Final Programme

Surgery of The Thoracic Aorta

TENTH POSTGRADUATE COURSE

11th - 12th NOVEMBER 2019
BOLOGNA - ITALY

Course Directors
Roberto Di Bartolomeo
Davide Pacini

Cardiac Surgery Department
University of Bologna
S. Orsola Hospital
Bologna, Italy
## 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
- **CAROLINE WINTER**
  S. Orsola Hospital
- **FABIO BULI**
  University of Bologna

### International Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>CARLO ANTONA</td>
<td>Luigi Sacco Hospital, Milan - Italy</td>
</tr>
<tr>
<td>MOHAMAD BASHER</td>
<td>Royal Blackburn Teaching Hospital, Liverpool - UK</td>
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<tr>
<td>JOSEPH E. BAVARIA</td>
<td>Hospital of the University of Pennsylvania, Philadelphia - USA</td>
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<tr>
<td>JAROSLAV BENEK</td>
<td>Helios Klinikum Krefeld, Krefeld - Germany</td>
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<tr>
<td>MAURO CASSISE</td>
<td>IRCCS Casa Sollievo della Sofferenza, San Giovanni Rotondo - Italy</td>
</tr>
<tr>
<td>EDWARD P. CHEN</td>
<td>Emory University, Division of Cardiothoracic Surgery, Atlanta - USA</td>
</tr>
<tr>
<td>ROBERTO CHIESA</td>
<td>IRCCS Ospedale San Raffaele, Milan - Italy</td>
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<tr>
<td>JOSEPH S. COSELLI</td>
<td>Texas Heart Institute - Baylor College of Medicine, Houston - USA</td>
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<tr>
<td>MARTIN CZERNY</td>
<td>University Heart Center Freiburg- Bad Krozingen, Freiburg - Germany</td>
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<tr>
<td>RUGGERO DE PAULIS</td>
<td>European Hospital, Rome - Italy</td>
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<tr>
<td>MARCO DE EUSANIO</td>
<td>AOU Ospedali Riuniti &quot;Umberto I&quot; - Lancisi - Salesi, Ancona - Italy</td>
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<tr>
<td>AUGUSTO D’ONOFRIO</td>
<td>U.O. Cardiochirurgia, Dipartimento di Scienze Cardiologiche, Toraciche e Vascolari, Università degli Studi di Padova, Padova - Italy</td>
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<tr>
<td>GEBRINE EL KOURY</td>
<td>StLuc Hospital, Brussel - Belgium</td>
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<tr>
<td>ANTHONY ESTRERA</td>
<td>University of Texas Houston Medical School, Houston - USA</td>
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<tr>
<td>GIUSEPPE FAGGIUSI</td>
<td>Dipartimento di Chirurgia Cardiotoracica, Università di Verona, Verona - Italy</td>
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<tr>
<td>MAURO GARGIULO</td>
<td>Chirurgia Vascolare Metropolitana di Bologna, Alma Mater Studiorum Università di Bologna, Bologna - Italy</td>
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<tr>
<td>LEONARD N GIRARDI</td>
<td>Well Cornell Medical College, New York - USA</td>
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<tr>
<td>MARTIN GRABENWÖGER</td>
<td>Hospital Heetzing, Vienna - Austria</td>
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<tr>
<td>ROBIN HEIJMEEN</td>
<td>St. Antonius Hospital, Cothen - The Netherlands</td>
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<tr>
<td>HEINZ JAKOB</td>
<td>University of Essen, West German Heart Center; Essen - Germany</td>
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<th>Name</th>
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<tr>
<td>TILO KÖLBEL</td>
<td>University of Hamburg, Hamburg - Germany</td>
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<tr>
<td>EMMANUEL LANSA</td>
<td>Institut Mutualiste Montsouris, Paris - France</td>
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<tr>
<td>STEVEN LANSMAN</td>
<td>Westchest Medical Center, Valhalla - USA</td>
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<tr>
<td>LUIS C. MAROTO</td>
<td>Hospital Clinico San Carlos, Madrid - Spain</td>
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<td>GEORGE MALATANIS</td>
<td>Austin Hospital, Melbourne - Australia</td>
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<td>BART MEURIS</td>
<td>U.Z. Gasthuisberg, Leuven - Belgium</td>
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<td>KENJI MINATOYA</td>
<td>Kyoto University Hospital, Osaka - Japan</td>
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<td>Herzrenntrum Leipzig, Leipzig - Germany</td>
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<td>St Bartholomew’s Hospital, London - UK</td>
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<td>Seoul National University Bundang Hospital, Seoul - South Korea</td>
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<tr>
<td>ALBERTO POCHETTINO</td>
<td>Mayo Clinic, Rochester - USA</td>
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<td>ERIC E. ROSSELLI</td>
<td>Cleveland Clinic heart and Vascular Institute, Cleveland - USA</td>
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<td>MARC SCHEPENS</td>
<td>AZ St. Jan, Bruges - Belgium</td>
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<td>NAOKI TOYA</td>
<td>The Jikei University Kashiwa Hospital, Chiba - Japan</td>
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<tr>
<td>KONSTANTINOS TSAGAKIS</td>
<td>University of Essen, West German Heart Center, Essen - Germany</td>
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<td>PAUL URBANSKI</td>
<td>Rhôn-Klinikum Campus Bad Neustadt, Bad Neustadt - Germany</td>
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<tr>
<td>BASHI V. VELAYUDHAN</td>
<td>SIMS Hospital - Vadapalani, Chennai - India</td>
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Surgery of The Thoracic Aorta

TENTH POSTGRADUATE COURSE

11th - 12th NOVEMBER 2019

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
Monday 11th November 2019

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
- Joseph Bavaria
- Edward Chen
- Ruggero De Paulis
- Gebrine El Khoury
- 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

INTERACTIVE SESSION VIDEO PRESENTATIONS:

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 Neocuspidealization 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
11th November 2019

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

INTERACTIVE SESSION VIDEO PRESENTATIONS:

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
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 prothesis: 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. Morsbuis

10.30-10.50
Coffee Break

LIVE SURGERY DEMONSTRATION
From the Operating Room of S. Orsola Hospital

13.00 Lunch
Tuesday
12th November 2019

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

INTERACTIVE SESSION
VIDEO PRESENTATIONS:

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 paravalvar leakage after Wheat’s operation
    Okita Yutaka, Kobe, Japan

11. The Branched Stented Anastamosis Frozen Elephant trunk Repair (B-SAFER) Technique for Acute Type A
    Roselli Eric E., Cleveland, USA

12. Single stage primary repair of giant aortoesophageal 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 Thrombus - 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 Biovalsalva conduit in aortic root endocarditis
14. Iatrogenic Type A aortic dissection after arch cannulation
15. Bentall procedure with Biovalsalva biplex 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
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

FROZEN ELEPHANT TRUNK

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

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. EVITA + Bentall procedure (redo) for a chronic type A aortic dissection after arch endografting for deacoartation
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 Vasçutek Coselli prosthesis
49. Hybrid 2-stage approach for TAAA repair
50. TAA replacement of a large aortic aneurysm as complication of coarctation
51. Extra anatomic debranching: left subclavian artery to celiak 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
**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, 11th November**
7.30 • 19.00
**Tuesday, 12th 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

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<thead>
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<tr>
<td>Surgeons</td>
<td>€780.00</td>
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<tr>
<td>SICCH Members*</td>
<td>€610.00</td>
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<tr>
<td>Trainees</td>
<td>€130.00</td>
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<tr>
<td>Accompanying Guests</td>
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*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 11th 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, 11th 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, 12th 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.