



ESTRO
2022

PROGRAMME OVERVIEW

Learning from Every Patient

ANNUAL
ESTRO
CONGRESS

6-10 May 2022

Onsite in Copenhagen & Online

#ESTRO2022
www.estro.org

FRIDAY 6 MAY 2022

	Room D4	Auditorium 12	Room D3	Room D1	Auditorium 11	Room D2	Room D5	Auditorium 15	Mini-Oral Theatre 1	Mini-Oral Theatre 2	Poster Station 1	Poster Station 2	Room 20	
08:30-17:00	PHYSICS PRE-MEETING COURSE	RTT PRE-MEETING COURSE				RADIOBIOLOGY PRE-MEETING COURSE			BRACHYTHERAPY PRE-MEETING COURSE	CLINICAL PRE-MEETING COURSE				
	Real-world implementation of adaptive radiotherapy in clinical practice <i>Course Directors: Wouter van Elmpt (NL) Claus Behrens (DK)</i>	Time to adapt: Future roles of RTT <i>Course directors: Yat Man Tsang (UK) Phillip Scherer (AT)</i>				Innovative models to assess efficacy and toxicity treatment combinations with radiotherapy <i>Course directors: Rob Coppes (NL) François Paris (FR)</i>			Multidisciplinary approach to high-risk skin cancer with special focus on brachytherapy <i>Course directors: Agata Rembielak (UK) Luca Tagliaferri (IT)</i>	Integration of radiotherapy into targeted or immunotherapy <i>Course directors: Tim Illidge (UK) Eric Deutsch (FR)</i>				COUNTOURING WORKSHOP 10:30-12:30 Liver Lymph Node SBRT
17:15-17:45			OPENING CEREMONY Lectures Lifetime achievement awards Opening in Exhibition Area followed by Networking Evening											COUNTOURING WORKSHOP
													16:00-18:00 Lung Reirradiation	

SATURDAY 7 MAY 2022

	Room D4	Auditorium 12	Room D3	Room D1	Auditorium 11	Room D2	Room D5	Auditorium 15	Mini-Oral Theatre 1	Mini-Oral Theatre 2	Poster Station 1	Poster Station 2	Room 20
08:00-08:40	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE					
	Developing a national infrastructure for proton beam therapy trials	The radiobiological clock in 2022	Stereotactic radiotherapy in lung: Recent advances	Palliative radiotherapy: Established standards and emerging concepts	Improving radiotherapy outcomes for vaginal tumours using a joint target concept	Commissioning and quality assurance of commercial in vivo dosimetry systems	Monte Carlo dose calculation in modern day radiotherapy	Patient education in 2022: Does the patient know better?					
08:45-10:00	SYMPOSIUM	DEBATE	SYMPOSIUM	SYMPOSIUM	DEBATE	JOINT SYMPOSIUM ESTRO-EFOMP	PROFFERED PAPERS	SYMPOSIUM	MINI-ORALS 1	MINI-ORALS 2	POSTER DISCUSSION 1	POSTER DISCUSSION 2	
	Education in radiation oncology: Advances and opportunities	This house believes that FLASH radiotherapy is a more promising avenue for the future of radiation oncology than particle radiotherapy	New developments in the treatment of oesophageal cancer	All the hassle with hematopoietic systems	Soft tissue sarcoma: Brachytherapy and/or EBRT or IORT: Current evidence	CT innovations: DECT and beyond	Intra-fraction and real-time motion management	Learning about the patients we do not see: A focus on inequities in radiotherapy access and provision	09:00-10:00 Dosimetry	09:00-10:00 Health economics and healthcare systems	09:00-10:00 Image processing & analysis	09:00-10:00 Palliation, mixed sites	
10:00-10:30	COFFEE BREAK												
10:30-11:30	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	MINI-ORALS 3	MINI-ORALS 4	POSTER DISCUSSION 3	POSTER DISCUSSION 4	
	Proton beam therapy	Normal tissue radiobiology	Late-breaking	upper GI	Physics	Dosimetry	Photon radiotherapy planning	Improving patient experience and quality standards	Radiobiology	Sarcoma, skin cancer, malignant melanoma	Functional imaging & modelling	Paediatrics, haematology	
11:40-12:40			PRESIDENTIAL SYMPOSIUM										
			Learning from every patient										
12:45-14:15	LUNCH AND INDUSTRY SYMPOSIA				GEC-ESTRO ASSEMBLY								
					13:00-14:00								
14:15-15:30	JOINT SYMPOSIUM ESTRO-ASTRO	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	JOINT SYMPOSIUM ESTRO-AAPM	SYMPOSIUM	SYMPOSIUM	MINI-ORALS 5	MINI-ORALS 6	POSTER DISCUSSION 5	POSTER DISCUSSION 6	COUNTOURING WORKSHOP
	Is integration with immunotherapy the new challenge for radiation oncologists?	Emerging radiobiological modifiers	Large-scale collection of PROs for clinical use during follow-up	Lymphopenia	Preserving brachytherapy skills for the future	50 shades of FLASH: From experimental beam lines to the clinic	Automatic planning: Towards a sustainable future	What's new in RTT advanced practice?	14:15-15:15 Image acquisition & processing	14:15-15:15 GI	14:15-15:15 Intra-fraction & real-time adaptation	14:15-15:15 CNS	14:30-16:30 Prostate SBRT
15:30-16:00	COFFEE BREAK												
16:00-16:20			E. VAN DER SCHUEREN AWARD										
16:25-16:50			JENS OVERGAARD LEGACY AWARD										
16:55-17:55	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	MULTIDISCIPLINARY TUMOUR BOARD	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	MINI-ORALS 7	MINI-ORALS 8	POSTER DISCUSSION 7	POSTER DISCUSSION 8	
	Personalised radiation therapy	Immuno-radiobiology	Lower GI	Brain	Physics, gynaecology, prostate	FLASH	Applications of photon treatment planning	Haematology	Brachytherapy	Patient care, preparation, immobilisation & IGRT verification protocols	Imaging & AI techniques	Advances in radiotherapy planning & techniques	

SUNDAY 8 MAY 2022

	Room D4	Auditorium 12	Room D3	Room D1	Auditorium 11	Room D2	Room D5	Auditorium 15	Mini-Oral Theatre 1	Mini-Oral Theatre 2	Poster Station 1	Poster Station 2	Room 20
08:00-08:40	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE					COUNTOURING WORKSHOP
	MR-guided radiotherapy: How to acquire and interpret imaging data for online adaption	Mitochondria in tumour and normal tissue radiobiology	Breast cancer-related lymphoedema	Fractionation and biology in bladder cancer	Artificial intelligence and brachytherapy: Current reality and perspectives	Robust treatment planning in particle therapy: Clinical implementation and potential pitfalls	Essentials for risk management of a radiation oncology department	Less is more: The increasing use of hypofractionation in routine clinical practice and its impact on patient care					08:00-10:00 Small cell lung cancer
08:45-10:00	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	PITCH SESSION	SYMPOSIUM	MINI-ORALS 9	MINI-ORALS 10	POSTER DISCUSSION 9	POSTER DISCUSSION 10	
	Radiation-induced cardiac and vascular toxicity	Beyond the nucleus: The role of mitochondria in radiation response	Radiotherapy in head and neck advanced disease in surgery with reconstruction area	2020 - Losing ground for radiotherapy?	The use of imaging in prostate brachytherapy	Image guidance in particle therapy: Status and outlook	Every radiotherapy physicist should know about AI/ML... but how much?	Personalised radiotherapy: Improving standards of care with personalised treatments	09:00-10:00 Personalised radiation therapy	09:00-10:00 Lung	09:00-10:00 Inter-fraction motion & adaptive radiotherapy	09:00-10:00 Urology 1	
10:00-10:30	COFFEE BREAK												
10:30-11:30	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	MINI-ORALS 11	MINI-ORALS 12	POSTER DISCUSSION 11	POSTER DISCUSSION 12	
	MR-guided radiotherapy	Tumour radiobiology	Head & neck	Lung	Gynaecology	Optimisation & algorithms in proton and ion radiotherapy	Radiomics & modelling	AI & advanced practice	Intra-fraction motion management	Urology	Radiobiology	GI	
11:40-12:40			HIGHLIGHTS OF PROFFERED PAPERS										
			Best Papers										
12:45-14:15	LUNCH AND INDUSTRY SYMPOSIA					PHYSICS ASSEMBLY & NETWORKING							
						13:00-14:00							
14:15-15:30	SYMPOSIUM	SYMPOSIUM	JOINT SYMPOSIUM ESTRO-EORTC	JOINT SYMPOSIUM ESTRO-IASLC	SYMPOSIUM	DEBATE	JOINT SYMPOSIUM ESTRO-ISMRM	SYMPOSIUM	MINI-ORALS 13	MINI-ORALS 14	POSTER DISCUSSION 13	POSTER DISCUSSION 14	COUNTOURING WORKSHOP
	Management of radio-recurrent prostate cancer	The hypoxic tumour microenvironment	Oligometastatic disease	Advances in radiotherapy for lung cancer	Ocular plaque brachytherapy	This house believes that in 10 years particle therapy will be in a better place than now!	Quantitative MRI for radiation oncology	RTTs: AI and digital awareness	14:15-15:15 Implementation of new technology	14:15-15:15 Head & neck	14:15-15:15 Brachytherapy	14:15-15:15 Urology 2	14:30-16:30 Special RTT
15:30-16:00	COFFEE BREAK												
16:00-16:25			HONORARY PHYSICIST AWARD										
16:25-16:50			IRIDIUM AWARD LECTURE										
16:55-17:55	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	MINI-ORALS 15	MINI-ORALS 16	POSTER DISCUSSION 15	POSTER DISCUSSION 16	
	Patient-reported outcomes	Microenvironment	Oligometastatic disease	Urology	Prostate, head & neck, eye	New technologies in clinical practice	Application of functional & quantitative imaging	Breast, rectum	Treatment plan optimisation & adaptation	RTT treatment planning, OAR & target definitions	Advances in patient care & treatment verifications	Lung	

● INTERDISCIPLINARY SESSION

● RADIOBIOLOGY SESSION

● CLINICAL SESSION

● PHYSICS SESSION

● RTT SESSION

● BRACHYTHERAPY SESSION

● YESTRO SESSION

MONDAY 9 MAY 2022

	Room D4	Auditorium 12	Room D3	Room D1	Auditorium 11	Room D2	Room D5	Auditorium 15	Mini-Oral Theatre 1	Mini-Oral Theatre 2	Poster Station 1	Poster Station 2	Room 20
08:00-08:40	TEACHING LECTURE Biomarkers guiding dose de-escalation in HNSCC	TEACHING LECTURE Immobilisation in the rapidly changing world of radiotherapy: Now and into the future		TEACHING LECTURE Modern imaging in radiation oncology	TEACHING LECTURE MRI: From basic to state-of-the-art acquisition protocols	TEACHING LECTURE Rationale for microbiota-centered interventions in I-O and radiotherapy	TEACHING LECTURE From U-nets to SLTMs: AI in the radiotherapy workflow	TEACHING LECTURE Leadership is a journey, not a position					
08:45-10:00	SYMPOSIUM New era of personalised radiotherapy in soft tissue sarcomas	SYMPOSIUM Online adaptive radiotherapy: The future is near!		JOINT DEBATE ESTRO-PROS This house believes that proton therapy is the standard of care for paediatric patients, adolescents and young adults requiring radiotherapy	SYMPOSIUM Online management of target motion	SYMPOSIUM Automation in radiotherapy	SYMPOSIUM Deep learning for target auto-segmentation	SYMPOSIUM The positive impact of good leadership	MINI-ORALS 17 09:00-10:00 Mixed sites, palliation	MINI-ORALS 18 09:00-10:00 CNS	POSTER DISCUSSION 17 09:00-10:00 Treatment planning	POSTER DISCUSSION 18 09:00-10:00 Breast	
10:00-10:30	COFFEE BREAK												
10:30-11:30	PROFFERED PAPERS Pelvic malignancies	PROFFERED PAPERS Adaptive radiotherapy		PROFFERED PAPERS Paediatrics	PROFFERED PAPERS Novel approaches towards IGRT	PROFFERED PAPERS Big data, AI	PROFFERED PAPERS Deep learning for image analysis	GROWING YOUR NETWORK Speed Dating	MINI-ORALS 19 Applications of photon & ion beam therapy	MINI-ORALS 20 Breast	POSTER DISCUSSION 19 Dosimetry	POSTER DISCUSSION 20 Head & neck	
11:40-12:40				HIGHLIGHTS OF PROFFERED PAPERS Latest Clinical Trials			MULTIDISCIPLINARY TUMOUR BOARD Paediatric oncology: Sarcoma						
12:45-14:15	LUNCH AND INDUSTRY SYMPOSIA								YOUNG LUNCH SYMPOSIUM Increasing the impact of your research				
14:15-15:30	DEBATE This house believes that an intensive follow up for high-risk breast cancer patients should be considered	DEBATE This house believes that brachytherapy is a dying art		JOINT SYMPOSIUM ESTRO-EANO Twists and turns of brain irradiation	SYMPOSIUM Adapting to changes on different time scales	SYMPOSIUM Lethal DNA double strand breaks production: Quality over quantity?	SYMPOSIUM Challenging the traditional margins for microscopic diseases	SYMPOSIUM Mobility for radiation oncology professionals	MINI-ORALS 21 14:15-15:15 Radiomics & modelling	MINI-ORALS 22 14:15-15:15 AI, big data, automation	POSTER DISCUSSION 21 14:15-15:15 Implementation of new technology & techniques	POSTER DISCUSSION 22 14:15-15:15 Gynaecology	
15:30-16:00	COFFEE BREAK												
16:00-16:25				K. BREUR AWARD LECTURE									
16:25-16:40				DONAL HOLLYWOOD AWARD									
16:45-17:45	PROFFERED PAPERS Breast	PROFFERED PAPERS Dosimetry & treatment planning		PROFFERED PAPERS CNS	PROFFERED PAPERS Inter-fraction motion & adaptive radiotherapy	PROFFERED PAPERS Health economics	PROFFERED PAPERS Multicentre validation studies	QUIZ Young Investigator Awards					
18:00-19:00							GENERAL ASSEMBLY						

● INTERDISCIPLINARY SESSION

● RADIOBIOLOGY SESSION

● CLINICAL SESSION

● PHYSICS SESSION

● RTT SESSION

● BRACHYTHERAPY SESSION

● YESTRO SESSION

TUESDAY 10 MAY 2022

	Room D4	Auditorium 12	Room D3	Room D1	Auditorium 11	Room D2	Room D5	Auditorium 15	Mini-Oral Theatre 1	Mini-Oral Theatre 2	Poster Station 1	Poster Station 2	Room 20
08:30-09:10	TEACHING LECTURE Hypofractionation for the management of postoperative PCa	TEACHING LECTURE Calculating margins correctly: Abracadabra with numbers?		TEACHING LECTURE Is endometrial cancer ready for treatment individualisation based on molecular risk factors?	TEACHING LECTURE How can omics lead to personalised radiation oncology?	TEACHING LECTURE Deformable registration for dose accumulation: Current status and future challenges	TEACHING LECTURE Immunotherapy and radiotherapy: Basics for physicists	TEACHING LECTURE Toxicity vs tumour control: What makes a good pelvic radiotherapy plan?					
09:15-10:30	SYMPOSIUM Fractionation for external beam radiation therapy in early breast cancer: State-of-the-art	PANEL DISCUSSION Artificial Intelligence: Friend or foe of the RTT?		JOINT SYMPOSIUM ESTRO-ESGO Joint guidelines on the management of vaginal cancer	JOINT SYMPOSIUM ESTRO-ESR Imaging biomarkers for personalised radiotherapy	SYMPOSIUM Medical physicists should be directly involved in the design, execution and interpretation of clinical trials	SYMPOSIUM Modelling of complex systems and interactions	SYMPOSIUM Anal cancer					
10:30-11:00	COFFEE BREAK												
11:00-12:15	DEBATE This house believes that short-course radiotherapy is the ideal schedule as part of total neoadjuvant therapy programs for rectal cancer	SYMPOSIUM Changing the radiation medicine paradigm		SYMPOSIUM HPV-related squamous cell carcinoma: Is it time for de-intensification?	SYMPOSIUM Adaptation and automation: The new frontier in radiotherapy	SYMPOSIUM Spatial and spatio-temporal fractionation	SYMPOSIUM Modelling at the voxel level: Dose and image-data mining	SYMPOSIUM Changes in disease pattern after the pandemic					
12:20-13:25								CLOSING SESSION Which innovations will have the greatest impact in radiotherapy by 2030? Closing remarks					

● INTERDISCIPLINARY SESSION

● RADIOBIOLOGY SESSION

● CLINICAL SESSION

● PHYSICS SESSION

● RTT SESSION

● BRACHYTHERAPY SESSION

● YESTRO SESSION



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