

1921  
—  
2021



UNIVERSITÀ  
CATTOLICA  
del Sacro Cuore

varian



INNOVATIVE TREATMENTS  
AND PATIENTS COMPLIANCE  
31° RESIDENTIAL COURSE

radius  
TECHNOLOGY FOR LIFE

Gemelli



Fondazione Policlinico Universitario Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore

ART NETWORK

EXHIBITION HALL

AULA VITO

REPLAY ROOM



Gemelli



ART  
Advanced Radiation  
Therapy

Fondazione Policlinico Universitario Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore



UNIVERSITÀ  
CATTOLICA  
del Sacro Cuore

Gemelli



ART

Advanced Radiation  
Therapy

Fondazione Policlinico Universitario Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore



# *Innovative treatments and patients compliance*

31° RESIDENTIAL COURSE



Gemelli



ART

Fondazione Policlinico Universitario Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore

Advanced Radiation  
Therapy



**12 NOVEMBER 2021** *virtual*  
**22-23 NOVEMBER 2021** *onsite and virtual*  
**26 NOVEMBER 2021** *virtual*



## **Course topics**

Introduction: *What is considered compliance in 2020's?*

Opening lecture: *Omics sciences and compliance to radiotherapy: is there a link?*

**Metrics:** *Which compliance to be measured?*

**Metrics:** *Which compliance is important for the patient undergoing radiotherapy?*

Actions: *How to prevent and recover non-compliance?*

Actions: *Will innovation change compliance in radiotherapy treatments?*

Actions: *Big Data and AI: which contribution to compliance?*

Actions: *Does drug innovation change compliance in combined treatments?*

Focus on: *Prostate cancer innovation and compliance*

Focus on: *H&N cancer innovation and compliance*

Focus on: *Combined radio-chemotherapy treatments in third stage lung cancer*

Focus on: *Lung cancer innovation and compliance*

Focus on: *Breast cancer innovation and compliance*

Focus on: *Anal cancer innovation and compliance*

## **Course topics**

Introduction: *What is considered compliance in 2020's?*

Opening lecture: *Omics sciences and compliance to radiotherapy: is there a link?*

Metrics: *Which compliance to be measured?*

Metrics: *Which compliance is important for the patient undergoing radiotherapy?*

Actions: *How to prevent and recover non-compliance?*

Actions: *Will innovation change compliance in radiotherapy treatments?*

Actions: *Big Data and AI: which contribution to compliance?*

Actions: *Does drug innovation change compliance in combined treatments?*

Focus on: *Prostate cancer innovation and compliance*

Focus on: *H&N cancer innovation and compliance*

Focus on: *Combined radio-chemotherapy treatments in third stage lung cancer*

Focus on: *Lung cancer innovation and compliance*

Focus on: *Breast cancer innovation and compliance*

Focus on: *Anal cancer innovation and compliance*

## **Course topics**

Introduction: *What is considered compliance in 2020's?*

Opening lecture: *Omics sciences and compliance to radiotherapy: is there a link?*

Metrics: *Which compliance to be measured?*

Metrics: *Which compliance is important for the patient undergoing radiotherapy?*

Actions: *How to prevent and recover non-compliance?*

Actions: *Will innovation change compliance in radiotherapy treatments?*

Actions: *Big Data and AI: which contribution to compliance?*

Actions: *Does drug innovation change compliance in combined treatments?*

Focus on: *Prostate cancer innovation and compliance*

Focus on: *H&N cancer innovation and compliance*

Focus on: *Combined radio-chemotherapy treatments in third stage lung cancer*

Focus on: *Lung cancer innovation and compliance*

Focus on: *Breast cancer innovation and compliance*

Focus on: *Anal cancer innovation and compliance*

## **Course topics**

Introduction: *What is considered compliance in 2020's?*

Opening lecture: *Omics sciences and compliance to radiotherapy: is there a link?*

Metrics: *Which compliance to be measured?*

Metrics: *Which compliance is important for the patient undergoing radiotherapy?*

Actions: *How to prevent and recover non-compliance?*

Actions: *Will innovation change compliance in radiotherapy treatments?*

Actions: *Big Data and AI: which contribution to compliance?*

Actions: *Does drug innovation change compliance in combined treatments?*

Focus on: *Prostate cancer innovation and compliance*

Focus on: *H&N cancer innovation and compliance*

Focus on: *Combined radio-chemotherapy treatments in third stage lung cancer*

Focus on: *Lung cancer innovation and compliance*

Focus on: *Breast cancer innovation and compliance*

Focus on: *Anal cancer innovation and compliance*



## **Keynote lectures**

*Image guided radiotherapy technologies and treatment compliance*

*Compliance between innovation and clinical experience: health economics perspective*

*What is considered innovation in 20's radiotherapy?*

*Compliance to treatments using stereotactic technologies*

*FLASH therapy and compliance: a new era?*

*Immunotherapy and radiotherapy: efficacy, innovative fractionations and compliance*

*Particle therapy and patient compliance*

## **Laboratory**

PROM, PREM, App and IOT







## ***International Faculty***

A. DEKKER (NL), A. KIRBY (UK), A. HOFFMANN (D), C. LE PECHOUX (F), D. VERELLEN (B), E. FOKAS (D), E. TROOST (D), G.J. MEIJER (NL), G. GAGLIARDI (S), G. KOVACS (D), J. BOURHIS (CH), K. HAUSTERMANS (B), M. GUCKENBERGER (CH), M. BOLLA (F), M. DE JONG (NL), N. JORNET (E), P. HOSKIN (UK), P. POORTMANS (B), P. LAMBIN (NL), R. MARTINEZ-MONGE (E), S. KYRIAZAKOS (DK), S. CORRADINI (D), V. GREGOIRE (F), Y. LIEVENS (B)





**Scientific Coordinators:** *Vincenzo Valentini*  
*Maria Antonietta Gambacorta, Luca Indovina*

**Honorary Presidents:** *C.A. Perez, N. Cellini*





**Scientific Advisory Board 2021:** *M. Balducci, F. Cellini, F. Deodato, G.C. Mattiucci, A.G. Morganti*

**Scientific Secretariat 2021:** *L. Boldrini, F. Micciché, L. Tagliaferri*





Gemelli



ART

Advanced Radiation Therapy

Fondazione Policlinico Universitario Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore



Endorsed by

**ESTRO**



Associazione Italiana  
Radioterapia e Oncologia clinica





**radius**<sup>®</sup>  
TECHNOLOGY FOR LIFE

**varian**  
A Siemens Healthineers Company

 **astellas**

 **Medipass**  
Advanced Medical Services

**MERCK**

 **MSD**

**TEMA** SINERGIE  
High tech, high care

**AstraZeneca** 

 **Iba**

 **TECNOLOGIE**  
AVANZATE

**AMGEN**<sup>®</sup>

 **Eisai**  
*Life* Human Health Care

 **GE Healthcare**

 **IPSEN**  
Innovation for patient care

**janssen**  **Oncology**  
PHARMACEUTICAL COMPANIES OF Johnson & Johnson

 **NOVARTIS**

 **Pfizer**  
Oncology

 **Roche**

 **SERVIER**

 **SIT**  
Sordina IORT Technologies  
www.sitort.com

 **Gemelli**  
Health & Pharmaceutical Technology Innovation

 **Eleka**

**Gemelli**  **ART**  
Advanced Radiation Therapy  
Fondazione Policlinico Universitario Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore

