

**X-RAY GUIDED ADAPTIVE RADIOTHERAPY (ART) SYMPOSIUM
OCTOBER 24-25, 2024**

Time	Tentative Topic	Moderator/Presenter
Day 1 – Thursday, October 24, 2024		
11:00-12:00 pm	<i>Light Snacks/Tour</i>	
12:00-1:00 pm	Tour	UTSW Phys
12:00-12:10	Session: Introduction and Principles of Adaptive Radiotherapy	Moderator: David Sher
12:10-12:25	Opening remarks	David Sher
12:25-12:40	Rationale of adaptive therapy	David Sher
12:40-1:00	Q/A Session	UTSW
1:00 – 2:00 pm	Adaptive radiotherapy to omit simulation	Christopher Abraham (WU)
1:00-1:10	Panel discussion	
1:10-1:25	Break & Vendor Exhibition	
1:25-1:40	Adaptive planning, QA and Commissioning	Moderator: Mu-Han Lin
1:40-2:00	ART system commissioning & QA	Bin Cai (UTSW)
2:00-3:00 pm	Going from IGRT to ART planning	Dennis Stanley (UAB)
2:00-2:15	Promises and pitfalls of automatic contour and planning	Mu-Han (UTSW)
2:15-2:30	Ensuring robust online ART with Pre-MD Review Plan Check	Zohaib (UTSW)
2:30-2:45	Clinical evidence, practical considerations of online ART -I	Moderator: Ken Westover
2:45-3:00	Q/A Session	Kevin Albuquerque (UTSW)
3:00-4:00 pm	Prostate/GU	Jon Leeman (BWH)
3:00-3:15	Lung	Ken Westover (UTSW)
3:15-3:30	GI	Lauren Henke (CWRU), or Mayo (Gastric MD)
3:30-3:45	UTSW	Catie/Kellie (UTSW)
3:45-4:00	UAB	Dennis Stanley (UAB)
4:00-5:00 pm	BWH	Jon Leeman (BWH)
4:00-4:15	UTSW	Catie/Kellie (UTSW)
4:15-4:30	UAB	Dennis Stanley (UAB)
4:30-4:45	BWH	Jon Leeman (BWH)
4:45-5:00	Henry Ford	Ian Gallagher(Henry Ford)

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Time	Tentative Topic	Moderator/Presenter
Day 2 – Friday, October 25, 2024		
Morning		
7:00-8:00	<i>Breakfast</i>	
8:00 – 10:00 am	Workflow and Team building	Moderator:
8:10-8:30	Transitioning from 2 IGRT machines to 2 ART machines	Mayo
8:30-8:50	Team strategy to roll out ART implementation	FCCC
8:50-9:10	Implementing ART in community practice	Ian Gallagher (Henry Ford)
9:10-10:00	Q/A Session	UTSW
9:20-9:30	Break & Vendor Exhibition	
10:00-12:00 pm	Online ART Imaging: Present and future	Moderator: Shahed Badiyan
10:00-10:15	Clinical experience with Hyper-Sight for ART	James Kavanaugh (Mayo clinic)
10:15-10:30	Incorporating multi-image modality in online ART	Shahed Badiyan (rationale)
10:25-10:40	Future of online ART	Moderator:
10:40-11:00	AI empowered adaptive therapy	Steve Jiang
11:00-11:15	Feasibility of conventional Linac for adaptive therapy	Yi Rong
11:15-11:30	A clinical decision support system for AI-assisted decision-making in response-adaptive radiotherapy	Issam-El Naqa
11:30-11:45	Toward individualized radiation therapy	Robert Timmerman
11:45-12:00	Q/A Session	Shahed Badiyan
12:00-1:00 pm	<i>Lunch</i>	

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Day 2 – Friday, October 25, 2024		
Afternoon		
1:00-3:00 pm	UTSW	Catie/Kellie (UTSW)
1:00-1:15	UAB	Dennis Stanley (UAB)
1:15-1:30	BWH	Jon Leeman (BWH)
1:30-1:45	Henry Ford	Ian Gallagher(Henry Ford)
1:45-2:00	Clinical evidence, practical considerations of online ART -II	Moderator: David Sher
2:00-2:15	SGRT and Motion Management for Adaptive Therapy	Dave (UTSW)
2:15-2:30	HN	David Sher (UTSW)
2:30-2:45	Clinical case demo (SGRT Breast) Live team at machine & narration team at meeting room	UTSW MD (Breast MD/Sher) & TPOD/Justin
2:45-3:00	Q/A Session	
3:00-5:00 pm		
3:00-3:15	GYN	Kevin Albuquerque (UTSW)
3:15-3:30	Recent Advancements in Online Adaptive therapy Contour, planning, automation...etc	Michelle Mierzwa (Michigan)
3:30-3:45	RTT centric workflow and training	
3:45-4:00	ART system commissioning & QA	Bin Cai (UTSW)
4:00-4:45	Panel discussion	Dave (UTSW)
4:45-5:00	Closing Remarks	David Sher/Shahed Badiyan