

Bologna Heart Surgery Symposium



Focus on Aortic Diseases

2024

3rd edition



Bologna, Italy • *October 28-29, 2024*



UNDER THE AUSPICES OF



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



SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Ospedaliero - Universitaria di Bologna

IRCCS Istituto di Ricovero e Cura a Carattere Scientifico

POLICLINICO DI **SANT'ORSOLA**



COLLEGIO
DEI PROFESSORI UNIVERSITARI
DI CARDIOCHIRURGIA
Italian College of Cardiac Surgeons



SYMPOSIUM DIRECTOR



Davide Pacini

Chief, Cardiac Surgery Unit
IRCCS Azienda Ospedaliera Universitaria di Bologna - Italy
Full Professor of the Department of Medical and Surgical Sciences -
Università di Bologna - Italy

HONORARY CHAIRMAN



Roberto Di Bartolomeo

Università di Bologna - Italy

SCIENTIFIC COMMITTEE



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Cardiac Surgery Unit
IRCCS Azienda Ospedaliera Universitaria di Bologna - Italy



Alessandro Leone

Cardiac Surgery Unit
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Giacomo Murana

Cardiac Surgery Unit
IRCCS Azienda Ospedaliera Universitaria di Bologna - Italy



Federica Zanzico

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



Van Deventer San-Mari van Delft

St. Antonius Hospital Nieuwegein - The Netherlands
Secretary of the Scientific Committee di EBCP

PROGRAM AT A GLANCE

Monday, October 28th

Time	Plenary Room	Parallel Sessions
8:30	Greetings	
9:30 - 12:00	Live surgery From the Operating Room of the S. Orsola Hospital	
8:40 - 12:00	Main Session 1 NEW TECHNOLOGIES AND TRANSCATHETER VALVE SURGERY	
10:40 - 11:00	<i>Coffee break</i>	
12:00 - 12:20	Main Lecture NOBILITY IN SMALL THINGS Craig Smith	
12:30 - 13:30	Lunch	
13:30 - 16:00	Live surgery From the Operating Room of the S. Orsola Hospital	
13:30 - 16:30	Main Session 2 AORTIC ROOT AND ASCENDING	
16:30 - 17:00	<i>Coffee break</i>	
17:00 - 19:00	Main Session 3 AORTIC ARCH	Perfusionist session 1 FLOW-DYNAMICS

Tuesday, October 29th

Time	Plenary Room	Parallel Sessions
8:30 - 10:30	Main Session 4 DESCENDING AND THORACO-ABDOMINAL	Perfusionist session 2 FLUID-DYNAMICS
10:40 - 11:00	<i>Coffee break</i>	
11:00 - 13:00	Main Session 5 ACUTE AORTIC SYNDROME	Perfusionist session 3 DYNAMIC PATHWAYS
13:00 - 14:00	Lunch	Lunch Industry Symposium
14:00 - 14:30	Main Lecture A TRIBUTE TO THE PIONEERS OF AORTIC SURGERY Steven Lansman	
14:30 - 15:00	Video Session	
15:00 - 16:00	The Great Debate THE FUTURE OF CARDIOVASCULAR SURGERY IN THE TRANSCATHETER ERA	
16:00 - 17:00		Hands-on

MONDAY, OCTOBER 28th

8.00 Participants' registration

PLENARY ROOM

8.30 Welcome greetings

Daide Pacini
Symposium Director

Live Surgery Demonstration

ROSS OPERATION

From the Operating Room of the S. Orsola Hospital

I. El-Hamamsy and S. Orsola team members

8.40-12.00 SESSION I

NEW TECHNOLOGIES AND transcatheter valve surgery

Moderators: R. Di Bartolomeo, M. Grabenwöger, F. Musumeci

8.40 **Machine learning and artificial intelligence in Cardiovascular Surgery: enhancing outcomes and predicting complications**

J. Eleftheriades

8.50 **Aortic Valve Diseases: how will patients be treated in the near future?**

P. Myers

9.00 **TAVR in pure aortic valve insufficiency: pushing the boundaries**

M. Cassese

9.10 **Open aortic valve replacement after TAVR: technical details and midterm results**

M. Grimm

MONDAY, OCTOBER 28th

Video Presentation

- 9.20 **Endo-Bentall**
M. Ghoreishi
- 9.25 **TAVI in hostile access**
N. Taglieri
- 9.30 **Fiber optic technology for real-time device guidance: initial experience**
S. Wipper
- 9.35 **Augmented Reality Guidance for Surgical Reoperation for failed self-expanding prosthesis in Valve-in-Valve TAVR**
F. Musumeci
- 9.40 **Discussion**
- 10.40 *Coffee break*

12.00 **LECTURE**
NOBILITY IN SMALL THINGS
C. R. Smith

12.30 *Lunch*

MONDAY, OCTOBER 28th

Live Surgery Demonstration

ROSS OPERATION

From the Operating Room of the S. Orsola Hospital

G. El Khoury and S. Orsola team members

13.30-16.30 SESSION II AORTIC ROOT AND ASCENDING

Moderators: *R. Di Bartolomeo, L. Maroto, H. Takayama*

13.30 Heritable thoracic aortic diseases

B. Loeys

13.40 EACTS - STS guidelines on diagnosis and treatment of the diseases of the aortic organ

M. Czerny

13.50 Aortic Valve Repair: pure art or only technique?

L. De Kerchove

14.00 Valve sparing root replacement: are the sinuses really important?

R. De Paulis

14.10 Long term results of Ross Procedure

I. El-Hamamsy

Video Presentation

14.20 Aortic valve replacement: 15 years of clinical experience with sutureless technology

B. Meuris

14.25 A complex case of valve sparing root reimplantation in a patient with bicuspid aortic valve and an aberrant coronary artery

V. Lorenz

14.30 Personalized External Aortic Root Support (PEARS)

C. Austin

14.35 BAV and TAV Repair with internal ring

M. Rinaldi

14.40 Root repair with patch technique

P. Urbanski

14.45 Next-generation Bio-Bentall: fluid dynamic performance and preliminary European results

G. Murana

14.50 Discussion

16.30 Coffee break



17.00-19.00 SESSION III

AORTIC ARCH

Moderators: *A. Martens, H. Matsuda, A. Oo*

- 17.00 **How to optimize cerebral perfusion during circulatory arrest**
M. Kuduvalli
- 17.10 **Arterial cannulation in aortic arch surgery: which one, when and why**
L. Di Marco
- 17.20 **Is conventional aortic arch surgery justifiable in octogenarians?**
K. Minatoya
- 17.30 **Management of residual distal dissection**
H. Takayama
- 17.40 **Rapidlink: New Hybrid Product for simplifying Supra-aortic vessel anastomoses**
M. Shrestha
- 17.50 **Endovascular Arch repair: single, double or triple branched?**
L. Lovato

Video Presentation

- 18.00 **REDO Arch surgery**
A. Oo
- 18.05 **New developments in Frozenix**
H. Ogino
- 18.10 **New device for FET**
M. Di Eusanio
- 18.15 **Evita Neo: tips and tricks**
K. Tsagakis
- 18.20 **Aortic arch repair with trifurcated graft**
D. Spielvogel
- 18.25 **Initial experience with Thoraflex Hybrid graft in complex anatomy**
T. Yamabe
- 18.30 **How to simplify the FET. Our approach**
F. Fleischman
- 18.35 **Annulus to aortic bifurcation replacement - A two stage repair**
M. Idhrees
- 18.40 **Discussion**
- 19.00 **End of the first day**

TUESDAY, OCTOBER 29th

**8.30-10.30 SESSION IV
DESCENDING AND THORACO-ABDOMINAL**

Moderators: V. Bashi, R. Chiesa, M. Grabenwöger

- 8.30 **Thoracic and TAAA: evidence, uncertainties and future treatment**
J. Coselli
- 8.40 **Differences in surgical long-term outcomes between HTAD and non-HTAD patients**
F. Schoenhoff
- 8.50 **Sex related differences in thoracic aortic surgery**
O. Preventza
- 9.00 **Single and multistaged strategies FEVAR/BEVAR**
N. Tsilimparis
- 9.10 **Current evidence and management of thoracoabdominal Stent-graft Infection**
L.N. Girardi
- 9.20 **Endovascular aortic intervention in patients with connective tissue disease: pros and cons.**
A. Estrera

Video Presentation

- 9.30 **Thoraflex Hybrid and Relay Extension (EXTEND) Study: preliminary results**
C. Malaisrie
- 9.35 **Intercostal artery reconstruction: techniques and results**
N. Shiiya
- 9.40 **How I do Thoraco-Abdominal Aortic Aneurysm Repair**
A. Z. Apaydin
- 9.45 **Homemade fenestrated physician-modified stent grafts for arch aortic degenerative aneurysms**
L. Canaud
- 9.50 **In-Situ Fenestration for Isolate Left Subclavian Artery Preservation during Thoracic Endovascular Aortic Repair Using an Adjustable Needle Puncturing System**
G. Piffaretti
- 9.55 **Left subclavian Artery Preservation with Thoracic branched endoprosthesis**
H. Patel
- 10.00 **A new hybrid graft for open thoracoabdominal aortic aneurysm repair**
S. Wipper
- 10.05 **The stabilise concept to address malperfusion on acute and subacute type B aortic dissections**
G. Melissano
- 10.10 **Endovascular repair of a residual Aortic dissection on a elderly high-risk patient**
G. Gemayel
- 10.15 **Discussion**
- 10.40 *Coffee break*



PLENARY ROOM

11.00-13.00 SESSION V

ACUTE AORTIC SYNDROME

Moderators: M. Ehrlich, L. Girardi, H. Shimizu

- 11.00 **Acute Aortic Dissection: an update from IRAD**
S. Trimarchi
- 11.10 **Cerebral and visceral Malperfusion: how to deal with it?**
E. Chen
- 11.20 **Aortic Arch stenting with uncovered graft: indications and results**
M. Ouzounian
- 11.30 **External wrapping for acute type A aorta dissection: rationale, technique and results**
R. Ramadan
- 11.40 **The Penn Classification System for Malperfusion in Acute type A Dissection**
J. Bavaria
- 11.50 **Hemiarch and total arch replacemet +FET for acute type A aortic dissection
-10 years Experience of Nanjing First Hospital, Nanjing, China**
X. Chen

Video Presentation

- 12.00 **How I perform FET in Acute Aortic Dissection**
A. Yoshitake
- 12.05 **Techniques and outcome of total arch replacement for acute type I
dissection: TARFET vs. TAR with conventional elephant trunk**
K.H. Park
- 12.10 **Semi-custom fenestrated endograft for the treatment of chronic type B
dissections**
S. Gennai
- 12.15 **Arch management in acute aortic dissection: our approach**
E. Turner
- 12.20 **Aortic dissection with tracheal fistula**
K. Jian
- 12.25 **A simplified delivery frozen elephant trunk: a new approach to
reduce circulatory arrest and allows hybrid arch surgery without cooling**
G. Guimbretière
- 12.30 **Optimizing FET Experience: Insights and Strategies for Improvement**
V.A. Sorokin
- 12.35 **Aortic arch aneurysm**
E. Flores
- 12.40 **Discussion**
- 13.00 **Lunch**

TUESDAY, OCTOBER 29th

PLENARY ROOM

14.00 LECTURE
A TRIBUTE TO THE PIONEERS OF AORTIC SURGERY
S. Lansman

14.30-15.00 SESSION VI

Video Presentation

Moderators: *E. Chen, M. Idhrees, H. Takayama*

- 14.30 The sleeve operation: how I do it**
C. Muneretto
- 14.35 Valve-Sparing procedure: tips and tricks**
A. Leone
- 14.40 The combination of Florida sleeve and Ozaki procedures for the aortic root repair**
M. Snegirev
- 14.45 Mini-FET**
P. Verbrugghe
- 14.50 Discussion**

15.00-16.00 THE GREAT DEBATE

THE FUTURE OF CARDIOVASCULAR SURGERY IN THE transcatheter ERA

Moderators: *J. Bavaria, D. Pacini*

- **Heart/Aortic Team and Heart Valve/Aortic centers**
 - **Education of the next generation of CV Surgeon**
 - **Role of open aortic surgery**
R. Chiesa, J. Eleftheriades, A. Estrera, Y. Okita, O. Preventza, C. Smith
- 16.00 Closing remarks**
D. Pacini

16.00-17.00 HANDS-ON

Tutors: *A. Leone, G. Murana*



MONDAY, OCTOBER 28th

PARALLEL SESSION

**17.00-19.00 PERFUSIONIST SESSION I
FLOW-DYNAMICS**

Moderators: *G. Debeuckelaere, F. Zanzico*

- 17.00** **Welcome greetings**
Davide Pacini
Symposium Director
- 17.05** **Introduction to perfusionist sessions**
F. Zanzico
- 17.10** **Perfusion in Europe, what's in for you**
G. Debeuckelaere
- 17.15** **How to decide cerebral perfusion flow during ASCP.
Real or ideal weight, which one is the best?**
M. Corradini
- 17.30** **Willis circle: a pentagone life saver**
M. Ranucci
- 17.45** **Cerebral metabolic rate of O₂ (CMRO₂)**
F. Cucciniello
- 18.00** **Optimisation of extracorporeal circulation and its applications in aortic surgery**
D. Bredice
- 18.15** **Integrated and non-integrated leukocytes filters in CPB circuits:
the impact on the inflammatory reaction during aortic surgery**
L.F. Mantovani
- 18.30** **Discussion**
- 19.00** **End of the first day**

TUESDAY, OCTOBER 29th

PARALLEL SESSION

8.30-10.30 PERFUSIONIST SESSION II

FLUID-DYNAMICS

Moderators: M. Ranucci, M. Cotza

- 8.30 **Ultrafiltration: when it' s time to stop**
F. Esposito
- 8.45 **Iperkaliemic vs hyposodic cardioplegia: comparing solution**
C.J. Preusse
- 9.00 **Del Nido cardioplegia in aortic arch surgery: our experience**
E. Pilato
- 9.15 **Hypercapnia during cerebral perfusion: is it still a good strategy or an obsolete practice?**
I. Mandatori
- 9.30 **Intraoperative autotransfusion with platelet salvage is now available**
S. Perrin
- 9.45 **Intra-operative and post-operative auto-transfusion during aortic surgery**
I. Tessadri
- 9.55 **3 Voice symposium about blood management: a real team work**
E. Neri, A. Puddu, I. Tessadri
- 10.15 **Discussion**
- 10.40 *Coffee break*

TUESDAY, OCTOBER 29th

PARALLEL SESSION

11.00-13.00 PERFUSIONIST SESSION III

DYNAMIC PATHWAYS

Moderators: *F. Nicolini, C. De Vincentiis*

- 11.00** Strategies for body perfusion and organ protection during thoraco-abdominal aortic surgery
S. de Jong
- 11.20** Invasive monitoring during arch and thoracic-abdominal surgery: a monitor rich of values
V. Roncarati
- 11.35** Keeping patency of artery of Adamkiewicz: tips and tricks
H. Matsuda
- 11.50** A multidisciplinary multistage approach of a urgent TAAA in a young pregnant patient with LDS: McECC and Hybrid Room management by perfusionist team ... Our experience
S. Mercurio
- 12.05** Shaping a safer future for those affected by aortic dissection; The Aortic Dissection Charitable Trust
G. Cooper, C. Fowler
- 12.25** Discussion

13.00-14.00 LUNCH INDUSTRY SYMPOSIUM

Moderators: *A. Leone, V. Ovi*

- 13.00** Future Trends in Cannula Technologies for Cardiac Surgery and ECMO
A.C. Rognoni
- 13.15** The New Era of Perfusion has started
S. Salazzari
- 13.30** COLIBRI, the newest ECMO solution. Where Innovation meets technology to maximize patients care
C. A. Tassi
- 13.45** The role of the perfusionist in Impella scenario
E. Lorenzetti

VIDEO ROOM

A selection of the received video will be available for consultancy in the Video room:

Plenary Citation - Session I

1. **How to remove a Sapein 3 TAVI**
G. Gelpi, Milano - Italy
2. **TAVR endocarditis surgical management through commando procedure**
C. Savini, Cotignola - Italy
3. **High Complex REDO surgery for VIV-TAVR dysfunction in congenital aortic valve disease**
A. Olimpieri, Roma - Italy

Plenary Citation - Session II

4. **Tricuspidization of the bicuspid aortic valve**
Y. Okita, Kobe – Japan
5. **Aortic valve leaflet reconstruction technique with three same-sized leaflets guided by 3-D virtual reality imaging evaluation**
T. Tedoriya, Tokio - Japan
6. **Giant Aneurysm of the right coronary sinus**
A. Sala, San Donato Milanese - Italy
7. **Aortic Valve Repair in a Type C (very asymmetric) bicuspid aortic valve**
A. Rapagnani, Brussels - Belgium
8. **Imperial REDO Bentall, a challenging case from the birthplace of the procedure**
R. Abbasciano, London - UK
9. **V-SARR modo David in patients with anomalous coronary ostial origins**
M.K. Kolowca, Rzeszow - Poland

Plenary Citation - Session III

10. **Off-pump Axillo-axillary Cerebral Perfusion During Branch-First Stage of Total Aortic Arch Replacement**
A. Sidik, Moscow - Russia
11. **A creative solution for an (un) anticipated endoleak in kommerell diverticulum**
J. Gardellini, Verona - Italy
12. **One stage aortic arch replacement and antegrade off-pump TEVAR for thoracic mega-aortic syndrome: an alternative to FET**
A. Agostinelli, Parma - Italy

VIDEO ROOM

Plenary Citation - Session IV

13. **A smooth approach for extended thoracic aorta repair. Lateral thoracotomy and mid-line sternotomy**
A. Saha, Kolkata - India

Plenary Citation - Session V

14. **An indigenous technique of surgical management in a case of acute on chronic type A & type B aortic dissection**
S. Bose, Durgapur - India
15. **Heart accident emergency cardiac trauma treatment**
T. Gençpınar, Izmir - Turkey

VIDEO ROOM

16. **FET without circ arrest**
M. Galeazzi, Ancona - Italy
17. **Endoscopic aortic valve surgery. The “Vicenza method”**
D. Zoni, Vicenza - Italy
18. **Aortic Valve Neocuspidization (Ozaki procedure); How We Do It**
A. Sidik, Moscow - Russia
19. **Early failure of aortic valve neocuspidalization (Ozaki procedure) - surgical management**
S. Snaidero, Cotignola - Italy
20. **Valve sparing technique for a giant right-coronary sinus pseudoaneurism: the Yacoub procedure**
S. Snaidero, Cotignola - Italy
21. **Staged endovascular treatment for a TAAA with coexistent occlusion of left external and right internal iliac arteries**
D. Zhihui, Shanghai - China
22. **Combined triple valve procedure with Perceval bioprosthesis implantation**
F. Zucchetta, Cotignola - Italy
23. **Total arch replacement using FET in patient with aberrant RSA.**
A. Leone, Bologna - Italy
24. **Anatomical reimplantation of the left subclavian artery during aortic arch replacement**
G. Murana, Bologna - Italy
25. **Reoperative aortic arch replacement with fully biological conduit.**
L. Di Marco, Bologna - Italy
26. **The modified Bentall operation using a complete biological valve conduit**
A. Leone, Bologna - Italy
27. **Arch replacement using the Thoraflex hybrid in a Marfan patient after previous type A repair**
L. Botta, Bologna - Italy

28. **David procedure: reimplantation of a tricuspid aortic valve**
G. Folesani, Bologna - Italy
29. **Valve Sparing aortic root replacement in bicuspid aortic valve**
S. Martin Suarez, Bologna - Italy
30. **Total endovascular aortic arch repair using a triple-branched device**
C. Mariani, Bologna - Italy
31. **Thrombectomy using angioVAC system in complicated TEVAR:
a bailout technique**
F. Buia, Bologna - Italy
32. **Thoracoabdominal aortic aneurysm repair in a young Marfan patient**
G. Barberio, Bologna - Italy
33. **TEVAR in complicated acute type B aortic dissection**
D. Attinà, Bologna - Italy
34. **Frozen Elephant Trunk in a Shaggy Aorta**
L. Di Marco, Bologna - Italy
35. **Frozen Elephant Trunk with E-vita open Neo**
G. Murana, Bologna - Italy
36. **Prosthesis sparing operation after previous aortic valve replacement**
M. Pagliaro, Bologna - Italy

HANDS ON - OCTOBER 29th 16.00-17.00

Boost your confidence with the **Frozen Elephant Trunk technique**.

Our expert team would guide you during the simulation of a Thoraflex hybrid graft implantation, from stent graft release to arch vessels reconstruction.

A unique learning session to enhance your practical skills in aortic arch surgery.

FACULTY

Conal Austin, London - UK

Anil Ziya Apaydin, Izmir - Turkey

Velayudhan V. Bashi, Manapakkam Chennai - India

Joseph Bavaria, Philadelphia - USA

Daniele Bredice, Charleroi - Belgium

Ludovic Canaud, Montpellier - France

Mauro Cassese, San Giovanni Rotondo - Italy

Edward Chen, Durhan - USA

Xin Chen, Nanjing - China

Roberto Chiesa, Milano - Italy

Graham Cooper, Chesterfield - UK

Michela Corradini, Bologna - Italy

Joseph Coselli, Houston - USA

Mauro Cotza, Milano - Italy

Fabrizio Cucciniello, Bologna - Italy

Martin Czerny, Freiburg - Germany

Gerdy Debeuckelaere, Antwerp - Belgium

Sytse de Jong, Nieuwegein - Netherlands

Laurent De Kerchove, Brussels - Belgium

Ruggero De Paulis, Roma - Italy

Carlo De Vincentiis, Milano - Italy

Roberto Di Bartolomeo, Bologna - Italy

Francesca Esposito, Bologna - Italy

Marco Di Eusanio, Ancona - Italy

Luca Di Marco, Bologna - Italy

Marek Ehrlich, Vienna - Austria

Gebrine El Khoury, Brussels - Belgium

John Eleftheriades, New Haven - USA

Ismail El-hamamsy, New York - USA

Anthony L. Estrera, Houston - USA

Fernando Fleischman, Los Angeles - USA

Catherine Fowler, Chesterfield - UK

Stefano Gennai, Modena - Italy

Mehrdad Ghoreishi, Baltimore - USA

Leonard N. Girardi, New York - USA

Martin Grabenwöger, Wien - Austria

Michael Grimm, Innsbruck - Austria

A. Mohammed Idhrees, Chennai - India

Manoj Kuduvali, Liverpool - UK

Steven Lansman, Valhalla - USA

Alessandro Leone, Bologna - Italy

Bart Loeys, Antwerp - Belgium

Luigi Lovato, Bologna - Italy

Chris Malaisrie, Evanston - USA

Ilenia Mandatori, Bologna - Italy

Lorenzo Filippo Mantovani, Cotignola - Italy

Luis Maroto, Madrid - Spain

Andreas Martens, Oldenburg - Germany

Hitoshi Matsuda, Suita, Osaka - Japan

Germano Melissano, Milano - Italy

Stefano Mercurio, Charleroi - Belgium
Bart Meuris, Leuven - Belgium
Patrick Myers, Lausanne - Switzerland
Kenji Minatoya, Kyoto - Japan
Claudio Muneretto, Brescia - Italy
Giacomo Murana, Bologna - Italy
Francesco Musumeci, Roma - Italy
Eugenio Neri, Siena - Italy
Francesco Nicolini, Parma - Italy
Hitoshi Ogino, Tokyo - Japan
Yutaka Okita, Kobe - Japan
Aung Y Oo, London - UK
Maral Ouzounian, Toronto - Canada
Valentina Ovi, Bologna - Italy
Davide Pacini, Bologna - Italy
Kay-Hyun Park, Seoul - Republic of Korea
Himanshu Patel, Ann Arbor - USA
Stephanie Perrin, Lyon - France
Gabriele Piffaretti, Varese - Italy
Emanuele Pilato, Napoli - Italy
Clauss Jurgen Preusse, Bonn - Germany
Ouranía Preventza, Charlottesville - USA
Antonella Puddu, Siena - Italy
Ramzi Ramadan, Paris - France

Marco Ranucci, Milano - Italy
Mauro Rinaldi, Torino - Italy
Valentina Roncarati, Bologna - Italy
Florian Schoenhoff, Bern - Switzerland
Norihiko Shiiya, Hamamatsu - Japan
Hideyuki Shimizu, Tokyo - Japan
Malakh Lal Shrestha, Rochester - USA
Craig R. Smith, New York - USA
David Spielvogel, Valhalla - USA
Nevio Taglieri, Bologna - Italy
Hiroo Takayama, New York - USA
Ilaria Tessadri, Siena - Italy
Santi Trimarchi, Milano - Italy
Konstantinos Tsagakis, Cologne - Germany
Nicolas Tsilimparis, Munich - Germany
Eduardo Turner, Santiago - Chile
Paul P. Urbanski, Bad Neustadt - Germany
Sabine Wipper, Innsbruck - Austria
Tsuyoshi Yamabe, Kamakura - Japan
Akihiro Yoshitake, Saitama - Japan
Federica Zanzico, Bologna - Italy



GENERAL INFORMATION

SYMPOSIUM VENUE

[Bologna Congress Center](#)

Piazza della Costituzione, 4
40128 Bologna - Italy

SECRETARIAT ON SITE

The reception desk will be open at the Symposium venue on the following days:

- Monday, October 28th: 8.00 - 19.00
- Tuesday, October 29th: 8.00 - 17.00

OFFICIAL LANGUAGE

The official Course language is English.

ELECTRONIC BADGE

Electronic badge allows the access to the scientific sessions and to any service purchased during your registration (Conference Dinner).

Please PRINT your badge, you will find the badge holder in your congress kit that you may collect at the symposium venue.

INTERNET ACCESS

All conference environments are covered by Wi-Fi broadband connection.

Wi-Fi network Name: BHSS

Password: bhss2024

PHOTO

A photographer will be present during the event and will be doing a photo shoot that will be used in all means of communication for the event.

ACCREDITATION



EBCP: 8 points

CERTIFICATION OF ATTENDANCE

Certificates of Attendance will be sent by e-mail at the end of the Symposium.

SOCIAL PROGRAMME

Monday, 28th October at 20.30

CONFERENCE DINNER: Palazzo Re Enzo - Piazza del Nettuno, 1 - 40125 Bologna
The Dinner has a cost of € 120,00. Please bring your badge.

Monday, 28th October at 14.30

BOLOGNA GUIDED TOUR

The Piazza Maggiore tour includes visits to all the buildings and monuments surrounding the main square of Bologna: Palazzo d'Accursio, Palazzo dei Notai, Palazzo di Re Enzo, Palazzo del Podestà and Fontana del Nettuno. There is a visit to Basilica di San Petronio and a walking tour through the historical centre and its traditional market.

The meeting point at 14.00 at secretariat desk.

REGISTRATION FEES

(price including 22% VAT)

Physician	€ 450,00
Physician SICCH, TSCVS, IACTS, ASCVTS and JATS Members	€ 350,00
Nurse	€ 120,00
Resident	€ 120,00
Perfusionist	€ 120,00
Conference dinner	€ 120,00

Registration fee includes:

Admittance to all sessions, access to the exhibition, Congress kit, coffee breaks, light lunches on October 28th and 29th.

WEBSITE



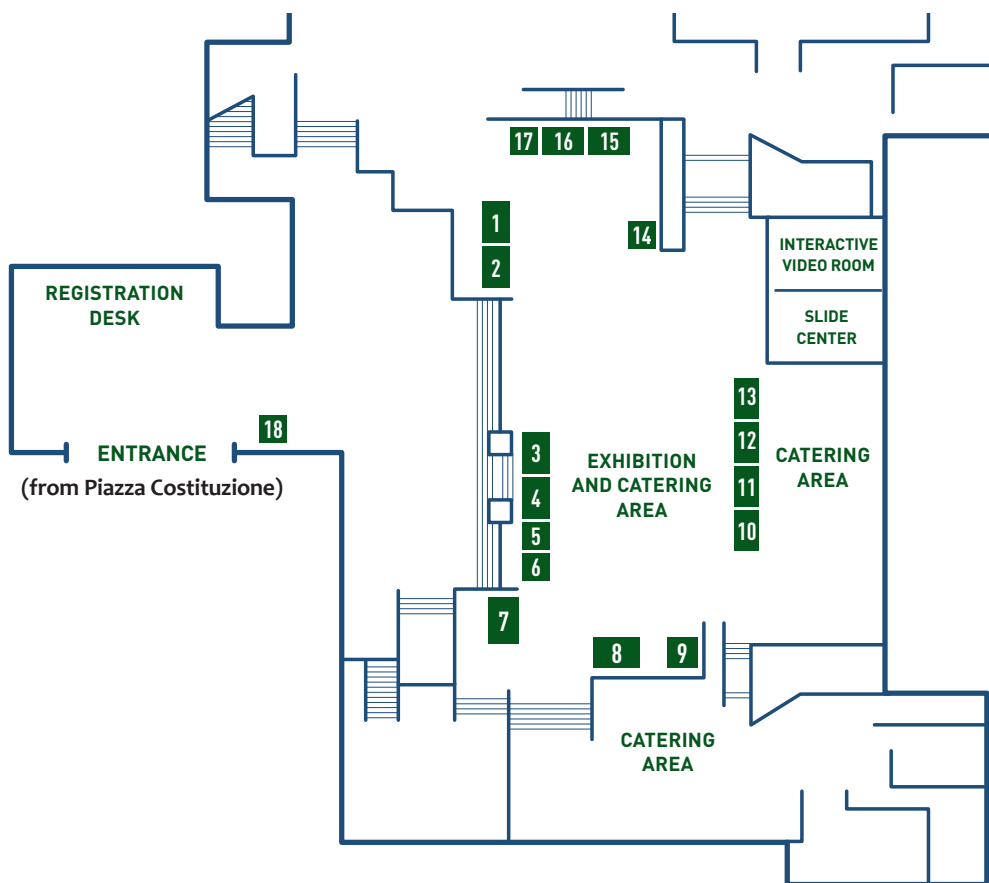
ORGANIZING SECRETARIAT

N O E M A

Via Orefici 4 - Bologna (Italy) - Ph. +39 051 230385
info@noemacongressi.it - www.noemacongressi.it



EXHIBITION AREA



1. PENUMBRA EUROPE
2. MEDICAL INSTRUMENTS
- PETERS - 3D MATRIX
3. ARTIVION
4. CORCYM
5. APTIVA MEDICAL
6. CARDIO SURGICAL
- LEVI BIOTECH

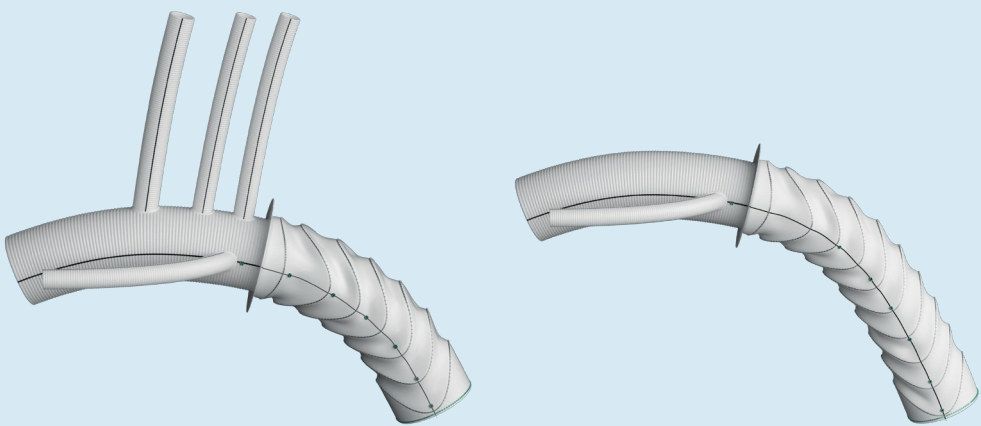
7. JAPAN LIFELINE
8. CORZA
9. XVIVO
10. ARTECH
11. ACILIA HS
12. MEDTRONIC
13. TERUMO AORTIC

14. LIVANOVA
15. PHILIPS
16. FRESENIUS MEDICAL CARE
- TECNOHEALTH
17. GETINGE
18. THE AORTIC DISSECTION
CHARITABLE TRUST



Conforming Arch Surgery to the Gold Standard

Thoraflex™ Hybrid is designed for the open surgical repair of aneurysms and/or dissections in the aortic arch and descending aorta with or without involvement of the ascending aorta, offering surgical confidence and versatility to deliver proven outcomes for the Frozen Elephant Trunk procedure.



8.1%
30 day mortality rate ¹
Acute Thoracic Aortic Syndrome
(5/62 patients)

100%
Gelatin Sealed Gelweave™ surgical graft and polyester stent graft

100%
False Lumen Thrombosis (within 2 years) ²
At the level of the stent graft

5%
30 day mortality rate ¹
(Total 9/181 patients)



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¹. Results from Thoraflex Hybrid Post-Market Study (THOR) - NCT03414866 (unpublished).
². Shrestha et al. (2016). Total aortic arch replacement with a novel 4-branched frozen elephant trunk prosthesis: single-centre results of the first 100 patients. *Journal of Thoracic & Cardiovascular Surgery*. 152 (1), pp148-159.

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