

INTERNATIONAL ADVANCED RADIOTHERAPY TECHNIQUES SYMPOSIUM

iART¹st


SCIENTIFIC PROGRAMME

Endorsed by
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AMERICAN SOCIETY FOR RADIATION ONCOLOGY



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

ROOM A			ROOM B		
	iARTIST Functional Radiosurgery Course	Directors: Evan Thomas, Tuleasca Constantin		Next Frontiers of Radiation Oncology: Protons, FLASH, and Spatially Fractionated Therapy	Directors: Majid Muhiddin Enis Özyar
13:00–13:10	Welcome & Course Overview	Banu Atalar, Evan Thomas, Tuleasca Constantin	13:00–13:05	Opening Remarks: Aim of the Course	Enis Özyar, Majid Mohiuddin
13:10–13:30	History of Functional Radiosurgery	Tuleasca Constantin	13:05–14:40	Module 1: Proton Therapy and FLASH	
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	13:25–13:40	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	13:40–14:10	Hands on Practice Part 1: Proton vs Photon Planning Clinical Examples	Xuanfeng Leo Ding 
14:30–14:50	Spinal Radiosurgery Dorsal Rhizotomy	Evan Thomas	14:10–14:40	Hands on Practice Part 2: Advanced Proton Therapy Planning and Delivery Workflows on the MEVION S250–FIT Platform, with HYPERSCAN Pencil-Beam Scanning and DirectARC Capabilities within the RaySearch Environment. 3 Clinical Examples (H&N, CSI, CNS)	Danny Chen 
14:50–15:00	Discussion	All faculty	14:40–15:00	Coffee Break	
15:00–15:15	Coffee Break		15:00–15:20	Clinical Translation of FLASH Radiotherapy: Why and How?	Mahmut Ozsahin
15:15–15:35	SRS for Tremor / Parkinson Disease	Scott Soltys	15:20–15:50	Moderated Discussion: How do We Actually Deliver These Beams Safely and Intelligently?	Majid Muhiddin, Enis Özyar
15:35–15:55	OCD & Other Psychiatric Disorders	Kaan Oysul	15:50–16:00	RaySearch Workstation—in Person Demo	
15:55–16:10	Epilepsy	Iris Gibbs	16:00–17:20	Module 3: SFRT Applications: GRID, Lattice, Radscopal	
16:10–16:25	Discussion	All faculty	16:00–16:20	Overview of SFRT (GRID and LATTICE)	Majid Mohiuddin
16:25–16:45	Small Target Dosimetry & QA Considerations	TBA	16:20–16:40	Scheduling of Radscopal™ Effect in the Clinic	James Welsh
16:45–17:05	Treatment Planning Workshop	TBA	16:40–17:00	Hands on Practice: Lattice Planning Session	Yagiz Yedekci
17:05–17:25	Treatment Planning Workshop	TBA	17:00–17:20	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

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

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

Yıldız Güney, Şule Karabulut Gül

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

Murat Çaloglu, 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

Fulya Ağaoğlu, Didem Çolpan Öksüz


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

	ROOM A		ROOM B	
08:00–08:15	Opening Ceremony			
08:15–09:10	PANEL 1 – Art in Oligometastatic Disease	Moderators: Kevin Franks, Sedat Turkan	08:15–09:10	PANEL 2 – Dose Sculpting in Breast Cancer: Escalation, De-Escalation, and Everything In Between
08:15–08:30	Defining OMD: Extreme Cases	Drew Moghanaki	08:15–08:30	Breathing in Precision: Surface-Guided Radiotherapy and the New Era of Motion Management in Breast Cancer
08:30–08:45	Imaging and Biomarkers for OMD	Luca Boldrini	08:30–08:45	Personalizing the Beam: How do Protons Affect Our Practice?
08:45–09:00	One or More: How to Choose Patients & Fractionation?	Ugur SeleK	08:45–09:00	How Fractionation Changes Our Practice?
09:00–09:10	Discussion		09:00–09:10	Discussion
09:10–09:35	Keynote Lecture Session: Dilemma of Innovation in Radiotherapy : Liberation or Limitation	Moderators: Mehmet Şen, Şefik İğdem Speaker: Matthias Guckenberger		
09:35–09:45	Discussion			
09:45–10:00	Coffee Break			
10:00–10:40	Industry Symposium – 1 – MEDİTEL			
	Title : New developments in Helical Radiotherapy			
	Chair : Serap Yücel			
	Speaker : Fulya Ağaoğlu			
10:40–11:35	PANEL 3 – ART in CNS & Spine	Moderators: Tuleasca Constatin, Kaan Oysul	10:40–11:35	PANEL 4 – ART (Adaptive RT) in ART (Advanced RT)
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?
10:55–11:10	Spine SBRT: Dangerously Close	Iris Gibbs	10:55–11:10	Simulation free Online Adaptive Radiation Therapy
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
11:25–11:35	Discussion		11:25–11:35	Discussion
11:35–12:15	Industry Symposium – 2 – ONCOTECH			
	Title : Smart Oncology Platforms: Integration, Automation and Efficiency			
	Chair : Nadir Küçük			
	Speaker : Görkem Güngör			
12:15–13:15	Lunch Break			

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

ROOM A			ROOM B		
13:15–14:10	PANEL 5 – Reirradiation: Risks and Outcomes	Moderators: Mustafa Cengiz, Louis Constine	13:15–14:10	Navigating Complexity: Breakthrough Case Solution	Moderators: James Welsh, Evan Thomas
13:15–13:30	Beyond Technology: Patient Selection	Matthias Guckenberger	13:15–13:30	Postoperative SBRT in Prostate Cancer	Mohamed Shelan
13:30–13:45	Reirradiation in Head and Neck	Chris Nutting	13:30–13:45	Lung Cancer: SBRT in Ultracentral Lung Tumors: Can it be Toxic ?	Kevin Franks
13:45–14:00	Dose Accumulation: Beyond BED	Cemile Ceylan	13:45–14:00	SRS in Brainstem Metastases	Scott Soltys
14:00–14:10	Discussion		14:00–14:10	Discussion	
14:10–14:50	Industry Symposium – 3 – MEVION Title : Single-Room Proton Therapy: The New Global Model Chair : Uğur Selek Speaker : Pervin Hürmüz				
14:50–15:05	Coffee Break				
15:05–16:00	PANEL 6 – Stromal Determinants of Immune Reactivity Following Radiation Therapy	Moderators: Ömür Karakoyun Çelik, James Welsh	15:05–16:00	PANEL 7 – What is New for GI Cancers?	Moderators: Majid Mohiuddin, Mert Saynak
15:05–15:20	Decoding the Microbiome: Shaping Response to Radiotherapy and Immunotherapy	Nergiz Dağoğlu Sakin	15:05–15:20	Pancreatic Cancer: Hypofractionated RT or SBRT – What is the Evidence ?	James Good
15:20–15:35	Overcoming Liver Metastasis–Driven Immune Suppression: A Radiotherapy Perspective	Duygu Sezen	15:20–15:35	Invasive Ablative Methods vs SBRT for Liver Metastasis	Michael Lock
15:35–15:50	Smart Synergy: Combining Radiation and Artificial Intelligence to Unlock Immunotherapy Response	James Welsh	15:35–15:50	Organ Preservation in Rectal Cancer: How High Tech can Help?	Cihan Gani
15:50–16:00	Discussion		15:50–16:00	Discussion	
16:00–16:40	Satellite Symposium – 4 – ALPINIA Title : The Array of Radiotherapy Indications in which Boswellia can Treat or Prophylaxis Adverse Effects Speaker : Evan Thomas				
16:40 – 17:15	INTERACTIVE PANEL: Global Disparities in Radiotherapy	Moderators: Banu Atalar, Siddharta Laskar	16:40–17:20	PANEL 8 – Advances in Spectral X-Ray Imaging for Radiotherapy	Moderators: Ghada Aldosary, Oguzhan Ayrancioglu
	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)

iARTIST SCIENTIFIC PROGRAMME DAY 2 Saturday, June 13, 2026 (08:30–17:45)						
	ROOM A			ROOM B		
08:00–08:50	TUMOR BOARD 1: Fractionation, Reirradiation and Adaptive Case, Which Platform or Techniques to Choose?	Moderators: Piet Ost, Ferah Yildiz	08:00–08:50	PANEL 9 – ART in Toxicity Management: New Era, New Concepts	Moderators: Billy W. Loo, Serap Akyürek	
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, İker Tinay	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	No Fly Zones in the Upper GI	Michael Lock	
	Discussion	Yasemin Atagun, Ivica Ratosca, Sofia Rivera	08:45–08:50	Discussion		
08:50–09:40	Debate: do we overtreat OMD ?	Moderators: Ben Slotman, Banu Atalar	08:50–10:40	PANEL 10 – AI in ART (Advanced RT)	Moderators: Ben George, Görkem Güngör	
08:50–09:05	No, we don't!	Filippo Alongi	08:50–09:05	Missing Piece in Advanced Radiotherapy: Automation at Workflow Steps	Ghada Aldosary	
09:05–09:20	Yes, we do!	Drew Moghanaki	09:05–09:20	Generative Adversarial and Diffusion Network Models of Treatment Image Modalities Synthesization	Davide Cusumano	
09:20–09:25	Rebuttal No	Filippo Alongi	09:20–09:35	Integrating AI into X-Ray Imaging for Enhanced Radiotherapy	Xiaofeng Yang 	
09:25–09:30	Rebuttal Yes	Drew Moghanaki	09:35–09:40	Discussion		
09:30–09:40	QA					
09:40–10:00	Coffee Break					
10:00–10:40	Industry Symposium – 5 – ELEKTA Title : What does radiotherapy look like in 10 years? Speaker : John P Christodouleas					
10:40–11:30	PANEL 11 – Clinical Improvements through Technical Advancements in SGRT	Moderator: Irakli Martashvili				
10:40–10:55	How SGRT has Enabled Advancement of Research Based Clinical Practice	Josh Naylor				
10:55–11:10	Latest Clinical Experience with Dose RT and Beam Guide	Florian Stieler				
11:10–11:25	Redefining Treatments with Surface Guided Planning	Hale Çaglar				
11:25–11:30	Why SGRT Matters – Panel Discussion	All				
11:30–12:10	Industry Symposium – 6 – IBA Title : Proton Therapy: Patient Selection and Treatment Adoption Speaker : Rupesh Kotecha					
12:10–13:15	Lunch Break					

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

ROOM A			ROOM B		
13:15–14:10	PANEL 12 – Advances in Proton Therapy	Moderators: Barbara Jereczek, Majid Mouiddin	13:15–14:10	TUMOR BOARD 2: Approaching Lung Cancer brain metastases	Moderators: Iris Gibbs, Vildan Kaya
13:15–13:30	Tracing the Path: The Future in Proton Therapy is Now!	Frank Lohr	13:15–13:30	Case Presentation 1: SCLC – Approach to CNS	Melek Tuğçe Yılmaz
13:30–13:45	Protons Reinvented: New Horizons in Precision	Billy W. Loo	13:30–13:45	Discussion	Scott Soltys, Ufuk Abacioglu, Serra Kamer
13:45–14:00	Enhancing Access to Proton Therapy: Upright Treatment Approach	Thomas R. Mackie	13:45–14:00	Case Presentation 2: NSCLC Multiple Brain Mets	Nilüfer Kılıç Durankuş
14:00–14:10	Discussion				
14:10–14:50	Industry Symposium – 7 – VARIAN Title : Empowering Personalized Cancer Care with Integrated AI Innovations The Power of Integration: AI Solutions in Radiotherapy Contouring Speaker: João Costa Ethos therapy: Advancing AI-Guided Online Adaptive Radiotherapy. Speaker: Rebecca Lynn				
14:50–15:30	Industry Symposium – 8 – ZAP SURGICAL Clinical Insights from a Broad Multi-Patient Gyroscopic Radiosurgery ZAP-X Treatments Speaker: Gozde Yazici Technical Overview and Latest Updates on ZAP-X Speaker: David Miles				
15:30–15:55	Keynote Lecture Session: Toxicity and Public Fear	Moderator: Iris Gibbs Speaker: Drew Moghanaki			
15:55–16:00	Discussion				
16:00–16:20	Coffee Break				
16:20–17:15	PANEL 13 – Hypofractionation in Prostat Cancer: Less is more?	Moderators: Petek Erpolat, Mohamed Shelan	16:20–17:15	IAEA Symposium–Rays of Hope – Thematic Kick-off Statements	Moderators: Yavuz Anacak, Sofia Rivera
16:20–16:35	Hypofractionation and Ultra Hypofractionation: Clinical Implementation and Patient Management	Piet Ost	16:20–16:35	Opening Remarks - Brief Introduction of the Topic and Participants	Yavuz Anacak
16:35–16:50	Adaptive Extreme Hypofractionation: State of Art and Future Perspectives	Flippo Alongi	16:35–16:50	IAEA Rays of Hope and Its Impact: Bridging the Radiotherapy Gap	Tomoaki Tamaki
16:50–17:05	Salvage SBRT for Intraprostatic Recurrence with Focus on Proton Therapy	Barbara Jereczek Fossa	16:50–17:05	The Impact of IAEA Collaborative Centers on the Quality of Radiotherapy Globally	Thomas Merchant 
17:05–17:20	Discussion		17:05–17:15	Anchor Centers as IAEA Hubs to Enhance the Capacity of Global Radiotherapy	Siddharta Laskar
			17:15–17:20	Round Table Discussion	
17:20–17:35	Closing Remarks				



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

Web: www.uniconmice.com – www.iartistanbul.com