

## ESTRO 2024 – RTT Pre-meeting course

### *Online Adaptive Radiotherapy: Skills and Knowledge for RTTs*

Friday, 3 May 2024 from 08:45-17:00

#### Course directors:

- Helen McNair, Therapeutic Radiographer, The Royal Marsden NHS Foundation Trust and Institute of Cancer Research (UK)
- Elizabeth Forde, Assistant Professor (Radiation Therapist), Trinity College Dublin (IE)

#### Faculty:

- Luca Boldrini, Radiation Oncologist, Fondazione Policlinico Universitario "A. Gemelli" IRCCS (IT)
- Rianne de Jong, Radiation Therapy Technologist (RTT), Amsterdam University Medical Centre (NL)
- Laura McGregor, Consultant in Emergency Medicine, Scotland (UK)
- Trina Herbert, Therapeutic Radiographer, The Royal Marsden NHS Foundation Trust (UK)
- Elizabeth Joyce, Radiation Therapy Technologist (RTT), Royal Marsden NHS Foundation Trust (UK)
- Lykke Kildegård Johansen, Radiation Therapy Technologist (RTT), Rigshospitalet, Copenhagen (DK)
- Uulke van der Heide, Medical Physicist, the Netherlands Cancer Institute Amsterdam/Leiden University Medical Center (NL)
- Reijer Rutgers, Radiation Therapy Technologist (RTT), UMC Utrecht (NL)
- Dirk Verellen, Medical Physicist, Iridium Kankernetwerk, University of Antwerp (BE)
- Bethany Williams, Radiation Therapy Technologist (RTT), Royal Marsden NHS Foundation Trust (UK)

#### Pre course homework:

- 20-minute pre-recorded lecture: *"MR artefacts and safety considerations"* - T. Herbert (UK)
- Contouring homework

#### Programme

Time slot	Title	Teacher
08:30 - 08:45	Introduction	H. McNair (UK)
08:45 - 09:15	Clinical indications for adaptive radiotherapy	L. Boldrini (IT)



09:15 - 09:45	Dosimetric benefits of online adaptive radiotherapy			U. van der Heide (NL)
09:45 - 10:15	Safe implementation of online ART: FMEA approaches			D. Verellen (BE)
10:15 - 10:35	COFFEE BREAK			
10:35 - 11:05	RT role in CT based adaptive (Ethos)			L. Johansen (DK)
11:05 - 11:35	RT role in MR based adaptive (Unity)			R. Rutgers (NL)
11:35 - 12:05	Skills and knowledge required of RTTs for adaptive			E. Joyce (UK)
12:05 - 12:35	Team decision making under stress			L. McGregor (UK)
12:35 - 14:00	LUNCH BREAK			
14:00 - 15:30	Workshops below . Participants to choose 2 out of 3 to attend.			
14:00 - 14:45	1. Contouring	2. Dosimetry	3. Patient workflow	1. L. Boldrini (IT) H. McNair (UK)
14:45 - 15:30	1. Contouring	2. Dosimetry	3. Patient workflow	2. E Forde (IE) B. Williams (UK) 3. L. Johansen (DK) R Rutgers (NL)
15:30 - 16:00	COFFEE BREAK			
16:00 - 16:30	RTT research in adaptive radiotherapy			R. de Jong (NL)
16:30 - 16:45	Wrap up and close			E. Forde (IE)

