

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

Wednesday, April 22

Course opening			
12:00 – 12:30	Registration and Lunch		
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	Bruno Fionda	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')	Chair: Valentina Lancellotta 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 Clinical cases presented by Maria Concetta La Milia	Chair: Gabriella Macchia (RO) Valentina Lancellotta (RO) Alina Sturdza (RO) Rosa Autorino (RO) Serena Boccia (GYN) Benedetta Gui (Radiologist) Giuseppe Colloca (Onco-geriatrician) Monica Lucente (Anesthesiologist) Niccolò Bizzarri (GYN)	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"> • Radiation Oncologist point of view (10') • Anesthesiologist point of view (20') 	Chair: Bruno Fionda (RO) Martina De Angelis (RO) Monica Lucente (Anesthesiologist)	Aula Forum
17:40-18:30	Brachytherapy care coordination for Nurses, RTTs and teams	Kayla Kafka-Peterson (Nurse) Bernd Wisgrill (RTT)	Aula Forum
19:30-22:00	“Aperitivo” and dinner with participants and faculty in a “typical roman restaurant”		

Thursday, April 23

Time	Lecture/activity	Presenter/ Moderator	Location
SESSION 3. GYN brachytherapy procedure			
9:00-9:40	Group 1. General information on operating room organization (staff, instruments, equipment) (15') Group 2. Pre-procedure QA (15') Followed by group rotation	Martina De Angeli Leonardo Bannoni Elisa Placidi Patrizia Cornacchione	Operating Room Aula Forum
9:40-10:30	GYN brachytherapy procedure video (20') Discussion (30')	Bruno Fionda Valentina Lancellotta	Aula Forum

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10:30–10:50 <i>Coffee break</i>			
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	Maria Concetta Lamilia Luca Russo Alina Sturdza Valentina Lancellotta	Aula Forum
13:40 – 14:25 <i>Lunch</i>			
14:25-15:25	Hands-on training (Radiation Oncologists): Applicator insertion with and w/o TRUS guidance OR Hands-on training (Medical Physicists): Applicator reconstruction OR Practical session (Nurses and RTTs): Brachytherapy team basics (15') Direct bedside patient care – Day of treatment (45')	Alina Sturdza Valentina Lancellotta Martina De Angeli Maria Concetta Lamilia Christian Kirisits Elisa Placidi Enrico Rosa Michael Niekamp Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione Bernd Wisgrill	Aula Forum Exercise room Room TBA
15:25-16:25	Hands-on training (ROs + Medical Physicists): CT-based contouring using pre-IRT MRI OR Practical session (Nurses and RTTs): Anesthesia and pain control in GYN brachytherapy Technical issues during treatment and patient management	Faculty (involving Radiologist - Luca Russo) Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione Bernd Wisgrill	Aula Forum Room TBA
16:25 – 16:45 <i>Coffee break</i>			
16:45-17:45	Hands-on training (ROs + Medical Physicists): Treatment planning and evaluation OR Practical session (Nurses and RTTs): Applicators management and technical QA	Faculty Patrizia Cornacchione Bernd Wisgrill	Aula Forum Room TBA
17:45-18:00	Discussion: Patient 1	All	Aula Forum
18:00-19:00	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

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Friday, April 24

Time	Lecture/activity	Presenter/ Moderator	Location
SESSION 6. Patient journey: Patient 2. Patient care			
8:30-9:00	Patient Care and psychological aspect	Loredana Dinapoli	Aula Forum
09:00-09:30	The Patient Centric Approach: the Gemelli ART vision	Luca Tagliaferri	Aula Forum
9:30-10:00	Case presentation Discussion: - Pre-IRT MRI - Applicator selection	Maria Concetta Lamilia Luca Russo Alina Sturdza Valentina Lancellotta	Aula Forum
10:00-11:15	Hands-on training (Radiation Oncologists): Applicator and straight needles insertion with and w/o TRUS guidance OR Hands-on training (Medical Physicists): Treatment planning and workflow optimization OR Practical session (Nurses and RTTs): Complications during brachytherapy	Alina Sturdza Valentina Lancellotta Martina De Angeli Maria Concetta Lamilia Christian Kirisits Elisa Placidi Enrico Rosa Michael Niekamp Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione Bernd Wisgrill	Aula Forum Exercise room Room TBA
11:15 – 11:35	Coffee Break		
11:35-12:50	Hands-on training (ROs + Medical Physicists): CT-based contouring using pre-IRT MRI OR Practical session (Nurses and RTTs): Brachytherapy patient education. Team education	Faculty (involving Radiologist - Luca Russo) Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione Bernd Wisgrill	Aula Forum
12:50-14:05	Hands-on training (ROs + Medical Physicists): Treatment planning and evaluation OR Practical session (Nurses and RTTs): Nurses and RTTs as team leaders. Looking towards the future for brachytherapy nurses and RTTs	Faculty Kayla Kafka-Peterson Leonardo Bannoni Patrizia Cornacchione Bernd Wisgrill	Aula Forum
14:05-14:20	Discussion: Patient 2	All	Aula Forum
Course closing			
14:20	Lunch box		
14:20-14:50	Final discussion	All	Aula Forum
14:50-15:00	Course evaluation, closing	Luca Tagliaferri, Elena Dizendorf	Aula Forum