

ESTRO 2024 – Interdisciplinary Pre-meeting course

Re-irradiation – a one-day bootcamp

Friday, 3 May 2024, from 08.30 to 17.00

Course directors:

- Ane Appelt, Medical Physicist, University of Leeds & St James's University Hospital (UK)
- Eliana Maria Vasquez Osorio, Senior Researcher, The University of Manchester (UK)
- Heidi S. Rønne, Medical Physicist, Danish Center for Particle Therapy, Aarhus University Hospital (DK)

Faculty:

- Nicolaus Andratschke, Radiation oncologist, University Hospital Zurich, (CH)
- Søren Bentzen, Radiobiologist, University of Maryland School of Medicine, Baltimore (US)
- Madalyne Day, Radiation Therapy Technologist (RTT), University Hospital Zurich (CH)
- Anna Embring, Radiation Oncologist, Karolinska University Hospital (SE)
- Dorota Gabryś, Radiation Oncologist, Maria Skłodowska-Curie National Research Institute of Oncology, Gliwice Branch (PL)
- Marianne Guren, Clinical Oncologist, Oslo University Hospital (NO)
- Peter Hoskin, Clinical Oncologist, Mount Vernon Cancer Centre, London; The Christie, Manchester (UK)
- Mariangela Massaccesi, Radiation Oncologist, Gemelli Advanced Radiation Therapy; Fondazione Policlinico Universitario Agostino Gemelli IRCCS (IT)
- Charles Mayo, Medical Physicist, University of Michigan (US)
- Louise Murray, Clinical Oncologist, University of Leeds and Leeds Teaching Hospitals (UK)
- Jonas Willmann, Radiation Oncologist, University Hospital Zurich (CH)

Programme

Time slot	Title	Teacher
08.30 - 08.40	Welcome	Course Directors
08.40 - 10.25	1st morning session: General - patterns of care, workflow, etc	
08.40 - 09.00	The international re-irradiation landscape - definition & utilisation	N. Andratschke (CH)
09.00 - 09.20	Selection of patients for re-irradiation	P. Hoskin (UK)
09.20 - 09.40	Choice of RT technique & modality for re-irradiation	M. Massaccesi (IT)
09.40 - 10.00	The radiotherapy workflow – physics perspective	C. Mayo (US)
10.00 - 10.20	The radiotherapy workflow – dosimetrist / RTT perspective	M. Day (CH)
10.20 - 10.25	General discussion	
10.25 - 10.45	COFFEE BREAK	
10.45 - 11.50	2nd morning session: Radiobiology & normal tissue	
10.45 - 11.05	Radiobiology - repair and recovery	D. Gabrys (PL)
11.05 - 11.25	Radiobiology - equivalent dose measures & modeling normal tissue dose-response for reRT	S. Bentzen (US)
11.25 - 11.45	What do we know about dose constraints for clinical use?	P. Hoskin (UK)
11.45 - 11.50	General discussion	
11.50 - 13.10	LUNCH BREAK	
13.10 - 14.00	1st afternoon session: Planning & dose accumulation	
13.10 - 13.30	Image registration and dose mapping	E. Vasquez Osorio (UK)
13.30 - 13.45	Evaluating cumulative dose	A. Appelt (UK)
13.45 - 13.55	Planning based on previous dose	A. Appelt (UK)
13.55 - 14.00	General discussion	
14.00 - 15.25	2nd afternoon session: Clinical/tumour site focus	
14.00 - 14.20	Head & Neck	A. Embring (SE)
14.20 - 14.40	Thoracic / lung	N. Andratschke (CH)
14.40 - 15.00	Rectum / anal	M. G. Guren (NO)
15.00 - 15.20	Brain	L. Murray (UK)
15.20 - 15.25	General discussion	
15.25 - 15.45	COFFEE BREAK	
15.45 - 16.45	3rd afternoon session: Advanced technologies & Future directions	
15.45 - 16.05	Protons in reirradiation	H. S. Rønde (DK)
16.05 - 16.25	Data sharing for re-irradiation	C. Mayo (UK)
16.25 - 16.45	Ongoing and future trials & registries	J. Willmann (CH)
16.50 - 17.00	Wrap-up & closure	Course Directors