UNIVERSITÀ CATTOLICA del Sacro Cuore

MRO.ART MODERN RADIATION ONCOLOGY

Gemelli Fondazione Policlinico Universitario Agostino Gemelli IRCCS Università Cattolica del Sacro Cuore

GART Advanced Radiation Therapy

Comprehensive Cancer Center

MRO.ART 2025

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 (6th floor)
Largo Agostino Gemelli, 8 - 00168 Roma

Scientific Coordinators
M.A. Gambacorta
F. Micciché
L. Tagliaferri

Honorary Presidents
V. Valentini
A.G. Morganti

Endorsed by:

Endorsed by ESTRO

AIRO Associazione Italiana Radioterapia e Oncologia clinica
LA CURA DI PRECISIONE

AIOM Associazione Italiana Oncologia Medica

EFOMP

aifm

AITRO

AIMRO

RATIONALE

MRO.35
EQUITY AND RESEARCH IN ONCOLOGY:
THE SUBTLE BALANCE BETWEEN PERSONALIZED MEDICINE AND ACCESSIBILITY TO CARE

26-27-28 OCTOBER 2025

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 aim 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

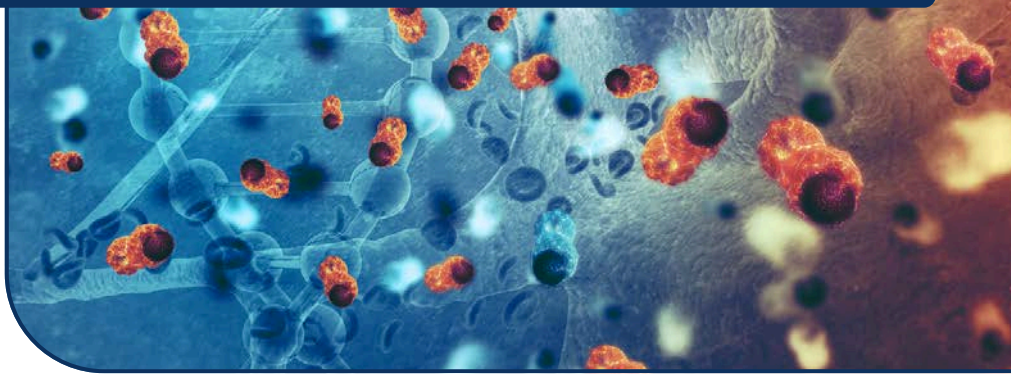
Scientific Secretariat:
C. Casà, G. Chiloiro, L. Placidi

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
S. Alfieri, G. Arcuri, A. Gasbarrini, D. Piacentini, A. Sgambato

14:30-15:00 Course aim
M.A. Gambacorta, F. Miccichè, 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

DAY 1
FOOD FOR THOUGHT

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

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***

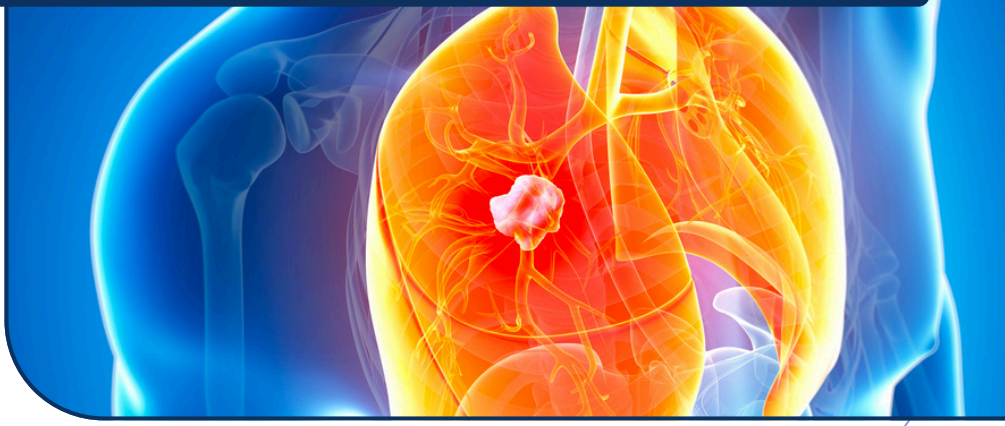
Q&A

CLOSING LECTURE
Introduction: *F. Deodato, L. Indovina*

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

DAY 2
PATHOLOGIES

Monday 27 October 2025
Fondazione Policlinico Universitario A. Gemelli IRCCS
Day language: ENGLISH



8:45-9:15 Sponsored lecture (NO ECM) - Aula 615
Q&A

HEAD & NECK: WHAT'S THE BEST STRATEGY TODAY? INNOVATION, EQUITY AND COST-EFFECTIVENESS
Chairs: *P. Bonomo, M. Massaccesi*

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 (6th floor)

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 ***M. Di Salvatore***
Robotic & Minimally Invasive Surgery ***S. Margaritora***
Seeing Lung Cancer Differently: AI and Imaging Innovation from Diagnosis to Follow-Up ***A.R. Larici***
Q&A

DAY 2
PATHOLOGIES

Monday 27 October 2025
Fondazione Policlinico Universitario A. Gemelli IRCCS
Day language: ENGLISH

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***

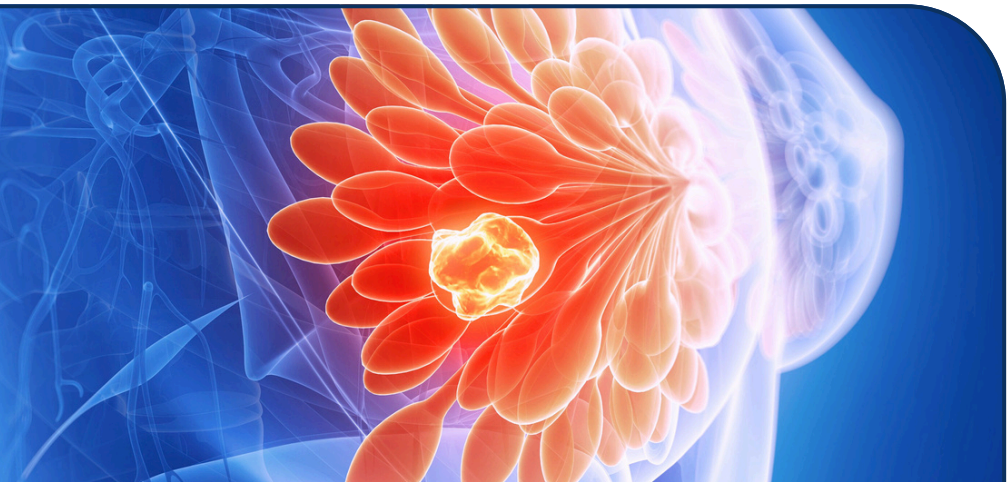
Surface Guided Radiotherapy in Breast Cancer: When and How to Make It Count ***F. Moura***

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-Fossa***

13:20-14:30 Lunch (6th floor)
13:45-14:15 Sponsored lecture (NO ECM) - Aula 615

14:30-14:50 **Keynote lecture 2**
Introduction: ***I. Abu Rumeileh***
Precision Oncology: How Imaging is Transforming Cancer Diagnosis and Treatment ***A. D'Angelo***



DAY 2
PATHOLOGIES

Monday 27 October 2025
Fondazione Policlinico Universitario A. Gemelli IRCCS
Day language: ENGLISH

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*

15:50-17:00

From guidelines to "living" practice: the role of modern integrated approach among local and systemic therapies with a special focus on HT, PARP-Inibitors and Radioligand ***T. Zilli***
Q&A

Panel discussion on local therapy: clinical cases
- ***B. Rocco*** (Robotic surgery)
- ***F. Alongi*** (MR-guided radiotherapy)
- ***L. Tagliaferri*** (Interventional radiotherapy)

AI in Prostate Ca ncer MRI: Matching the Right Treatment to the Right Patient ***L. Russo***

DAY 2
PATHOLOGIES

Monday 27 October 2025
Fondazione Policlinico Universitario A. Gemelli IRCCS
Day language: ENGLISH

WHAT WE CAN'T MISS TOMORROW
Chairs: *M. De Spirito, D. Genovesi*

17:00-18:00 Advanced imaging biomarker in Radiotherapy Planning ***L. Placidi***

Genomics driven oncology ***C. Nero***

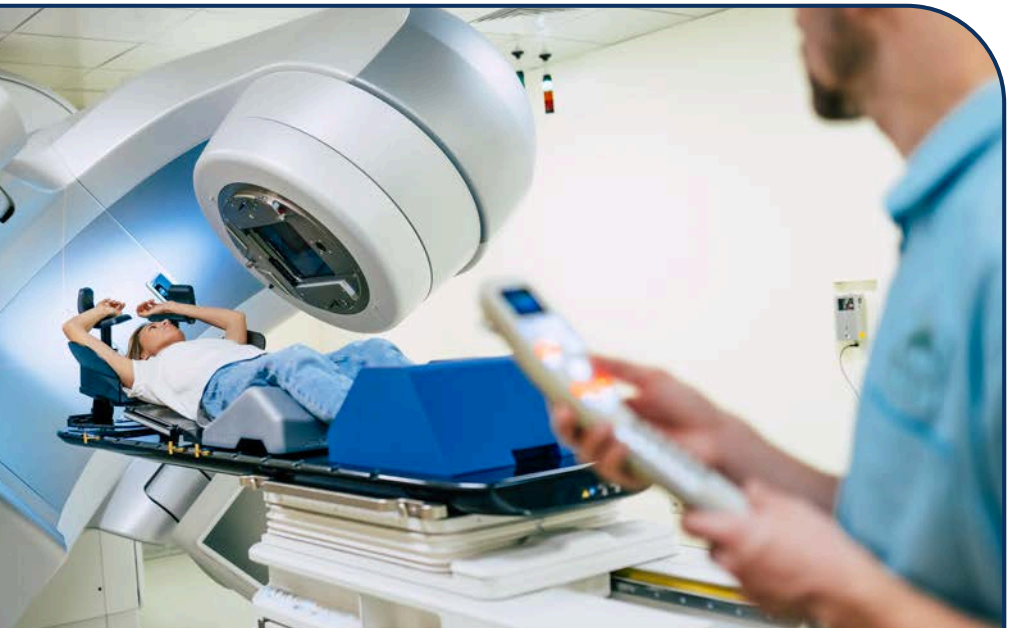
Theranostics in interdisciplinary cancer care ***S. Annunziata***

Computational Pathology and Spatially-Integrated Omics con speaker ***K. Zormpas Petridis***

Q&A

18:00-18:20 **Keynote lecture 3**
Introduction: ***F. Landi***, ***F. Cellini***
Radiotherapy for Pain in the Frail and Forgotten: A New Look at Benign Conditions ***S. Röeddiger***

18:30 CONFERENCE COCKTAIL (6TH FLOOR)



DAY 3
PATIENTS CARE

Tuesday 28 October 2025
Fondazione Policlinico Universitario A. Gemelli IRCCS
Day language: ITALIAN

9:00-9:30 Sponsored lecture (NO ECM) - Aula 615
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 (6th floor)

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. Miccichè, 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)
Alfieri Sergio	(IT)
Alongi Filippo	(IT)
Annunziata Salvatore	(IT)
Arcangeli Stefano	(IT)
Arcuri Giovanni	(IT)
Aristei Cynthia	(IT)
Barillaro Christian	(IT)
Beets Geerard	(NL)
Beets-Tan Regina	(NL)
Boldrini Luca	(IT)
Bonomo Pierluigi	(IT)
Borràs Joseph	(ES)
Bossi Paolo	(IT)
Casà Calogero	(IT)
Cellini Francesco	(IT)
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Chiloiro Giuditta	(IT)
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D'Angelillo Rolando Maria	(IT)
D'Angelo Anna	(IT)
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Greco Francesca	(IT)
Grégoire Vincent	(FR)
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Indovina Luca	(IT)
Jereczek-Fossa Barbara Alicja	(IT)
Krengli Marco	(IT)
Landi Francesco	(IT)
Larici Anna Rita	(IT)
Lepore Michele	(IT)
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Loffredi Giuseppina	(IT)
Lorusso Domenica	(IT)
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Morganti Alessio Giuseppe	(IT)
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Rocco Bernardo	(IT)
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Rosetto Maria Elena	(IT)
Russo Luca	(IT)
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Sica Simona	(IT)
Squillaci Ettore	(IT)
Tagliaferri Luca	(IT)
Tortora Giampaolo	(IT)
Valentini Vincenzo	(IT)
van der Heide Uulke	(NL)
Zilli Thomas	(CH)
Zormpas Petridis Konstantinos	(IT)

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Information: www.gemelliart.it
phone +39 0630158726
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/eventsub?subId=a10SY000002Z5A9

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

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Università Cattolica del Sacro Cuore

GART
Advanced Radiation Therapy

SPONSORED LECTURES

MRO.ART 2025

35° RESIDENTIAL COURSE

27.10.2025 — tecnosan.

Tecnosan
- Aula 615
- 08:45 - 09:15
- NO ECM
- **VMAT-Based TBI, TMI and TMLI: A New Era in Total Body Irradiation**
- Chairs: **S. Chiesa, S. Sica**
- Speakers: **F. Greco, E. Meldolesi**

27.10.2025 — Elekta

Elekta
- Aula 615
- 13:45-14:15
- NO ECM
- **Adaptive radiation therapy (ART) and a unique clinical toolkit**
- Chairs: **R. Pellegrini**
- Speakers: **V. Dell'Acqua**

28.10.2025 — TEMA SINERGIE High tech, high care

TemaSinergie
- Aula 615
- 09:00-09:30
- NO ECM
- **Implementazione di un workflow clinico ottimizzato di Adaptive Radiotherapy**
- Chairs: **M.E. Rosetto**
- Speakers: **D. Raspanti**

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Art4ART

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