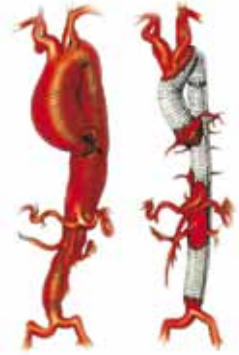




Final Programme

Surgery of The Thoracic Aorta

EIGHTH POSTGRADUATE
COURSE



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

9th - 10th NOVEMBER 2015

BOLOGNA - ITALY



Course Director
Roberto Di Bartolomeo



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

Endorsed by The Society
of Thoracic Surgeons



FACULTY

COURSE DIRECTOR:

ROBERTO DI BARTOLOMEO
S. Orsola Hospital
University of Bologna – Italy

INTERNATIONAL FACULTY

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MOHAMAD BASHIR

Liverpool Heart & Chest Hospital, Liverpool - UK

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IRCCS Ospedale San Raffaele, Milan - Italy

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

RUGGERO DE PAULIS

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MARCO DI EUSANIO

G. Mazzini Hospital, Teramo - Italy

DANIEL SEBASTIAN DOHLE

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

GEBRINE EL KHOURY

St-Luc Hospital, Bruxelles – Belgium

JOHN A. ELEFTERIADES

Aortic Institute at Yale, New Haven CT - USA

CHRISTIAN ETZ

Herzzentrum Leipzig - Germany

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TRISTAN D. YAN

Macquarie University, Sydney - Australia

LOCAL FACULTY

CARDIAC SURGEONS

ANAESTHESIOLOGISTS

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



9th - 10th NOVEMBER 2015



Surgery of The Thoracic Aorta

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

EIGHTH POSTGRADUATE COURSE

UNDER THE AUSPICES OF

Italian Society
for Cardiac Surgery, SICCH

Italian College
of Cardiac Surgeons

The Society
of Thoracic Surgeons

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

Azienda Ospedaliero-Universitaria di Bologna
Policlinico S. Orsola



SCIENTIFIC
PROGRAMME
MORNING

07.30 Participants' registration

08.15 Welcome addresses

Chairmen: *C. Antona, Milan*
F. Musumeci, Rome

Unaware, Ill-informed, and Under-diagnoses

A pan-European survey of heart valve disease awareness among 8,860 over-60s
R. Di Bartolomeo, Bologna

08.30 STATE OF THE ART AND NEW
13.00 TRENDS IN AORTIC VALVE SURGERY

■ **Repair**

G. El Khoury, Bruxelles

■ **Conventional Replacement**

C. Savini, Bologna

■ **Sutureless**

M. Di Eusanio, Teramo

■ **TAVR**

F. Mohr, Leipzig

10.30 Coffee Break

10.50

LIVE SURGERY DEMONSTRATION

From the Operating Room of S. Orsola Hospital

13.00 Lunch

14.00

- Intermediate-Term Efficacy of Geometric Ring Annuloplasty during Tre-Leaflet Aortic Valve Repair**
Rankin Scott, Munich – Germany
- Fragile annulus requires special attention**
Ricardo Dias, San Paulo – Brazil
- Commissural reconstruction, free edge reinforcement and subcommissural annuloplasty in tricuspid aortic valve repair**
Emiliano Navarra, Bruxelles – Belgium
- Repair of a dilated aortic autograft using geometric ring annuloplasty and Root Restoration**
Domenico Mazzitelli, Munich – Germany
- Commissural reconstruction and external annuloplasty in bicuspid aortic valve repair**
Emiliano Navarra, Bruxelles – Belgium
- Bicuspid Aortic Valves: different repair approaches based on different root diameters**
Carlo Antona, Milan – Italy
- Pericardial repair for Bicuspid Aortic Valve Endocarditis**
Domenico Mazzitelli, Munich – Germany
- Aortic root graft for creation of pseudo-sinuses in aortic root repair using patch technique**
Petros Bougioukakis, Bad Neustadt – Germany
- Early Efficacy of Geometric Ring Annuloplasty during Bicuspid Aortic Valve Repair**
Scott Rankin, Munich – Germany
- 3D intra-cardiac assessment of the Aortic Valve and Ascending Aorta, a new training model**
Ehsan Natour, Groningen – The Netherlands
- Aortic valve repair with three-leaflet and bicuspid ring annuloplasty during aortic/root aneurysm resection: Root Restoration**
Domenico Mazzitelli, Munich – Germany
- Standard Aortic Perceval Implant**
Aniello Pappalardo, Trieste – Italy
- Transcatheter mitral valve implantation and AVR in open heart surgery: off-label techniques**
Carlo Savini, Bologna – Italy
- Trans apical implantation of a JenaValve in a patient with low coronary ostia**
Martin Grabenwöger, Vienna – Austria
- AVR with Sorin Perceval in BAV and Replacement of Ascending Aorta through a Upper Mini-sternotomy**
Matteo Ferrarini, Milan – Italy
- Aortic valve sparing operation: reimplantation (David I), upper partial sternotomy**
Mauro del Giglio, Ravenna – Italy
- Transaortic Lotus implantation**
Sabine Bleiziffer, Munich – Germany

**SCIENTIFIC
PROGRAMME
AFTERNOON**

14.00 AORTIC DISSECTION

19.00 Chairmen: *J. Coselli, Houston TX*
S. Lansman, Valballa NY

■ **Type B Acute Dissection today:**

- **Fet Procedure**
M. Grabenwoger, Vienna
- **TEVAR**
L. Lovato, Bologna

■ **The Treatment of Malperfusion in Acute Aortic Dissection**

J. Bavaria, Philadelphia

■ **Up to 10 years experience with the E-vita open and new developments at the horizon**

J. Heinz, Essen

■ **Latest News from Australasia**

V. Bashi, Chennai - M. Kato, Osaka
G. Matalanis, Melbourne - Y. Okita, Kobe
N. Uchida, Hiroshima

- **Arch Hybrid- Extended Indications: An Indian Experience**
V. Bashi, Chennai
- **Frozen Elephant Trunk from past to present**
M. Kato, Osaka
- **Branch First Arch Repair with Complex Anatomy**
G. Matalanis, Melbourne
- **Replacement of the aortic arch to descending aorta through the right thoracotomy in a patient with Kommerell's diverticulum complicated with acute type B aortic dissection**
Y. Okita, Kobe
- **Extended total arch replacement using frozen elephant trunk for acute type A aortic dissection with malperfusion**
N. Uchida, Hiroshima

16.30 Coffee Break

16.50

LIVE SURGERY DEMONSTRATION

From the Operating Room of S. Orsola Hospital

19.00 Closing remarks

R. Di Bartolomeo, Bologna

20.30 Conference Dinner - Palazzo Albergati

- 18. Bentall de bono composite graft in a Marfan patient with severe pectus excavatum**
Giuseppe Maria Raffa, Palermo - Italy
- 19. Aortic valve repair and root remodeling with an expandable ring**
Gianluigi Bisleri, Brescia - Italy
- 20. Sub-acute Type B dissection. Early treatment with total arch debranching and endovascular prosthesis**
Giuseppe Petrilli, Verona - Italy
- 21. Aortic valve sparing in Type A acute aortic dissection**
Emiliano Navarra, Bruxelles - Belgium
- 22. Ascending aortic cannulation in acute type I aortic dissection "Direct true lumen technique"**
Dainius K. Rimantas Benetis, Kaunas - Lithuania
- 23. First in human repair of the type an aortic dissection with left subclavian branched TEVAR**
Joseph E. Bavaria, Philadelphia - USA
- 24. Prevention Aortic Rupture Screening Italian Study (PARSIS): Results in the first 5600 cases**
Marco Diena, Novara - Italy
- 25. Case Report: Aortic Dissection diagnosed with modified TEE with A-View®**
Arno Nierich, Zwolle - The Netherlands
- 26. Mini-Bentall Procedure - "French Cuff" Technique**
Tristan Yan, Sidney - Australia
- 27. Mini Bentall surgery with Mitroflow Valsalva conduit**
Paolo Beretta, Teramo - Italy
- 28. Type A aortic dissection in a 11 month old Loey's Dietz child**
Guido Oppido, Naples - Italy
- 29. Life Thru the Glass- Use of Google Glass during Replacement of Aortic Valve**
Mauro Rinaldi, Turin - Italy
- 30. Totally Endoscopic Aortic Valve Replacement (TEAVR): work in progress**
Marco Vola, St. Etienne - France
- 31. Smart App in Cardiac Surgery: your pocket prompter: AORTA TEVAR INDICATOR, a new tool to plan the right treatment for thoracic aortic pathology**
Paolo Magagna, Vicenza - Italy
- 32. New technique in type I aortic dissection for arch stabilization and future landing zone creation without arch replacement: the Salerno canoe technique**
Antonio Panza, Salerno - Italy



SCIENTIFIC
PROGRAMME
MORNING

08.15 SURGERY OF THE AORTIC ARCH

13.00 Chairmen: *J. Bavaria, Philadelphia*
L. Girardi, New York

- **Aortic Arch Repair: the Hannover experience**
M. Shrestha, Hannover
- **Re-Operations in Thoracic Aortic Arch**
A. Pochettino, Rochester
- **The Classical Elephant TRUNK Procedure: still a valuable option**
W. Morshuis, Nieuwegein
- **Aortic Arch Replacement – One for All**
S. Lansman, Valhalla NY
- **Endovascular and Hybrid Repair of the Aortic Arch**
P. Cao, Rome

10.30 Coffee Break
10.50

LIVE SURGERY DEMONSTRATION

From the Operating Room of S. Orsola Hospital

13.00 Lunch
14.00

1. **The Arch Projects - An Overview**
Tristan Yan, Sidney – Australia
2. **Selective whole body perfusion during open arch repair**
Daniel Sebastian Dohle, Essen – Germany
3. **Carotid-jugular cannulation and modified biological Bentall procedure in huge aortic aneurysm**
Aristidis Lenos, Bad Neustadt – Germany
4. **TOTAL, PERSONAL brain perfusion for aortic arch replacement**
Evgemiy Rosseikin, Penza – Russia
5. **Complex Aortic Repair**
Joseph S. Coselli, Houston TX – USA
6. **Frozen Elephant Trunk with Evita Plus and Total Arch Replacement with TBP + ACP through Upper Mini-sternotomy**
Antonio Miceli, Milan – Italy
7. **Angioscopy from aortic valve to descending aorta**
Daniel Sebastian Dohle, Essen – Germany
8. **Frozen Elephant Trunk with Jotec E-Vita Open Plus in ministernotomy with mild hypothermia and whole body perfusion**
Giampiero Esposito, Bergamo – Italy
9. **Rare Tuberculous Multiple Aneurysms Involving the Distal Arch upto Aortic Bifurcation in a 22-year-old: Single Stage Surgical Correction**
Velayudhan Bashi, Chennai – India
10. **Aortic root and aortic arch replacement with pericardial tube grafts in a patient with infected and ruptured ascending aortic dissection**
Andreas Martens, Hannover – Germany
11. **Re-do Replacement of the ascending aorta, aortic arch and the left common carotid artery with homograft in a patient with infected Dacron graft**
Erik Beckmann, Hannover – Germany
12. **Aortic Arch Repair in “Complicated” Type B Aortic Dissection using Maquet Hemashield Angled Four Branched Graft with ministernotomic approach**
Giampiero Esposito, Bergamo – Italy

SCIENTIFIC
PROGRAMME
AFTERNOON

14.00 SURGERY OF THE
17.00 THORACO-ABDOMINAL AORTA

Chairmen: *R. De Paulis, Rome*
J. Bavaria, Philadelphia

■ GREAT DEBATE

The Treatment of Thoraco-Abdominal
Aortic Aneurysm: Open Surgery,
Endovascular or Hybrid Repair

Chairmen: *M. Bashir, Liverpool*
J. Elefteriades, New Haven CT

A. Azizzadeh, Houston TX

J. Bavaria, Philadelphia

R. Chiesa, Milan

J. Coselli, Houston TX

C. Etz, Leipzig

L. Girardi, New York

L. Lovato, Bologna

W. Morshuis, Nieuwegein

A. Oo, Liverpool

D. Pacini, Bologna

M. Schepens, Brugge

A. Stella, Bologna

*The Great Debate will be published in
the journal Aorta
(www.aorta.scienceinternational.org)*

LIVE SURGERY DEMONSTRATION

From the Operating Room of the S. Orsola Hospital

17.00 Closing remarks

R. Di Bartolomeo, Bologna

1. **Open repair of adult CoA**
Robin Heijmen, Cothen – The Netherlands
2. **Novel treatment options for post-coartectomy aneurysms**
Carlo de Vincentis, San Donato Milanese – Italy
3. **Open repair of thoracoabdominal aortic aneurysm after previous aortic surgery**
Marc Schepens, Brugge – Belgium
4. **Hybrid 2-stage approach for TAAA repair**
Davide Pacini, Bologna – Italy
5. **Extent II Thoracoabdominal Aortic Aneurysm Repair**
Joseph S. Coselli, Houston, TX – USA
6. **Reoperative open TAAA repair in a patient with Marfan syndrome**
Leonard Girardi, New York – USA
7. **Suturless visceral arteries hybrid revascularization during TAAA open repair**
Roberto Chiesa, Milan – Italy
8. **Hybrid Treatment of Thoraco-Abdominal Aortic Aneurysm: Minimvasive Thoracic Approach for Extra-Anatomical Splanchnic Revascularization**
Igor Vendramin, Udine – Italy
9. **Large Aneurysm of the Left Main Coronary Artery, Giant LEFT Subclavian Artery Aneurysm with Calcified Thoraco-abdominal Aneurysm in a 35-year-old: Two Staged Hybrid Surgery**
Velayudhan Bashi, Chennai – India
10. **Frozen Elephant Trunk using Siena Collared Graft: how we do it**
Eugenio Neri, Siena – Italy
11. **Total endovascular arch repair with custom-made branched stentgraft**
Ciro Ferrer, Rome – Italy
12. **TEVAR of a huge pseudoaneurysm as late complication after Aortic Coarctation repair**
Luigi Lovato, Bologna – Italy
13. **Mechanical Interaction of Surgical Sealants on Aortic Suture Line Anastomoses: An In Vitro Investigation**
Davide Pacini, Bologna – Italy

The **3 best Video** presentations will be published on **CTSNet Aortic Portal** Edited by Dr Mohamad Bashir

INTERACTIVE VIDEO ROOM

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

- 1. Minimally invasive aortic valve replacement: right minithoracotomy**
Mauro Del Giglio, Ravenna - Italy
- 2. Complete Aortic Valve Leaflet Replacement in the Pediatric Population using Tissue-Engineered Bovine Pericardium**
Domenico Mazzitelli, Munich - Germany
- 3. Updated strategy for organ protection during TAAA open repair**
Roberto Chiesa, Milan - Italy
- 4. Translational approach to root hemodynamics and coronary flow in different aortic valve sparing configurations**
Andrea Mangini, Milan - Italy
- 5. Bentall-De Bonon operation, upper partial sternotomy**
Mauro Del Giglio, Ravenna - Italy
- 6. A nightmare in the theater: a case with infected multiple stent-grafts**
Yutaka Okita, Kobe - Japan
- 7. Valve sparing aortic root replacement in a patient who had arterial switch operation for transposition of the great arteries**
Yutaka Okita, Kobe - Japan
- 8. HTK cardioplegia - "Tricks" and Pitfalls**
Claus J Preusse, Bonn - Germany
- 9. Frozen Elephant Trunk Repair for Thoracic Aortic Aneurysm - Arch Light Technique**
Gabriel Weiss, Vienna - Germany

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. Bentall procedure in previous Ross operation
2. Pseudoaneurysm of the left coronary button in previous Bentall procedure
3. Pseudoaneurysm of the right coronary button and tricuspid valve regurgitation in previous Bentall procedure
4. Bentall procedure for aortic root dilatation and severe aortic valve regurgitation after ascending aorta and hemiarch replacement for type A aortic dissection
5. Pseudoaneurysm in previous aortic valve replacement
6. David procedure
7. Reoperation in Bentall endocarditis
8. Prosthetic aortic valve sparing operation
9. Shelligh conduit implant for endocarditis in previous Bentall operation

10. Supra aortic stenosis in previous ascending aorta replacement
11. Bentall procedure in previous ascending aorta replacement
12. Bentall procedure with Biovalsava conduit in aortic root endocarditis
13. Iatrogenic Type A aortic dissection after arch cannulation
14. Bentall procedure with Biovalsavabiplex conduit
15. Apico aortic conduit
16. Bentall procedure with Sorinmitroflowvalsava conduit
17. Transcatheter mitral valve implantation and AVR in open heart surgery: off-label techniques

AORTIC ARCH

18. Ascending aorta, hemiarch and aortic valve replacement in patient with porcelain aorta
19. Ascending aorta and arch replacement for aortic arch aneurysm and type I endoleak post thoracic endoprosthesis
20. Aortic arch replacement for pseudoaneurysm in previous Bentall operation
21. Bentall procedure and aortic arch replacement in previous ascending aorta replacement
22. Ascending aorta and hemiarch replacement in type A aortic dissection
23. Complete aortic arch replacement
24. Aortic arch replacement in type I endoleak post thoracic endoprosthesis

FROZEN ELEPHANT TRUNK

25. Prosthetic aortic valve sparing reoperation (RDB technique) after FET with E-VITA prosthesis
26. FET with Thoraflex prosthesis
27. FET with Thoraflexprosthesis after previous Bentall procedure
28. FET with E-VITA prosthesis
29. FET, aortic root and mitral valve replacement in chronic type A aortic dissection after previous ascending aorta replacement
30. FET in lusoria subclavian artery

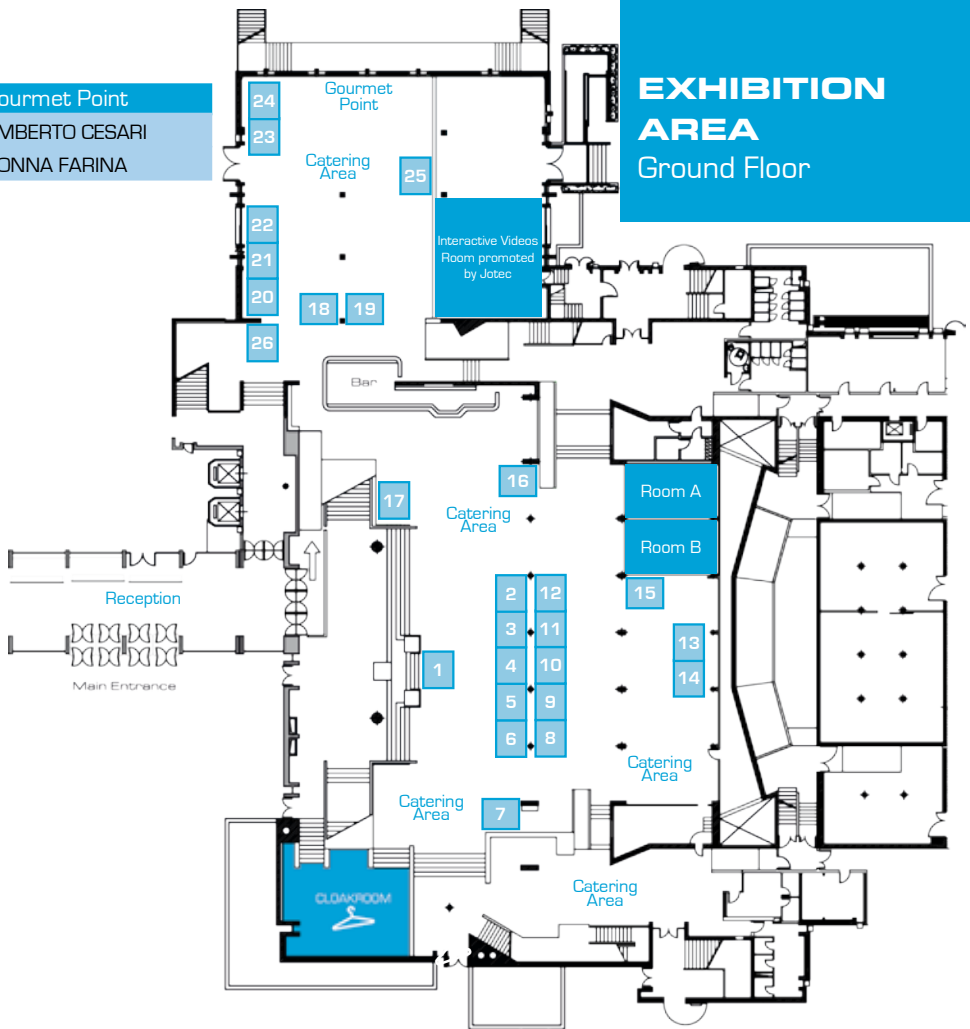
THORACOABDOMINAL AORTA

31. TAAA repair in Marfan patient with previous David operation, FET and TEVAR
32. Open repair of TAAA after previous aortic surgery (TAA+FET)
33. Open repair of TAAA using VascutekCoselli prosthesis
34. Hybrid 2-stage approach for TAAA repair
35. TAA replacement of a large aortic aneurysm as complication of coartation
36. Extra anatomic debranching: left subclavian artery to celiac trunk
37. Abdominal vessels debranching

EXHIBITION AREA

Ground Floor

Gourmet Point
 UMBERTO CESARI
 NONNA FARINA



Booth	Exhibitor
1	VASCUTEK, A TERUMO COMPANY
2	ARTECH
3	SEROM
4	EDWARDS
5	ST. JUDE MEDICAL
6	LEVI BIOTECH
7	SORIN GROUP - LIVA NOVA
8	SCANLAN INTERNATIONAL
9	CROSSMED - KAWASUMY LABORATORIES
10	BAXTER
11	JOHNSON & JOHNSON MEDICAL
12	JOTEC
13	UNIVET

Booth	Exhibitor
14	GADA ITALIA
15+	ROOM B COVIDIEN
16+	ROOM A MEDTRONIC ITALIA
17	MEDICAL INSTRUMENTS
18	APTIVA MEDICAL
19	LIFELINE CO
20	MAQUETGETINGE GROUP
21	PHILIPS
22	EUROSETS MEDICAL DEVICES - POLLUTION
23	3-D MATRIX MEDICAL TECHNOLOGY
24	VYGON ITALIA - ANTON-MED
25	GORE
26	ASSOCIAZIONE MARFAN

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, 9th November 7.30 - 19.00

Tuesday, 10th November 8.00 - 17.00

ENTRANCE BADGE

Participants must wear the identification badge received 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 People

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

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 on 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)

Surgeons	€ 676,00
SICCH and STS Members*	€ 507,00
Trainees	€ 126,00
Accompanying People	€ 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 9th and 10th November, Conference Dinner on 9th 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 9th and 10th November.

The registration fee for Accompanying People includes:

Conference Dinner on 9th November, a guided tour on 10th November.



SOCIAL PROGRAMME

Monday, 9th November CONFERENCE 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, 10th 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 Organiz

ing Secretariat and also to and from the Conference 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

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+39 051 534141

Flight Information: +39 051 6479615

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