

## Sponsors



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### International Symposium Amsterdam **Breathing Control for Motion Management** in radiotherapy & imaging

#### Friday 15 March – Lecture Hall 4, AMC

08:30-09:20 *Registration – Coffee & Tea*

*Session 1 – Chair Irma van Dijk*

09:30-09:50	Opening and welcome: Breathing control, from concept to clinical implementation	Arjan Bel
09:50-10:10	The evolution of breathing motion management at University Hospital Birmingham	Sofia Parveen Stuart Green
10:10-10:30	Mechanical ventilation: the Newcastle experience	Nick West

10:30-11:00 *Break – Coffee & Tea*

*Session 2 – Chair Arjan Bel*

11:05-11:25	What 60% oxygen and mechanical ventilation can offer for respiratory motion management in radiotherapy	Michael Parkes
11:25-11:45	Mechanical ventilation at 2 breaths/minute for clinical use during breast cancer radiotherapy	Geneviève van Oothenegem
11:45-12:05	Rapid mechanical ventilation appears superior to high-frequency jet ventilation in respiratory motion reduction for radiotherapy	Jeffrey Veldman

12:05-13:05 *Lunch break*

*Session 3 – Chair Michael Parkes*

13:10-13:30	Training of RTTs to operate a non-invasive mechanical ventilator	Loes van der Sluis Mark van Drimmelen
13:30-13:50	Progress towards the use of 60% oxygen from the room-oxygen supply in clinical practice at University Hospital Birmingham	Stuart Green
13:50-14:10	Introduction to CPAP in combination with SGRT	Zvi Symon
14:10-14:30	Clinical application of CPAP: safety issues, monitoring, workflow	Felegosh Rada

14:30-15:00 *Break – Coffee & Tea*

*Session 4 – Chair Zvi Symon*

15:05-15:25	Application of CPAP in clinic practice	Sarit Appel
15:25-15:45	Precision and Accuracy in Respiratory Motion Management	Jan-Jakob Sonke
15:45-16:05	Challenges of using breath-holding in Proton treatment for Radiotherapy	Stephanie Peeters
16:05-16:25	Motion management in proton therapy, clinical applications and research	Giovanni Fattori

16:30-17:15 *End of Friday sessions - Drinks*

18.30 *Boat trip / pizza diner on the Amsterdam canals – Departure 18:45*

#### Saturday 16 March – Lecture Hall 4, AMC

08:30-9:00 *Coffee & Tea*

*Session 5 – Chair Irma van Dijk*

09:00-10:30	Live demonstration of non-invasive ventilation	RTTs, Michael Parkes
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10:35-11:05 *Break – Coffee & Tea*

*Session 6 – Chairs Arjan Bel & Irma van Dijk*

11:10-11:30	Imaging lung ventilation properties with inhaled MR visible gases	Pete Thelwall
11:30-11:50	Bio-feedback for MRI guided radiotherapy	Martin Fast
11:50-12:40	Breath storm session - interactive panel discussion	

12:40-12:50 *Closing remarks, end of symposium*