

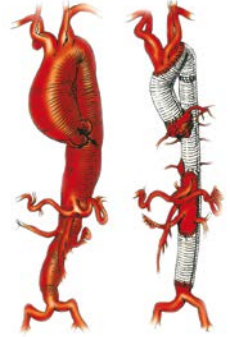
Final Programme

# Surgery of The Thoracic Aorta

NINTH POSTGRADUATE  
COURSE



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA  
DIPARTIMENTO DI MEDICINA STUCCALISTICA,  
EMERGOLOGICA E SUBACQUEA



Endorsed by  
Italian Society for Cardiac Surgery

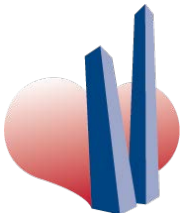


13<sup>th</sup> - 14<sup>th</sup> NOVEMBER 2017

BOLOGNA - ITALY



**Course Director**  
Roberto Di Bartolomeo



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

Endorsed by The Japanese  
Association for Thoracic Surgery



# FACULTY

## COURSE DIRECTOR

**ROBERTO DI BARTOLOMEO**  
S. Orsola Hospital  
University of Bologna - Italy

## INTERNATIONAL FACULTY

### **CARLO ANTONA**

Luigi Sacco Hospital, Milan - Italy

### **V. VELAYUDHAN BASHI**

SIMS Hospital, Chennai - India

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Hospital of the University of Pennsylvania, Philadelphia PA - USA

### **DENIS BOUCHARD**

University of Montreal, Montreal QC - Canada

### **ANDY CAMPBELL**

VP R&D Surgical Heart Valve Therapies, Edwards Lifesciences - USA

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Emory University, Division of Cardiothoracic Surgery, Atlanta GA - USA

### **ROBERTO CHIESA**

IRCC San Raffaele Hospital, Milan - Italy

### **JOSEPH S. COSELLI**

Texas Heart Institute - Baylor College of Medicine, Houston TX - USA

### **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" - GM Lancisi - G Salesi, Ancona - Italy

### **GEBRINE EL KHOURY**

St-Luc Hospital, Brussels - Belgium

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### **CHRISTIAN ETZ**

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S. Orsola Hospital, Bologna - Italy

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### **KOSTANTINOS TSAGAKIS**

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

### **ARNAUD VAN LINDEN**

Kerckhoff Heart Center, Bad Nauheim - Germany

## LOCAL FACULTY

CARDIAC SURGEONS

ANESTHESIOLOGISTS

CARDIOLOGISTS

RADIOLOGISTS

Department of Cardiac Surgery

S. Orsola Hospital

University of Bologna - Italy

## SCIENTIFIC SECRETARIAT

**DAVIDE PACINI**

**CARLO SAVINI**

Department of Cardiac Surgery

S. Orsola Hospital

University of Bologna - Italy

13<sup>th</sup> - 14<sup>th</sup> NOVEMBER 2017



# Surgery of The Thoracic Aorta

**NINTH POSTGRADUATE COURSE**

## **UNDER THE AUSPICES OF**

Italian Society  
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



ALMA MATER STUDIORUM  
UNIVERSITATIS BOLOGNENSIS  
DIPARTIMENTO DI MEDICINA SPECIALISTICA,  
DIAGNOSTICA E Sperimentale

SCIENTIFIC  
PROGRAMME  
MORNING

07.30 Participants' registration

08.15 Welcome addresses  
*R. Di Bartolomeo*

08.30-13.00

AORTIC VALVE AND ASCENDING  
AORTA SURGERY

Chairmen: *R. De Paulis, M. Di Eusanio*

**Valsalva graft: a 15-year history**

- 15 years of research. Historical note from Bologna 2003 to Bologna 2017  
*R. De Paulis*
- Practical Surgical Advantages in the use of Valsalva graft  
*G. El Khoury*
- 4D flow representation and characterization after reimplantation procedure  
*L. Girardi*
- Commissural repositioning in bicuspid aortic valve repair with Valsalva graft (video)  
*C. Antona*
- The evidence in Bentall procedure with Valsalva graft. Is this standard of care?  
*E. Chen*

**Perceval literature review: lesson learned after 10 years of clinical experience**

*D. Bouchard*

**Clinical outcomes and experiences with a new generation aortic bioprosthesis: PERIGON Pivotal Trial**

*R.J.M. Klautz*

**The new ACURATE neo Transapical TAVI System (video)**

*A. Van Linden*

10.30-10.50

Coffee Break

LIVE SURGERY DEMONSTRATION

From the Operating Room of the S. Orsola Hospital

13.00 Lunch

1. Open Surgical Repair for the Removal of an Atrial Septal Device Eroding the Aortic Root  
*Joseph S. Coselli, Houston - USA*
2. Ultra Fast Track mini AVR: going beyond reduced incisions  
*Marco Di Eusanio, Ancona - Italy*
3. New insights into bicuspid aortic valve flow pattern  
*Christian Etz, Leipzig - Germany*
4. Aortic and mitral valve repair for anterior mitral leaflet perforation caused by severe aortic regurgitation  
*Kristof De Brabandere, Leuven - Belgium*
5. Bicuspid Aortic Valve Repair in the Setting of Severe Aortic Insufficiency  
*Edward Chen, Atlanta - USA*
6. Minimally Invasive Single Sinus Replacement and Aortic Valve Repair for Asymmetric Aortic Root Aneurysm  
*Antonio Miceli, Milan - Italy*
7. Mechanical Bentall procedure after the incomplete uprooting of freestyle root  
*Wilhelm Korte, Hannover - Germany*
8. The next generation Evolut™ PRO TAVI system in highly calcified anatomy  
*Jaerg Kempfert, Berlin - Germany*
9. Valve-Sparing Root Replacement Following Previous Procedure  
*Edward Chen, Atlanta - USA*

**SCIENTIFIC  
PROGRAMME  
AFTERNOON**

**14.00-19.00**

**AORTIC DISSECTION**

**Chairmen:** *J. Bavaria, L. Girardi*

**Total Aortic Repair for Acute type A Dissection: A New Paradigm**

*G. Matalanis*

**GREAT DEBATE:**

**FET in the Type A acute dissection**

*Chairman: M. Bashir*

- **PRO:** *M. Shrestha*
- **CON:** *W. Morshuis*

**The Frozen Elephant Trunk procedure for the treatment of acute aortic dissection type B**

*M. Grabenwoger*

**Contemporary treatment of type B aortic dissections**

*M. Schepens*

**The Evolution of FET: From Zone 2 to Zone 0 Anastomosis with E-vita Open Neo**

*H. Jakob*

**Aortic Surgery in Pregnancy**

*S. Lansman*

**Surgery in aortoarteritis - an Indian experience**

*V. Bashi*

**16.30-16.50**

Coffee Break

**LIVE SURGERY DEMONSTRATION**

*From the Operating Room of the S. Orsola Hospital*

**19.00** Closing remarks  
*R. Di Bartolomeo*

**20.30 Course Dinner**  
**Palazzo Albergati**

- 10. Acute Type A Aortic Dissection: how to do it, Penza arch technology**  
*Evgeny Rosseikin, Penza - Russia*
- 11. FET with E-vita Open Plus in Acute Type A aortic dissection**  
*Luis C. Maroto, Madrid - Spain*
- 12. Yet another operation for acute type A aortic dissection**  
*Eugenio Neri, Siena - Italy*
- 13. Aortic Arch Hybrid Repair: Stent Bridging of the Supraaortic Vessel Anastomoses (SAVSTEB)**  
*Maximilian Pichlmaier, Munich - Germany*
- 14. Fate of uncovered stents in complicated acute Type I aortic dissection**  
*Konstantinos Tsagakis, Essen - Germany*
- 15. Frozen Elephant Trunk in a patient with functioning LIMA-radial Y graft and management of pseudoaneurysm of the ascending aorta following the procedure**  
*Velayudhan Bashi, Chennai - India*
- 16. Concomitant debranch first technique and E-VITA open**  
*Alessandro Castiglioni, Milan - Italy*
- 17. Ministernotomy total arch replacement and Frozen Elephant Trunk**  
*Mohamed Elsaegh, Liverpool - UK*
- 18. Total Aortic Arch, Aortic Root and Mitral Valve Replacement for Infective Endocarditis and Aortic Graft Infection after Frozen Elephant Trunk (FET)**  
*Andreas Martens, Hannover - Germany*

**SCIENTIFIC  
PROGRAMME  
MORNING**

**08.15-13.00**

**AORTIC ARCH**

**Chairmen:** *J. Bavaria, J. Coselli*

**Inspiris Resilia: a new class of resilient heart valves enabled by RESILIA tissue**

*A. Campbell*

**Re-operations on the aortic arch**

*A. Pochettino*

**Thoracic Scallops for extending the proximal landing zone**

*R. Heijmen*

**The Endovascular Repair of the Aortic Arch**

*M. Czerny*

**10.30-10.50**

**Coffee Break**

**LIVE SURGERY DEMONSTRATION**

From the Operating Room of the S. Orsola Hospital

**13.00** Lunch

**19. Japanese Experience of Frozen Elephant Trunk through a Minimally Invasive Approach**

*Hitoshi Ogino, Tokio - Japan*

**20. The Frozen Elephant Trunk Technique for Treatment of Thoracic Aortic Aneurysm with Japanese-made Open Stent Graft: FROZENIX**

*Yutaka Okita, Kobe - Japan*

**21. The Reoperative Arch Replacement**

*David Spielvogel, New York - USA*

**22. Total Aortic Replacement in an Adolescent Case**

*Kenji Minatoya, Kyoto - Japan*

**23. The cook Frozen Elephant Trunk graft: a simple, versatile and reliable concept**

*François Dagenais, Québec - Canada*

**24. Hybrid Treatment of Kommerell Diverticulum type I with Aortic Arch Aneurysm**

*Igor Vendramin, Udine - Italy*

**25. Staged hybrid repair for aortic arch disease using Gelweave ET graft**

*Hideyuki Shimizu, Tokyo - Japan*

**26. Conventional total arch replacement in Kawasaki Aortic Center**

*Takuya Fujikawa, Hong Kong - Hong Kong*

**27. Fenestrated design for the endovascular treatment of a huge PAU with aortic arch involvement**

*Luigi Lovato, Bologna - Italy*

**28. Branch First Arch Replacement and Frozen Elephant Trunk**

*George Matalanis, Melbourne - Australia*

**SCIENTIFIC  
PROGRAMME  
AFTERNOON**

14.00-17.00

**DESCENDING AND THORACO -  
ABDOMINAL AORTA**

**Chairmen:** *J. Bavaria, S. Lansman*

**Update on the TBE (Gore) Branched  
Arch Graft. A complete trial result**

*J. Bavaria*

**Endovascular repair  
of the ascending aorta**

*E. Roselli*

**Update on Delayed Paraplegia**

*A. Estrera*

**Thoracoabdominal aortic aneurysm  
open repair: updates on multimodal  
approach**

*R. Chiesa*

**LIVE SURGERY DEMONSTRATION**

From the Operating Room of the S. Orsola Hospital

**17.00** Closing remarks

*R. Di Bartolomeo*

29. Pericardial patch graft  
for extensive aortic reconstruction  
in aorto- esophageal fistula  
*Ehsan Natour, Maastricht - The Netherlands*
30. The new GoreTag conformable thoracic  
stent graft with active control system:  
our first experience  
*Vincenzo Russo, Bologna - Italy*
31. Endovascular Treatment  
of Thoraco-Abdominal Aortic  
Aneurysm after previous surgical  
Abdominal Aortic Repair  
*Mauro Gargiulo, Bologna - Italy*
32. Endovascular repair of ascending  
aorta pseudoaneurysm  
*Luca Di Marco, Bologna - Italy*
33. Stent removal and debranching  
*Francesco Formica, Monza - Italy*
34. Surgery for coral reef obstruction  
of the descending aorta  
*Rune Haaverstad, Bergen - Norway*
35. Aorto-esophageal fistula  
*Worawong Slisatkorn, Bangkok - Thailand*
36. Open arch repair of subocclusive  
endograft bird-beak  
*Carlo De Vincentiis, Milan - Italy*
37. Open Repair of Thoracoabdominal Aortic  
Aneurysm: When Stent Grafts Fail  
*Prity Gupta, London - UK*

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. **Root replacement with "French cuff" technique after arch repair with zone 1 distal anastomosis: a challenging patient**  
*Mariano Cefarelli, Ancona - Italy*
2. **Open descending thoracic aortic replacement after a failed branched EVAR for thoracoabdominal aorta**  
*Takuya Fujikawa, Hong Kong - Hong Kong*
3. **Open surgery for Crawford extent 2 thoracoabdominal aortic aneurysm**  
*Takuya Fujikawa, Hong Kong - Hong Kong*
4. **Beating Heart Bio-Bentall procedures in complex pathology**  
*Ehsan Natour, Maastricht - The Netherlands*
5. **Our congratulations to Valsalva Graft 15**  
*Evgeny Rosseikin, Penza - Russia*
6. **Complex arch aneurysm with occlusion of the left common carotid artery and shaggy aorta**  
*Evgeny Rosseikin, Penza - Russia*
7. **Bioconduit**  
*Francesco Formica, Monza - Italy*
8. **Aortic valve sparing and mitral valve repair in Marfan Syndrome**  
*Luis C. Maroto, Madrid - Spain*
9. **New Valve INSPIRIS implant and features"**  
*Giuseppe Faggian, Verona - Italy*
10. **Hybrid procedure in a patient with RSOV, severe AR and type B aortic dissection**  
*Velayudhan Bashi, Chennai - India*
11. **Cannulation technique for left heart Bypass**  
*Mohamed Elsaegh, Liverpool - UK*
12. **Frozen elephant trunk for type A dissection**  
*Mohamed Elsaegh, Liverpool - UK*
13. **Intercostal artery anastomosis during thoracoabdominal aortic repair**  
*Mohamed Elsaegh, Liverpool - UK*
14. **Motor evoked potential and spinal drain insertion**  
*Mohamed Elsaegh, Liverpool - UK*
15. **Aortic root replacement for pseudoaneurysm of the aortic root**  
*Mohamed Elsaegh, Liverpool - UK*
16. **Thoraco-abdominal aortic repair bottom up technique**  
*Mohamed Elsaegh, Liverpool - UK*
17. **Repair of a 10 cm ascending pseudo aneurysm following previous root replacement and unsuccessful ascending TEVAR**  
*Edward Chen, Atlanta - USA*

The following videos are made by: **The Cardiac Surgery Department, University of Bologna, S. Orsola Hospital Bologna, 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 bplex conduit
16. Apico aortic conduit
17. Bentall procedure with Sorin mitroflow valsalva conduit
18. Transcatheter mitral valve implantation and AVR in open heart surgery: off-label techniques

### AORTIC ARCH

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

### FROZEN ELEPHANT TRUNK

27. FET with E-VITA using the Gore hybrid prosthesis for separate epiaortic arch vessels reimplantation
28. Thoraflex implantation + Bentall procedure (redo) for chronic type A aortic dissection in a Marfan patient
29. E-VITA + Bentall procedure (redo) for a chronic type A aortic dissection after arch endografting for decoartation
30. Prosthetic aortic valve sparing reoperation (RDB technique) after FET with E-VITA prosthesis
31. FET with Thoraflex prosthesis
32. FET with Thoraflex prosthesis after previous Bentall procedure
33. FET with E-VITA prosthesis
34. FET, aortic root and mitral valve replacement in chronic type A aortic dissection after previous ascending aorta replacement
35. FET in lusoria subclavian artery

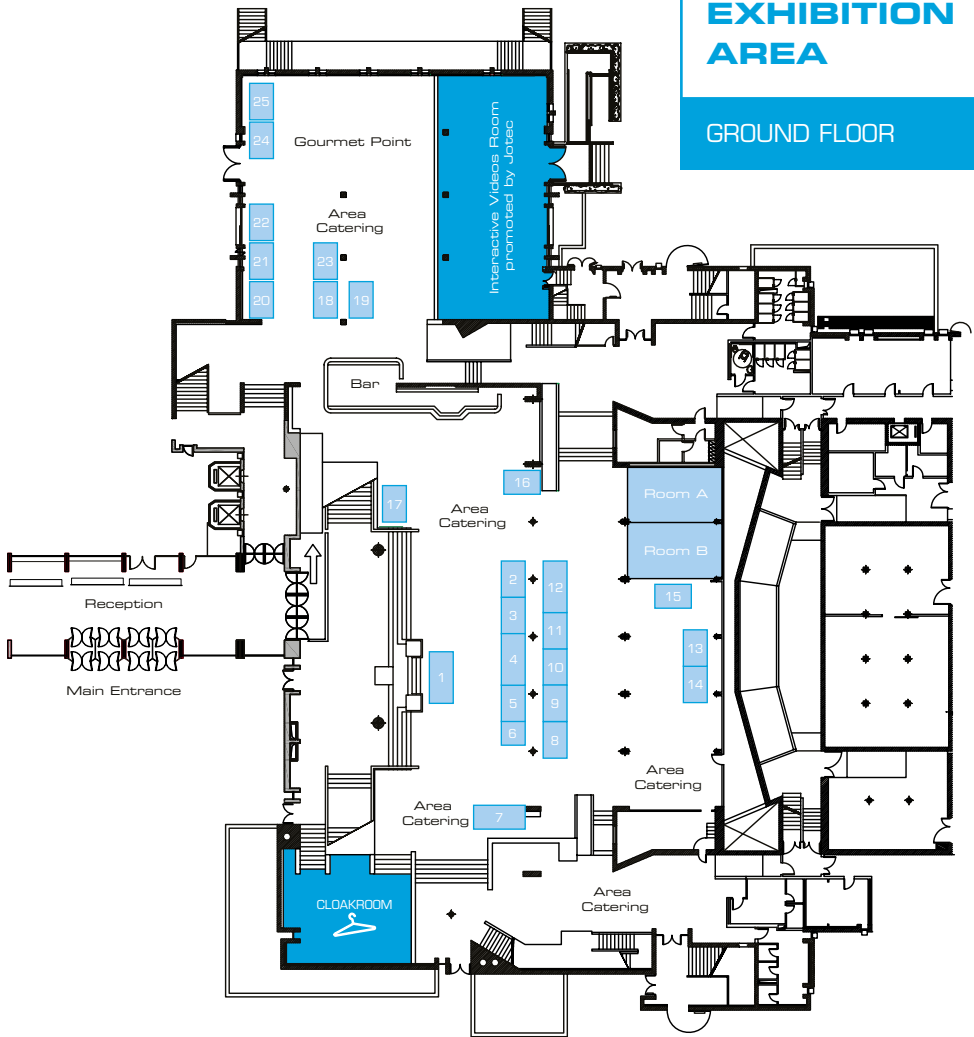
### THORACOABDOMINAL AORTA

36. Hybrid 2-stage TAAA repair in Loyes-Dietz syndrome
37. Open TAAA type I repair in Takayasu syndrome
38. TAAA repair in Marfan patient with previous David operation, FET and TEVAR
39. Open repair of TAAA after previous aortic surgery (TAA+FET)
40. Open repair of TAAA using Vascutek Coselli prosthesis
41. Hybrid 2-stage approach for TAAA repair
42. TAA replacement of a large aortic aneurysm as complication of coartation
43. Extra anatomic debranching: left subclavian artery to celiac trunk
44. Abdominal vessels debranching



# EXHIBITION AREA

## GROUND FLOOR



### EXHIBITORS

VASCUTEK LTD	1
ARTECH	2
JOHNSON & JOHNSON MEDICAL	3
EDWARDS	4
BOLTON MEDICAL	5
LEVI BIOTECH	6
LIVANOVA	7
ABBOTT	8
SCANLAN INTERNATIONAL	9
INNOVA HTS	10
GADA ITALIA - TERUMO ITALIA - SYMETIS	11
JOTEC	12
MEDICAL INSTRUMENTS	13
3-D MATRIX MEDICAL TECHNOLOGY	14
BAXTER	15

### BOOTH/DESK

### EXHIBITORS

MEDTRONIC ITALIA	16 + ROOM A
W.L. GORE	17 + ROOM B
MAQUET GETINGE GROUP	18
APTIVA MEDICAL	19
DELACROIX - CHEVALIER	20
UNIVET	21
NORMDITEC	22
POLLUTION	23
VYGON ITALIA - ANTON-MED	24
ASSOCIAZIONE MARFAN	25

### BOOTH/DESK

### GOURMET POINT

UMBERTO CESARI
NONNA FARINA

# 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, 13<sup>th</sup> November**  
7.30 • 19.00

**Tuesday, 14<sup>th</sup> November**  
8.00 • 17.00

## ■ ENTRANCE BADGE

Participants must wear the identification badge collected at the Secretariat Desk upon registration during all conference sessions and events. If you lose your badge, please contact the New Registration Desk.

### Badge

- **Blue:** Participant
- **Grey:** Faculty
- **Green:** Exhibitor
- **Red:** Accompanying Persons

## ■ 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 available on request at the end of the Course.

## ■ EXHIBITION

A technical exhibition will take place throughout the Course. For information, please contact the Organizing Secretariat: [info@noemacongressi.it](mailto:info@noemacongressi.it)

## ■ SLIDE CENTRE

All speakers are kindly invited to deliver their presentations to the Slide Centre at least one hour before their presentation. The Slide Centre is located at the First Floor.

## ■ 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>	€ 676,00
<b>SICCH Members*</b>	€ 507,00
<b>Trainees</b>	€ 126,00

**Accompanying Persons** € 187,00

\* 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 13<sup>th</sup> and 14<sup>th</sup> November, Course Dinner on 13<sup>th</sup> 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 13<sup>th</sup> and 14<sup>th</sup> November.

**The registration fee for Accompanying persons includes:** Course Dinner on 13<sup>th</sup> November, a guided tour on 14<sup>th</sup> November.

## GENERAL INFORMATION

### ■ SOCIAL PROGRAMME

Monday, 13<sup>th</sup> November

#### COURSE DINNER

Palazzo Albergati  
Via Masini, 46 - 40069 Zola Predosa  
(Bologna)

The dinner will be held at Palazzo Albergati, a sumptuous and magnificent country dwelling named after the Bolognese family. It is one of the most important and original architectural works of the entire Emilian 17th century. The building is surprisingly impressive due to its remarkable size and to the unusual contrast between the austerity of its exterior and the unexpected baroque space effect of its interior. The interior is decorated and enhanced by a prestigious series of frescos, typical of the 17th and 18th century Emilian school. During the 18th century, it was a very lively cultural centre of social life, which hosted popes, kings, princes, musicians, men of letters, scientists as well as famous adventurers.

*A round trip shuttle service for Palazzo Albergati will be available at 19.45 from all the hotels booked through the Organizing Secretariat.*



Tuesday, 14<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.

### ■ USEFUL NUMBERS

Taxi: +39 051 372727  
+39 051 5490

Flight Information: +39 051 6479615

Railway information: +39 89 20 21

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VYGON

### ORGANIZING SECRETARIAT

**NOEMA**

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