

ESTRO 2024

3-7 May 2024
Glasgow, UK

ANNUAL
ESTRO
CONGRESS

Radiation Oncology:
Bridging the Care Gap

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   **#ESTRO24**

FRIDAY 3 MAY							
	Hall 2	Boisdale	Lomond Auditorium	Hall 1	M1	Forth	M4
08:30-17:00	PRE-MEETING COURSE	PRE-MEETING COURSE	PRE-MEETING COURSE	PRE-MEETING COURSE	PRE-MEETING COURSE	PRE-MEETING COURSE	
	Re-irradiation – A one-day bootcamp COURSE DIRECTORS: Ane Appelt (UK), Eliana Maria Vasquez Osorio (UK), Heidi Rønde (DK)	Radio-metabolomics: How does radiotherapy affect cancer cell metabolism, and vice versa? COURSE DIRECTORS: Anthony Chalmers (UK), Jullie Schwarz (US), Conchita Vens (UK)	Embracing the AI revolution: A one-day dive into future-proof implementation COURSE DIRECTORS: Jennifer Dhont (BE), Frank Hoebers (NL), Stine Sofia Korreman (DK)	Clinical translation of CT innovations in radiotherapy COURSE DIRECTORS: Vicki Trier Taasti (NL), Patrick Wohlfahrt (DE)	Online adaptive radiotherapy: Skills and knowledge for RTTs COURSE DIRECTORS: Helen McNair (UK), Elizabeth Forde (IE)	Radiobiology and modelling in brachytherapy COURSE DIRECTORS: Frank-André Siebert (DE), Jean-Michel Hannoun-Levi (FR)	COURSE 09:00-17:30 Foundations of Leadership in Radiation Oncology
17:10-18:00	OPENING CEREMONY BREUR AWARD LECTURE LIFETIME ACHIEVEMENT AWARDS						
18:00	WELCOME AND NETWORKING EVENING						

	Hall 2	Boisdale	Armadillo	Lomond Auditorium	Hall 3	Hall 1	M1	Forth	Carron 1	Carron 2	Dochart 1	Dochart 2	M23	M4
08:00-08:40	PANEL DISCUSSION	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE						
	Role definition in ART: Who does what and when do they do it?	Synergy between radiotherapy and CAR T-cells in solid tumours	Automatic delineation systems: A danger or a life saver?	Radiation-related toxicity: Where do we stand and where do we go from here?	Buying and commissioning AI tools	MRI QA for radiotherapy physicists	Managing treatment-related toxicities in radiation oncology	What every physicist should know about commissioning TG-43- and model-based treatment planning systems in brachytherapy						
08:45-10:00	JOINT SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	PITCH SESSION	SYMPOSIUM	SYMPOSIUM	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS		
	ESTRO-EORTC Innovations in re-irradiation clinical trial design	DNA damage and immunoresponse	Artificial intelligence in daily radiotherapy practice	Is irradiated volume more important than dose?	The art of morphing: Advancements and challenges in deformable image registration for radiotherapy	Towards real-time adaptive particle therapy	State-of-the-art on patient-reported outcome measures outside of clinical trials	Above and beyond: Toxicity after re-irradiation of the prostate	09:00-10:00 Dose plan optimisation for photon beams	09:00-10:00 Refining RTT practice and skills	09:00-10:00 Quality assurance and auditing	09:00-10:00 Urology 4		
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	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS	CONTOURING WORKSHOP	
	Radiotherapy for oligometastatic disease and palliation	Molecular radiation response	Breast 1	Haematological	Autosegmentation 1	Optimisation, algorithms and applications for particle beam treatment planning 1	Patient experience and quality of life	Breast & prostate brachytherapy	Emerging strategies for the modulation of the radiation response	Gynaecological 2	Advanced and automated planning	Patient set-up and verification	10:30-12:30 Prostate cancer SBRT	
11:40-12:40			PRESIDENTIAL SYMPOSIUM											
			Bridging the care gap											
12:45-14:15	LUNCH AND SATELLITE SYMPOSIA							GEC-ESTRO ASSEMBLY					COURSE	
								13:00-14:00						
14:15-14:40			E. VAN DER SCHUEREN AWARD										CONTOURING WORKSHOP	
14:40-15:05			JENS OVERGAARD LEGACY AWARD										14:30-16:30 Special RTT workshop	
15:15-16:30	SYMPOSIUM	DEBATE	JOINT SYMPOSIUM	SYMPOSIUM	JOINT SYMPOSIUM	PITCH SESSION	SYMPOSIUM	SYMPOSIUM	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS		
	Raising the bar in radiation oncology education	This house believes that radiomics will not replace real radiobiology in dose-response modelling	ESTRO-EANO Methods for SRS and SRT of brain metastases and optimal assessment strategies of neurocognitive function	Radiation against oesophageal cancer as the standard of care in 2025	ESTRO-AAPM Dose accumulation for patient treatment	The future of quality assurance in the radiotherapy workflow: how to QA AI?	The role of radiation therapists in cancer survivorship	HDR fractionation: How low can we go?	15:15-16:15 Proton and FLASH detectors, dose measurement and phantoms	15:15-16:15 Urology 2	15:15-16:15 Motion management and position verification	15:15-16:15 Lung 3		
16:30-17:00	COFFEE BREAK													
17:00-18:00	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	MULTIDISCIPLINARY TUMOUR BOARD	PROFFERED PAPERS	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS		
	Radiation oncology in the real-world setting	Tumour radiobiology	17:00-18:10 Lung 1	Paediatric	QA and auditing of delineations and dose planning	Radiomics, dose analysis and outcome prediction	Challenges in radiotherapy of breast cancer patients operated with oncoplastic techniques or immediate reconstruction	Brachytherapy for gynaecological cancers	Intra-fraction motion management and real-time adaptive photon therapy	Upper GI 2	Dose prediction, optimisation and applications of photon and electron planning	CNS 3		

● INTERDISCIPLINARY SESSION

RADIOBIOLOGY SESSION

CLINICAL SESSION

PHYSICS SESSION

● RTT SESSION

● BRACHYTHERAPY SESSION

● YESTRO SESSION

 ADD-ON COURSE, SEPARATE REGISTRATION NEEDED

SUNDAY 5 MAY

	Hall 2	Boisdale	Armadillo	Lomond Auditorium	Hall 3	Hall 1	M1	Forth	Carron 1	Carron 2	Dochart 1	Dochart 2	M23	M4
08:00-08:40	PANEL DISCUSSION	TEACHING LECTURE	TEACHING LECTURE	PANEL DISCUSSION	SYMPOSIUM	TEACHING LECTURE	PITCH SESSION	TEACHING LECTURE						
	Environmental sustainability in radiation oncology	10 years of FLASH radiotherapy: What do we know?	Re-irradiation for gynaecological cancers	PI for beginners	Impact of medical device regulation on medical physics implementations in the clinic	Patient specific QA for online adaptive radiotherapy	The time for a global RTT-research network has arrived!	The role of brachytherapy (interventional radiotherapy) dose escalation for organ preservation in head & neck cancer						
08:45-10:00	PITCH SESSION	SYMPOSIUM	JOINT SYMPOSIUM	DEBATE	SYMPOSIUM	DEBATE	SYMPOSIUM	SYMPOSIUM						
	Bridging gaps in the future: Who will have the biggest impact?	Single cell and spatial radiation biology: From cancer to normal tissue response	ESTRO-ESGO Bridging the care gap: Radiotherapy in elderly and frail gynaecological cancer patients	Prostate cancer nodal recurrences: SBRT or WPRT?	QA of AI in the radiotherapy practice	Daily adaptive radiotherapy is pushed by manufacturers instead of clinical evidence	Horizon scanning in radiation therapy: What's next?	Advances in brachytherapy physics	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS		
09:00-10:00									09:00-10:00 Dose calculation and dose QA	09:00-10:00 Mixed sites/palliation 2	09:00-10:00 Optimising outcomes in radiotherapy	09:00-10:00 Breast 3		
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	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS	CONTOURING WORKSHOP	
	Value-based radiation oncology on a global scale	Normal tissue radiobiology	Urology 1	Lower GI 1	Intra-fraction motion management and real-time adaptive photon therapy 1	QA and auditing: Dose measurements and machine QA	Novel approaches in treatment planning	GI & Head, neck and eye brachytherapy	MRI image acquisition, processing and utilisation	Lung 2	Radiobiology	Haematology & paediatrics	10:30-12:30 OaR; head & neck	
11:40-12:40			HIGHLIGHTS OF PROFFERED PAPERS				MULTIDISCIPLINARY TUMOUR BOARD							
			Best papers				Is there a decreasing role of radiotherapy in treatment of operable NSCLC?							
12:45-14:15	LUNCH AND SATELLITE SYMPOSIA				PHYSICS ASSEMBLY & NETWORKING									COURSE
					13:00-14:00									13:00-14:00 Foundations of Leadership in Radiation Oncology
14:15-14:40			IRIDIUM 192 AWARD										CONTOURING WORKSHOP	
14:45-16:00	JOINT SESSION	SYMPOSIUM	JOINT SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS	14:30-16:30 Liver cancer SBRT	
	ESTRO-ASTRO How to integrate radiopharmaceuticals into the cancer treatment pathway	How will microbiota and metabolic regulation change the management of cancer patients?	ESTRO-IASLC Radiation dose in stage 3 NSCLC: To escalate or to de-escalate in IO/TKI era?	Optimisation of the therapeutic ratio in prostate cancer: Which tools do you need?	AI fairness in radiotherapy: From training to impact	Temporal optimisation and adaptation of radiotherapy schedules	Evolving RTT practice with global issues and expectations: How can we adapt?	What's new in AI developments and automation for brachytherapy	14:45-15:45 Global health and health economics	14:45-15:45 Head & neck 2	14:45-15:45 Detectors, dose measurement and phantoms	14:45-15:45 Upper & lower GI		
16:00-16:30	COFFEE BREAK													
16:30-17:30	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS		
	Personalising and optimising dose in radiotherapy	Modification of the radiation response	16:30-17:40 Head & neck 1	Mixed sites/palliation 1	Machine learning models for outcome prediction	Treatment planning and optimisation - New tools and applications	Advanced role development for RTTs	Physics brachytherapy	Innovations in daily practice	Breast 2	Image acquisition and processing	Urology 3		

MONDAY 6 MAY

	Hall 2	Armadillo	Lomond Auditorium	Hall 3	Hall 1	M 1	Forth	Carron 1	Carron 2	Dochart 1	Dochart 2
08:00-08:40	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	PANEL DISCUSSION	SYMPOSIUM				
	EQD2: Strengths and pitfalls	Advances in radiotherapy for cervical cancer	Hereditary cancer syndromes and genetic susceptibility affecting radiation decisions	Image-guided particle therapy: Did we close the gap?	MLC modelling: Get it right and go Leaf your Life	Cultural sensitivity and awareness in RTT practice	Closing the gap: Strategies for reducing inequalities in radiation oncology				
08:45-10:00	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	DEBATE	SYMPOSIUM	PANEL DISCUSSION	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS
	Radiobiology and interdisciplinary aspects of hypofractionation	More to the nodes, less to the breast	High-risk non melanoma skin cancer	Upright radiotherapy: Hope or hype?	This house believes that AI will do dosimetry for us and there is no longer any need to train in it	Personalised cancer treatments	How to bridge the research-practice divide by translating radiotherapy research into clinical application	09:00-10:00 Autosegmentation 2	09:00-10:00 Brachytherapy 1	09:00-10:00 Radiomics, functional and biological imaging and outcome prediction	09:00-10:00 Gynaecological 3
10:00-10:30	COFFEE BREAK										
10:30-11:30	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	SPEED DATING	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS
	Targeting the microenviroment in radiotherapy oncology	CNS 1	10:20-11:40 Gynaecological 1	Image acquisition and processing	Detectors and dose measurements	Latest advances in motion management	Global pathways: Leveraging international networks and careers abroad in radiation oncology	Education and training for next-generation radiation oncology	Lower GI 2	Brachytherapy 2	Mixed sites/palliation & Sarcoma/skin cancer/ malignant melanoma
11:40-12:40		HIGHLIGHTS OF PROFFERED PAPERS				MULTIDISCIPLINARY TUMOUR BOARD					
		ESTRO-ESR Which liver ablation technique is best?									
12:45-14:15	LUNCH AND SATELLITE SYMPOSIA						SYMPOSIUM				
							13:10-14:10 Revisiting hypofractionation: Unravelling the rationale for optimising SBRT and brachytherapy				
14:15-14:40		INTERDISCIPLINARY AWARD									
14:40-14:55		DONAL HOLLYWOOD AWARD									
15:00-16:15	SYMPOSIUM	SYMPOSIUM	JOINT SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	PANEL DISCUSSION	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS
	Guidelines	Difficult-to-treat and challenging head and neck cancer patients: Who they are and how to improve outcomes?	ESTRO-RCR Do practice-changing radiotherapy trials really change practice?	Image guidance in radiotherapy: Should we break bonds with daily kV imaging?	Dose-painting 25-year anniversary: Things to celebrate	Gynaecological cancers	15:00-15:50 Nurturing the future: Inspiring innovation through national young radiation oncology societies	15:00-16:00 Optimisation, algorithms and applications for particle beam treatment planning 2	15:00-16:00 Sarcoma/skin cancer/ malignant melanoma	15:00-16:00 Bridging the gap in RTT practice	15:00-16:00 Interdisciplinary
							TEACHING LECTURE				
							15:50-16:15 Imagine there's no ESTRO				
16:15-16:45	COFFEE BREAK										
16:45-17:45	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	PROFFERED PAPERS	NETWORKING SESSION	MINI-ORALS	MINI-ORALS	POSTER DISCUSSIONS	POSTER DISCUSSIONS
	Advancing organ preservatio	16:35-17:45 Late-breaking clinical trials	Upper GI 1	Treatment planning and optimisation in the clinical setting	Inter-fraction motion management and offline adaptive radiotherapy	Innovations in patient positioning	Quiz	Machine learning models and clinical applications	CNS 2	Adaptive treatments	Head & neck 3
18:00-19:00	GENERAL ASSEMBLY										

INTERDISCIPLINARY SESSION RADIOBIOLOGY SESSION CLINICAL SESSION PHYSICS SESSION RTT SESSION BRACHYTHERAPY SESSION YESTRO SESSION ADD-ON COURSE, SEPARATE REGISTRATION NEEDED

TUESDAY 7 MAY

	Hall 2	Boisdale	Lomond Auditorium	Hall 3	Hall 1	M1	Forth
08:30-09:10	PITCH SESSION	PANEL DISCUSSION	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE	TEACHING LECTURE
	Innovative radiotherapy treatment combinations	Do we need to use variable RBE in proton therapy?	Moving to MRI-guided radiation therapy: Present and future	Unlocking the promise of AI in real-time for a moving target	Statistics for radiation therapy insiders: What to use and when?	Motion-management strategies in proton therapy for liver and oesophagus tumours	Advances in palliative care and radiotherapy
09:15-10:30	JOINT SYMPOSIUM	JOINT SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	SYMPOSIUM	DEBATE	SYMPOSIUM
	ESTRO-EADO Optimising treatment outcomes in non melanoma skin cancer	ESTRO-PROS “Child-sizing” modern radiotherapy: The role of advanced delivery approaches in paediatric cancer	Radiotherapy in the rectal cancer journey	Quantitative imaging in proton therapy for measurement of RBE and regional radiosensitivity	Understanding dose-effects: Can we go beyond association?	This house believes that abdominal compression is no longer a suitable motion management strategy considering patient comfort and clinical benefit	Quality of life after cancer treatment
10:30-11:00	COFFEE BREAK						
11:00-12:15	SYMPOSIUM	SYMPOSIUM	DEBATE	PROFFERED PAPERS	JOINT SYMPOSIUM	SYMPOSIUM	SYMPOSIUM
	Late effects of radiotherapy	Benign disease: A changing paradigm for radiotherapy consideration	This house believes that SBRT is the standard of care for spine metastases	Flash detectors and dose measurements	ESTRO-EFOMP Virtual clinical trials	A non-ionising aspect in the radiation therapy workflow - MRI	Multidisciplinary management of anal cancer
12:25-13:30	CLOSING DEBATE						
	Clash of the Tartans - The Great AI Debate - This house believes that the radiation therapy care pathway will be delivered entirely by bots by 2040 Closing remarks						

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RADIOBIOLOGY SESSION

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RTT SESSION

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BRACHYTHERAPY SESSION

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YESTRO SESSION

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ADD-ON COURSE, SEPARATE REGISTRATION NEEDED