

Practical training course “Brachytherapy (interventional RT) in cervical cancer”

Wednesday, March 26

Course opening			
12:30-12:45	Gemelli ART welcome Interventional Oncology Center (IOC) welcome	Maria Antonietta Gambacorta Luca Tagliaferri	Aula Forum
	Faculty introduction	Faculty	
12:45-12:50	BrachyAcademy welcome	Elena Dizendorf	Aula Forum
12:50-13:00	Course program overview	Luca Tagliaferri	Aula Forum

SESSION 1. Imaging in GYN brachytherapy, Participant introduction			
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
14:50 – 15:10	Coffee break		

SESSION 2. Tumor Board and Patient planning			
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) Claudia Marchetti (GYN) Benedetta Gui (Radiologist) Giuseppe Colloca (Onco-geriatrician)	Aula Forum
17:10-18:10	“Real life” patient planning for brachytherapy” <i>what should we do before the procedure?</i> <ul style="list-style-type: none"> • Radiation Oncologist point of view (10') • Anesthetist point of view (20') • RTT point of view (5') • Nurse point of view (5') Discussion: 20'	Chair: Bruno Fionda (RO) Martina De Angelis (RO) Giuliano Ferrone (Anesthesiologist) Leonardo Bannoni (Nurse) Patrizia Cornacchione (RTT)	Aula Forum
18:10-18:30	Back to the Future: The role of artificial intelligence in interventional radiotherapy	Luca Tagliaferri (RO)	Aula Forum
18:30	Walking together to the restaurant		
19:00 – 21:30	“Aperitivo” and dinner with participants and faculty in a “typical roman restaurant”		

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Time	Lecture/activity	Presenter/ Moderator	Location
SESSION 3. GYN brachytherapy procedure video			
9:00-9:30	General information on operating room organization (staff, instruments, equipment)	Bruno Fionda Patrizia Cornacchione Leonardo Bannoni	Aula Forum
9:30-10:30	GYN brachytherapy procedure video (20') Discussion (40')	Luca Tagliaferri Valentina Lancellotta	Aula Forum
10:30–10:50	Coffee break		
SESSION 4. Lectures: Rationale for interstitial needles, contouring, applicator reconstruction and treatment planning			
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
SESSION 5. Patient journey: Patient 1			
13:10-13:40	Case presentation Discussion: - Pre-IRT MRI - Applicator selection	Martina De Angeli Luca Russo Alina Sturdza Valentina Lancellotta	Aula Forum
13:40 – 14:25	Lunch		
14:25-15:25	Hands-on training: Applicator insertion with and w/o TRUS guidance (radiation oncologists) OR Applicator reconstruction (medical physicists*)	Faculty	Exercise room Aula Forum
15:25-16:25	Hands-on training: CT-based contouring using pre-IRT MRI	Faculty (involving Radiologist - Luca Russo)	Aula Forum
16:25 – 16:45	Coffee break		
16:45-17:45	Hands-on training: Treatment planning and evaluation	Faculty	Aula Forum
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	Bruno Fionda (Ward) Valentina Lancellotta (IOC) Elisa Marconi (Children) Silvia Chiesa (EBRT) Sara Scalise (IOC and Ward) Patrizia Cornacchione (IOC)	Gemelli ART

*Physicist team: Christian Kirisits, Elisa Placidi, Enrico Rosa, Michael Niekamp

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Time	Lecture/activity	Presenter/ Moderator	Location
SESSION 6. Patient journey: Patient 2. Patient care			
9:00-9:30	Patient Care and psychological aspect	Valentina Lancellotta 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: Applicator and straight needles insertion with and w/o TRUS guidance (radiation oncologists)	Faculty	Exercise room
	OR Treatment planning and workflow optimization (Medical physicists*)		Aula Forum
11:15 – 11:35	Coffee Break		
11:35-12:50	Hands-on training: CT-based contouring using pre-IRT MRI	Faculty (involving Radiologist - Luca Russo)	Aula Forum
12:50-14:05	Hands-on training: Treatment planning and evaluation	Faculty	Aula Forum
14:05-14:20	Discussion: Patient 2	All	Aula Forum
Course closing			
14:20-14:50	Final discussion	All	Aula Forum
14:50-15:00	Course evaluation, closing	Luca Tagliaferri, Elena Dizendorf	Aula Forum

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26–28 March 2025
Rome, Italy

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