

International Symposium Amsterdam
Breathing Control for Motion Management
in Radiotherapy and Imaging

Don't miss this symposium on breathing control management

WHEN: 15 and 16 March 2024

WHERE: Amsterdam UMC, location AMC

FOR WHOM: Clinicians, radiation therapists (RTTs), physicists, physiologists, anesthetists, intensivists or any other discipline involved in radiation treatment and/or imaging.

REGISTRATION MANDATORY via WEBSITE <https://breathmotioninrt.com>

Program

	Name	Affiliation
Friday 15 March (whole day)		
Opening and welcome: Breathing control, from concept to clinical implementation	Arjan Bel	Amsterdam UMC, The Netherlands
Implementation of mechanical ventilation in clinical practice: RTT-perspective	Sofia Parveen	Birmingham, UK
Mechanical ventilation: the Newcastle experience	Nick West	Newcastle, UK
What 60% O ₂ and mechanical ventilation can offer for respiratory motion management in Radiotherapy	Michael Parkes	Amsterdam UMC, The Netherlands
Reduced organ motion using mechanical ventilation quantified by MRI	Jeffrey Veldman	Amsterdam UMC, The Netherlands
Mechanical ventilation at 2 breaths/minute for clinical use during breast cancer Radiotherapy	Geneviève van Oothen	UCL, Louvain; St Luc, Brussels
Surface imaging and implementation of CPAP (continuous positive airway pressure) in the clinic	Zvi Symon	Sheba Medical Center, Tel Aviv, Israel
Challenges of using breath-holding in Proton treatment for Radiotherapy	Stephanie Peeters	Maastricht Clinic, Maastricht, The Netherlands
Training of RTTs to support non-invasive mechanical ventilation	Loes van der Sluis/Mark van Drimmelen	Amsterdam UMC, The Netherlands
Mechanical ventilation with Cyberknife in lung cancer patients	Stuart Green	University Hospitals Birmingham, UK
Clinical application of CPAP: safety issues, monitoring, workflow	Pilegush Rada	Sheba Medical Center, Tel Aviv, Israel
Application of CPAP in clinic practice	Sarit Appel	Sheba Medical Center, Tel Aviv, Israel
Bio-feedback for MRI guided radiotherapy	Martin Fast	University Medical Center, Utrecht, The Netherlands
Motion management in proton therapy, clinical applications and research	Giovanni Fattori	Paul Scherrer Institute, Villigen, Switzerland
Friday night: diner in a boat on the Amsterdam canals		
Saturday 16 March (morning only)		
Live demonstration of mechanical ventilation by RTTs	Michael Parkes, Irma van Dijk and RTTs	Amsterdam UMC, The Netherlands
Industry perspective of breathing control with mechanical ventilation	Several speakers	
Panel discussion:		
– Breathing control is more effective than tracking or gating in radiotherapy		
– Software solutions will take over breath hold for high quality imaging		
Saturday afternoon: fill in according to own preference, we will provide hints for activities in Amsterdam		