

# TREATMENT ALGORITHMS IN LUMINAL BREAST CANCER THERAPY: LEARNING FROM THE PRESENT TO DESIGN THE FUTURE

MEETING

MILAN, MAY 23<sup>RD</sup> - 24<sup>TH</sup>, 2024

## COURSE DIRECTORS

Carmen Criscitiello

Claudio Vernieri



ACCADEMIA NAZIONALE DI MEDICINA

SEZIONE DI ONCOLOGIA

WITH THE ENDORSEMENT OF



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10 CME CREDITS

## OBJECTIVES

The main objective of this meeting is to involve young and talented preclinical and clinical scientists in a debate about the most promising directions of present and future independent research on early stage or advanced luminal breast cancer. The Congress will be focused on new experimental approaches that could be implemented in the clinic, such as metabolic interventions, or the use of algorithms of artificial intelligence to guide the choice between different CDK4/6 inhibitors in first-line treatment of advanced disease, or to personalize therapeutic sequences after progression to first line therapy.

## ADDRESSED TO

Medical oncologists, pathologists, radiologists. Biologists, pharmacists.

## CME

Based on the in force regulations approved by the CNFC, Accademia Nazionale di Medicina (provider n. 31) assigns to the CME activity (**31-413439**): **10 CME credits**.

Training objective: professional and technical content (knowledge and skills) specific to each profession, specialization and highly specialized activity. Rare disease.

The credit certification is subject to:

- professions/specializations should correspond to those which have been accredited for CME;
- attendance at the 90% of the meeting;
- the completion of the Meeting evaluation online form;
- completion of the final test (at least 75% of correct answers). 1 attempt admitted. The test and the meeting evaluation form must be completed within 3 days from the end of the event.

# PROGRAM

## THURSDAY, MAY 23

10.30 *Registration*

11.15 **Opening**

Carmen Criscitiello, Claudio Vernieri

**SESSION 1.**

**ROLE OF CDK4/6 INHIBITORS IN EARLY BREAST CANCER**

Chairs: Carmen Criscitiello, Carmine De Angelis

11.30 **CDK4/6i as a new standard in the adjuvant treatment for HR+/HER2- early BC patients**

Luca Licata

11.50 **Neoadjuvant CDK4/6i in combination with endocrine therapy: how much are we far from clinical implementation?**

Antonio Marra

12.10 **Impact of CDK4/6i on quality of life of breast cancer patients' quality of life**

Gaia Griguolo

12.30 **Economic and social impact of early BC treatment on Health Care Systems**

Dario Trapani

12.50 **Discussion**

13.10 *Light Lunch*

**SESSION 2.  
CDK4/6 INHIBITORS FOR THE TREATMENT OF HR+/HER2- ADVANCED BREAST CANCER**

Chairs: Maria Vittoria Dieci, Matteo Lambertini

14.10 **CDK4/6i as first-line treatment**

Beatrice Taurelli Salimbeni

14.30 **Real world data on CDK4/6i: which their reliance in clinical choices?**

Angela Toss

14.50 **CDK4/6i beyond CDK4/6i: is there a role in the adjuvant CDK4/6i era?**

Claudia Omarini

15.10 **Discussion**  
**Working groups for the discussion of potential collaboration studies**

*Each of 4 working group, with a tutor, discusses and drafts a collaborative study focused on CDK4/6i in early stage or advanced HR+/HER2- BC*

16.45 Public presentation and discussion of each project (10 min each)

17.35 **Review of day 1 and conclusions**

Carmen Criscitiello, Claudio Vernieri

18.00 **Adjourn**

# FRIDAY, MAY 24

## **SESSION 3. CDK4/6 INHIBITORS: DEEP UNDERSTANDING OF MOLECULAR MECHANISMS TO DESIGN NEW TREATMENT COMBINATIONS**

Chair: Claudio Vernieri

- 9.00 **Molecular mechanism of resistance to CDK4/6i: the UNDERSTAND study**  
Andrea Vingiani
- 9.20 **Combining the inhibition of CDK4/6i with PI3K/AKT/mTORC pathway: from preclinical evidence to clinical trials**  
Gianpiero Rizzo
- 9.40 **CDK4/6i immunomodulation to sensitize breast tumors to immune checkpoint inhibition**  
Andrea Botticelli

- 10.00 **Discussion**
- 10.20 **Lecture: Role of CDK4/6i in ER-low BC**  
Maria Vittoria Dieci

10.40 *Coffee Break*

## **SESSION 4. TARGETIN CANCER METABOLISM TO BOOST CDK4/6 INHIBITOR TREATMENTS EFFICACY**

Chairs: Francesca Ligorio,  
Claudio Vernieri

- 11.00 **Combining CDK4/6i with metabolic interventions: a new way to HR+/HER2- BC cure?**  
Irene Caffa
- 11.20 **Uncovering new metabolic strategies to reverse resistance to CDK4/6 inhibitors in HR+/HER2- BC**  
Marzia Santamaria

- 11.40 **Combining CDK4/6i with fasting mimicking diet: preliminary clinical evidence**  
Francesca Ligorio

12.00 **Discussion**

12.15 *Light Lunch*

## **SESSION 5. DRAWING THE IDEAL CANDIDATE FOR POST- CDK4/6 INHIBITOR TREATMENTS**

Chairs: Carmen Criscitiello,  
Claudio Vernieri

- 13.15 **Available treatment options upon progression to CDK4/6 inhibitors**  
Lorenzo Gerratana
- 13.35 **Future treatment strategies for patients progressing to CDK4/6 inhibitors**  
Flavia Jacobs

- 13.55 **Real world data on post-CDK4/6 inhibitor treatments**  
Giulia Viale

- 14.15 **Building a trustworthy AI-based model to predict CDK4/6i efficacy: multiomic analysis from the PALMARES2 study**  
Leonardo Provenzano

14.35 **Discussion**

- 15.00 **Take-home messages**  
Carmen Criscitiello,  
Claudio Vernieri

15.15 **Adjourn**

## COURSE DIRECTORS

### **Carmen Criscitiello**

Divisione di Oncologia Medica  
IEO Istituto Europeo di Oncologia  
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### **Claudio Vernieri**

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## FACULTY

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**Lorenzo Gerratana**, Aviano (PN)

**Gaia Griguolo**, Padova

**Flavia Jacobs**, Rozzano (MI)

**Matteo Lambertini**, Genova

**Luca Licata**, Milano

**Francesca Ligorio**, Milano

**Antonio Marra**, Milano

**Claudia Omarini**, Modena

**Leonardo Provenzano**, Milano

**Gianpiero Rizzo**, Pavia

**Marzia Santamaria**, Milano

**Beatrice Taurelli Salimbeni**, Milano

**Angela Toss**, Modena

**Dario Trapani**, Milano

**Giulia Viale**, Milano

**Andrea Vingiani**, Milano

## REGISTRATION

Participation in the course is free, places available are limited. It is possible to register online at: <https://fad.accmed.org/course/info.php?id=1525> by **19 may 2024**. Registration will be accepted in the chronological order of arrival and will be confirmed by e-mail.

## MEETING VENUE

### AULA MAGNA

IRCCS Fondazione Istituto Nazionale  
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## ORGANIZER

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