

# Interdisciplinary Practical Training Course on Modern Brachytherapy (Interventional Radiotherapy) in Head & Neck and Skin Cancers

**Wednesday, November 25**

Course opening			
<b>11:00 – 12:00</b>	<b>Registration and Snacks</b>		
12:00-12:15	Gemelli ART and Interventional Oncology Center (IOC) welcome  Faculty introduction	Maria Antonietta Gambacorta Ketti Peris Jacopo Galli Luca Tagliaferri  Faculty	Aula Forum
12:15-12:30	BrachyAcademy welcome and course program overview	Elena Dizendorf Bruno Fionda	Aula Forum
SESSION 1. Imaging in H&N and skin Interventional RT, Participants introduction			
12:30 – 13:55	Diagnostic workup:  Ultrasound (FNAB): general information (15')  MRI: general information (15')  CT: general information (15')  CT-PET: general information (15')  Endoscopy (15')  Discussion (15')	Chair: Francesco Bussu  Lea Calò  Simona Gaudino  Marco Panfili  Salvatore Annunziata  Claudio Parrilla  Faculty and attendees	Aula Forum
14:00 – 15:00	Presentations of the participating teams	Attendees	Aula Forum
<b>15:00 – 15:20</b>	<b>Coffee break</b>		
SESSION 2. Tumor Board and Patient planning			
15:20-17:40	<b>Tumor Board (HN and Skin):</b>  Discussion of H&N and skin patients' management  Clinical cases presented by Pierpaolo Dragonetti  Interventional Radiotherapy as retreatment approach	Chairs: Ketty Peris (DER) Jacopo Galli (ENT) Luca Tagliaferri (RO)  Bruno Fionda (RO) Piotr Wojcieszek (RO) Valentina Lancellotta (RO) Francesco Bussu (ENT) Mario Rigante (ENT) Claudio Parrilla (ENT) Andrea Paradisi (DER) Alessandro Di Stefani (DER/PAT) Marco Panfili (RAD) Giuliano Ferrone (Anesthesiologist)	Aula Forum
17:40-18:10	“Real life” patient planning for interventional RT: <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)  Pierpaolo Dragonetti (RO) Giuliano Ferrone (Anesthesiologist)	Aula Forum
<b>19:15-22:30</b>	<b>“Aperitivo” and dinner with participants and faculty in a “typical roman cuisine restaurant”</b>		

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**Thursday, November 26**

Time	Lecture/activity	Presenter/ Moderator	Location
<b>SESSION 3. H&amp;N and skin interventional radiotherapy procedure</b>			
8:30-9:10	<b>Group 1.</b> General information on operating room organization (staff, instruments, equipment) (20')	Martina De Angeli Leonardo Bannoni	Operating Room
	<b>Group 2.</b> Pre-procedure QA (20') Followed by group rotation	Elisa Placidi Patrizia Cornacchione	Aula Forum
<b>SESSION 4. Lectures: Rationale for interstitial and contact implant, needles and flap reconstruction and planning</b>			
9:10-9:40	Radiobiology in HN and Skin Interventional Radiotherapy	Luca Tagliaferri	Aula Forum
9:40-10:55	Basic information on how to perform an interstitial and contact implant in H&N and skin:  <ul style="list-style-type: none"> <li>- The ENT point of view – Anatomical implantation, the issue of organ preservation (30')</li> <li>- The DER point of view – the issue of margins (15')</li> <li>- The RO point of view – contact or interstitial approach, the issue of technique (30')</li> </ul>	Jacopo Galli	Aula Forum
		Alessandro Di Stefani	
		Piotr Wojcieszek	
<b>10:55–11:25</b>	<b>Coffee break</b>		
11:25-12:10	Basics of needles and flap reconstruction and planning	Elisa Placidi/Enrico Rosa	Aula Forum
<b>SESSION 5. Patient journey: Patient 1. Gemelli ART tour</b>			
12:10-13:10	Nasal Vestibule overview (20')	Francesco Bussu	Aula Forum
	Case presentation (nose vestibule) (5')	Dario Mele	
	Discussion (35'): <ul style="list-style-type: none"> <li>- Pre-IRT diagnostic workup</li> <li>- Implant challenges</li> </ul>	Bruno Fionda Piotr Wojcieszek Stefano Settimi	
		<b>13:10 – 14:10 Lunch</b>	
14:10-15:10	Hands-on flipped training ( <b>Radiation Oncologists</b> ): Needles insertion (nose vestibule)	Luca Tagliagerrri Piotr Wojcieszek Bruno Fionda	Aula Forum
	OR  Hands-on training ( <b>Medical Physicists</b> ): Needles reconstruction	Elisa Placidi Enrico Rosa Michael Niekamp	Exercise room
15:10-16:10	Hands-on training ( <b>ROs + Medical Physicists</b> ): CT-based contouring	Faculty	Aula Forum
<b>16:10 – 16:30</b>	<b>Coffee break</b>		

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16:30-17:30	Hands-on training ( <b>ROs + Medical Physicists</b> ): Treatment planning and evaluation	Faculty	Aula Forum
17:30-18:00	Discussion: Patient 1	All	Aula Forum
18:00-18:40	Gemelli ART tour in groups	Bruno Fionda (Ward) Valentina Lancellotta (IOC) Elisa Marconi (Children) Silvia Chiesa (EBRT) Sara Scalise (IOC and Ward) Leonardo Bannoni (Ward)	Gemelli ART

### Friday, November 27

Time	Lecture/activity	Presenter/ Moderator	Location
<b>SESSION 6. Radiobiology and patient care. Patient Journey: Patient 2.</b>			
9:00-9:30	Patient Care and psychological aspect	Loredana Dinapoli	Aula Forum
9:30-10:30	Skin cancer overview (20')  Case presentation (ear)  Discussion: - Pre-IRT diagnostic workup - Implant challenges	Luca Tagliaferri  Maria Concetta La Milia  Bruno Fionda Alessandro Di Stefani Piotr Wojcieszek	Aula Forum
<b>10:30 – 10:50</b>	<b>Coffee Break</b>		
10:50-11:50	Hands-on flipped training ( <b>Radiation Oncologists</b> ): Mould preparation (ear) Video on 3D printing approach (5')  OR  Hands-on training ( <b>Medical Physicists</b> ): Flap Reconstruction	Piotr Wojcieszek Bruno Fionda  Elisa Placidi Enrico Rosa Michael Niekamp	Aula Forum  Exercise room
11:50-12:35	Hands-on training ( <b>ROs + Medical Physicists</b> ): CT-based contouring	Faculty	Aula Forum
12:35-13:20	Hands-on training ( <b>ROs + Medical Physicists</b> ): Treatment planning and evaluation	Faculty	Aula Forum
13:20-13:40	Discussion: Patient 2	All	Aula Forum
<b>13:40</b>	<b>Lunch box</b>		
<b>Course closing</b>			
13:40-14:05	Final discussion	All	Aula Forum
14:05-14:20	Course evaluation, closing	Luca Tagliaferri Elena Dizendorf	Aula Forum