



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

Gemelli



Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore

GART

Advanced Radiation Therapy

MRO.ART²⁰²⁵

35° RESIDENTIAL COURSE

Equity and research in oncology

The subtle balance between personalized medicine and accessibility to care

26-27-28 October 2025

26.10.2025

Ospedale Isola Tiberina - Gemelli Isola

Aula Magna

Via di Ponte Quattro Capi, 39 - 00186 Roma

27-28.10.2025

Fondazione Policlinico Universitario A. Gemelli IRCCS

Aula 617

Largo Agostino Gemelli, 8 - 00168 Roma

Scientific Coordinators:

M.A. Gambacorta

F. Micciché

L. Tagliaferri

Honorary Presidents:

V. Valentini

A.G. Morganti



MRO^{ART}
MODERN RADIATION ONCOLOGY

Endorsed by:

Endorsed by¹
ESTRO

AIRO
LA CURA DI PRECISIONE

Associazione Italiana
Radioterapia
e Oncologia clinica

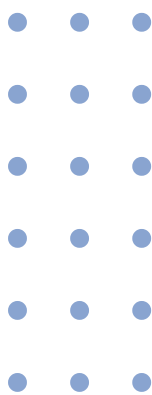
Aiom
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ONCOLOGIA
MEDICA

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EUROPEAN FEDERATION OF ORGANISATIONS FOR MEDICAL PHYSICS



AITRO





In the era of personalized medicine, oncology is undergoing an unprecedented transformation, driven by advances in molecular diagnostics, targeted therapies, radiotherapy innovations, and cutting-edge technologies. While these breakthroughs promise improved patient outcomes and more precise treatments, they also raise critical challenges regarding **equity and accessibility**. The increasing complexity and cost of personalized approaches risk widening the gap between patients who can benefit from these advancements and those who cannot, creating disparities at global, national, and regional levels.

This course aims to explore the subtle balance between cutting-edge oncological research and the need for equitable access to care. Key discussions will address the role of precision medicine in shaping modern oncology, the evolution of radiotherapy techniques for more effective and personalized treatments, the economic and ethical implications of high-cost therapies, and strategies to ensure that innovation remains accessible to all patients, regardless of socioeconomic status or geographic location.

Through a multidisciplinary perspective—including contributions from clinicians, researchers, policymakers, and patient advocates—we will analyze current barriers to accessibility, the sustainability of innovative therapies and radiotherapy technologies, and the policies needed to bridge the gap between research and real-world implementation. By fostering dialogue and collaboration, this course aspires to identify practical solutions that uphold both scientific progress and healthcare equity in oncology.

#PrecisionMedicine

#Radiotherapy

#PersonalizedMedicine

#HealthcareEquity

#HealthcareAccess

Scientific Advisory board:

F. Cellini, F. Deodato, G.C. Mattiucci, L. Indovina,
G. Macchia, L. Boldrini, P. Cornacchione

Scientific Secretariat:

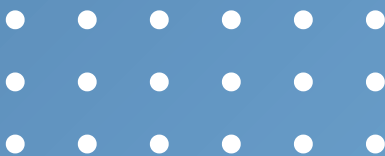
C. Casà, G. Chiloiro, L. Placidi

Meeting Coordinators:

R. Gattuso, V. Caravaggi

Provider:

Università Cattolica del Sacro Cuore



DAY 1

FOOD FOR THOUGHT

Sunday 26 October 2025
Ospedale Isola Tiberina - Gemelli Isola
Day language: ENGLISH

- 13:00-14:15 Registration and light lunch
- 14:15-14:30 Welcoming by Hospital Authorities
A. Gasbarrini, D. Piacentini, S. Alfieri
- 14:30-15:00 Course aim
M.A. Gambacorta, F. Micciché, L. Tagliaferri

OPENING LECTURE

Introduction: *V. Valentini*

- 15:00-15:30 Advanced Cancer Care in Europe: Equity and Access – Vision or Reality? **J. Borras**

INNOVATION AND ACCESS: BALANCING RESEARCH AND EQUITY IN MODERN CANCER CARE (PART 1)

Chairs: *E. Squillaci, A. G. Morganti*

- 15:30-16:20 Image-Driven Oncology: Can Innovation and Equity Go Hand in Hand?
R. Beets-Tan
Advanced Radiotherapy in Europe: A Right for All or a Privilege for a Few? **Y. Lievens**
Q&A
- 16:20-16:50 Coffee break

INNOVATION AND ACCESS: BALANCING RESEARCH AND EQUITY IN MODERN CANCER CARE (PART 2)

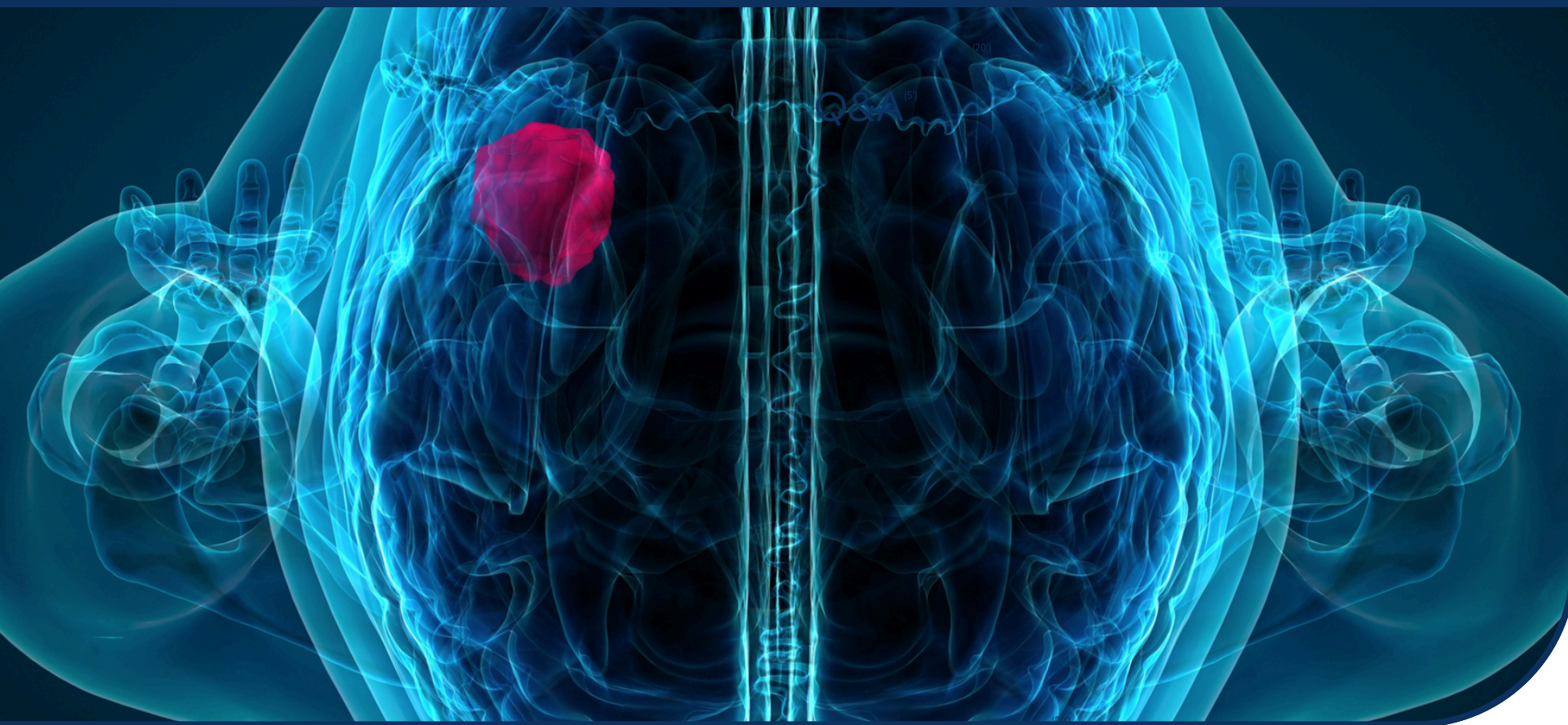
Chairs: *S. Alfieri, F. Micciché*

- 16:50-17:40 Emerging Targets in Systemic Therapy: Smarter Drugs, Broader Access? **G. Tortora**
New Surgical Indications: Pushing Boundaries to Improve Outcomes
G. Beets
Q&A

CLOSING LECTURE

Introduction: *F. Deodato*

- 17:40-18:10 Radiotherapy Research at the Cutting Edge: What’s Next?
U. van der Heide



8:45-9:15 Sponsored lecture (NO ECM) – Aula Vito
Q&A

HEAD & NECK: WHAT'S THE BEST STRATEGY TODAY? INNOVATION, EQUITY AND COST-EFFECTIVENESS

Chairs: *P. Bonomo, M. Massacesi, L. Indovina*

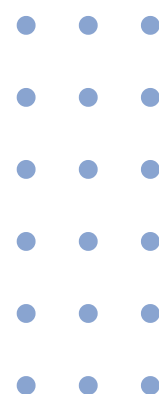
9:30-10:30 Advanced Surgery approaches **J. Galli**
Advanced Radiotherapy Technologies **V. Grégoire**
Innovation and Cost-Effectiveness of Particle Therapy
E. Orlandi
Systemic Therapies in the Era of Immune Checkpoint Inhibitors
and new drugs **P. Bossi**
Q&A

10:30-11:00 Coffee break

LUNG CANCER IN 2025: WHICH STRATEGY DELIVERS THE BEST VALUE? INNOVATION, EQUITY AND COST-EFFECTIVENESS

Chairs: *S. Ramella, L. Boldrini*

11:00-12:00 Adaptive Radiotherapy & Hypofractionation **U. Ricardi**
Immune Checkpoint Inhibitors and Targeted Therapies **E. Bria**
Robotic & Minimally Invasive Surgery **S. Margaritora**
Seeing Lung Cancer Differently: AI and Imaging Innovation from
Diagnosis to Follow-Up **A.R. Larici**
Q&A



BREAST CANCER: INNOVATION, EQUITY AND COST-EFFECTIVENESS IN MODERN TREATMENT STRATEGIES

Chairs: *C. Aristei, F. Marazzi*

- 12:00-13:00** Modern Breast Cancer Surgery **G. Franceschini**
Hypofractionation: A Game Changer in Breast Cancer Treatment? **I. Meattini**
Immunotherapy and ADCs in Breast Cancer: Breakthroughs with a Price? **A. Fabi**
Surface Guided Radiotherapy in Breast Cancer: When and How to Make It Count **F. Moura**
Q&A
- 13:00-13:20** **Keynote lecture 1**
Introduction: **M. Krengli**
The balance between Equity and research in radiation oncology: the ESTRO vision. **B. Jereczek**
- 13:20-14:30** Lunch
- 14:30-14:50** **Keynote lecture 2**
Introduction: **M. A. Gambacorta**
Precision Oncology: How Imaging is Transforming Cancer Diagnosis and Treatment **E. Sala**

INNOVATION AND SUSTAINABILITY IN GYNAECOLOGICAL CANCER CARE

Chairs: *A. Fagotti, V. De Sanctis*

- 14:50-15:50** From Pixels to Precision: how AI and Radiomics are personalizing gynaecologic cancer care **B. Gui**
Integrating Checkpoint Inhibitors with Radiochemotherapy in Locally Advanced Cervical Cancer: A New Standard for All Patients? **G. Macchia**
Molecular Profiling in Endometrial Cancer: Pay More Now, Save More Later? **C. Marchetti**
Transforming Cancer Care with Data: Real-World Evidence and Decision Tools for a More Equitable Future **S. Cilla**
Q&A

EQUITY VS COST-EFFECTIVENESS – WHO WINS IN PROSTATE CANCER TREATMENT?

Chairs: *R.M. D'Angelillo, S. Arcangeli, I. Abu Rumeileh*

- 15:50-16:50** The role of robotic surgery **B. Rocco**
The role of MR-guided radiotherapy **F. Alongi**
The role of interventional radiotherapy **L. Tagliaferri**
The role of modern systemic therapies: from HT to PARP-Inhibitors and Radioligand **T. Zilli**
AI in Prostate Cancer MRI: Matching the Right Treatment to the Right Patient **L. Russo**
Q&A

WHAT WE CAN'T MISS TOMORROW

Chairs: *M. De Spirito, D. Genovesi*

- 16:50-17:50** Advanced imaging biomarker in Radiotherapy Planning **L. Placidi**
Genomics driven oncology **C. Nero**
Theranostics in interdisciplinary cancer care **S. Annunziata**
Computational Pathology and Spatially-Integrated Omics con speaker **K. Zompas Petridis**
Q&A
- 17:50-18:10** **Keynote lecture 3**
Introduction: **F. Landi, F. Cellini**
Radiotherapy for Pain in the Frail and Forgotten: A New Look at Benign Conditions **S. Röeddiger**



9:00-9:30 Sponsored lecture (NO ECM) – Aula Vito
Q&A

9:40-10:00 **Keynote lecture 4**
Introduction: **P.C. Gentile**
Valutazione dei bisogni dei pazienti in oncologia: PROMS **M. Di Maio**

EQUITA’ E ACCESSO ALLE CURE ONCOLOGICHE

Chairs: S. Manfrida, L. Dinapoli

10:00-11:00 Il ruolo del paziente per una ricerca equa ed accessibile **G. Loffredi**
Equità ed accesso alle cure in Radioterapia **S. Pergolizzi**
Equità nell’accesso ai protocolli di ricerca in Oncologia **D. Lorusso**
Q&A

11:00-11:30 SALTY BREAK

ASSISTENZA INTEGRATA E SOSTENIBILITA’

Chairs: G. Damiani, A.G. De Belvis

11:30-12:30 Percorso di Cura in Fase Avanzata: Il Ruolo della Rete Ospedale-Territorio **C. Barillaro**
Follow-Up e Continuità Assistenziale: Il Ruolo della Rete Ospedale-Territorio **M. Lepore**
AI e telemedicina per migliorare accesso alle cure **L. Tagliaferri**
Modelli di Sostenibilità della cura e della ricerca **L. Livi**
Q&A

12:30-13:00 Closing Remarks
M.A. Gambacorta, F. Micciché, L. Tagliaferri

13:00-13:30 Certificates of attendance

FACULTY

MRO.35

EQUITY AND RESEARCH IN ONCOLOGY:
THE SUBTLE BALANCE BETWEEN PERSONALIZED MEDICINE AND ACCESSIBILITY TO CARE

26-27-28 OCTOBER 2025

Abu Rumeileh Imad	(IT)	Krengli Marco	(IT)	
Alfieri Sergio	(IT)	Landi Francesco	(IT)	
Alongi Filippo	(IT)	Larici Anna Rita	(IT)	
Annunziata Salvatore	(IT)	Lepore Michele	(IT)	
Arcangeli Stefano	(IT)	Lievens Yolande	(BE)	
Aristei Cynthia	(IT)	Livi Lorenzo	(IT)	
Barillaro Christian	(IT)	Loffredi Giuseppina	(IT)	
Beets Geerard	(NL)	Lorusso Domenica	(IT)	
Beets-Tan Regina	(NL)	Macchia Gabriella	(IT)	
Boldrini Luca	(IT)	Manfrida Stefania	(IT)	
Bonomo Pierluigi	(IT)	Mantello Giovanna	(IT)	
Borràs Joseph	(ES)	Marazzi Fabio	(IT)	
Bossi Paolo	(IT)	Marchetti Claudia	(IT)	
Bria Emilio	(IT)	Margaritora Stefano	(IT)	
Casà Calogero	(IT)	Massaccesi Mariangela	(IT)	
Cellini Francesco	(IT)	Mattiucci Gian Carlo	(IT)	
Chiesa Silvia	(IT)	Meattini Icro	(IT)	
Chiloiro Giuditta	(IT)	Meldolesi Elisa	(IT)	
Cilla Savino	(IT)	Miccichè Francesco	(IT)	
Cornacchione Patrizia	(IT)	Morganti Alessio Giuseppe	(IT)	
D'Angelillo Rolando Maria	(IT)	Moura Filipe	(PT)	
Damiani Gianfranco	(IT)	Nero Camilla	(IT)	
Deodato Francesco	(IT)	Orlandi Ester	(IT)	
De Belvis Antonio	(IT)	Pergolizzi Stefano	(IT)	
De Sanctis Vitaliana	(IT)	Piacentini Daniele	(IT)	
De Spirito Marco	(IT)	Placidi Lorenzo	(IT)	
Di Maio Massimo	(IT)	Ramella Sara	(IT)	
Dinapoli Loredana	(IT)	Ricardi Umberto	(IT)	
Fabi Alessandra	(IT)	Rocco Bernardo	(IT)	
Fagotti Anna	(IT)	Röeddiger Sandra	(DE)	
Franceschini Gianluca	(IT)	Rosetto Maria Elena	(IT)	
Galli Jacopo	(IT)	Russo Luca	(IT)	● ● ●
Gambacorta Maria Antonietta	(IT)	Sala Evis	(IT)	
Gasbarrini Antonio	(IT)	Sica Simona	(IT)	● ● ●
Genovesi Domenico	(IT)	Squillaci Ettore	(IT)	
Gentile Pier Carlo	(IT)	Tagliaferri Luca	(IT)	● ● ●
Greco Francesca	(IT)	Tortora Giampaolo	(IT)	
Grégoire Vincent	(FR)	Valentini Vincenzo	(IT)	● ● ●
Gui Benedetta	(IT)	van der Heide Uulke	(NL)	● ● ●
Indovina Luca	(IT)	Zilli Thomas	(CH)	
Jereczek- Fossa Barbara Alicja	(IT)	Zormpas Petridis Konstantinos	(IT)	● ● ●

Provider 2463

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CPS (ECM) Training Objective n. 18, Technical professional contents (knowledge and skills) specific to each profession, each specialization and each ultra-specialist activity, including rare diseases and gender medicine.

The course is accredited for: Radiation Oncologists, Medical Oncologists, Medical Physicists, RTTs/TRs, Nurse.

There are 13 CPS (ECM) credits for those who will attend the course. The requirement to receive the credits is the possession of a degree and specialization. For those interested, it is possible to register by October 14, 2024 on the website of the Catholic University of the Sacred Heart: www.unicatt.it, or directly at this link:

<https://iscrizionionline.unicatt.it/s/events/sub?subId=a10SY000002Z5A9>

The registration fee for the course is € 200.00. For AIRO, ESTRO, AIFM, EFOMP, AIRO, AIOM, AITRO and AIRO members the course fee is € 150.00. Registration is free for FPG and UCSC staff.