

Bologna Heart Surgery Symposium

Focus on Aortic Diseases



1st edition



Bologna, Italy • **September 12-13, 2022**

SYMPOSIUM CHAIRMAN



Davide Pacini

Chief, Cardiac Surgery Unit
IRCCS Azienda Ospedaliera Universitaria di Bologna - Italy
Full Professor of the Department of Experimental, Diagnostic
and Specialty Medicine - Università di Bologna - Italy

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Università di Bologna - Italy

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Cardiac Surgery Unit
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Cardiac Surgery Unit
IRCCS Azienda Ospedaliera Universitaria di Bologna - Italy

UNDER THE AUSPICES OF



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI MEDICINA SPECIALISTICA,
DIAGNOSTICA E SPERIMENTALE



SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
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POLICLINICO DI **SANT'ORSOLA**



COLLEGIO
DEI PROFESSORI UNIVERSITARI
DI CARDIOCHIRURGIA
Italian College of Cardiac Surgeons



Dear Colleagues and Friends,

It was in the early 2000s when the first thoracic aorta surgery conference in Bologna was organized by Prof. A. Pierangeli and Prof. R. Di Bartolomeo. Since then, these meetings have been a regular appointment where colleagues from all over the world have come together.

We are very glad to announce the first edition of the “**Bologna Heart Surgery Symposium**” (**BHSS**), Focus on Aortic Disease, which will take place in Bologna on 12th and 13th September 2022.

These years unusual changes associated with the COVID-19 pandemic have prevented gatherings for long periods of time and almost all large cardiovascular meetings have tried adapting to new circumstances with web-streaming technologies. However, we strongly feel the need to interact directly in person sharing our professional and personal experience.

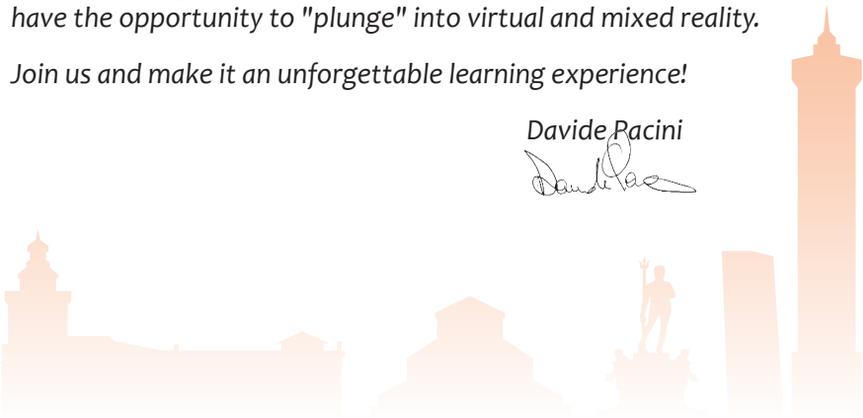
BHSS will be a two-day in-person meeting focused on open and endovascular aortic repair, including aortic valve, with a spotlight on new technologies. It is designed for Cardiovascular Surgeons, Cardiologists, Radiologists, Anesthesiologists, Residents, Perfusionists and Nurses.

The structure of the meeting will include live and live-in-a-box cases alongside with lectures and videos from masters of the field. Interactions between delegates and faculty is the key feature of **BHSS** and you are strongly invited to send videos showing your personal surgical and endovascular experience. The selected videos will be presented and discussed during the main sessions in a very relaxed and informal atmosphere.

BHSS will also be an opportunity to “discover” new tools for the diagnosis of aortic pathology with special focus to virtual reality applied to diagnosis and therapy. Alongside the main sessions, during mini-workshops, attendees will have the opportunity to “plunge” into virtual and mixed reality.

Join us and make it an unforgettable learning experience!

Davide Pacini



8.00 Participants' registration

8.15 Welcome greetings
D. Pacini

08.30 **SESSION I**

10.00 **NEW DIAGNOSTIC TOOLS IN AORTIC PATHOLOGY:
THE ROLE OF INNOVATION AND TECHNOLOGY**

Moderators: *F. Musumeci, J. Umana*

- **Augmented Reality in support to Cardiac Surgery: Opportunities and Challenges**
V. Corbetta, M. Grillo
- **Spectral CT imaging, CT dual energy and RM 4D flow in the diagnosis of aortic diseases**
L. Lovato
- **3D printing and its future directions in aortic diseases**
P. Magagna
- **Artificial Intelligence in Aortic Surgery: from benchmark data to clinical application**
M. Bashir
- **Progress of robotic system application in aortic surgery**
P. Vitasek

10.00 *Coffee break*

10.30 **SESSION II**

13.00 **INNOVATIVE APPROACHES FOR AORTIC VALVE**

Moderators: *M. Cassese, J. Kempfert*

Live Surgery Demonstration - Aortic Valve-Sparing

From the Operating Room of the S. Orsola Hospital

G. El Khoury, H.J. Schäfers and S. Orsola team members

- **New data from the STS/ACC TVT Registry of Transcatheter Aortic Valve Replacement**
J. Bavaria
- **TAVI in complex scenario: aortic valve insufficiency and bicuspid aortic valve**
M. Romano
- **Which valve for which patient: minimal invasive Sutureless vs TAVI?**
M. Thielmann
- **Robotic-assisted aortic valve surgery: state of the art and challenges for the future**
S. Cerny
- **Balloon-expandable TAVI in complex anatomical situations - Live-in-a-box**
F. Musumeci
- **Video from attendants**
Presentation and discussion

13.00 *Break*

14.00

SESSION III

THE ROOT AND THE ASCENDING: THE GATEWAY TO THE AORTIC HIGHWAY

16.30

Moderators: J. Bavaria, W. Morshuis

Live Surgery Demonstration - Aortic Valve-Sparing

From the Operating Room of the S. Orsola Hospital

G. El Khoury, H.J. Schäfers and S. Orsola team members

- **The current status and prospect of catheter-based treatment of ascending aorta and aortic root diseases**
E. Roselli
- **The Ross procedure in adults. Live-in-a-box**
G. El-Khoury
- **Aortic Valve sparing operations: trick and threat**
R. De Paulis
- **Bicuspid and tricuspid aortic valve: different morphology for the same treatment? A look to the guidelines**
E. Chen
- **Pseudoaneurysm after Ascending Aorta replacement: how to avoid the redo-surgery? Alternative solutions**
M. Cassese
- **Management and outcomes of complex endocarditis of the aortic root**
K. Minatoya
- **Video Presentation**
Valve sparing root replacement in Marfan Syndrome
W. Slisatkorn
- **Video from attendants**
Presentation and discussion
- **LECTURE:**
Milestones in the cerebral protection: the Japanese contribution
Y. Ueda

16.30

Coffee break

17.00

SESSION IV

THE AORTIC ARCH: WHERE ARE WE?

19.00

Moderators: M. Grabenwoger, K. Tsagakis

- **Cerebral protection in aortic arch surgery: cannulation strategies according to the joint Bologna and Columbia experience**
H. Takayama
- **Classic ET... Frozen Elephant Trunk... and then what? Future perspectives**
M.L. Shrestha
- **Total arch replacement without the need for DHCA**
G. Matalanis
- **Results of endovascular aortic arch repair: differences and initial results of current devices**
M. Czerny
- **Redo Aortic Arch Surgery**
L.N. Girardi
- **Hemiclamshell incision as an option for complex arch surgery**
K.H. Park
- **Anatomical reconstruction of aortic arch aneurysm with right aberrant subclavian artery. Live-in-a-box**
L. Di Marco

- **Video Presentations**
How I do FET procedure at the Asan Medical center - Seoul
S.J. Choo
Open aortic arch repair: a step-by-step procedure
L.C. Maroto
Redo arch with the Frozen Elephant Trunk
F. Schoenhoff
- **Video from attendants**
Presentation and discussion

TUESDAY, 13TH SEPTEMBER 2022

08.30 **SESSION V** 10.30 **ACUTE AORTIC SYNDROME: STATE OF THE ART**

Moderators: A. Alizadeh Ghavidel, A. Estrera

- **State of the Art in Acute Aortic Syndrome**
I. Vilacosta
- **Aortic arch replacement in acute Type A dissection: more FET or more hybrid?**
H. Ogino
- **Type B Intramural Hematoma: watchful waiting or immediate treatment?**
R. Heijmen
- **The new STS-AATS guidelines on the management of Type B aortic dissection: what is changed?**
H. Patel
- **Uncovered stents for Aortic Arch in Type A Acute Aortic Dissection Live-in-a-box**
J. Kempfert
- **Acute Aortic Dissection in China**
L. Sun [remote speaker - live streaming]
- **Video Presentations**
Total arch replacement with Axillofemoral bypass in case of lower limb malperfusion and paraplegia
M. Idhrees
Angioscopy guiding decision making for full aortic repair in Type A Aortic Dissection
K. Tsagakis
- **Video from attendants**
Presentation and discussion

10.30 Coffee break

11.00
13.00

SESSION VI
FOCUS ON DESCENDING AND THORACO-ABDOMINAL
AORTIC ANEURYSMS

Moderators: J. Coselli, M. Schepens

- **Advances in Spinal Cord Protection: the PAPA-ARTIS trial**
C. Etz
- **Chronic Dissection: FEVAR and BEVAR - when and how!**
D. Adam
- **Open TAAA repair in connective tissue disease: techniques and results**
A. Estrera
- **Infection of thoracic aortic grafts and endografts**
Y. Okita
- **How I do open TAAA repair - LHBP. Live-in-a-box**
R. Chiesa
- **How I do open TAAA repair - CPB. Live-in-a-box**
A. Oo
- **How I do endo TAAA repair - Live-in-a-box**
F. Buia
- **Video Presentations**
“STABILISE” complicated type B aortic dissections
G. Melissano
**Complex open repair of the descending thoracic aorta
in a case of coarctation: skin-to-skin**
V.V. Bashi
- **Video from attendants**
Presentation and discussion

13.00 Break

14.00 **LECTURE**
A journey in the history of the Aortic Surgery: lesson from a master
J. Coselli

14.30 **SESSION VII**
GREAT DEBATE ON ACUTE AORTIC DISSECTION

15.30 **Moderators:** S. Lansman, M. Kuduvali, D. Pacini

Discussants: J. Bavaria, R. Di Bartolomeo, M. Grabenwoger, Y. Okita,
H. Patel, M. Schepens, E. Turner

HOT TOPICS:

- **Malperfusion in acute type A:**
Cerebral - Visceral - Myocardial
- **Aortic root management:**
Valve-sparing – Root preservation
- **Acute Non-A Non-B:**
Arch management
- **Future perspective on endovascular treatment for acute Type A**



VIRTUAL & MIXED REALITY MINI-WORKSHOP:
Frozen Elephant Trunk
procedure-demonstration

Everyday from 10 am to 6 pm
Book your experience!

FACULTY*

Donald Adam, Birmingham - UK
Alireza Alizadeh Ghavidel, Teheran - Iran
Velayudhan V. Bashi, Chennai - India
Mohamad Bashir, Nantgarw - UK
Joseph Bavaria, Philadelphia - USA
Francesco Buia, Bologna - Italy
Mauro Cassese, San Giovanni Rotondo - Italy
Stepan Cerny, Prague - Czech Republic
Edward Chen, Durham - USA
Suk Jung Choo, Seoul - Korea
Roberto Chiesa, Milano - Italy
Valentina Corbetta, Milano - Italy
Joseph Coselli, Houston - USA
Martin Czerny, Bad Kroziggen - Germany
Ruggero De Paulis, Rome - Italy
Roberto Di Bartolomeo, Bologna - Italy
Luca Di Marco, Bologna - Italy
Gebrine El Khoury, Brussels - Belgium
Anthony Estrera, Houston - USA
Christian Etz, Leipzig - Germany
Leonard N. Girardi, New York - USA
Martin Grabenwöger, Wien - Austria
Massimo Grillo, Milano - Italy
Robin Heijmen, Nieuwegein - Netherlands
Mohammed Idhrees, Chennai - India
Joerg Kempfert, Berlin - Germany
Monoj Kuduvali, Liverpool - UK
Steven Lansman, Valhalla - USA
Luigi Lovato, Bologna - Italy
Paolo Magagna, Vicenza - Italy
George Matalanis, Melbourne - Australia



Germano Melissano, *Milano - Italy*
Kenji Minatoya, *Kyoto - Japan*
Luis Maroto, *Madrid - Spain*
William J. Morshuis, *Nijmegen - The Netherlands*
Francesco Musumeci, *Rome - Italy*
Hitoshi Ogino, *Tokyo - Japan*
Yutaka Okita, *Kobe - Japan*
Aung Ye Oo, *London - UK*
Davide Pacini, *Bologna - Italy*
Kay-Hyun Park, *Seoul - Republic of Korea*
Himanshu Patel, *Ann Arbor - USA*
Mauro Romano, *Massy - France*
Eric Roselli, *Cleveland - USA*
Hans-Joachim Schäfers, *Homburg - Germany*
Marc Schepens, *Bruges - Belgium*
Florian Schoenhoff, *Bern - Switzerland*
Malakh Lal Shrestha, *Hannover - Germany*
Worawong Slisatkorn, *Bangkok - Thailand*
Lizhong Sun, *Beijing - China*
Hiroo Takayama, *New York - USA*
Matthias Thielmann, *Essen - Germany*
Konstantinos Tsagakis, *Essen - Germany*
Eduardo Turner, *Santiago - Chile*
Yuichi Ueda, *Nara - Japan*
Juan Umana, *Bogota - Colombia*
Isidre Vilacosta, *Madrid - Spain*
Petr Vitasek, *Prague - Czech Republic*

**The faculty list could undergo some changes.*



GENERAL INFORMATION

SYMPOSIUM VENUE

Palazzo della Cultura e dei Congressi

Piazza della Costituzione, 4/a
40128 Bologna - Italy

HOW TO GET TO BOLOGNA

By Plane

Several airlines connect Bologna with many Italian and foreign cities. The International airport “G. Marconi” is located just 7 km from the Symposium Venue. About 15 minutes by taxi.

Taxi: +39 051.372727 - +39 051.4950 - +39 051.534141

By Train

The Bologna Central Station is one of the largest railway interconnections in both Italy and Europe. It is a few minutes from Palazzo della Cultura e dei Congressi. Buses no. 35/39 link the station with the Symposium Venue. The prices of the tickets are € 1,50 – validity: 75 minutes from time of ticket validation on bus. One-day ticket price is € 6,00 – validity: 24 hours from time of ticket validation on bus.

By Car

From motorway A1, A13, A14: from the ring road take exit n. 7 (Via Stalingrado) or exit Bologna Fiera direction city centre.

Car parking Parking facilities are available near the Symposium Venue.

HOTEL RESERVATION

A number of rooms have been booked for participants.

OFFICIAL LANGUAGES

The official Symposium language is English.

VIDEOS

Participants are invited to send videos on any of the topics addressed. Please use Windows Media Player compatible formats. Maximum video length is 5 minutes. All oral presentations will be in English.

The Videos should be sent to the Organizing Secretariat by 1st July 2022 with a CD, USB or by uploading them on WeTransfer (www.wetransfer.com, recipient's e-mail address: info@noemacongressi.it).



REGISTRATION FEES

(price including 22% VAT)

	Before June 15 th	After June 15 th
Physician	€ 610,00	€ 671,00
Physician SICCH Members*	€ 488,00	€ 549,00
Trainees	€ 122,00	€ 122,00
Perfusionist	€ 122,00	€ 122,00
Nurse	€ 122,00	€ 122,00
Accompanying guests	€ 122,00	€ 122,00
Conference dinner	€ 122,00	€ 122,00

*Reduced fee for individual registrations only

HOW TO REGISTER

On-line registration

on the website: <https://bhss2022.noemacongressi.it>

Registration fee includes:

Admittance to all sessions, access to the exhibition, Congress kit, coffee breaks on 12th and 13th September.

Participation to Virtual&Mixed Reality Mini-workshop to be previously booked.

Registration fee for Accompanying guests includes:

Conference dinner on 12th September, a guided tour on 13th September.

EXHIBITION AREA

A technical exhibition will take place throughout the Symposium.

For information, please contact the Organizing Secretariat.

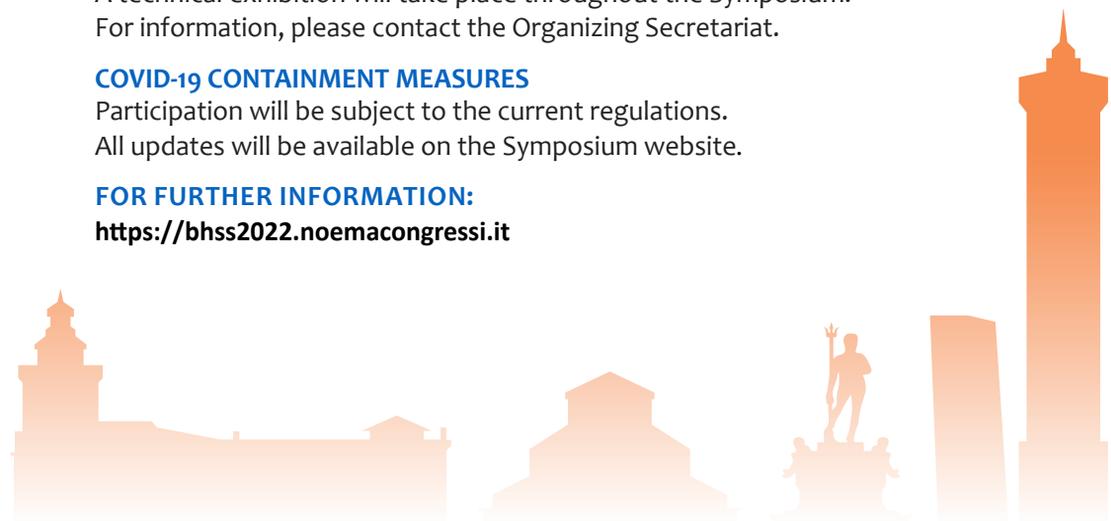
COVID-19 CONTAINMENT MEASURES

Participation will be subject to the current regulations.

All updates will be available on the Symposium website.

FOR FURTHER INFORMATION:

<https://bhss2022.noemacongressi.it>





ORGANIZING SECRETARIAT

N O E M A



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