

18-19 November 2021, Rotterdam, The Netherlands

Programme

Thursday 18 November

17:00- 18:00 Registration
 18:00-18:15 Welcome: *Ina Jürgenliemk-Schulz (NL)*, Chair GEC-ESTRO Committee
 18:15-19:30 Session 1 – **Spectrum of Opportunities**

PLENARY	ROOM 1	ROOM 2	ROOM 3
18:15-18:35	H&N/Eye Integrated treatments in H&N and Eye Brachytherapy <i>Speaker: Luca Tagliaferri (IT)</i>		
18:35-18:55	GI-GEC Dose response in rectal cancer with brachytherapy <i>Speaker: Ane Appelt (UK)</i>		
18:55-19:15	GYNAE : "Combination of immunotherapy and radiotherapy in gynaecological cancer" <i>Speaker: Cyrus Chargari (FR)</i>		
19:15-19:30	Discussion		

20:00 **Networking dinner**

Friday 19 November

08:30-10:00 Session 2 – **Technological advancements**

	ROOM 1: Breast & GYNAE	ROOM 2: BRAPHYQS	ROOM 3: Industry
08:30-08:50	Intra-operative imaging with mobile CT – technical features. <i>Speaker: Christoph Bert (DE)</i>	Image-guided robotic brachytherapy: AAPM/ESTRO TG 192, 342 and the UMC Utrecht Single Needle Implant Device <i>Speaker: Rien Moerland (NL)</i>	08:30-08:45 This is why we do what we do. <i>Speaker: Maarten ter Mors (Elekta)</i> 08:45-09:00 Brachytherapy: unleash the potential. <i>Speaker: Ekta Jhala (Varian)</i>
08:50-09:10	Intra-operative imaging with mobile CT: First clinical experiences <i>Speaker: Vratislav Strnad (DE)</i>	EMT-based assessment of treatment errors and uncertainties <i>Speaker: Christopher Dürrbeck (DE)</i>	09:00-09:10 Panel discussion Moderators: <i>Ina Jürgenliemk-Schulz (NL), Bradley Pieters (NL)</i>

What's next? Emerging opportunities

09:20-09:40	Intra-operative imaging with mobile CT – technical features. <i>Speaker: Christoph Bert (DE)</i>	Image-guided robotic brachytherapy: AAPM/ESTRO TG 192, 342 and the UMC Utrecht Single Needle Implant Device <i>Speaker: Rien Moerland (NL)</i>	09:20-09:35 Brachyplanning in RayStation <i>Speaker: Elin Zambeaux (Raysearch)</i> 09:35-09:50 4D Brachytherapy: excellent long term survival outcomes <i>Speaker: Prof Stephen Langley (BXTAccelyon)</i>
09:40-10:00	Intra-operative imaging with mobile CT: First clinical experiences <i>Speaker: Vratislav Strnad (DE)</i>	EMT-based assessment of treatment errors and uncertainties <i>Speaker: Christopher Dürrbeck (DE)</i>	09:50-10:00 Panel Discussion Moderators: <i>Ina Jürgenliemk-Schulz (NL), Bradley Pieters (NL)</i>

10:00-10:30 **Coffee/tea**

11:00-12:30 Session 3 – **Applicators and treatment planning**

	ROOM 1: BRAPHYQS	ROOM 2: Skin	ROOM 3: GI-GEC
11:00-11:20	Commissioning and implementation of Model-Based Dose Calculation Algorithms in Brachytherapy: <i>Speaker Javier Vijande (ES)</i>	Traditional mould technique vs 3D printing: clinical management <i>Speaker: Piotr Wojcieszek (PL)</i>	Impact of endoesophageal BT applicator's diameter on mucosal surface doses . <i>Speaker: Erik van Limbergen (BE)</i>
11:20-11:40	Brachytherapy and EBRT in combination. What a physicist should consider <i>Speaker: Taran Paulsen-Hellebust (NO)</i>	Traditional mould technique vs 3D printing: new algorithms and dosimetric implication <i>Speaker: Elisa Placidi (IT)</i>	New applicator developments for rectal contact BT <i>Speaker: Evert Van Limbergen (NL)</i>
11.50-12:10	Commissioning and implementation of Model-Based Dose Calculation Algorithms in Brachytherapy: <i>Speaker: Javier Vijande (ES)</i>	Traditional mould technique vs 3D printing: clinical management <i>Speaker: Piotr Wojcieszek (PL)</i>	Impact of endoesophageal BT applicator's diameter on mucosal surface doses . <i>Speaker: Erik van Limbergen (BE)</i>
12:10-12:30	Brachytherapy and EBRT in combination. What a physicist should consider <i>Speaker: Taran Paulsen-Hellebust (NO)</i>	Traditional mould technique vs 3D printing: new algorithms and dosimetric implication <i>Speaker: Elisa Placidi(IT)</i>	New applicator developments for rectal contact BT <i>Speaker: Evert Van Limbergen (NL)</i>

12:30-13:45 **Lunch**

What's next? Emerging opportunities

13:45-15:15 Session 4 – **Clinical studies**

	ROOM 1: GYNAE	ROOM 2: UroGEC	ROOM 3: Breast
13:45-14:25	13:45-14:25 EMBRACE III studies: overall frame <i>Speaker: Remi Nout (NL)</i> EMBRACE III registration study <i>Speaker: Max Schmid (AT)</i>	13:45-14:05 The partial prostate brachytherapy trial (POWER): Update <i>Speaker: Bradley Pieters (NL)</i>	13:45-14:05 vAPBI prospective phase I/II multicenter trial: Feasibility and early results. <i>Speaker: Jose L Guinot (ES)</i>
	EMBRACE III low risk: de-escalation of EBRT and BT in low risk patients <i>Speaker: Kari Tanderup (DK)</i>	14:05-14:25 Stereotactic prostate radiotherapy (SABR): the role of brachytherapy boost <i>Speaker: David Buchser Garcia (ES)</i>	14:05-14:25 Salvage mastectomy versus 2nd conservative treatment for second Ipsilateral Breast Tumor Event <i>Speaker: Jean-Michel Hannoun-Levi (FR)</i>
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15:15-15:30 **Coffee/tea**

15:30-16:30 Session 5 – **Shaping the Future** (plenary)

PLENARY	ROOM 1	ROOM 2	ROOM 3
15:30-15:50	Artificial Intelligence based treatment planning, a translational perspective. <i>Speaker: Danique Barten (NL)</i>		
15:50-16:10	E-PROMS: internet-based quality of life measures for brachytherapy <i>Speaker: Alex Stewart (UK)</i>		
16:10-16:30	Pediatric brachytherapy <i>Speaker: Sophie Espenel (FR)</i>		



What's next? Emerging opportunities

16:30-17:00 Wrap up and end of meeting, *Vratislav Strnad (DE)*, Chair-elect, GEC-ESTRO Committee

GEC-ESTRO thanks:

Our sponsors: Alpha Tau Medical, BXTAccelyon, Elekta, RaySearch Laboratories and Varian for their support in the organisation of this workshop and in the activities of this Committee.

