

# INFECTIONS IN LUNG TRANSPLANTATION:

A network to meet the challenge

23<sup>rd</sup>

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24<sup>th</sup>

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Hotel NH  
**PALERMO**

**CHAIR:**

Alessandra Mularoni

**SCIENTIFIC DIRECTORS:**

Alessandro Bertani  
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Patrizio Vitulo

**CME  
Hybrid**



Lung transplantation is the therapy of choice for end-stage respiratory failure secondary to many severe chronic lung diseases. Despite improved survival rates over the last few decades, lung transplant recipients suffer high rates of infectious complications due to immunosuppression and to the graft's continuous exposure to the external environment.

Over the last 10 years, and all the more so after the COVID-19 pandemic, infections caused by MDR (Multi Drug Resistant) bacteria have spread in Italy, posing a serious threat and challenge in immunocompromised patients.

The congress will also address issues related to the management of fungal, viral, and rare infections that would benefit from shared management within a network in order to be better studied and addressed.

This is an **invitation to establish and develop a clinical and scientific network** that will share and review complex cases improving the diagnosis, treatment, and outcomes of patients with such diseases.

At the end of each session, the National Survey outcomes will be presented and discussed to review infectious disease management practices for lung transplant recipients, assess the state-of-the-art in Italy, and identify both strengths and areas of improvement.

The goal is to form working groups that are as **inclusive** as possible on the various topics discussed, share experiences with others and, in the future, set up an Italian register to provide **scientific evidence to improve the management of infections in lung transplantation.**

The aim of the event is to bring together pulmonologists, thoracic surgeons, and infectious diseases specialists from all Italian lung transplant centers and **encourage the creation of a network of clinical and scientific collaboration** on lung transplant infections.



# INFECTIONS IN LUNG TRANSPLANTATION:

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**THURSDAY, 23<sup>rd</sup> May 2024**

- 11:00 a.m. – 11:15 a.m.** Registration
- 
- 11:15 a.m. – 11:30 a.m.** Introduction and objectives  
*Alessandro Bertani, Paolo Antonio Grossi, Alessandra Mularoni and Patrizio Vitulo*
- 
- 11:30 a.m. – 11:45 a.m.** Greetings  
*Antonio Arcadipane, Giorgio Battaglia, Cinzia Di Benedetto, Angelo Luca and Ugo Palazzo*
- 
- 11:45 a.m. – 12:00 p.m.** Solid organ transplantation activity in Italy  
*Giuseppe Feltrin*

**SESSION 1:** Rare infections and difficult indications to lung transplant

MODERATORS: *Alessandra Bandera and Annamaria Cattelan*

- 12:00 p.m. – 12:20 p.m.** Transplant in Recipient with *Burkholderia cepacia*:  
When to say yes vs when to say no  
*Francesca Ficili and Maddalena Peghin*
- 
- 12:20 p.m. – 12:35 p.m.** Transplant in Recipient with Non-Tubercular Mycobacteria (NTM):  
When to say yes vs when to say no  
*Stefano Aliberti*
- 
- 12:35 p.m. – 12:50 p.m.** Impact of Screening and Treatment of *Ureaplasma* species on  
Hyperammonemia Syndrome in Lung Transplant Recipient  
*Michael G. Ison*
- 
- 12:50 p.m. – 01:05 p.m.** Approaches to rare infections and difficult Indications in Italy: Survey Results  
*Silvia Corcione, Andrea Lombardi and Alessandra Mularoni*
- 
- 01:05 p.m. – 01:20 p.m.** Discussion: Q&A on the topics discussed during the session  
*Adriana Callari, Claudia Colomba, Maria Scarlata and Marco Schiavon*
- 
- 01:20 p.m. – 02:00 p.m.** Light Lunch

**SESSION 2:** Viral Infections in the Lung Transplant Patient

MODERATORS: *David Bennett and Patrizio Vitulo*

- 02:00 p.m. – 02:15 p.m.** HHV8 Infection: Clinical Pictures, Screening, Diagnosis, and Therapy  
*Mario Luppi*
- 
- 02:15 p.m. – 02:30 p.m.** HHV8 infections in lung transplantation  
*Andrea Cona, Letizia Morlacchi and Valeria Rossetti*
- 
- 02:30 p.m. – 02:45 p.m.** Discussion: Q&A on the topics discussed during the session  
*Paolo Antonio Grossi and Mario Nosotti*



**THURSDAY, 23<sup>rd</sup> May 2024**

**02:45 p.m. – 03:00 p.m.** Approaches to the Management of CMV Infection in Lung Transplant  
*Paolo Antonio Grossi*

**03:00 p.m. – 03:15 p.m.** Pre-Emptive pro and cons  
*Federica Meloni*

**03:15 p.m. – 03:30 p.m.** Prophylaxis pro and cons  
*Paolo Solidoro*

**03:30 p.m. – 03:45 p.m.** Refractory/Resistant CMV Infection  
*Fernanda Silveira*

**03:45 p.m. – 03:55 p.m.** The ReCySOHT project  
*Renato Pascale*

**03:55 p.m. – 04:15 p.m.** Approaches to viral infections in Italy: Survey Results  
*Silvia Corcione, Andrea Lombardi, Alessandra Mularoni and Renato Pascale*

**04:15 p.m. – 04:30 p.m.** Discussion: Q&A on the topics discussed during the session  
*Marta Beretta, Paolo Antonio Grossi and Alessandra Tebaldi*

**04:30 p.m. – 04:50 p.m.** Coffee break

**04:50 p.m. – 05:10 p.m.** Viral Respiratory Infections in Lung Transplant  
*Michael G. Ison*

**05:10 p.m. – 05:30 p.m.** Adoptive Immunotherapy  
*Patrizia Comoli*

**05:30 p.m. – 05:45 p.m.** Discussion: Q&A on the topics discussed during the session  
*Alessandro Bertani, Daniele Di Carlo and Chiara Iaria*

**SESSION 3: Phage Therapy**

MODERATORS: *Alessandro Bertani and Antonio Cascio*

**05:45 p.m. – 06:05 p.m.** Phage therapy: Challenges and Opportunities in lung transplant  
*Saima Aslam*

**06:05 p.m. – 06:20 p.m.** Phage therapy: the Italian Experience  
*Novella Cesta*

**06:20 p.m. – 07:00 p.m.** Discussion: Q&A on the topics discussed during the session  
*David Bennet, Paolo Antonio Grossi, Federica Meloni and Patrizio Vitulo*

**07:00 p.m. – 07:45 p.m.** Conclusions  
*Alessandro Bertani, Paolo Antonio Grossi, Alessandra Mularoni and Patrizio Vitulo*





**FRIDAY, 24<sup>th</sup> May 2024**

**SESSION 4:** Donor-Derived MDR Infections and Management of MDR  
Bacteria Infections in the Post-Transplant Period

MODERATORS: *David Bennett, Alessandro Bertani and Mike Ison*

- 08:50 a.m. – 09:15 a.m.** The Donor with an Increased Risk of MDR Infection:  
When to say yes - *Paolo Antonio Grossi*  
When to say no - *Jose Maria Aguado Garcia*
- 
- 09:15 a.m. – 09:30 a.m.** Therapy of CRE Gram-Negative Infections in the Transplant Recipient  
*Maddalena Giannella*
- 
- 09:30 a.m. – 09:45 a.m.** Therapy of MDR/difficult-to-treat Gram negative Infections: New drugs  
*Mario Tumbarello*
- 
- 09:45 a.m. – 10:00 a.m.** Rapid Diagnostics of MDR Infections in Donor and Recipient  
*Stefania Stefani*
- 
- 10:00 a.m. – 10:15 a.m.** The Communication System for the Donor's Cultures: North-South-West-East  
*Antonino Montemurro*
- 
- 10:15 a.m. – 10:30 a.m.** Risk Mitigation of Donor-Derived Infections: Active Surveillance  
*Alessandra Mularoni*
- 
- 10:30 a.m. – 10:45 a.m.** Approaches to Donor-derived and MDR infections in Italy: Survey Results  
*Andrea Lombardi, Francesca Montagnani,  
Alessandra Mularoni and Elena Maria Seminari*
- 
- 10:45 a.m. – 11:00 a.m.** Discussion: Q&A on the topics discussed during the session  
*Massimo Cardillo, Lavinia Martino, Giovanna Panarello,  
Marco Schiavon and Giorgia Tancredi*
- 
- 11:00 a.m. – 11:20 a.m.** Coffee Break

**SESSION 5:** Fungal Infections

MODERATORS: *Paolo Antonio Grossi and Emanuele Durante Mangoni*

- 11:20 a.m. – 11:30 a.m.** Fungal infections in lung transplant recipients  
*Jose Maria Aguado Garcia*
- 
- 11:30 a.m. – 11:45 a.m.** Antifungal Prophylaxis in lung transplant recipients  
*Tina Marinelli*



**FRIDAY, 24<sup>th</sup> May 2024**

- |                                |   |
|--------------------------------|---|
| <b>11:45 a.m. – 12:00 p.m.</b> | Antifungal Therapy for invasive mold disease<br><i>Mario Fernandez Ruiz</i>   |
| <b>12:00 p.m. – 12:15 p.m.</b> | Diagnosis of invasive fungal infections in the immunocompromised patient<br><i>Maurizio Sanguinetti</i>   |
| <b>12:15 p.m. – 12:30 p.m.</b> | New treatment options for fungal infections<br><i>Malgorzata Mikulska</i>   |
| <b>12:30 p.m. – 12:45 p.m.</b> | Approaches to fungal infections in Italy: Survey Results<br><i>Andrea Lombardi, Serena Marinello,<br/>Malgorzata Mikulska and Alessandra Mularoni</i> |
| <b>12:45 p.m. – 01:05 p.m.</b> | Discussion: Q&A on the topics discussed during the session<br><i>Maria Campanella, Lavinia De Monte and Gianluca Russo</i>                            |
| <b>01:05 p.m. – 01:30 p.m.</b> | Take-Home Messages and Final Remarks<br><i>Alessandro Bertani, Paolo Antonio Grossi, Alessandra Mularoni and Patrizio Vitulo</i>                      |



## PARTECIPAZIONE IN PRESENZA

### STEP 1° - REGISTRAZIONE ONLINE (OBBLIGATORIA)

PER REGISTRARTI

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### STEP 2° - MODULISTICA, QUESTIONARIO ECM ED ATTESTATI

Al termine dell'attività formativa, entro e non oltre 3 giorni dalla conclusione, si potrà scaricare dalla piattaforma il proprio attestato di partecipazione. Per aver diritto ai crediti ECM, bisognerà procedere alla compilazione del questionario di apprendimento ECM e alla compilazione della modulistica necessaria. Solo al termine di questo percorso si potrà procedere al download del certificato dei crediti ECM. Modalità di collegamento alla piattaforma:

- Collegarsi al link [www.fadcollage.it](http://www.fadcollage.it)
- Accedere con le credenziali inserite in fase di registrazione e selezionare **IL MIO PANNELLO**
- Selezionare l'evento da concludere
- Procedere con i 5 step formativi conclusivi: 1, 2, 3, 4, 5



L'attestato che certifica i crediti ottenuti sarà scaricabile dopo la verifica dei requisiti di partecipazione, dei risultati del test finale e della compilazione delle schede di rilevazione della qualità percepita.





## PARTECIPAZIONE ONLINE

### STEP 1° - REGISTRAZIONE ONLINE (OBBLIGATORIA)

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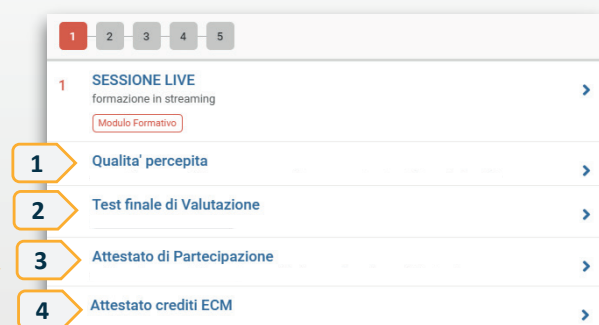
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Al termine del webinar (FAD) si potrà scaricare dalla piattaforma il proprio attestato di partecipazione. Per avere diritto ai crediti ECM, bisognerà procedere, entro e non oltre 3 giorni dalla conclusione dell'evento, alla compilazione del questionario di apprendimento ECM ed alla compilazione della modulistica necessaria. Solo al termine di questo percorso si potrà procedere al download del certificato dei crediti ECM. Modalità di collegamento alla piattaforma:

- Collegarsi al link [www.fadcollage.it](http://www.fadcollage.it)
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## GENERAL INFORMATION

### CONGRESS VENUE:

Hotel NH Palermo (Foro Italico Umberto I, 22/B - 90133 Palermo PA)

### OFFICIAL LANGUAGE:

Italian is the official language of the event. Simultaneous translation in english will be provided

## SCIENTIFIC INFORMATION

The event was accredited to the Ministry of Health by the Provider Collage S.p.A.:

- Ref. C.M.E.: **309-413638** - **11** Italian C.M.E. credits
- Ref. C.M.E.: **309-413666** - **16,5** Italian C.M.E. credits

**Residential Event**  
**Hybrid Event**

Accredited professional figures and disciplines:

**Surgeon** [ Infectious Diseases, Respiratory Diseases, General Surgery, Cardiac Surgery, Thoracic Surgery, Anesthesia and Critical Care, Hygiene and Preventive Medicine, Internal Medicine; microbiology and virology ]

**Nurse** [ Nurse ]

**Biologist** [ Biologist ]

### Italian C.M.E. credits:

- In order to obtain C.M.E. credits, participants must:
- Attend 90% of the congress
- Belong to the accredited medical profession and specializations related to this event
- Submit the required documentation and fill in the C.M.E. evaluation questionnaire online within 3 days after the end of the congress
- Credits will be granted to those who will answer 75% correctly

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