

Bologna Heart Surgery Symposium

Focus on Heart Failure

2nd edition



BHSS



Bologna, Italy • September 22-23, 2023

SYMPOSIUM DIRECTOR



Davide Pacini

Chief, Cardiac Surgery Unit

IRCCS Azienda Ospedaliera Universitaria di Bologna - Italy

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Dear Colleagues and Friends,

After the first successful edition of the “Bologna Heart Surgery Symposium (BHSS) on Aortic Diseases” hosted in September 2022, **we are delighted to announce that a second culturally-inspiring** event will be organized in the late summer 2023, focused on **Advanced Heart Failure**.

This dreadful disease remains a leading cause of **morbidity and mortality worldwide**, affecting a wide population at all ages. A multi-sectorial approach and an in-depth analysis by leading global experts will guarantee an update of knowledge and skills covering the entire spectrum of heart failure.

Exciting discussions, pro and cons of **new technologies** and the **latest science on heart failure** will provide an unforgettable learning experience and an education leading to improved patient care and better outcomes.

BHSS focus on **Advanced Heart Failure** will be one and a half day in-person meeting focused on every aspect of **heart failure, both acute and chronic, from myocarditis to genetic cardiomyopathies, from pharmacological to antiarrhythmic and surgical therapies, including ECMO, IMPELLA, paracorporeal and intracorporeal VAD, till the total artificial heart and heart transplantation.**

The structure of the meeting will include **discussions, lectures and videos** from masters of the field. Interactions between delegates and faculty is the key feature of BHSS.

This meeting is designed for Cardiovascular Surgeons, Cardiologists, Radiologists, Anesthesiologists, Residents, Perfusionists and Nurses.

We strongly feel the need to interact directly in person sharing our professional and personal experience but, as usual in this period, online connection will be available.

Join us for intense exchanges and networking to overcome the advanced heart failure.




Davide Pacini

SCIENTIFIC PROGRAM • SEPTEMBER 22, 2023

14.00 **Welcome greetings**

14.30-16.20

Session I - **ADVANCED CHRONIC HEART FAILURE CLASSIFICATION, DIAGNOSIS AND MANAGEMENT**

Moderators: G.D. Gargiulo, P. Perrone Filardi, S. Urbinati

14.30 **Epidemiology, pathophysiology and real clinical impact**

P. Colombo

14.40 **Genetic cardiomyopathies: an underestimated problem?**

G. Sinagra

14.50 **Pulmonary hypertension in advanced chronic heart failure: significance, treatment and prognosis**

N. Galiè

15.00 **Diagnostic work-up and prognostic factors**

E. Biagini

15.10 **The role of pharmacological treatment: how to choose and when to use the right drugs?**

F.G. Oliva

15.20 **Role and perspectives of interventional cardiology in advanced heart failure: the cardiological point of view**

G. Tarantini

15.30 **Patients' selection, new devices and outcomes in complex transcatheter procedures: the surgical point of view**

F. Maisano

15.40 **Pushing the limits of conventional surgery: when and how**

H. Takayama

15.50 **Discussants**

L. Di Marco, T. Palmerini, A. Rubboli, A. Terzi

16.20 **MAIN LECTURE**

Advanced heart failure: past, present and future

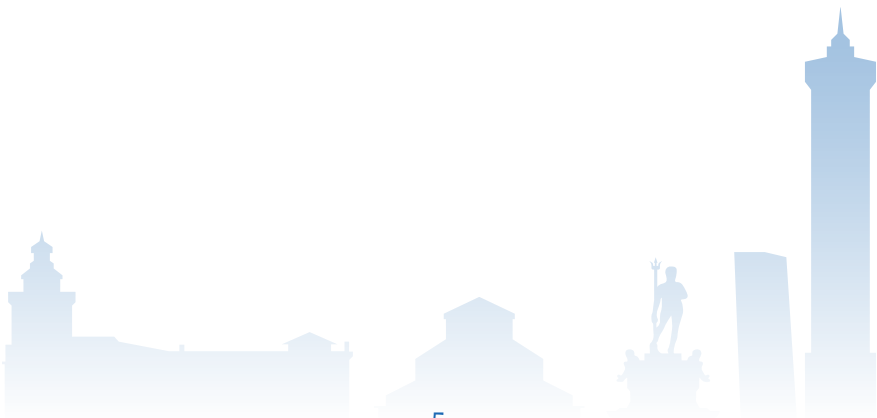
F. Gustafsson

16.40 *Break*

17.10-18.50 SESSION II - CARDIAC TRANSPLANTATION: FROM DONORS TO RECIPIENTS

Moderators: *M. De Feo, G. Gerosa, M. Senni*

- 17.10 **How to manage the donor and the graft: the key role of the anesthesiologist**
E. Cerchierini
- 17.20 **The importance of marginal donation: scouting and courage**
S. Martín-Suárez
- 17.30 **How to improve organ procurement: past present and future of the allocation system**
M. Cardillo
- 17.40 **New preservation systems vs. standard cold storage: is it time to expand the donor pool?**
S. Sponga
- 17.50 **How to manage immunity**
L. Potena
- 18.00 **Mechanical circulatory support as bridge to heart transplantation: devices, techniques and outcomes**
K. Takeda
- 18.10 **Multiple organ transplantation: logistics and current results**
M. Rinaldi
- 18.20 **Discussants**
A. Leone, M. Maccherini, M. Ongari, G. Sangiorgi



SCIENTIFIC PROGRAM • SEPTEMBER 23, 2023

8.50-10.40

SESSION III - ACUTE HEART FAILURE AND CARIOGENIC SHOCK

Moderators: A. Castelli, G. Guardigli, F. Nicolini

- 8.50 **Acute heart failure and cardiogenic shock: pathophysiology, evolving definition and monitoring**
M. Scandroglio
- 9.00 **Risk scores and survival prediction in patients with acute decompensated heart failure**
A. Iacovoni
- 9.10 **Diagnostic work-up**
G. Bracchetti
- 9.20 **Hub and spoke in CS: strengths and limits**
S. Valente
- 9.30 **Postcardiotomy cardiogenic shock: when the surgeons are in trouble**
F. Onorati
- 9.40 **Metabolic implications and need for non-invasive/invasive respiratory support: the anesthesiological point of view**
E. De Robertis
- 9.50 **The role of pharmacological treatment: how to choose the right drugs?**
F. Grigioni
- 10.00 **Malignant arrhythmias: when to support and how to manage while supporting**
M. Biffi
- 10.10 **Discussants**
A. Navazio, S. Pelenghi, B. Sassone, G. Tortorici

10.40 *Break*

11.10 -13.00

SESSION IV - TEMPORARY MECHANICAL CIRCULATORY SUPPORTS

Moderators: G. Casella, E. Pilato, C.F. Russo

- 11.10 **IABP, microaxial flow pumps and percutaneous devices**
F. Saia
- 11.20 **How to set an ECMO support: cannulations and configurations**
R. Lorusso
- 11.30 **Pumps and circuits for ECMO: perfusion implications**
F. Zanzico
- 11.40 **Unloading the LV in ECMO patients**
F. Musumeci
- 11.50 **ECMO in lung transplant**
F. D'Ovidio
- 12.00 **Myocarditis: management and outcomes**
A. Garascia
- 12.10 **Anticoagulation for temporary MCS**
M. Ranucci
- 12.20 **Paracorporeal VADs: indications, timing, surgical techniques and outcomes**
H. Takayama
- 12.30 **Discussants**
C. Amarelli, G. Dolci, A. Santarelli, I. Vendramin
- 13.15 **Lunch Symposium**

14.00-16.00

SESSION V - LONG TERM MECHANICAL CIRCULATORY SUPPORTS

Moderators: *F. Gustafsson, U. Livi, M. Pilato*

- 14.00 **History and evolution of durable mechanical circulatory support**
A. Loforte
- 14.10 **Selection criteria and timing for d-VAD implantation**
L. Botta
- 14.20 **The mysteries of the right ventricle: the importance of perioperative echocardiography**
B. De Chiara
- 14.30 **Right heart catheterization: what have we learnt?**
M. Masetti
- 14.40 **Minimally invasiveness for durable MCS**
K. Takeda
- 14.50 **Concomitant cardiac surgery procedures during LVAD implantation**
E. Potapov
- 15.00 **Perioperative RV support in LVAD implantation: tips and tricks**
I. Netuka
- 15.10 **Post-operative F-up in LVAD recipients: prevention and treatment of complications**
A. Russo
- 15.20 **Discussants**
M. Baiocchi, L. Potena, F. Santini, V. Tarzia
- 16.00 **MAIN LECTURE- Current perspectives of “full heart replacement therapy”:
from d-MCS to xenotransplantation**
A. Zuckerman

16.30-18.00

SESSION VI - THE FUTURE

Moderators: *M. Cardillo, E. Potapov, D. Pacini*

- 16.30 **Gene and cell therapy of the failing heart: new opportunities?**
P. Colombo
- 16.40 **Basic science and organ preservation: from bench to bedside**
G. Ferrari
- 16.50 **DCD heart transplantation: for a few but not for all?**
S. Tsui
- 17.00 **Future of implantable MCS: iniaturization, haemocompatibility, and leadless technology**
I. Netuka
- 17.10 **Artificial intelligence and total artificial heart: from biological to mechanical solutions**
G. Gerosa
- 17.20 **Discussants**
F. Grigioni, F. Musumeci, A. Nanni Costa, M. Rinaldi
- 18.00 **Closing remarks**
D. Pacini
- 18.30 **Prize Cocktail**

FACULTY*

Cristiano Amarelli, Naples - Italy
Massimo Baiocchi, Bologna - Italy
Elena Biagini, Bologna - Italy
Mauro Biffi, Bologna - Italy
Luca Botta, Bologna - Italy
Giovanni Bracchetti, Bologna - Italy
Massimo Cardillo, Bologna - Italy
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Stefano Urbinati, Bologna - Italy
Serafina Valente, Siena - Italy
Igor Vendramin, Udine - Italy
Federica Zanzico, Bologna - Italy

* Faculty subject to change



GENERAL INFORMATION

MEETING WEBSITE

<https://bhss2023.noemacongressi.it>

VENUE

Royal Hotel Carlton

Via Montebello, 8 - 40121 Bologna (Italy)

The Hotel is in the centre of Bologna, close to the railway station and just a short walk from Piazza Maggiore and the Two Towers.

OFFICIAL LANGUAGE

The official language of the Symposium is English.

CERTIFICATE OF ATTENDANCE

The certificate of attendance will be sent by e-mail at the end of the Symposium.

EXHIBITION AREA

A technical exhibiton will take place throughout the Symposium.

REGISTRATION

REGISTRATION FEES

Physician	€ 150.00 + 22% VAT
Trainee	€ 100.00 + 22% VAT
Perfusionist	€ 100.00 + 22% VAT
Nurse	€ 100.00 + 22% VAT

HOW TO REGISTER

On-line registration at <https://bhss2023.noemacongressi.it>

Registration fee includes:

- Access to the Scientific sessions of the Symposium
- Conference kit
- Certificate of attendance



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