



UniSR  
Università Vita-Salute  
San Raffaele



I.R.C.C.S. Ospedale  
San Raffaele  
Gruppo San Donato



# AORTIC SURGERY

PERIPHERAL & VENOUS

# H T D I

HOW TO DO IT

# 2024

11<sup>th</sup> INTERNATIONAL CONGRESS

## SCIENTIFIC PROGRAM

*Chairmen*

*Roberto Chiesa, Germano Melissano*

*Ospedale San Raffaele, Milano*

*Università Vita-Salute San Raffaele, Milano*



MILANO - ITALY

DECEMBER 11<sup>th</sup> - 13<sup>th</sup>, 2024

### SATELLITE EVENTS



WEDNESDAY  
DECEMBER 11<sup>TH</sup>



THURSDAY  
DECEMBER 12<sup>TH</sup>



FRIDAY  
DECEMBER 13<sup>TH</sup>

[www.aorticsurgery.it](http://www.aorticsurgery.it)



◀ **HOME**

**09.00-10.30**

**HANDS-ON WORKSHOP  
“CAROTID ENDARTERECTOMY”**

*Practical course aimed at providing the skills for the surgical treatment of carotid endarterectomy.*

**Convenors:** Enrico Rinaldi, Diletta Loschi  
**Tutor:** Ferdinando Valente

**OBJECTIVES**

The training will be focused on lifelike cases performed on models and will give the opportunity to acquire manual and cognitive competences. It will be structured on a step-by-step learning of basic and complex techniques under the supervision of experienced tutors. At the end of the course participants will be able to perform different techniques of carotid endarterectomy on models.

**TOPICS**

- Surgical treatment for carotid artery stenosis
- Different techniques of carotid endarterectomy

**TARGET AUDIENCE**

- Vascular surgeons
- Vascular surgery residents

**NUMBER OF PARTICIPANTS**

- 12

**IN COLLABORATION WITH**





◀ **HOME**

**11.00-12.30**

**HANDS-ON WORKSHOP**

**“PERIPHERAL REVASCULARIZATION WITH THE OMNIFLOW GRAFT”**

*Practical course aimed at providing the skills for the surgical treatment of peripheral artery diseases with the Omniflow graft.*

**Convenors:** Enrico Rinaldi, Diletta Loschi

**Tutor:** Ferdinando Valente

**OBJECTIVES**

The training will be focused on lifelike cases performed on models. It will be structured on a step-by-step learning of different techniques under the supervision of experienced tutors. At the end of the course participants will be able to use the Omniflow graft for peripheral revascularization.

**TOPICS**

- Surgical treatment for peripheral artery diseases
- How to prepare the Omniflow graft
- When and how to use the Omniflow graft for peripheral revascularization

**TARGET AUDIENCE**

- Vascular surgeons
- Vascular surgery residents

**NUMBER OF PARTICIPANTS**

- 6

**IN COLLABORATION WITH**





## ◀ HOME

### 14.15-15.45

#### **ROUND TABLE “TRANS-ADRIATIC CAROTID SURGERY”**

*Representatives of different countries will present shortly technique used in their centres for carotid endarterectomy (CEA) and for carotid occlusive disease. They will be asked to short answer on questions related to CEA: 1. use of shunts, 2. heparin dose before clamping, 3. at the end of CEA use of protamine (in what dose) 4. peri-operative quality control (CD, angiography), 5. postoperative follow-ups, 6. post-operative medication. Thereafter will be presented ESVS guidelines that show the level of recommendations for each asked question. Finally, there will be discussion on: how the residents want to be trained in CEA, and how the consultants see the training convenient and effective.*

**Convenors:** Zoran Rancic - Igor Koncar  
Germano Melissano - Andrea Kahlberg

**Panellists:** Mladen Gasparini,  
Vedran Pazur - Maroje Cirkovic,  
Slobodan Tanaskovic,  
Djedovic Muhamed - Zoran Roljic,  
Bundovski Kristijan - Marta Cvetanovski

Paolo Frigatti,  
Enrico Rinaldi - Santi Trimarchi - Maurizio Domanim,  
Gianluca Faggioli - Rodolfo Pini,  
Giovanni Pratesi,  
Raffaele Pulli - Walter Dorigo  
Luca di Marzo - Giovanni Tinelli

#### **OBJECTIVES**

- To identify different techniques and strategies in treatment carotid artery occlusive disease by CEA, among the different countries very close to each other
- To show in what way they correspond to ESVS guidelines on carotid artery occlusive disease

#### **TOPICS**

- Treatment of carotid artery occlusive disease by carotid endarterectomy in my center
- ESVS guidelines on the management of atherosclerotic carotid and vertebral artery disease

#### **TARGET AUDIENCE**

- Residents and young vascular and endovascular consultants



◀ **HOME**

**14.15-16.15**

**HANDS-ON WORKSHOP ON SIMULATORS  
“PRACTICAL SKILLS FOR ENDOVASCULAR  
TREATMENT OF PAD”**

**Convenor:** Gian Franco Veraldi

**Co-Convenors:** Daniele Mascia, Andrea Kahlberg

**Tutor:** Carlotta Bugna

**OBJECTIVES**

- To acquire an up-to-date general knowledge on endovascular treatment options for PAD treatment
- To develop the technical skills in order to achieve a successful endovascular treatment for PAD

**TOPICS**

- Endovascular treatment options for PAD treatment
- Practical cases discussion
- Training on simulators

**TARGET AUDIENCE**

- Vascular surgeons
- Angiologists
- General surgeons
- Vascular surgery residents

**NUMBER OF PARTICIPANTS**

- 8

**IN COLLABORATION WITH**



 **HOME****16.15 - 18.15****ROUND TABLE  
“HOW TO OVERCOME GENDER BIASES  
IN VASCULAR SURGERY”**

*This session will integrate short lectures about gender disparities in the vascular workplace and leadership/female role models. Next, a round table discussion including testimonies of female vascular surgeons: what is their story, what challenges have they faced, what opportunities did they come across and what are their priorities for the future.*

*We would love to learn from one another, share experiences and be happy to support each other clinically, academically and within various vascular societies.*

**Convenors:** Monica Fabbri, Erica Mitchell, Sonia Ronchey

**Panellists:** Alaide Chieffo, Young Erben, Alice Lopes, Irene Morelli  
Grace Mulatti, Annarita Santoro

**TOPICS**

- Gender disparities in vascular surgery
- Inappropriate behaviour in the vascular workplace
- Personal testimonies from female vascular colleagues
- Leadership and female role models

**TARGET AUDIENCE**

- Medical Doctors

 **HOME****16.45-18.45****HANDS-ON WORKSHOP ON SIMULATORS  
“PRACTICAL SKILLS FOR SUCCESSFUL  
ENDOVASCULAR TREATMENT OF COMPLEX AORTIC  
ANEURYSMS USING FENESTRATED GRAFTS”**

*Using fenestrated devices requires a steep learning curve. Physicians must develop skills in advanced imaging, precise planning, and meticulous deployment, particularly in challenging anatomies. Training through specialized workshops that offer hands-on experience under the guidance of experienced supervisors is essential for achieving proficiency.*

**Convenors:** Daniele Mascia, Nicola Troisi

**Tutor:** Ferdinando Valente

**OBJECTIVES**

- To gain comprehensive, up-to-date knowledge of current endovascular treatment options for para- and juxtarenal aortic aneurysms
- To develop the technical skills necessary for performing successful endovascular treatments using fenestrated grafts

**TOPICS**

- Use of fenestrated grafts for the treatment of complex aortic aneurysms
- Case-Based Discussions on Planning and Sizing Challenges, with Practical Tips and Techniques for Overcoming Them
- Hands-On Training with a State-of-the-Art Simulator for Complex Anatomies

**TARGET AUDIENCE**

- Young Vascular Surgeons
- Vascular Surgery Residents

**NUMBER OF PARTICIPANTS**

- 8

**IN COLLABORATION WITH**



## HOME

08.45 – 10.45

### HANDS-ON WORKSHOP

#### “PHYSICIAN-MODIFIED ENDOGRAFTS INNER BRANCHES TECHNIQUE FOR THORACOABDOMINAL ANEURYSM REPAIR”

*This workshop offers an exploration of the inner branches technique for thoraco-abdominal aneurysm repair using physician-modified endografts (PMEGs). Participants will gain practical insights into the latest advancements in endovascular technology and the application of inner branches to treat complex aortic pathologies. The course will provide hands-on demonstrations, giving attendees the tools and techniques necessary to apply the technique in their routine.*

**Convenors:** Grace Mulatti, Tayrine Mazotti de Moraes

**Tutor:** Carlotta Bugna

### OBJECTIVES

- To educate participants on the principles and indications of PMEGs for thoracoabdominal aneurysm repair
- To demonstrate the step-by-step process of creating and suturing inner branches in endografts
- To provide hands-on experience in the modification and application of endografts for complex aortic repairs
- To discuss potential complications, troubleshooting, and management strategies associated with this technique

### TOPICS

- Principles and design of PMEGs
- Step-by-step guide to inner branches technique
  - Planning and imaging
  - Device preparation and modification
- Managing complications and troubleshooting
- Hands-on workshop: creating and suturing inner branches, pre-cannulation, re-sheathing to fit

### TARGET AUDIENCE

- Vascular fellows with an interest in complex aortic repair
- Vascular surgeons looking to expand their expertise in advanced endovascular techniques

### NUMBER OF PARTICIPANTS

- 8





◀ **HOME**

**13.45 – 15.45**

**HANDS-ON WORKSHOP  
“PHYSICIAN-MODIFIED ENDOVASCULAR DEVICES  
FOR THE AORTIC ARCH”**

*Homemade fenestration for endovascular repair of the aortic arch.*

**Convenor:** Ludovic Canaud

**Co-Convenor:** Andrea Kahlberg

**Tutor:** Nicola Favia

**OBJECTIVES**

- To create fenestrations for endovascular repair of the aortic arch

**TOPICS**

- Emergency repair of aortic arch lesions

**TARGET AUDIENCE**

- Vascular surgeons with extensive experience in TEVAR who want to learn how to treat the aortic arch by creating fenestrations on standard thoracic stent grafts

**NUMBER OF PARTICIPANTS**

- 8



## HOME

**16.00-18.00**

### **HANDS-ON WORKSHOP**

#### **“PHYSICIAN MODIFIED ENDOVASCULAR DEVICES”**

*F/B-EVAR using custom-made devices is frequently required for aortic aneurysms with difficult anatomy. In urgent cases or when immediate repair is required, modified devices are an effective method to design the required endograft for the repair. The steps for planning and modification of devices will be reviewed in detail.*

**Convenor:** Carlos Timaran

**Tutor:** Annarita Santoro

#### **OBJECTIVES**

- Become familiar with the planning for FBEVAR using modified devices
- Understand the steps to modify a device
- Incorporate additional adjuncts required for arch endovascular repairs

#### **TOPICS**

- Modification of devices for thoraco-abdominal repairs and for total

#### **TARGET AUDIENCE**

- Vascular specialists performing endovascular aortic repair

#### **NUMBER OF PARTICIPANTS**

- 8



◀ **HOME**

**09.30-12.00**

**HANDS-ON WORKSHOP ON SIMULATORS  
“OPEN AAA REPAIR”**

*Practical course aimed at providing the skills for the surgical treatment of AAA.*

**Convenors:** Enrico Rinaldi, Diletta Loschi  
**Tutor:** Carlotta Bugna

**OBJECTIVES**

- The training will be focused on lifelike cases performed on models and will give the opportunity to acquire manual and cognitive competences. It will be structured on a step-by-step learning of basic and complex techniques under the supervision of experienced tutors

**TOPICS**

- Aorto-aortic bypass
- Supra renal clamping with renal perfusion
- Inferior mesenteric artery reimplantation

**TARGET AUDIENCE**

- Vascular surgeons
- Vascular surgery residents

**NUMBER OF PARTICIPANTS**

- 8

**IN COLLABORATION WITH**

**GETINGE** 



◀ **HOME**

**13.30-16.00**

**HANDS-ON WORKSHOP ON SIMULATORS  
"OPEN AAA REPAIR"**

*Practical course aimed at providing the skills for the surgical treatment of AAA.*

**Convenor:** Enrico Rinaldi, Diletta Loschi  
**Tutor:** Carlotta Bugna

**OBJECTIVES**

- The training will be focused on lifelike cases performed on models and will give the opportunity to acquire manual and cognitive competences. It will be structured on a step-by-step learning of basic and complex techniques under the supervision of experienced tutors

**TOPICS**

- Aorto-aortic bypass
- Supra renal clamping with renal perfusion
- Inferior mesenteric artery reimplantation

**TARGET AUDIENCE**

- Vascular surgeons
- Vascular surgery residents

**NUMBER OF PARTICIPANTS**

- 8

**IN COLLABORATION WITH**

**GETINGE** 