



**November 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> 2025**

**Humanitas Congress Center Via Manzoni 56 Rozzano Milan - Italy**

# **UPDATE ON ENDOCARDITIS AND ENDOVASCULAR INFECTIONS**

## **Course Coordinators**

ESBIES executive committee

## **Co-organizers**

- ESGS
- ESGIAI
- Humanitas University and Humanitas Simulation Center  
(<https://www.hunimed.eu/simulation-center/>)

## **Course Objectives**

This course is targeted at microbiologists and infectious disease specialists who seek updated knowledge on the theoretical and practical aspects of current and advanced diagnosis and management of endocarditis and endovascular infections. The aim is to enhance participants' understanding of diagnosis, treatment, infection control, improve practices, and prepare for the future.

## **Target Audience**

60 graduate and postgraduate students, infectious diseases and internal medicine specialists, clinical microbiologists, cardiologists.

Faculty Members		
Country	Name	Affiliation
Italy	Michele Bartoletti	Humanitas University, Milan
France	Brigitte Lamy	Hôpitaux Universitaires Paris Seine-Saint-Denis Bobigny
Spain	Jose Maria Mirò	Hospital Clinic, Barcelona
Lebanon	Rima Moghnieh	AU Medical Center - Rizk Hospital, Clinic
Denmark	Emil L Fosbøl	The Heart Centre, University Hospital of Copenhagen,
Italy	Davide Fiore Bavaro	Humanitas University, Milan
Italy	María Nazarena Pizzi	Hospital Vall d'Hebron
Denmark	Anders Dahl	Copenhagen University Hospital Gentofte
Spain	Nuria Fernandez Hidalgo	Hospital Vall d'Hebron
Italy	Dario Cattaneo	Hospital Sacco, Milan
Germany	Annette Moter	Charité - Universitätsmedizin Berlin
Italy	Lucia Torracca	Humanitas Research Hospital
Netherlands	Thomas W van der Vaart	Amsterdam University Medical Center
Italy	Stefania Stefani	University of Catania
France	Vincent Le Moing	University Hospital of Montpellier
Italy	Matteo Bassetti	IRCCS San Martino Genova
Italy	Maddalena Peghin	Univeristy of Insurbia
Italy	Renato Pascale	Univesity of Bologna
Turkey	Burcu Isler	University of Queensland
Italy	Silvia Corcione	University of Turin
Spain	Laura Escolà-Vergé	Hospital de la Santa Creu i Sant Pau
Italy	Valeria Cento	Humanitas University, Milan
Germany	Siegbert Rieg	University of Frieburg
Italy	Stefania Brusa	Humanitas University, Milan
Switzerland	Barbara Hasse	University of Zurich
Italy	Marco Falcone	University of Pisa
Italy	Linda Bussini	Humanitas University, Milan
Italy	Giovanni La Canna	Humanitas University, Milan



## DAY 1 06 November 2025

12:00–13:30    **Welcome and registration**

### The current epidemiology of infective endocarditis

*Chair: Michele Bartoletti (IT), Brigitte Lamy (FR)*

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|---------------|--|
| 14:00–14:30   | <b>The current landscape of infective endocarditis. Which patients are at high risk?</b><br>Josè Maria Miró (ES)                               |
| 14:30–15:00   | <b>Implanted devices – which prosthetic heart valves, TAVI CIED, LVAD or other intravascular devices are prone to IE</b><br>Barbara Hasse (SW) |
| 15:00 – 15:30 | <b>Infective endocarditis in low-and middle-income countries and associated with zoonotic infections</b><br>Rima Moghnieh (LB)                 |
| 15:30 – 16:00 | <b>Discussion</b>  |

**16:00 – 16:15    Break**

### From clinical suspicion to diagnosis

*Chair: Giovanni La Canna (IT) Anders Dahl (DK)*

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|---------------|---|
| 16:15 – 16:45 | <b>Echocardiography: what Infectious Disease or Clinical Microbiology doctors should know</b><br>Anders Dahl (DK) |
| 16:45 – 17:15 | <b>Screening patients with bacteremia: When echo is mandatory and when it can be avoided:</b><br>Anders Dahl (DK) |
| 17:15 – 17:45 | <b>Beyond echocardiography: Role of CT scan, CT/PET, and other imaging modalities</b><br>Priscilla Guglielmo (IT) |
| 17:45– 18:15  | <b>Screening for portal of entry and metastatic infection: Why it matters</b><br>Nuria Fernandez Hidalgo (ES)     |
| 18:15–18:30   | <b>Discussion</b>   |

**18:30    End of Day – Social Program**

## Day 2      07 November 2025

### Microbial diagnostics

Chair: Valeria Cento (IT), Brigitte Lamy (FR)

9:00 – 9:20	<b>How many sets of BCs are needed?: Evidence behind repeat BCs in IE</b> Brigitte Lamy (FR)
9:20 – 9:40	<b>Blood culture negative endocarditis: what can we do?</b> Stefania Stefani (IT)
9:40 – 10:00	<b>What is the role of modern microbiology on the diagnosis of infective endocarditis?</b> Valeria Cento (IT)
10:00 – 10:20	<b>“FISHseq for diagnosis of Endocarditis</b> Annette Moter (DE)
10:20 – 10:45	<b>Discussion</b>
10:45 – 11:00	<b>Break</b>

### Lecture

Chair: Laura Escola-Vergè (ES), Vincent Le Moing (FR)

11:00 – 11:30	<b>The ESC and Duke-ISCVID criteria – implications, applicability, and consequences in practice</b> Thomas W. van der Vaart (NL)
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### Treatment of infective endocarditis part 1

Chair: Laura Escolà-Vergé (ES), Michele Bartoletti (IT)

11:30 – 11:50	<b>Combination treatment for Staphylococcus aureus bacteremia</b> Proposed: Siegbert Rieg (DE)
11:50 – 12:10	<b>Is there still room for Aminoglycosides as adjunctive therapy in endocarditis?</b> Vincent Le Moing (FR)
12:10 – 12:30	<b>Treatment of Fungal Endocarditis</b> Matteo Bassetti (IT)
12:30 – 12:45	<b>Discussion</b>
10:30 – 11:00	<b>Break</b>

### Treatment of infective endocarditis part 2

Chair: Vincent Le Moing (FR), Nuria Fernández-Hidalgo (ES)

14:00 – 14:20	<b>Treatment of zoonotic infections</b> Burcu Isler (TK)
14:20 – 14:40	<b>Duration of treatment for NVE, PVE and chronic suppressive treatment</b> Linda Bussini (IT)
14:40 – 15:00	<b>Oral treatment for infective endocarditis</b> Thomas W van der Vaart (NL)
15:00 – 15:20	<b>OPAT for infective endocarditis</b>



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Davide Fiore Bavaro (IT)

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15:20-15:40     **Prophylaxis of infective endocarditis**  
Vincent Le Moing (FR)

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15:40-15:55     Discussion

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**15:55 – 16:10     Break**

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### **Treatment of infective endocarditis: beyond antimicrobials**

*Chair: Siegbert Rieg (DE), Lucia Torracca (IT)*

16:10 – 16:40     **Surgical management of infective endocarditis**  
Emil L Fosbøl (DK)

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16:40 – 17:00     **Discussion**

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### **Selected cases of infective endocarditis proposed by attendees**

*Chair: Siegbert Rieg (DE), Davide Fiore Bavaro (IT)*

17:00-17:30     Case 1 Burcu Isler (TK)  
Case 2 Alessandra Belati (IT)

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**17:30     End of Day Social program**

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## Day 3      08 November 2025

### Special Clinical Scenarios

*Chair: Barbara Hasse (CH), Pierluigi Viale (IT)*

9:00 – 9:30	<b>Clinical management of Left ventricular assist device infection</b> Maddalena Peghin (IT)
9:30 – 10:00	<b>CIED infections: clinical suspicion, diagnosis and management</b> Proposed Renato Pascale (IT)
10:00 – 10:30	<b>Vascular graft infections: clinical suspicion, diagnosis and management</b> Barbara Hasse (CH)
10:30-10:45	<b>Discussion</b>
10:45 – 11:00	<b>Break</b>

**Session 7: Work Group session (featured by Simulation Center - Humanitas University): attendees will be divided in 3 groups and will participate in all session separately**

**Faculty: Laura Escolà-Vergè (ES) Davide Fiore Bavaro (IT), Linda Bussini (IT), Dario Cattaneo (IT), Lucia Torracca (IT), Stefania Brusa (IT) Anders Dahl (DK)**

	Group 1	Group 2	Group 3
11:00 – 11:40	Simulated case	Simulated endocarditis team case discussion	Interpretation of therapeutic drug levels of antibiotics in treating endocarditis
11:40 – 12:20	Interpretation of therapeutic drug levels of antibiotics in treating endocarditis	Simulated case	Simulated endocarditis team case discussion
12:20-13:00	Simulated endocarditis team case discussion	Interpretation of therapeutic drug levels of antibiotics in treating endocarditis	Simulated case
13:00 – 14:00	<b>Lunch</b>		

### Session 8: Novel therapies

*Chair: Silvia Corcione (IT), Barbara Hasse (CH)*

14:00 – 14:20	<b>Novel antibiotics for Gram-positive infections</b> Marco Falcone (IT)
14:20 – 14:40	<b>Phage therapy for infective endocarditis</b> Marco Falcone (IT)
14:40 – 15:00	<b>Role of microbiota in infective endocarditis and vascular infections</b> Silvia Corcione (IT)
15:00-15:30	<b>Discussion</b>
15:30	<b>End of Course</b>

**Sponsors and supporters**

