

**Interdisciplinary practical training course on  
 Brachytherapy (interventional RT) in cervical cancer**

 Workshop  
**26–28 March 2025**  
 Rome, Italy

**Wednesday, March 26**

<b>Course opening</b>			
12:30-12:45	Gemelli ART welcome Interventional Oncology Center (IOC) welcome  Faculty introduction	Maria Antonietta Gambacorta Luca Tagliaferri  Faculty	Aula Forum
12:45-12:50	BrachyAcademy welcome	Elena Dizendorf	Aula Forum
12:50-13:00	Course program overview	Luca Tagliaferri	Aula Forum
<b>SESSION 1. Imaging in GYN brachytherapy, Participant introduction</b>			
13:00 – 14:20	Imaging:  MRI, CT: general information (20')  Ultrasound: general information (20')  The use of imaging in brachytherapy procedures (20')  Discussion (20')	  Benedetta Gui  Francesca Moro  Luca Russo  Faculty and attendees	Aula Forum
14:20 – 14:50	Presentations of the participating teams	Attendees	Aula Forum
<b>14:50 – 15:10</b>	<b>Coffee break</b>		
<b>SESSION 2. Tumor Board and Patient planning</b>			
15:10-17:10	Tumor Board:  Discussion of cervical cancer patients' management	Chair: Luca Tagliaferri (RO)  Valentina Lancellotta (RO) Alina Sturdza (RO) Rosa Autorino (RO) Gabriella Macchia (RO) Claudia Marchetti (GYN) Benedetta Gui (Radiologist) Giuseppe Colloca (Onco-geriatrician)	Aula Forum
17:10-17:40	“Real life” patient planning for brachytherapy” <i>what should we do before the procedure?</i>  <ul style="list-style-type: none"> <li>• Radiation Oncologist point of view (10')</li> <li>• Anesthesiologist point of view (20')</li> </ul>	Chair: Bruno Fionda (RO)  Martina De Angelis (RO) Giuliano Ferrone (Anesthesiologist)	Aula Forum
17:40-18:30	Brachytherapy care coordination for Nurses, RTTs and teams	Kayla Kafka-Peterson (Nurse)	Aula Forum
<b>19:30-22:00</b>	<b>“Aperitivo” and dinner with participants and faculty in a “typical roman restaurant”</b>		

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### Thursday, March 27

Time	Lecture/activity	Presenter/ Moderator	Location
<b>SESSION 3. GYN brachytherapy procedure</b>			
9:00-9:40	<b>Group 1.</b> General information on operating room organization (staff, instruments, equipment) (15')	Bruno Fionda Leonardo Bannoni	Operating Room
	<b>Group 2.</b> Pre-procedure QA (15') Followed by group rotation	Elisa Placidi Patricia	Aula Forum
9:40-10:30	GYN brachytherapy procedure video (20') Discussion (30')	Bruno Fionda Valentina Lancellotta	Aula Forum
<b>10:30–10:50</b>	<b>Coffee break</b>		
<b>SESSION 4. Lectures: Rationale for interstitial needles, contouring, applicator reconstruction and treatment planning</b>			
10:50-11:50	Basic information on how to preplan an implant, when to use intracavitary only and when interstitial needles	Alina Sturdza	Aula Forum
11:50-12:10	From pre-IRT MRI to CT with applicator in situ: Basics of contouring	Luca Russo Valentina Lancellotta	Aula Forum
12:10-13:10	Basics of applicator reconstruction and planning	Christian Kirisits	Aula Forum
<b>SESSION 5. Patient journey: Patient 1</b>			
13:10-13:40	Case presentation	Martina De Angeli	Aula Forum
	Discussion: - Pre-IRT MRI - Applicator selection	Luca Russo Alina Sturdza Valentina Lancellotta	
<b>13:40 – 14:25</b>	<b>Lunch</b>		
14:25-15:25	Hands-on training ( <b>Radiation Oncologists</b> ): Applicator insertion with and w/o TRUS guidance	Alina Sturdza Martina De Angeli Valentina Lancellotta	Aula Forum
	OR Hands-on training ( <b>Medical Physicists</b> ): Applicator reconstruction	Christian Kirisits Elisa Placidi Enrico Rosa Michael Niekamp	Exercise room
	OR Practical session ( <b>Nurses and RTTs</b> ): Brachytherapy team basics (15') Direct bedside patient care – Day of treatment (45')	Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione	Room TBA
15:25-16:25	Hands-on training ( <b>ROs + Medical Physicists</b> ): CT-based contouring using pre-IRT MRI	Faculty (involving Radiologist - Luca Russo)	Aula Forum
	OR Practical session ( <b>Nurses and RTTs</b> ): Anesthesia and pain control in GYN brachytherapy	Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione	Room TBA
<b>16:25 – 16:45</b>	<b>Coffee break</b>		
16:45-17:45	Hands-on training ( <b>ROs + Medical Physicists</b> ): Treatment planning and evaluation	Faculty	Aula Forum
	OR Practical session ( <b>Nurses and RTTs</b> ): Applicators management and technical QA	Patrizia Cornacchione	Room TBA

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17:45-18:00	Discussion: Patient 1	All	Aula Forum
18:00-18:30	The Patient Centric Approach: the Gemelli ART vision	Luca Tagliaferri	Aula Forum
18:30-19:30	Gemelli ART tour in groups	Bruno Fionda (Ward) Valentina Lancellotta (IOC) Elisa Marconi (Children) Silvia Chiesa (EBRT) Sara Scalise (IOC and Ward) Leonardo Bannoni	Gemelli ART

**Friday, March 28**

Time	Lecture/activity	Presenter/ Moderator	Location
<b>SESSION 6. Patient journey: Patient 2. Patient care</b>			
9:00-9:30	Patient Care and psychological aspect	Loredana Dinapoli	Aula Forum
9:30-10:00	Case presentation  Discussion: - Pre-IRT MRI - Applicator selection	Martina De Angeli  Luca Russo Alina Sturdza Valentina Lancellotta	Aula Forum
10:00-11:15	Hands-on training ( <b>Radiation Oncologists</b> ): Applicator and straight needles insertion with and w/o TRUS guidance  OR Hands-on training ( <b>Medical Physicists</b> ): Treatment planning and workflow optimization  OR Practical session ( <b>Nurses and RTTs</b> ): Complications during brachytherapy	Alina Sturdza Martina De Angeli Valentina Lancellotta  Christian Kirisits Elisa Placidi Enrico Rosa Michael Niekamp  Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione	Aula Forum  Exercise room  Room TBA
<b>11:15 – 11:35</b>	<b>Coffee Break</b>		
11:35-12:50	Hands-on training ( <b>ROs + Medical Physicists</b> ): CT-based contouring using pre-IRT MRI  OR Practical session ( <b>Nurses and RTTs</b> ): Brachytherapy patient education. Team education	Faculty (involving Radiologist - Luca Russo)  Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione	Aula Forum
12:50-14:05	Hands-on training ( <b>ROs + Medical Physicists</b> ): Treatment planning and evaluation  OR Practical session ( <b>Nurses and RTTs</b> ): Nurses and RTTs as team leaders. Looking towards the future for brachytherapy nurses and RTTs	Faculty  Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione	Aula Forum
14:05-14:20	Discussion: Patient 2	All	Aula Forum
<b>Course closing</b>			
14:20-14:50	Final discussion	All	Aula Forum
14:50-15:00	Course evaluation, closing	Luca Tagliaferri, Elena Dizendorf	Aula Forum