



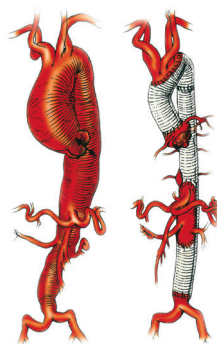
Final Programme

# Surgery of The Thoracic Aorta

TENTH POSTGRADUATE  
COURSE



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



Endorsed by  
Italian Society for Cardiac Surgery



11<sup>th</sup> - 12<sup>th</sup> NOVEMBER 2019

BOLOGNA - ITALY



**Course Directors**  
Roberto Di Bartolomeo  
Davide Pacini



Cardiac Surgery Department  
University of Bologna  
S. Orsola Hospital  
Bologna, Italy

Endorsed by The Japanese  
Association for Thoracic Surgery



## FACULTY

### COURSE DIRECTORS:

ROBERTO DI BARTOLOMEO, Professor  
Alma Mater Studiorum - University of Bologna - Italy  
DAVIDE PACINI, S. Orsola Hospital, Professor  
Alma Mater Studiorum - University of Bologna - Italy

## LOCAL FACULTY

CARDIAC SURGEONS  
ANESTHESIOLOGISTS  
CARDIOLOGISTS  
RADIOLOGISTS

Department of Cardiac Surgery  
S. Orsola Hospital  
University of Bologna - Italy

## INTERNATIONAL FACULTY

### CARLO ANTONA

Luigi Sacco Hospital, Milan - Italy

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### MARTIN CZERNY

University Heart Center Freiburg-Bad Krozingen, Freiburg - Germany

### RUGGERO DE PAULIS

European Hospital, Rome - Italy

### MARCO DI EUSANIO

AOU Ospedali Riuniti "Umberto I" - Lancisi - Salesi, Ancona - Italy

### AUGUSTO D'ONOFRIO

U.O. Cardiocirurgia, Dipartimento di Scienze Cardiologiche,  
Toraciche e Vascolari, Università degli Studi di Padova, Padova - Italy

### GEBRINE EL KHOURY

St-Luc Hospital, Brussels - Belgium

### ANTHONY ESTRERA

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Università di Verona, Verona - Italy

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Studiorum Università di Bologna, Bologna - Italy

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### HEINZ JAKOB

University of Essen, West German Heart Center, Essen - Germany

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### KAY-HYUN PARK

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### ALESSANDRO PAROLARI

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### ALBERTO POCHETTINO

Mayo Clinic, Rochester - USA

### ERIC E. ROSELLI

Cleveland Clinic heart and Vascular Institute, Cleveland - USA

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AZ St. Jan, Bruges - Belgium

### MALAKH LAL SHRESTHA

Hannover Medical School, Hannover - Germany

### NAOKI TOYA

The Jikei University Kashiwa Hospital, Chiba - Japan

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### PAUL URBANSKI

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### BASHI V. VELAYUDHAN

SIMS Hospital - Vadapalani, Chennai - India



11<sup>th</sup> - 12<sup>th</sup> NOVEMBER 2019

# Surgery of The Thoracic Aorta

**TENTH POSTGRADUATE COURSE**

## **UNDER THE AUSPICES OF**

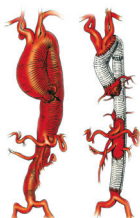
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for Cardiac Surgery, SICCH

Italian College  
of Cardiac Surgeons

Dipartimento di Medicina Specialistica,  
Diagnostica e Sperimentale  
Alma Mater Studiorum  
Università di Bologna

Azienda Ospedaliero-Universitaria di Bologna  
Policlinico S. Orsola

The Japanese Association for Thoracic Surgery



Cardiac Surgery Department  
University of Bologna  
S. Orsola Hospital  
Bologna, Italy



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**Monday**  
**11<sup>th</sup> November 2019**

**INTERACTIVE SESSION**  
**VIDEO PRESENTATIONS:**

**SCIENTIFIC  
PROGRAMME  
MORNING**

**07.30** Participants' registration

**08.15** Welcome addresses

*R. Di Bartolomeo*  
*D. Pacini*

**08.30-13.00**

**AORTIC VALVE AND AORTIC ROOT**

Chairmen: *R. Di Bartolomeo, R. De Paulis,*  
*A. Parolari*

**Aortic Valve Sparing surgery:  
a standardised approach**

*Gebrine El Khoury*

**GREAT DEBATE:**

**Current controversies regarding  
Aortic Valve sparing and repair of the  
bicuspid Aortic Valve**

- *Carlo Antona*
- *Ruggero De Paulis*
- *Joseph Bavaria*
- *Gebrine El Khoury*
- *Edward Chen*
- *Emmanuel Lansac*

**Patient-tailored root repair**

*Paul Urbanski*

**Aortic Annuloplasty: a tailored  
approach of bicuspid repair according  
aorta phenotype**

*Emmanuel Lansac*

**The sutureless AVR experience in  
a single center: 11 years of use in  
more than 600 patients**

*Bart Meuris*

**10.30-10.50**

**Coffee Break**

**LIVE SURGERY DEMONSTRATION**

From the Operating Room of S. Orsola Hospital

**13.00** Lunch

1. Is "good" Ozaki operation enough?  
Benedik Jaroslav, Krefeld, Germany
2. Can cardiac surgeons perform complex TAVI cases?  
Cassese Mauro, San Giovanni Rotondo, Italy
3. Minimally invasive David Procedure  
Beckmann Erik, Hannover, Germany
4. Aortic Valve Neocuspidalization with Autologous Pericardium: The Ozaki Technique  
Albertini Alberto, Cotignola, Italy
5. Bicuspid Aortic Valve Repair with External Ring Stabilization  
Kelly John J., Philadelphia, USA
6. How to repair a type I R/N bicuspid valve  
Antona Carlo, Milano, Italy
7. Bicuspid Aortic Valve Repair with Repositioning: technical considerations  
Mangini Andrea, Milano, Italy
8. A case of valve-sparing aortic root replacement in a patient with full metal jacket aorta  
Minatoya Kenji, Osaka, Japan
9. New tools in minimal invasive aortic surgery  
Martin Suarez Sofia, Bologna, Italy

**Monday**  
**11<sup>th</sup> November 2019**

**INTERACTIVE SESSION**  
**VIDEO PRESENTATIONS:**

**SCIENTIFIC  
PROGRAMME  
AFTERNOON**

**14.00-19.00**

**AORTIC DISSECTION**

Chairmen: *J. Bavaria, H. Jakob*

**Time delay between onset  
of symptoms and operation  
in acute type A aortic dissection**

*Marc Schepens*

**Hemiarch for Type A:  
Still The Gold Standard**

*Steven Lansman*

**The Frozen Elephant Trunk:  
is it the gold standard in Acute Type I  
Dissection?**

*Malakh Lal Shrestha*

**The TEVAR first approach for  
Mesenteric Malperfusion in Type A  
Dissection**

*Edward Chen*

**Endovascular Aortic Arch Repair for  
Residual Type A Aortic Dissection**

*Tilo Kölbel*

**Quo Vadis Thoracic Aortic Surgery?**

*Joseph Bavaria*

**16.30-16.50**

**Coffee Break**

**LIVE SURGERY DEMONSTRATION**

*From the Operating Room of S. Orsola Hospital*

**19.00** Closing remarks

- 10.** Retrograde cerebral flushing with direct open cannulation in AADA  
Martens Andrea, Hannover, Germany
- 11.** FET in chronic aortic dissection after previous Type A dissection surgery  
Maroto Castellanos Luis Carlos, Madrid, Spain
- 12.** Next Generation of Branched Frozen Elephant Trunk Prosthesis: Evita-open SSB  
Grabenwoger Martin, Vienna, Austria
- 13.** AMDS Hybrid Procedure for ATAAD  
Montagner Matteo, Berlin, Germany
- 14.** Valve-Sparing Root with Hemi-Arch for an Ascending Aortic Aneurysm with a Bicuspid Valve  
Mehta Christopher K., Philadelphia, USA
- 15.** David operation for type A aortic dissection  
Misfeld Martin, Leipzig, Germany

**Tuesday**  
**12<sup>th</sup> November 2019**

**INTERACTIVE SESSION**  
**VIDEO PRESENTATIONS:**

**SCIENTIFIC  
PROGRAMME  
MORNING**

**08.15-13.00**

**AORTIC ARCH**

Chairmen: *R. Di Bartolomeo, J. Bavaria,*  
*M.L. Shrestha*

**E-vita open: Long term experience  
and perspectives**

*Konstantinos Tsagakis*

**Thoraflex hybrid prosthesis: our  
experience**

*Roberto Di Bartolomeo*

**Total Endovascular Aortic Arch  
Repair**

*Martin Czerny*

**Aortic arch Debranching,  
still a valid option**

*Robin Heijmen*

**Japan made frozen elephant trunk.  
Multi-center trial of total arch  
replacement in patients with aortic  
arch aneurysm and dissection:  
J-ORCHESTRA study**

*Yutaka Okita*

**Classical elephant trunk: still alive?**

*William J. Morshuis*

**10.30-10.50**

**Coffee Break**

**LIVE SURGERY DEMONSTRATION**

From the Operating Room of S. Orsola Hospital

**13.00** Lunch

- 16.** Normothermic Frozen Elephant Trunk Surgery without Circulatory Arrest: work in progress in Ancona!  
Di Eusanio Marco, Ancona, Italy
- 17.** Rapid expansion of the descending aorta following TAR with FROZENIX-Open Stent Graft (F-OSG) for thoracic aortic aneurysm in a patient with Marfan syndrome  
Tatsuya Nakao, Chiba, Japan
- 18.** Arch replacement following endovascular arch repair for an infected stent  
Oo Aung Ye, London, UK
- 19.** Hybrid approach with FET and TEVAR in a redo patient with isolated aneurysm of the aortic arch  
Carnero Manuel, Madrid, Spain
- 20.** Procedural tips and results of the made in Japan Najuta fenestrated stent graft for aortic arch aneurysm  
Toya Naoki, Kashiwa, Japan
- 21.** Aortic Arch Replacement: using the Branch First and Frozen Elephant Trunk Techniques  
Matalanis George, Melbourne, Australia
- 22.** Management of vascular rings in adults  
Pochettino Alberto, Rochester, USA
- 23.** Reoperative repair of adult aortic coarctation with explantation of thoracic stent-graft  
Girardi Leonard N, New York, USA
- 24.** Endovascular treatment of post dissection thoraco abdominal aortic aneurysm  
Gargiulo Mauro, Bologna, Italy
- 25.** Endovascular exclusion of the entire aortic arch with branched stent-graft  
D'Onofrio Augusto, Padova, Italy

**Tuesday**  
**12<sup>th</sup> November 2019**

**INTERACTIVE SESSION**  
**VIDEO PRESENTATIONS:**

**SCIENTIFIC  
PROGRAMME  
AFTERNOON**

**14.00-17.00**

**DESCENDING AND  
THORACOABDOMINAL AORTA**

Chairmen: *R. Chiesa, J. Coselli, A. Estrera*

**Management of coarctation  
of aorta in adults**

*Bashi Velayudhan*

**Open surgery for TAAA:  
is it still a horrible surgery?**

*Joseph S. Coselli*

**New adjunct in the open repair of  
thoracoabdominal aortic aneurysms**

*Roberto Chiesa*

**Secondary interventions after TEVAR**

*Anthony Estrera*

**LIVE SURGERY DEMONSTRATION**

From the Operating Room of S. Orsola Hospital

**17.00** Closing remarks  
*R. Di Bartolomeo*  
*D. Pacini*

- 26.** TAA replacement with branched graft for implantation of visceral and segmental branches  
Park Kay-Hyun, Seoul, South Korea
- 27.** Patients blood management in adult cardiac surgery: the Gemelli Molise experience  
Di Martino Luigi, Bologna, Italy
- 28.** TBD  
Estrera Anthony Lopez, Houston, USA
- 29.** Surgical Options for Treatment of Failed Freestyle Stentless Porcine Valves  
Chen Edward, Atlanta, USA
- 30.** 'Double Layer' Frozen Elephant Trunk with balloon endoclamping: a technique to facilitate 2nd stage TAAA open repair  
Di Eusanio Marco, Ancona, Italy
- 31.** TAAA replacement after TEVAR for chronic type B dissection  
Ogino Hitoshi, Tokio, Japan
- 32.** Gore Conformable with active control system: release accuracy and conformability  
Ronchey Sonia, Roma, Italy
- 33.** Extraanatomic (antehilar) placement of the prosthetic graft in descending thoracic aorta replacement for infectious conditions  
Park Kay-Hyun, Seoul, South Korea

The **10** best Video presentations will be published on JOVS (Journal of Visualized Surgery)

## INTERACTIVE ROOM

Videos listed below, together with those presented in the interactive sessions, will be available for consultancy in a multimedia room promoted by Jotec at the ground floor.

- 1.** Single-staged repair of aortic coarctation, ascending aorta aneurysm and bicuspid aortic stenosis  
Maroto Castellanos Luis Carlos, Madrid, Spain
- 2.** Single-staged repair of ascending and descending thoracic aorta aneurysm with frozen elephant trunk  
Maroto Castellanos Luis Carlos, Madrid, Spain
- 3.** Sparing of the failed autograft  
El Khoury Gebrine, Brussels, Belgium
- 4.** Stage II repair of Extent I TAAA s/p Previous Stage I Thoraflex FET  
Chen Edward, Atlanta, USA
- 5.** Minimal Access Aortic Surgery - Experience from two Aortic UK centres  
Oo Aung Ye, Liverpool, UK
- 6.** Thoracoabdominal aortic repair in chronic type B aortic dissection  
Oo Aung Ye, Liverpool, UK
- 7.** Diaphragm sparing repair of extent I thoracoabdominal aortic aneurysm  
Girardi Leonard N, New York, USA
- 8.** Replacement of the thoracoabdominal aorta post-intercostal artery coiling  
Misfeld Martin, Leipzig, Germany
- 9.** Ultra fast-track trans-axillary mini AVR  
Cefarelli Mariano, Ancona, Italy
- 10.** Redo aortic root and total arch replacement for a false aneurysm and paravalvular leakage after Wheat's operation  
Okita Yutaka, Kobe, Japan
- 11.** The Branched Stented Anastomosis Frozen Elephant trunk Repair (B-SAFER) Technique for Acute Type A  
Roselli Eric E., Cleveland, USA
- 12.** Single stage primary repair of giant aorto-esophageal fistula post TEVAR  
Roselli Eric E., Cleveland, USA
- 13.** Ascending stentgrafting with novel dedicated device for high risk acute type A dissection  
Roselli Eric E., Cleveland, USA
- 14.** Surgical repair of right-sided aortic arch with divertikel of Kommerell and complete vascular ring  
Schepens Marc, Brugge, Belgium
- 15.** Complex aortic redo aortic coarctation  
Pochettino Alberto, Rochester, USA
- 16.** Hybrid in to hybrid  
Mastrogiovanni Generoso, Salerno, Italy
- 17.** Siena Packing (a cookbook recipe for big bleeders)  
Neri Eugenio, Siena, Italy
- 18.** Full root replacement with a homograft of a very rare case of Coxiella Burnetii prosthetic aortic valve endocarditis  
Franzese Ilaria, Verona, Italy
- 19.** Cannulation and perfusion strategy in redo surgery of aortic aneurysms with direct contact to sternum  
Irimie Vadim-petru, Bad Neustadt, Germany
- 20.** Preparation of landing zone for future TEVAR during aortic arch repair  
Irimie Vadim-petru, Bad Neustadt, Germany
- 21.** Bentall procedure after previous aortic valve or complete root replacement: Usefulness of self-assembled valve conduit  
Petros Bougioukakis, Bad Neustadt, Germany
- 22.** Giant Post traumatic ascending aorta pseudoaneurysm in a 22-year-old man  
Brega Carlotta, Cotignola, Italy
- 23.** Bicuspid Aortic Valve Repair in 150°-210° Orientation: Reimplantation Technique  
Mehta Christopher K., Philadelphia, USA
- 24.** Ross - inclusion cylinder technique  
Henkens Arnaud, Brussels, Belgium
- 25.** Unusual Spontaneous Aortic Arch Thrombous - A procedure for a safe removal  
Mangini Andrea, Milano, Italy
- 26.** Redo David Procedure and Aortic Valve Repair because early Endocarditis  
Pettinari Matteo, Genk, Belgium
- 27.** Frozen Elephant Trunk followed by tevar for aortic arch dissection after Bentall procedure  
Castrovinci Sebastiano, Palermo, Italy
- 28.** Command Technique  
Mignosa Carmelo, Palermo, Italy



## **AORTIC VALVE, ASCENDING AORTA AND ROOT**

1. Ascending aorta stent graft delivery for a proximal pseudoaneurysm after FET procedure
2. Third-redo of the aortic root using the Cabrol technique in a Loyes-Dietz patient
3. Pseudoaneurysm of the left coronary button in previous Bentall procedure
4. Pseudoaneurysm of the right coronary button and tricuspid valve regurgitation in previous Bentall procedure
5. Bentall procedure for aortic root dilatation and severe aortic valve regurgitation after ascending aorta and hemiarch replacement for type A aortic dissection
6. Pseudoaneurysm in previous aortic valve replacement
7. David procedure
8. Reoperation in Bentall endocarditis
9. Prosthetic aortic valve sparing operation
10. Shelligh conduit implant for endocarditis in previous Bentall operation
11. Supra aortic stenosis in previous ascending aorta replacement
12. Bentall procedure in previous ascending aorta replacement
13. Bentall procedure with Biovalsava conduit in aortic root endocarditis
14. Iatrogenic Type A aortic dissection after arch cannulation
15. Bentall procedure with Biovalsava bixplex conduit
16. Apico aortic conduit
17. Bentall procedure with Sorin mitroflow valsava conduit
18. Transcatheter mitral valve implantation and AVR in open heart surgery: off-label techniques
19. Endovascular Approach of an Ascending Aorta Pseudoaneurysm
20. Annulo-Aortic Ectasia: valve sparing operation in Marfan syndrome
21. Ascending Aorta Aneurysm in Previous Mechanical Aortic Valve Replacement
22. David procedure in Bicuspid Aortic Valve

## **AORTIC ARCH**

23. Aortic arch and root replacement in a giant ascending aorta hematoma of 12 cm
24. Ascending aorta, hemiarch and aortic valve replacement in patient with porcelain aorta
25. Ascending aorta and arch replacement for aortic arch aneurysm and type I endoleak post thoracic endoprosthesis
26. Aortic arch replacement for pseudoaneurysm in previous Bentall operation
27. Bentall procedure and aortic arch replacement in previous ascending aorta replacement

28. Ascending aorta and hemiarch replacement in type A aortic dissection

29. Complete aortic arch replacement

30. Aortic arch replacement in type I endoleak post thoracic endoprosthesis

31. Aortic Arch replacement for pseudoaneurysm after type A aortic dissection treated with Emiarch and TEVAR

## **FROZEN ELEPHANT TRUNK**

32. FET with EVITA using the Gore hybrid prosthesis for separate epiaortic arch vessels reimplantation
33. Thoraflex implantation + Bentall procedure (redo) for chronic type A aortic dissection in a Marfan patient
34. E-VITA + Bentall procedure (redo) for a chronic type A aortic dissection after arch endografting for decoartation
35. Prosthetic aortic valve sparing reoperation (RDB technique) after FET with EVITA prosthesis
36. FET with Thoraflex prosthesis
37. FET with Thoraflex prosthesis after previous Bentall procedure
38. FET with EVITA prosthesis
39. FET, aortic root and mitral valve replacement in chronic type A aortic dissection after previous ascending aorta replacement
40. FET in lusoria subclavian artery
41. Frozen Elephant trunk and root reimplantation using Thoraflex and Gore prosthesis in a Marfan patient with acute type A aortic dissection
42. Total Arch replacement with FET after traumatic aortic injury
43. Frozen Elephant Trunk in Chronic Type B Aortic Dissection

## **THORACOABDOMINAL AORTA**

44. Hybrid 2-stage TAAA repair in Loyes-Dietz syndrome
45. Open TAAA type I repair in Takayasu syndrome
46. TAAA repair in Marfan patient with previous David operation, FET and TEVAR
47. Open repair of TAAA after previous aortic surgery (TAA+FET)
48. Open repair of TAAA using Vascutek Coselli prosthesis
49. Hybrid 2-stage approach for TAAA repair
50. TAA replacement of a large aortic aneurysm as complication of coartation
51. Extra anatomic debranching: left subclavian artery to celiac trunk
52. Abdominal vessels debranching
53. Open surgical TAAA repair using CPB: technical aspects
54. AAA repair in Marfan patient affected by type B chronic aortic dissection

# GENERAL INFORMATION

## COURSE VENUE

**Palazzo della Cultura e dei Congressi**  
P.zza della Costituzione 4/a  
40128 Bologna - Italy

## SECRETARIAT ON SITE

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

**Monday, 11<sup>th</sup> November**

7.30 • 19.00

**Tuesday, 12<sup>th</sup> November**

8.00 • 17.00

## OFFICIAL LANGUAGE

The official Course language is English. Simultaneous translation will be provided from English to Italian.

## CERTIFICATION OF ATTENDANCE

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

## LIABILITY

The organisers accept no liability whatsoever in case of injury to Course participants or for damage or loss to personal belongings either during the meeting or during Course events.

## REGISTRATION FEES

price including 22% VAT

<b>Surgeons</b>	€ 780,00
<b>SICCH Members*</b>	€ 610,00
<b>Trainees</b>	€ 130,00
<b>Accompanying Guests</b>	€ 190,00

\* Reduced fee for individual registrations only

### The registration fee for Surgeons includes:

Admittance to all sessions, access to the exhibition, Course materials, certificate of attendance, coffee breaks and lunches on 11th and 12th November, Course Dinner on 11 th November.

### The registration fee for Trainees includes:

Admittance to all sessions, access to the exhibition, Course materials, certificate of attendance, coffee breaks and lunches on 11th and 12th November.

### The registration fee for Accompanying Guests includes:

Course Dinner on 11th November, a guided tour on 12th November.

## USEFUL NUMBERS

Taxi: +39 051 372727 - +39 051 5490

Flight Information: +39 051 6479615

Railway information: +39 89 20 21

## SOCIAL PROGRAMME

**Monday, 11<sup>th</sup> November**

### COURSE DINNER

Palazzo Re Enzo

Piazza del Nettuno, 1 - 40125 Bologna

Palazzo Re Enzo was built between 1244 and 1246 as an extension of the other municipal buildings. Just three years later, it became the "Residenza" of the imprisoned king of the battle of Fossalta: King Enzo of Sardinia, son of Federico II who spent here twenty-three years until his death in 1272. Many legends about this historical figure flourished in popular literature. The war machines belonging to the army and the Carroccio were preserved on the ground floor, while the sessions of the People's Council were held in the open gallery on the first floor, accessed by a covered staircase. On the right-hand side of the building you can find the entrance to the chapel of Santa Maria dei Carcerati, where those condemned to death were sent.

***A round trip shuttle service for Palazzo Re Enzo will be provided on November 11 at 20.15 from all the Hotels booked through the Organizing Secretariat.***

**Tuesday, 12<sup>th</sup> November**

### BOLOGNA GUIDED TOUR

Bologna is the capital of this prosperous region of Italy: Emilia Romagna. Not yet spoiled by mass tourism, the city is the ideal choice for cultural breaks as well as leisure activities and relaxation. 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.

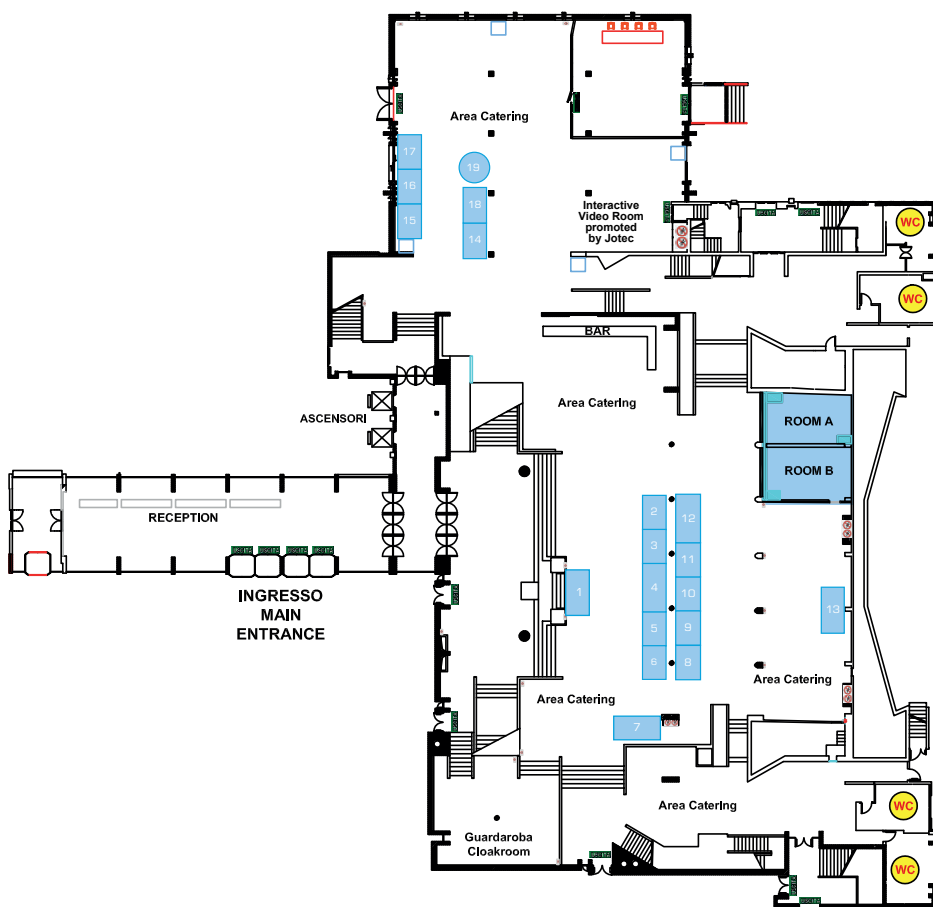
***The meeting point is in front of the Neptune fountain in Piazza Maggiore at 10.00 a.m.***

## TRANSFERS

Transfers to and from all the hotels booked through the Organizing Secretariat and also to and from the Course Dinner venue, will be available for the duration of the whole Course. You are kindly asked to find out the final transfer schedule which will be situated in the reception area of your hotel.

# EXHIBITION AREA

## GROUND FLOOR



### EXHIBITORS

EXHIBITORS	BOOTH/DESK
TERUMO AORTIC	1
ARTECH	2
JOHNSON & JOHNSON MEDICAL	3
JOTEC/CRYOLIFE	4
ASCYRUS MEDICAL	5
LEVI BIOTECH	6
LIVANOVA	7
TERUMO ITALIA	8
EUROSETS/ POLLUTION	9

### EXHIBITORS

EXHIBITORS	BOOTH/DESK
GETINGE ITALIA	10
SCANLAN INTERNATIONAL	11
MEDTRONIC ITALIA	12
MEDICAL INSTRUMENTS/3D MATRIX	13
APTIVA MEDICAL	14
DELACROIX - CHEVALIER	15
UNIVET	16
HICARUS	17
ENPROJECT MEDICALI	18
EDWARDS LIFESCENCES ITALIA-INFO POINT	19

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## ORGANIZING SECRETARIAT

**NOEMA**



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