

## UNDER THE PATRONAGE OF



Società Italiana Chirurgia Toracica



## CONGRESS VENUE

Hotel Savoia  
Riva del Mandracchio, Trieste

## OFFICIAL LANGUAGE

Italian

## CME CREDITS

The LUCENT Congress is accredited for the following healthcare professionals:

25 May – afternoon and 26 May – morning

Profession: Medical Doctor

Disciplines: Thoracic Surgery, Oncology, Pathological Anatomy, Radiology, Radiation Oncology, Respiratory Medicine

CME No.: 7194-479561 – Credits: ⑨

26 May – afternoon

Profession: Nurse, Physiotherapist

CME No.: 7194-479568 – Credits: ②

## REGISTRATION

MEDICAL CONGRESS:

[https://ecm.meetingsrl.eu/lucent26\\_med/default](https://ecm.meetingsrl.eu/lucent26_med/default)

NURSE CONGRESS:

<https://ecm.meetingsrl.eu/lucent26-inf/default>

## ORGANIZING SECRETARIAT

Meeting srl

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## SCIENTIFIC COORDINATORS

**Maurizio Cortale**

Director, Department of Thoracic Surgery, Trieste

**Alessandra Guglielmi**

Head of SC Oncology, Department of Oncology, Trieste

## LOCAL SCIENTIFIC AND ORGANIZING COMMITTEE

Enrico Arbore, Department of Thoracic Surgery, Trieste

Angela Dicorato, Department of Oncology, Trieste

Stefano Lovadina, Department of Thoracic Surgery, Trieste

Valentina Orlando, Department of Oncology, Trieste

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# Artificial Intelligence in Thoracic Oncology

From Problem to Solution

Trieste  
25<sup>th</sup>-26<sup>th</sup> May 2026



## INTRODUCTION

This is an interdisciplinary event dedicated to the integration of artificial intelligence in thoracic oncology. The meeting brings together experts from various fields to address key topics such as early diagnosis, AI-guided surgery, precision medicine, ethical implications, and the use of AI in clinical departments and patient follow-up. International speakers contribute global perspectives and cutting-edge expertise, highlighting the clinical relevance of adopting AI in thoracic oncology. It is a gathering of specialists from very different disciplines, aiming to explain how AI is transforming therapeutic and organizational approaches in thoracic cancer care, paving the way for a new paradigm.

## 25<sup>th</sup> MAY – AFTERNOON



- 12.30-13.15 Registration  
13.15-13.30 Welcome Address

### 13.30-15.50 SESSION 1

#### Early diagnosis and staging of lung cancer: from problem to solution with AI

Chair:  
Maurizio Cortale (Trieste)

Moderators:  
Pier Luigi Filosso (Modena)  
Mauro Roberto Benvenuti (Brescia)  
Cinzia Spagno (Trieste)  
Fabrizio Zanconati (Trieste)

#### KEYNOTE LECTURE

- 13.30-14.00 Advances in Peripheral Bronchoscopy: The New Era of Robotics, AI, and 3D Image Guidance

Roberto F. Casal (Houston)

- 14.00-14.20 AI-powered lung cancer screening: efficiency, limitations and clinical impact

Elisa Baratella (Trieste)

- 14.20-14.40 From biopsy to operating room: how AI-guided CT planning informs surgical decisions

Davide Tosi (Pietra Ligure, SV)

- 14.40-15.00 AI-assisted ROSE (Rapid On-Site Evaluation): sample optimization and faster decision-making

Cristina Diotti (Milano)

- 15.00-15.20 Early diagnosis, staging, and digital biomarkers in lung cancer: how AI is redefining the landscape

Nicola Fusco (Milano)

- 15.20-15.50 Discussion:  
Paolo Scanagatta (Lecco)  
Paolo Ferrari (Cagliari)  
Jacopo Vannucci (Perugia)  
Pietro Geri (Trieste)

- 15.50 -16.20 COFFEE BREAK

### 16.20-18.20 SESSION 2 Implementation, regulatory, and ethical aspects of AI in thoracic oncology

Chair:  
Alberto Terminella (Catania)

Moderators:  
Stefano Lovadina (Trieste)  
Giuseppe Aprile (Udine)

#### KEYNOTE LECTURE

- 16.20-16.50 AI, Machine Learning, and Biostatistics: Crossing Disciplinary Boundaries in Cancer Research

Dario Gregori (Padova)

- 16.50-17.10 Integrating AI in hospital workflows: challenges, models, and professional outlook

Alessandro Palleschi (Milano)

- 17.10-17.30 Clinicians' Attitudes Toward AI-Driven Decision Support Systems in the Care for Respiratory Disease: Findings from the EU-Funded AI4Lungs Project

Michela Meregaglia (Milano)

- 17.30-17.50 Ethics of AI in medicine: between alien intelligence and human responsibility

Roberto Crisci (L'Aquila)

- 17.50-18.20 Discussion:  
Maurizio Infante (Verona)  
Camillo Lopez (Lecce)  
Enrico Arbore (Trieste)

## 26<sup>th</sup> MAY – MORNING



### 08.30-10.50 SESSION 3 Lucent Study: how AI contributes to therapeutic and surgical planning

Chair:  
Federico Venuta (Roma)

Moderators:  
Andrea Droghetti (Candiolo)  
Alessandro Gonfiotti (Florence)

#### KEYNOTE LECTURE

- 08.30-09.00 From Pixels to Scalpel: Integrating AI Across Thoracic Surgery and Pathology

Sonia Aguir (Rouen (F))  
 Nicolas Piton (Rouen (F))

- 09.00-09.30 From Anatomy to Action: AI-Assisted Decision Pathways in Thoracic Oncology Surgery

Andres Obeso (Emirati Arabi Uniti)

- 09.30-09.50 AI and personalized surgical treatment: predictive analysis on real-world data

Luca Bertolaccini (Milan)

- 09.50-10.10 Thoracic surgery and AI: towards real-time intraoperative analysis

Alessandro Bertani (Palermo)

- 10.10-10.30 Air leaks and early discharge: can AI support postoperative decisions?

Francesco Zaraca (Bolzano)

- 10.30-10.50 Discussion:  
Gian Luca Pariscenti (Milan)  
Francesco Guerrera (Torino)

- 10.50-11.20 COFFEE BREAK

### 11.20-13.50 SESSION 4 Precision medicine and personalized AI-supported follow-up

Chair:  
Mario Nosotti (Milan)

Moderators:  
Fabio Puglisi (Aviano-Udine)  
Vanessa Gregorc (Candiolo)  
Paola Ermacora (Gorizia)  
Marco Lucchi (Pisa)

#### KEYNOTE LECTURE

- 11.20-11.40 Terapie target nel NSCLC oncogene-addicted: AI per la selezione ottimale del paziente

Alessandra Bearz (Aviano)

- 11.40-12.00 NSCLC senza driver molecolari: AI e approcciagnostici personalizzati

Francesco Grossi (Genoa)

- 12.00-12.20 Clinical efficacy data in tumors expressing RET, MET, KRAS, BRAF, ROS1, and NTRK

Giacomo Pelizzari (Udine)

- 12.20-12.40 Therapeutic options in NSCLC without targetable mutations: current opportunities

Alessandro Del Conte (Cittadella-Camosampiero)

- 12.40-13.00 Perioperative and neoadjuvant therapeutic strategies in NSCLC

Marcello Tiseo (Parma)

- 13.00-13.20 AI-guided radiotherapy: dose personalization and response prediction

Claudio Scoglio (Trieste)

- 13.20-13.50 Discussion:  
Francesco Cortiula (Udine)  
Marianna Macerelli (Udine)

- 13.50-14.00 **CLOSING REMARKS**

## 26<sup>th</sup> MAY – AFTERNOON



### NURSING MEETING

- 14.00-14.40 Registration

### 14.40-16.20 AI and robotics in wards and operating rooms: what nurses expect

Chair:  
Andrea Zuin (Udine)

Moderators:  
Michela Grassi (Trieste)  
Giampiero Dolci (Ferrara)

- 14.40-15.00 The use of Artificial Intelligence in the onboarding and training of nurses in Surgery

Nicole Viti (Trieste)

- 15.00-15.20 VIBE Coding & Artificial Intelligence in Thoracic Surgery: the new language of the nursing team

Stefano Grisan (Trieste)

- 15.20-15.40 The use of Artificial Intelligence in the monitoring and enhancement of nursing handovers

Giovanna Rodella (Novara)

- 15.40-16.00 Nursing ethics in the age of automation and AI: preserving the care relationship

Pasqualina Serafini (Trieste)

- 16.00-16.20 Discussion:  
Federico Lorenzo Barra (Novara)  
Katuscia Scala (Trieste)

- 16.20-16.30 **CLOSING REMARKS**