiosurgery	Evan Thomas	11:10–11:25	CBCT vs MR Guided Online Adaptive Radiotherapy: Advantages and Pitfalls	Cihan Gani
11:25–11:35	Discussion		11:25–11:35	Discussion	
<b>11:35–12:15</b>	<b>Industry Symposium – 2</b>				
<b>12:15–13:15</b>	<b>Lunch Break</b>				

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


ROOM A			ROOM B		
<b>13:15–14:10</b>	<b>PANEL 5: REIRRADIATION: RISK AND OUTCOMES</b>	<b>Moderators: Mustafa Cengiz, Louis Constine</b>	<b>13:15–14:10</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>
13:15–13:30	Beyond Technology: Patient Selection	Matthias Guckenberger	13:15–13:30	Breathing in Precision: Surface-Guided Radiotherapy and the New Era of Motion Management in Breast Cancer	Ivica Ratosa
13:30–13:45	Reirradiation in Head and Neck	Chris Nutting	13:30–13:45	Personalizing the Beam: How do Proton Affect Our Practice?	Anna Kirby
13:45–14:00	Dose Accumulation: Beyond BED	Cemile Ceylan	13:45–14:00	How Fractionation Changes Our Practice?	Rivera
14:00–14:10	Discussion		14:00–14:10	Discussion	
<b>14:10–14:50</b>	<b>Industry Symposium – 3</b>				
<b>14:50–15:05</b>	<b>Coffee Break</b>				
<b>15:05–16:00</b>	<b>NAVIGATING COMPLEXITY: BREAKTHROUGH CASE SOLUTION</b>	<b>Moderators: James Welsh, Evan Thomas</b>	<b>15:05–16:00</b>	<b>ORAL PRESENTATIONS SESSION 1</b>	<b>Moderator:</b>
15:05–15:20	Post Operative SBRT in Prostate Cancer	Mohamed Shelan	15:05–15:20	OPI-OP2-OP3	TBA
15:20–15:35	Lung Cancer: SBRT in UltraCentral Lung Tumors: Can It be Toxic?	Kevin Franks	15:20–15:35	OP4-OP5-OP6	TBA
15:35–15:50	SRS in Brain Stem Metastases	Scott Soltys	15:35–15:50	OP7-OP8-OP9	TBA
15:50–16:00	Discussion		15:50–16:00	Discussion	
<b>16:00–16:40</b>	<b>Industry Symposium – 4</b>				
<b>16:40–17:15</b>	<b>INTERACTIVE PANEL: GLOBAL DISPARITIES IN RADIOTHERAPY</b>	<b>Moderators: Banu Atalar, Siddharta Laskar</b>	<b>16:40–17:20</b>	<b>PANEL 7 : ADVANCES IN SPECTRAL X-RAY IMAGING FOR RADIOTHERAPY</b>	<b>Moderators: Ghada Aldosary, Oguzhan Ayrancioglu</b>
	Matthias Guckenberger, Thomas Mackie, Mehmet Sen, Nadeem Pervez, Tomoaki Tamaki, Yavuz Anacak		16:40–16:50	Applications of Dual Energy CT in Photon and Particle Therapy	Kevin Teo 
			16:50–17:00	Photon Counting CT for Radiotherapy	Adam Wang 
			17:00–17:10	Developments in Spectral X-Ray Imaging for Next Generation CBCT	Cem Altunbaş
			17:10–17:20	Discussion	

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

ROOM A		ROOM B			
<b>08:00-08:50</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>08:00-08:50</b>	<b>PANEL 8: ART in TOXICITY MANAGEMENT: NEW ERA, NEW CONCEPTS</b>	<b>Moderators: Billy W. Loo, Serap Akyürek</b>
08:00-08:25	Case Presentation-1 - Prostate	Pervin Hurmuz	08:00-08:15	The Urethra Dilemma: to Spare or not to Spare?	Cem Onal
	Discussion	Gökhan Özyiğit, Mohamed Shelan, TBA	08:15-08:30	A Timeless Challenge: Dose, Fractionation and Lung Constraints in Interstitial Lung Disease	Ben Slotman
08:25-08:50	Case Presentation-2 - Breast	Ozan Cem Güler	08:30-08:45	Pancreas & Liver SBRT: Is There a No-Fly Zone in Upper GI Radiotherapy	Michael Lock
	Discussion	Yasemin Atagun, Ivica Ratoso, Rivera	08:45-08:50	Discussion	
<b>08:50-09:40</b>	<b>DEBATE: DO WE OVERTREAT OLIGOMETASTASES?</b>	<b>Moderator: Ben Slotman, Banu Atalar</b>			
08:50-09:05	No, we don't!	Flippo Alongi			
09:05-09:20	Yes, we do!	Drew Moghanaki			
09:20-09:25	Rebuttal No	Flippo Alongi			
09:25-09:30	Rebuttal Yes	Drew Moghanaki			
09:30-09:40	QA				
<b>09:40-10:00</b>	<b>Coffee Break</b>				
<b>10:00-10:40</b>	<b>Industry Symposium - 5</b>				
<b>10:40-11:30</b>	<b>PANEL 9: CLINICAL IMPROVEMENTS THROUGH TECHNICAL ADVANCEMENTS IN SGRT</b>	<b>Moderator: TBA</b>	<b>10:40-11:30</b>	<b>ORAL PRESENTATIONS SESSION 2</b>	<b>Moderator: TBA, Kamuran Arslan Ibis</b>
10:40-10:55	How SGRT has Enabled Advancement of Research Based Clinical Practice?	Josh Naylor	10:40-11:55	OP10-OP11-OP12	TBA
10:55-11:10	Latest Clinical Experience with Dose RT and Beam Guide	Florian Stieler	11:55-11:10	OP13-OP14-OP15	TBA
11:10-11:25	Redefining Treatments with Surface Guided Planning	Hale Basak Caglar	11:10-11:25	OP16-OP17-OP18	TBA
11:25-11:30	Why SGRT Matters - Panel Discussion	All	11:25-11:30	Discussion	
<b>11:30-12:10</b>	<b>Industry Symposium - 6</b>				
<b>12:10-13:15</b>	<b>Lunch Break</b>				
<b>13:15-14:10</b>	<b>PANEL 10: ADVANCES IN PROTON THERAPY</b>	<b>Moderators: Barbara Jereczek, Majid Mouiddin</b>	<b>13:15-14:10</b>	<b>PANEL 11: STROMAL DETERMINANTS of IMMUNE REACTIVITY FOLLOWING RADIATION THERAPY</b>	<b>Moderators: Ömür Karakoyun Çelik, James Welsh</b>
13:15-13:30	Tracing the Path: The Future in Proton Therapy is Now!	Frank Lohr	13:15-13:30	Decoding the Microbiome: Shaping Response to Radiotherapy and Immunotherapy	Nergiz Dağoğlu Sakin
13:30-13:45	Protons Reinvented: New Horizons in Precision	Billy W. Loo	13:30-13:45	Overcoming Liver Metastasis-Driven Immune Suppression: A Radiotherapy Perspective	Duygu Sezen
13:45-14:00	Enhancing Access to Proton Therapy: Upright Treatment Approach	Thomas R. Mackie	13:45-14:00	Smart Synergy: Combining Radiation and Artificial Intelligence to Unlock Immunotherapy Response	James Welsh
14:00-14:10	Discussion		14:00-14:10	Discussion	

**iARTIST SCIENTIFIC PROGRAMME DAY 2**

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

ROOM A		ROOM B			
14:10–14:35	<b>KEYNOTE LECTURE SESSION: TOXICITY AND PUBLIC FEAR</b>	<b>Moderator: Iris Gibbs Speaker: Drew Moghanaki</b>			
14:35–14:40	Discussion				
14:40–15:20	<b>Industry Symposium – 7</b>				
15:20–15:40	<b>Coffee Break</b>				
15:40–16:35	<b>PANEL 12: HYPOFRACTIONATION IN PROSTAT CANCER: LESS IS MORE?</b>	<b>Moderators: Petek Erpolat, Mohamed Shelan</b>	15:40–16:35	<b>TUMOR BOARD 2: APPROACHING LUNG CANCER BRAIN METASTASES</b>	<b>Moderators: Iris Gibbs, Vildan Kaya</b>
15:40–15:55	Hypofractionation and Ultra Hypofractionation: Clinical Implementation and Patient Management	Piet Ost	15:40–15:55	Case Presentation 1: SCLC – Approach to CNS	Melek Tuğçe Yılmaz
15:55–16:10	Adaptive Extreme Hypofractionation: State of Art and Future Perspectives	Flippo Alongi	15:55–16:10	Discussion	Scott Soltys, Ufuk Abacioglu, Serra Kamer
16:10–16:25	Salvage SBRT for Intraprostatic Recurrence with Focus on Proton Therapy	Barbara Jereczek Fossa	16:10–16:25	Case Presentation 2: NSCLC Multiple Brain Mets	Nilüfer Kılıç Durankuş
16:25–16:35	Discussion		16:25–16:35	Discussion	Hale Caglar, Andrey Golanov
16:35–17:30	<b>IAEA SYMPOSIUM–RAYS OF HOPE–THEMATIC KICK–OFF STATEMENT</b>	<b>Moderators: Yavuz Anacak, Rivera</b>	16:35–17:30	<b>PANEL 13: WHAT IS NEW FOR GI CANCERS?</b>	<b>Moderators: Majid Mohiuddin, Mert Saynak</b>
16:35–16:40	Opening Remarks – Brief Introduction of the Topic and Participants	Yavuz Anacak	16:35–16:50	Pancreatic Cancer: Hypofractionated RT or SBRT – What is the Evidence ?	James Good
16:40–16:55	IAEA Rays of Hope and Its Impact: Bridging the Radiotherapy Gap	Tomoaki Tamaki	16:50–17:05	Invasive Ablative Methods vs SBRT for Liver Metastasis	Michael Lock
16:55–17:10	The Impact of IAEA Collaborative Centers on the Quality of Radiotherapy Globally	Thomas Merchant 	17:05–17:20	Organ Preservation in Rectal Cancer: How High Tech can Help?	Cihan Gani
17:10–17:25	Anchor Centers as IAEA Hubs to Enhance the Capacity of Global Radiotherapy	Siddharta Laskar	17:20–17:30	Discussion	
17:25–17:30	Round Table Discussion				
17:30–17:45	<b>CLOSING REMARKS</b>				



ORGANIZATION SECRETARIAT  
UNICON MICE CONGRESS ORGANIZATION

İstanbul: Gayrettepe Mah. Vefa Bayırı Sk. İş Bankalılar  
Sitesi C Blok No:3 /B1 Beşiktaş

Phone: +90 212 969 33 05

Mobile Phone / WP: +90 538 383 26 06

E-mail: [iartistanbul@uniconmice.com](mailto:iartistanbul@uniconmice.com)

Web: [www.uniconmice.com](http://www.uniconmice.com) – [www.iartistanbul.com](http://www.iartistanbul.com)