

# Bologna Heart Surgery Symposium

Focus on Aortic Diseases



**BHSS**

**1st edition**



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

## SYMPOSIUM CHAIRMAN



### **Davide Pacini**

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

## HONORARY CHAIRMAN



### **Roberto Di Bartolomeo**

*Università di Bologna - Italy*

## SCIENTIFIC COMMITTEE



### **Luca Di Marco**

*Cardiac Surgery Unit  
IRCSS Azienda Ospedaliera Universitaria di Bologna - Italy*



### **Alessandro Leone**

*Cardiac Surgery Unit  
IRCSS Azienda Ospedaliera Universitaria di Bologna - Italy*



### **Giacomo Murana**

*Cardiac Surgery Unit  
IRCSS Azienda Ospedaliera Universitaria di Bologna - Italy*

## UNDER THE AUSPICES OF

Dipartimento di Medicina Specialistica, Diagnostica e Sperimentale  
Alma Mater Studiorum Università di Bologna  
IRCSS Azienda Ospedaliera Universitaria di Bologna  
Asian Society for Cardiovascular and Thoracic Surgery, ASCVTS\*  
Italian Society for Cardiac Surgery, SICCH  
Italian College of Cardiac Surgeons  
Società Medico Chirurgica di Bologna\*  
The Japanese Association for Thoracic Surgery, JATS\*

\* On request

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 12<sup>th</sup> and 13<sup>th</sup> 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.

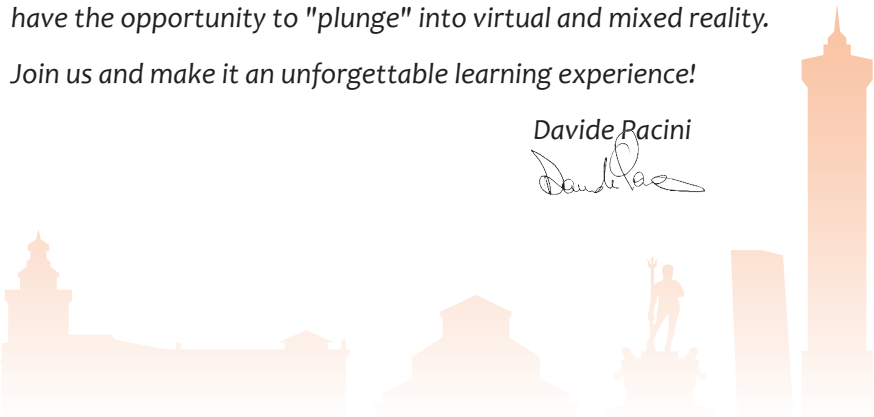
**BHSS** will be a two-day in-person meeting focused on open and endovascular aortic repair, including aortic valve, with a spotlight on new technologies. It is designed for Cardiovascular Surgeons, Cardiologists, Radiologists, Anesthesiologists, Residents, Perfusionists and Nurses.

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



## MONDAY, 12<sup>TH</sup> SEPTEMBER 2022

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:** *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*
- **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:** S. Chen, 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, 13<sup>TH</sup> 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
- **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, S. Chen, 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  
**Steve (Xin) Chen**, Nanjing - China  
**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 1<sup>st</sup> July 2022 with a CD, USB or by uploading them on WeTransfer ([www.wetransfer.com](http://www.wetransfer.com), recipient's e-mail address: [info@noemacongressi.it](mailto:info@noemacongressi.it)).



## REGISTRATION FEES

(price including 22% VAT)

	Before June 15 <sup>th</sup>	After June 15 <sup>th</sup>
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 12<sup>th</sup> and 13<sup>th</sup> September.

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

#### Registration fee for Accompanying guests includes:

Conference dinner on 12<sup>th</sup> September, a guided tour on 13<sup>th</sup> September.

### EXHIBITION AREA

A technical exhibition will take place throughout the Symposium.

For information, please contact the Organizing Secretariat.

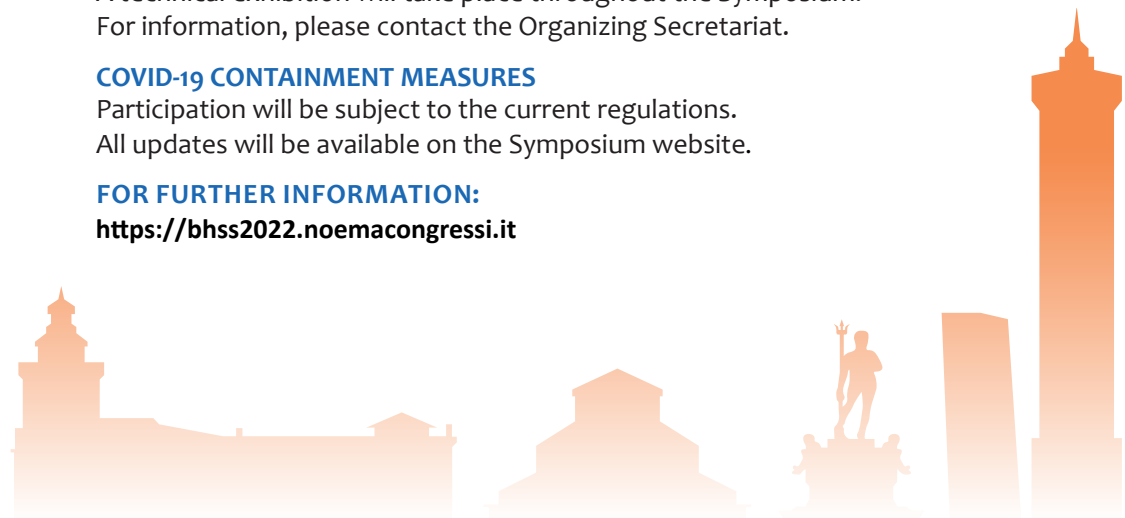
### COVID-19 CONTAINMENT MEASURES

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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