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del Sacro Cuore

Gemelli



Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore

23 - 24 November 2020

 MRO.ART
MODERN RADIOTHERAPY AND PRECISION ONCOLOGY

30° RESIDENTIAL COURSE

Scientific Coordinators

V. Valentini | M.A. Gambacorta | L. Indovina

Honorary Presidents

C.A. Perez | N. Cellini

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ESTRO



Associazione Italiana
Radioterapia e Oncologia clinica

MODERN RADIOTHERAPY AND PRECISION ONCOLOGY

30° RESIDENTIAL COURSE

Monday, 23 November 2020

9.00 Course aims and modalities

V. Valentini (I), M.A. Gambacorta (I), L. Indovina (I)

9.15 Opening lecture

Moderators: A.G. Morganti (I), S. Pergolizzi (I)

Precision medicine in Radiation Oncology: a dilemma or an opportunity

P. Lambin (NL)

Session 1. Precision oncology and heterogeneity: the questions

Moderators: L. Livi (I), M. Krengli (I)

9.45 Tumor heterogeneity and clinical choices for the single patient | P. Poortmans (B)

10.00 Patient perspective and clinical choice of the single patient | M. Sassano (I)

10.15 Individual oncologist perspectives and treatment choices | B. Glimelius (S)

10.30 Twin patient by AI: dream or reality? | S. Kyriazakos (DK)

10.45 Statement voting | L. Tagliaferri (I), E. Meldolesi (I)

10.50 Question Time

11.15 Break

11:30 Keynote lecture 1

Moderators: R. Corvò (I), D. Genovesi (I)

What is next in precision medicine for Radiation Oncology

M. Baumann (D)

12:00 Laboratories (small groups)

(Live with interactions tools)

LABORATORY 1 - Devices for precision medicine (Group A)

A. Urbani (I), R. De Maria Marchiano (I), M. Sanguinetti (I), M. Genuardi (I)

LABORATORY 2 - Radiomics: how, RT implementation, available evidences (Group B)

L. Boldrini (I), J. Lenkiewicz (I), G. Chiloire (I), R. Autorino (I), V. Lancellotta (I)

13.00 Break



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Session 2. Precision oncology and heterogeneity: the RT technology

Moderators: C. Fiorino (I), L. Indovina (I), M. Stasi (I)

- 14.00 Heterogeneity in individual target movement: its management between research and daily life | **D. Verellen (B)**
- 14.15 Heterogeneity in individual dose of the day: its management between research and daily life | **G. Meijer (NL)**
- 14.30 Heterogeneity in individual dose painting: its management between research and daily life | **V. Grégoire (F)**
- 14.45 Heterogeneity in individual organ at risk involvement: its management between research and daily life | **N. Dinapoli (I)**
- 15.00 Statement voting | **V. Frascino (I), E. Placidi (I)**

15.05 Question Time

15.20 Break

15.30 Networking Break - Meet the Professor

C. Fiorino (I), L. Indovina (I), M. Stasi (I), D. Verellen (B),
G. Meijer (NL), V. Grégoire (F), N. Dinapoli (I)

Session 3. Precision medicine and heterogeneity: drug treatment

Moderators: G. Tortora (I), V. Tombolini (I)

- 16.00 Breast Cancer: New and old Drugs | **F. Marazzi (I)**
- 16.15 Lung Cancer: New and old Drugs | **E. Bria (I)**
- 16.30 Prostate Cancer: New and old Drugs | **R. Iacovelli (I)**
- 16.45 Gastro-Intestinal Cancer: New and old Drugs | **L. Salvatore (I)**
- 17.00 Statement voting | **A.R. Alitto (I), M. Campitelli (I)**

17.05 Question Time

17.20 Closure of the day



MODERN RADIOTHERAPY AND PRECISION ONCOLOGY

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Tuesday, 24 November 2020

9.00 Keynote Lecture 2

Moderators: M.A. Gambacorta (I), F. Deodato (I)

In the frame of precision oncology the role of local control by Radiation Therapy

K. Haustermans (B)

Session 4. Precision oncology and heterogeneity: the lung cancer. Tumor board at slowmotion

Moderators: B. Slotman (NL), U. Ricardi (I)

Faculty: E. Throost (D), E. Bria (I), S. Margaritora (I) A. R. Larici (I)

9.30 Case presentation: *Case 1* | **M. Massaccesi (I)**

9.40 Treatment Voting | **M. Massaccesi (I)**

9.45 Discussion | **Faculty**

10.15 Post discussion Voting | **M. Massaccesi (I)**

10.20 Case presentation: *Case 2* | **C. Mazzarella (I), A. Martino (I)**

10.30 Treatment Voting | **C. Mazzarella (I), A. Martino (I)**

10.35 Discussion | **Faculty**

11.05 Post discussion Voting | **C. Mazzarella (I), A. Martino (I)**

11:20 Networking Break - Meet the Professor

**B. Slotman (NL), U. Ricardi (I), E. Throost (D),
E. Bria (I), S. Margaritora (I), A. R. Larici (I)**

11:50 Laboratories (small groups)

(Live with interactions tools)

LABORATORY 1 - Devices for precision medicine **(Group B)**

A. Urbani (I), R. De Maria Marchiano (I), M. Sanguinetti (I), M. Genuardi (I)

LABORATORY 2 - Radiomics: how, RT implementation, available evidences **(Group A)**

L. Boldrini (I), J. Lenkiewicz (I), G. Chiloire (I), R. Autorino (I), V. Lancellotta (I)

12:50 Keynote lecture 3

Moderators: C. Aristei (I), R.M. D'Angelillo (I)

In the frame of precision oncology can Radiotherapy enhance immunotherapy?

S.C. Formenti (USA)

13.20 Break



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Session 5. Precision oncology and heterogeneity: the oligometastases. Tumor Board at slow motion

Moderators: S. Ramella (I), V. Donato (I)

Faculty: M. Guckenberger (CH), D.Verellen (B), B. Jereczek-Fossa (I),
S.C. Formenti (USA)

14.20 Case presentation: *Case 1* | **F. Cellini (I), S. Chiesa (I)**

14.30 Treatment Voting | **F. Cellini (I), S. Chiesa (I)**

14.35 Discussion | **Faculty**

15.05 Post discussion Voting | **F. Cellini (I), S. Chiesa (I)**

15.10 Case presentation: *Case 2* | **G.F. Colloca (I), S. Manfrida (I)**

15.20 Treatment Voting | **G.F. Colloca (I), S. Manfrida (I)**

15.25 Discussion | **Faculty**

15.55 Post discussion Voting | **G. F. Colloca (I), S. Manfrida (I)**

16.00 Final Debate

Moderators: S.M. Magrini (I), V. Valentini (I)

Precision oncology in Radiotherapy will be based on AI or molecular knowledge?

A. Dekker (NL) vs D. Zips (D)

16.40 Post discussion voting | **F. Beghella (I)**

17.00 Closing remarks

V. Valentini (I), M.A. Gambacorta (I), L. Indovina (I)

17.15 Event closure

*All sessions will be broadcast live; lectures will be pre-recorded,
speakers and moderators will always be present for the discussion.



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The course is accredited for:

Radiation Oncologists, Medical Oncologists

Information

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For registration to the event: www.unicatt.it
http://fopecom-rm.unicatt.it/fopecomonline/default_eng.aspx?Edizione=1&IdEvento=7045

Registration fee

350 euro – registration

250 euro – AIRO, ESTRO members, person in training





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