

9 – 10 February 2022, Online

Programme

Wednesday 9 February (time zone CET)

16.00-16.10 Welcome: *Ina Jürgenliemk-Schulz (NL)*, Chair GEC-ESTRO Committee

16.10-17.20 Session 1 – **Spectrum of Opportunities**

		Chair: <i>Marisol De Brabandere (BE)</i>
16.10-16.30	H&N/Eye	Integrated treatments in H&N and Eye Brachytherapy <i>Speaker: Luca Tagliaferri (IT)</i> <i>Chair QA/Chat: Marisol De Brabandere (BE)</i>
16.30-16.50	GI-GEC	Dose response in rectal cancer with brachytherapy <i>Speaker: Ane Appelt (UK)</i> <i>Chair QA/Chat: Alexandra Stewart (UK)</i>
16.50-17.10	GYNAE	"Combination of immunotherapy and radiotherapy in gynaecological cancer" <i>Speaker: Cyrus Chargari (FR)</i> <i>Chair QA/Chat: Kari Tanderup (DK)</i>
17.10-17.20		Discussion

17.20-17.30 Break

17.30-19.00 Session 2 – **Technological advancements (1)**

		Chair: <i>Ina Jürgenliemk-Schulz (NL)</i>
17.30-17.50	BRAPHYQS	Image-guided robotic brachytherapy: AAPM/ESTRO TG 192, 342 and the UMC Utrecht Single Needle Implant Device <i>Speaker: Rien Moerland (NL)</i> <i>Chair QA/Chat: Frank-Andre Siebert (DE)</i>
17.50-18.10		EMT-based assessment of treatment errors and uncertainties <i>Speaker: Christopher Dürrbeck (DE)</i> <i>Chair QA/Chat: Marisol De Brabandere (BE)</i>
18.10-18.50	ELEKTA Satellite symposium	Achieving high quality Brachytherapy in any setting <i>Speakers: Vratislav Strnad (DE)</i> <i>Christoph Bert (DE)</i> <i>Ruud van Leeuwen (NL)</i> <i>Chair QA/Chat: Peter Hoskin (UK)</i>
18.50-19.00		Discussion and Wrap up day one <i>Speaker: Ina Jürgenliemk-Schulz (NL)</i>

Thursday 10 February (time zone CET)

08.30-10.00 Session 3 – **Technological advancements (2)**

Welcome: *Ina Jürgenliemk-Schulz (NL)*

		Chair: <i>Ina Jürgenliemk-Schulz (NL)</i>
08.30-08.50	Breast	Intra-operative imaging with mobile CT – technical features. <i>Speaker: Christoph Bert (DE)</i> <i>Chair QA/Chat: Jean-Michel Hannoun-Levi (FR)</i>
08.50-09.10		Intra-operative imaging with mobile CT: First clinical experiences <i>Speaker: Vratislav Strnad (DE)</i> <i>Chair QA/Chat: Jean-Michel Hannoun-Levi (FR)</i>
09.10-09.30	ELEKTA	A world where everyone has access to the best...image-guided, interventional radiotherapy.....Or: #thisiswhywedowhatwedo <i>Speaker: Maarten ter Mors</i> <i>Chair QA/Chat: Bradley Pieters (NL)</i>
09.30-09.50	VARIAN	Brachytherapy: Unleash the Potential <i>Speaker: Ekta Jhala</i> <i>Chair QA/Chat: Kari Tanderup (DK)</i>

9.50.-10.00 Break

10.00-12.00 Session 4 – **Applicators and treatment planning**

		Chair: <i>Peter Hoskin (UK)</i>
10.00-10.20	Skin	Traditional mould technique vs 3D printing: clinical management <i>Speaker: Piotr Wojcieszek (PL)</i> <i>Chair QA/Chat: Luca Tagliaferri (IT)</i>
10.20-10.40		Traditional mould technique vs 3D printing: new algorithms and dosimetric implication <i>Speaker: Elisa Placidi (IT)</i> <i>Chair QA/Chat: Luca Tagliaferri (IT)</i>
10.40-11.00	GI-GEC	Impact of endoesophageal BT applicator' s diameter on mucosal surface doses . <i>Speaker: Erik van Limbergen (BE)</i> <i>Chair QA/Chat: Alexandra Stewart (UK)</i>
11.00-11.20		New applicator developments for rectal contact BT <i>Speaker: Evert Van Limbergen (NL)</i> <i>Chair QA/Chat: Alexandra Stewart (UK)</i>
11.20-11.40	BRAPHYQS	Commissioning and implementation of Model-Based Dose Calculation Algorithms in Brachytherapy: <i>Speaker Javier Vijande (ES)</i> <i>Chair QA/Chat: Frank-Andre Siebert (DE)</i>
11.40-12.00		Brachytherapy and EBRT in combination. What a physicist should consider

What's next? Emerging opportunities

		<p>Speaker: Taran Paulsen-Hellebust (NO) Chair QA/Chat: Frank-Andre Siebert (DE)</p>
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12.00-13.00 Break

13.00-15.20 Session 5 – **Clinical studies**

		Chair: Frank-Andre Siebert (DE)
13.00-13.20	UroGEC	The partial prostate brachytherapy trial (POWER): Update Speaker: Bradley Pieters (NL) Chair QA/Chat: Peter Hoskin (UK)
13.20-13.40		Stereotactic prostate radiotherapy (SABR): the role of brachytherapy boost Speaker: David Buchser Garcia (ES) Chair QA/Chat: Peter Hoskin (UK)
13.40-14.00	Breast	vAPBI prospective phase I/II multicenter trial: Feasibility and early results. Speaker: Jose L Guinot (ES) Chair QA/Chat: Vratislav Strnad (DE)
14.00-14.20		Salvage mastectomy versus 2nd conservative treatment for second Ipsilateral Breast Tumor Event Speaker: Jean-Michel Hannoun-Levi (FR) Chair QA/Chat: Vratislav Strnad (DE)
14.20-14.40	GYNAE	EMBRACE III studies: overall frame Speaker: Remi Nout (NL) Chair QA/Chat: Cyrus Chargari (FR)
14.40-15.00		EMBRACE III registration study Speaker: Max Schmid (AT) Chair QA/Chat: Kari Tanderup (DK)
15.00-15.20		EMBRACE III low risk: de-escalation of EBRT and BT in low risk patients Speaker: Kari Tanderup (DK) Chair QA/Chat: Ina Jürgenliemk-Schulz (NL)

15.20-15.30 Break

15.30-17.00 Session 6– **Shaping the Future**

	Chair: Ina Jürgenliemk-Schulz (NL)
15.30-15.50	Artificial Intelligence based treatment planning, a translational perspective. Speaker: Danique Barten (NL) Chair QA/Chat: Bradley Pieters (NL)
15:50-16:10	E-PROMS: internet-based quality of life measures for brachytherapy Speaker: Alex Stewart (UK) Chair QA/Chat: Luca Tagliaferri (IT)
16:10-16:30	Pediatric brachytherapy



What's next? Emerging opportunities

	<i>Speaker: Sophie Espenel (FR)</i> <i>Chair QA/Chat: Cyrus Chargari (FR)</i>
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16:30-17:00 Wrap up and end of meeting, *Vratislav Strnad (DE)*, Chair-elect, GEC-ESTRO Committee

GEC-ESTRO thanks:

Our sponsors: Elekta and Varian for their support in the organisation of this workshop and in the activities of this Committee.

