

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

Wednesday, November 25

Course opening			
11:00 – 12:00	Registration and Snacks		
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 – 14:00	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 – 14:50	Presentations of the participating teams	Attendees	Aula Forum
14:50 – 15:20	AGORA session	Attendees from selected centers	Aula Forum
15:20 – 15:40	Coffee break		
SESSION 2. Tumor Board and Patient planning			
15:40-17:40	Tumor Board (HN and Skin): 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> - Radiation Oncologist point of view (10') - Anesthesiologist point of view (20')	Chair: Bruno Fionda (RO) Pierpaolo Dragonetti (RO) Giuliano Ferrone (Anesthesiologist)	Aula Forum
19:15-22:30	“Aperitivo” and dinner with participants and faculty in a “typical roman cuisine restaurant”		

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Thursday, November 26

Time	Lecture/activity	Presenter/ Moderator	Location
SESSION 3. H&N and skin interventional radiotherapy procedure			
8:30-9:10	Group 1. General information on operating room organization (staff, instruments, equipment) (20')	Martina De Angeli Leonardo Bannoni	Operating Room
	Group 2. Pre-procedure QA (20') Followed by group rotation	Elisa Placidi Patrizia Cornacchione	Aula Forum
SESSION 4. Lectures: Rationale for interstitial and contact implant, needles and flap reconstruction and planning			
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: - The ENT point of view – Anatomical implantation, the issue of organ preservation (30') - The DER point of view – the issue of margins (15') - The RO point of view – contact or interstitial approach, the issue of technique (30')	Jacopo Galli Alessandro Di Stefani Piotr Wojcieszek	Aula Forum
10:55–11:25	Coffee break		
11:25-12:10	Basics of needles and flap reconstruction and planning	Elisa Placidi/Enrico Rosa	Aula Forum
SESSION 5. Patient journey: Patient 1. Gemelli ART tour			
12:10-13:10	Nasal Vestibule overview (20') Case presentation (nose vestibule) (5') Discussion (35'): - Pre-IRT diagnostic workup - Implant challenges	Francesco Bussu Dario Mele Bruno Fionda Piotr Wojcieszek Stefano Settimi	Aula Forum
13:10 – 14:10	Lunch		
14:10-15:10	Hands-on flipped training (Radiation Oncologists): Needles insertion (nose vestibule) OR Hands-on training (Medical Physicists): Needles reconstruction	Luca Tagliagerri Piotr Wojcieszek Bruno Fionda Elisa Placidi Enrico Rosa Michael Niekamp	Aula Forum Exercise room
15:10-16:10	Hands-on training (ROs + Medical Physicists): CT-based contouring	Faculty	Aula Forum
16:10 – 16:30	Coffee break		

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16:30-17:30	Hands-on training (ROs + Medical Physicists): 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
SESSION 6. Radiobiology and patient care. Patient Journey: Patient 2.			
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
10:30 – 10:50	Coffee Break		
10:50-11:50	Hands-on flipped training (Radiation Oncologists): Mould preparation (ear) Video on 3D printing approach (5') OR Hands-on training (Medical Physicists): Flap Reconstruction	Piotr Wojcieszek Bruno Fionda Elisa Placidi Enrico Rosa Michael Niekamp	Aula Forum Exercise room
11:50-12:35	Hands-on training (ROs + Medical Physicists): CT-based contouring	Faculty	Aula Forum
12:35-13:20	Hands-on training (ROs + Medical Physicists): Treatment planning and evaluation	Faculty	Aula Forum
13:20-13:40	Discussion: Patient 2	All	Aula Forum
13:40	Lunch box		
Course closing			
13:40-14:05	Final discussion	All	Aula Forum
14:05-14:20	Course evaluation, closing	Luca Tagliaferri Elena Dizendorf	Aula Forum