

9 – 10 February 2022, Online

### Programme

#### Wednesday 9 February

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 | <b>H&amp;N/Eye</b> | Integrated treatments in H&N and Eye Brachytherapy<br><i>Speaker: Luca Tagliaferri (IT)</i><br><i>Chair QA/Chat: Marisol De Brabandere (BE)</i>             |
| 16.30-16.50 | <b>GI-GEC</b>      | Dose response in rectal cancer with brachytherapy<br><i>Speaker: Ane Appelt (UK)</i><br><i>Chair QA/Chat: Alexandra Stewart (UK)</i>                        |
| 16.50-17.10 | <b>GYNAE</b>       | "Combination of immunotherapy and radiotherapy in gynaecological cancer"<br><i>Speaker: Cyrus Chargari (FR)</i><br><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 | <b>BRAPHYQS</b>  | Image-guided robotic brachytherapy: AAPM/ESTRO TG 192, 342 and the UMC Utrecht Single Needle Implant Device<br><i>Speaker: Rien Moerland (NL)</i><br><i>Chair QA/Chat: Frank-Andre Siebert (DE)</i> |
| 17.50-18.10 |                  | EMT-based assessment of treatment errors and uncertainties<br><i>Speaker: Christopher Dürrbeck (DE)</i><br><i>Chair QA/Chat: Marisol De Brabandere (BE)</i>   |
| 18.10-18.30 | <b>Companies</b> | Company 1   |
| 18.30-18.50 |                  | Company 2   |
| 18.50-19.00 |                  | Discussion and Wrap-up Day one<br><i>Speaker: Ina Jürgenliemk-Schulz (NL)</i>   |

### Thursday 10 February

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 | <b>Breast &amp; GYNAE</b> | Intra-operative imaging with mobile CT – technical features.<br><i>Speaker: Christoph Bert (DE)</i><br><i>Chair QA/Chat: Jean-Michel Hannoun-Levi (FR)</i>         |
| 08.50-09.10 |                           | Intra-operative imaging with mobile CT: First clinical experiences<br><i>Speaker: Vratislav Strnad (DE)</i><br><i>Chair QA/Chat: Jean-Michel Hannoun-Levi (FR)</i> |
| 09.10-09.30 | <b>Companies</b>          | Company 3  |
| 09.30-09.50 |                           | Company 4  |

### 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 | <b>Skin</b>     | Traditional mould technique vs 3D printing: clinical management<br><i>Speaker: Piotr Wojcieszek (PL)</i><br><i>Chair QA/Chat: Luca Tagliaferri (IT)</i>                               |
| 10.20-10.40 |                 | Traditional mould technique vs 3D printing: new algorithms and dosimetric implication<br><i>Speaker: Elisa Placidi (IT)</i><br><i>Chair QA/Chat: Luca Tagliaferri (IT)</i>            |
| 10.40-11.00 | <b>GI-GEC</b>   | Impact of endoesophageal BT applicator' s diameter on mucosal surface doses .<br><i>Speaker: Erik van Limbergen (BE)</i><br><i>Chair QA/Chat: Alexandra Stewart (UK)</i>              |
| 11.00-11.20 |                 | New applicator developments for rectal contact BT<br><i>Speaker: Evert Van Limbergen (NL)</i><br><i>Chair QA/Chat: Alexandra Stewart (UK)</i>   |
| 11.20-11.40 | <b>BRAPHYQS</b> | Commissioning and implementation of Model-Based Dose Calculation Algorithms in Brachytherapy:<br><i>Speaker Javier Vijande (ES)</i><br><i>Chair QA/Chat: Frank-Andre Siebert (DE)</i> |
| 11.40-12.00 |                 | Brachytherapy and EBRT in combination. What a physicist should consider<br><i>Speaker: Taran Paulsen-Hellebust (NO)</i><br><i>Chair QA/Chat: Frank-Andre Siebert (DE)</i>             |

### 12.00-13.00 Break

## What's next? Emerging opportunities

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

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

**15.20-15.30 Break**

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

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

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