



**ISIR**  
ISTITUTO SCIENTIFICO UNIVERSITARIO  
SAN RAFFAELE

4<sup>TH</sup> INTERNATIONAL CONGRESS

# AORTIC SURGERY AND ANESTHESIA

## "HOW TO DO IT"

SAN RAFFAELE SCIENTIFIC INSTITUTE  
MILANO - ITALY - DECEMBER 17<sup>TH</sup> - 18<sup>TH</sup>, 2010

FINAL PROGRAMME

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





## CHAIRMEN

**Roberto Chiesa**  
**Alberto Zangrillo**  
**Ottavio Alfieri**  
**Germano Melissano**

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## SCIENTIFIC COMMITTEE

Renata Castellano  
Efrem Civilini  
Enrico M. Marone  
Matteo Montorfano  
Yamume Tshomba  
Elena Bignami  
Giovanni Landoni  
Federico Pappalardo  
Mara Scandroglio  
Stefano Benussi  
Alessandro Castiglioni  
Michele De Bonis  
Francesco Maisano

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## ORGANISING SECRETARIAT

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### Presentation timings

Speakers are allowed 5 minutes for their presentation  
and discussants 2 minutes for their comment

## FRIDAY, DECEMBER 17<sup>TH</sup>, 2010

### MORNING

#### Opening ceremony

08:00 - 08:15

Welcome from the Congress  
Chairmen

**Roberto Chiesa,**  
**Alberto Zangrillo,**  
**Ottavio Alfieri**

Welcome from our President  
**sac. prof. Luigi M. Verzè**

Welcome from our Dean  
**Massimo Clementi**

#### Advanced imaging

8:30 - 09:30

President: **Giovanni Simonetti**

Chairmen: **Gian Paolo Cornalba,**  
**Alessandro Del Maschio,**  
**Luigi Inglese**

Speaker: **Efrem Civilini**  
Comment: **Stephen Cheng**  
Open source software OsiriX for  
aortic procedures planning and sizing

Speaker: **Pietro Spagnolo**  
Comment: **Giovanni La Canna**  
State of the art of cardiac CT

Speaker: **Giovanni Gandini**  
Comment: **Nicholas J.W. Cheshire**  
Aortic CT angiography.  
Advantages of last generation  
multidetector CT scanner

Speaker: **Franco Grego**  
Comment: **Carlo Ferro**  
EVAR without contrast is possible  
with adequate preoperative  
planning

Speaker: **Ronald L. Dalman**  
Comment: **Gianluca Faggioli**  
Circulating markers of aortic  
aneurysms

DISCUSSION

#### The proximal aorta

9:30 - 11:00

President: **Luigi Chiariello**

Chairmen: **Luigi Beretta,**  
**Ruggero De Paulis,**  
**Roy K. Greenberg**

Speaker: **Roberto Di Bartolomeo**  
Comment: **Jan S. Brunkwall**  
The "Frozen" Elephant Trunk  
Technique

Speaker: **Roy K. Greenberg**  
Comment: **Martin Grabenwöger**  
Endovascular aortic repair, pushing  
the limit proximally

Speaker: **LiZhong Sun**  
Comment: **Giampiero Esposito**  
Surgical treatment of type A  
dissection

Speaker: **Gregory W. Fischer**  
Comment: **Paolo Zanatta**  
Current status of cerebral oximetry  
in aortic surgery

Speaker: **Masaaki Kato**  
Comment: **Christoph A. Nienaber**  
Endovascular approach for  
proximal aortic dissections

Speaker: **Germano Melissano**  
Comment: **Ronald L. Dalman**  
Aortic arch debranching

Speaker: **Frans L. Moll**  
Comment: **Giancarlo Mansueto**  
4-D Dynamic CT of the aorta before  
and after stent-graft placement

DISCUSSION

Coffee Break

#### Marfan syndrome

11:30 - 13:00

President: **Gian Franco Gensini**

Chairmen: **Paolo G. Camici,**  
**Franco Cavaliere,**  
**Peter R. Taylor**

Speaker: **Eloisa Arbustini**  
Comment: **Iacopo Olivetto**  
Most recent advances in the  
knowledge of Marfan Syndrome

Speaker: **H.-Joachim Schäfers**  
Comment: **Michele De Bonis**  
Valve-sparing and valve-replacing  
techniques for aortic root  
replacement in Marfan patients

Speaker: **Matt Thompson**  
Comment: **Claudio Novali**  
Stent grafting of dissected  
descending aorta in Marfan  
patients

Speaker: **Gavin Wrigth**  
Comment: **F. Luca Lorini**  
Anesthetic management in patients  
with Marfan Syndrome and aortic  
dissection

Speaker: **Attilio Odero**  
Comment: **I. Hui Wu**  
Open thoracic and  
thoraco-abdominal aortic repair in  
Marfan patients

Speaker: **Marc A.A.M. Schepens**  
Comment: **Stefano Benussi**  
Acute type A dissection in Marfan  
patients

Speaker: **Thierry P. Carrel**  
Comment: **Alessandro Castiglioni**  
Technical advances in open surgery  
determines improved outcomes in  
Marfan patients

DISCUSSION

SICVE President Address  
**Maurizio Puttini**

13:00 - 13:30

**Keynote Lecture**  
**Joseph S. Coselli**

Surgical solutions for arch and  
thoraco-abdominal aneurysms

Lunch

### AFTERNOON

#### Aortic valve

14:30 - 16:00

President: **Paolo Biglioli**

Chairmen: **Antonio Colombo,**  
**Francesco Musumeci,**  
**Marco Ranucci**

Speaker: **Paolo Rubino**  
Comment: **Bernhard Reimers**  
The balloon-expandable "Edwards -  
Sapien" trans-catheter aortic valve



Speaker: **Gian Paolo Ussia**  
Comment: **Alaide Chieffo**  
The self expanding "Medtronic – CoreValve" trans-catheter aortic valve

Speaker: **Fabio Guarracino**  
Comment: **Giuseppe Biondi Zoccai**  
Anesthetic management of percutaneous aortic valve procedures

Speaker: **Francesco Maisano**  
Comment: **Francesco Siclari**  
Trans-apical trans-catheter aortic valve implantation

Speaker: **Matt Thompson**  
Comment: **Alberto Margonato**  
Percutaneous approach for endovascular procedures

Speaker: **Matteo Montorfano**  
Comment: **Azeem Latib**  
"Valve-in-Valve" technique for aortic bio-prosthesis malfunction

Speaker: **Corrado Tamburino**  
Comment: **Eustachio Agricola**  
Quality of life assessment after percutaneous aortic valve implantation

Speaker: **Malakh Lal Shrestha**  
Comment: **Thierry P. Carrel**  
An alternative for surgical approach. Perceval S a new innovative self anchoring heart valve

DISCUSSION

## Spinal cord ischemia

16:00 - 17:30

President: **Joseph S. Coselli**

Chairmen: **Angelo Argenteri, Francesco Giunta, Andrea Stella**

Speaker: **Carlo Setacci**  
Comment: **Fabio Verzini**  
TEVAR in patients with previous or concomitant AAA surgery

Speaker: **Roberto Imberti**  
Comment: **Andrea Carozzo**  
Peri-operative preventive measures for spinal cord ischemia

Speaker: **Germano Melissano**  
Comment: **Laurent Chiche**  
CT analysis of spinal cord vasculature

Speaker: **Frank J. Criado**  
Comment: **Mauro Ferrari**  
Mapping of the aorta: is it useful to stratify the risk of spinal cord ischemia after TEVAR?

Speaker: **Michael Jacobs**  
Comment: **Pierluigi Giorgetti**  
Spinal cord ischemia after open TAAA surgery

Speaker: **Fabien Koskas**  
Comment: **Giovanni Pratesi**  
Low incidence of spinal cord ischemia after open repair of type IV TAAA

Speaker: **Luca Severi**  
Comment: **Carlo Ori**  
Postoperative treatment of spinal cord ischemia

Speaker: **Martin Czerny**  
Comment: **Xavier Barral**  
Risk factors for spinal cord injury in patients undergoing TEVAR – a European Registry

DISCUSSION

Coffee Break

## Definition of "Unfit" patient

17:45 - 19:15

President: **Antonio Braschi**

Chairmen: **Livio Gabrielli, V. Marco Ranieri, Domenico Tealdi**

Speaker: **George Silvay**  
Comment: **Philip J. Devereaux**  
Value of preoperative clinic for aortic aneurysm patients: harmony in the operating room, enhance outcome and patient satisfaction

Speaker: **Roberta Mennella**  
Comment: **Marco Setti**  
Parameters and guidelines that define the "Unfit" patient for laparotomy and thoracotomy with aortic cross-clamping

Speaker: **Luigi Tritapepe**  
Comment: **Michele De Bonis**  
Parameters and guidelines that define the "Unfit" patient for sternotomy, cardio-pulmonary by-pass and circulatory arrest

Speaker: **Philip J. Devereaux**  
Comment: **Michele Oppizzi**  
Therapeutical optimization for the "Unfit" patient, role of beta-blockers and statins

Speaker: **Nicola Brienza**  
Comment: **Maria Grazia Calabrò**  
The relevance of renal failure as a risk factor for aortic surgery

Speaker: **Fabio Guarracino**  
Comment: **Remo Daniel Covello**  
Trans esophageal echocardiography and the evaluation of cardiac risk

Speaker: **Marco Ranucci**  
Comment: **Luca Cabrini**  
Age: risk factor or contra-indication

DISCUSSION

## SATURDAY, DECEMBER 18<sup>TH</sup>, 2010

### MORNING

#### When the anesthesiologist makes the difference

8:00 - 9:20

President: **Luciano Gattinoni**

Chairmen: **Piergiorgio Cao, Antonio Pesenti, Frank J. Veith**

Speaker: **Giovanni Landoni**  
Comment: **Franco Cavaliere**  
New inotropic agents and survival: Levosimendan

Speaker: **Andrea Morelli**  
Comment: **Nicola Brienza**  
Inotropic agents and mucosal perfusion

Speaker: **Philip J. Devereaux**  
Comment: **Fabio Guarracino**  
Epidemiology and outcome of perioperative myocardial infarction

Speaker: **Emanuele Piraccini**  
Comment: **Elena Bignami**  
Epidural and paravertebral analgesia

Speaker: **Yannick Le Manach**  
Comment: **Gavin Wright**  
Should statins be used as a universal premedication?

Speaker: **Rubia Baldassarri**  
Comment: **Maurizio Taurino**  
Locoregional or general anesthesia for EVAR/TEVAR

Speaker: **Stefano Romagnoli**  
Comment: **Luigi Tritapepe**  
Non-invasive intraoperative monitoring

DISCUSSION

#### Aortic emergencies

9:20 - 10:50

President: **Edouard Kieffer**

Chairmen: **Gioacchino Coppi, Frank J. Criado, Valentino Martelli**

Speaker: **Enrico M. Marone**  
Comment: **Jose Francisco Cesa**  
TEVAR for aorto-esophageal, aortobronchial fistulae

Speaker: **Pierpaolo Giomarelli**  
Comment: **Mauro Gargiulo**  
Contemporary anesthetic management of profound hemorrhagic shock after aortic rupture

Speaker: **Francesco Speziale**  
Comment: **Karaoglan Liberato de Moura**  
Aorto-enteric fistulae after AAA open surgery

Speaker: **Luigi Martinelli**  
Comment: **Gino Gerosa**  
Acute type A dissection

Speaker: **Martin Grabenwöger**  
Comment: **Claudio Muneretto**  
Emergency treatment of complicated type B dissection, experience of the "Vienna Aneurysm Program"



Speaker: **Christoph A. Nienaber**  
Comment: **Stefano Bonardelli**  
TEVAR for isthmus rupture

Speaker: **Hans-Henning Eckstein**  
Comment: **Vicente Riambau**  
EVAR for ruptured AAA: current gold standard

Speaker: **Joseph J. Ricotta**  
Comment: **Gianmarco de Donato**  
Surgeon-modified fenestrated grafts for ruptured complex aortic aneurysms

#### DISCUSSION

Coffee Break

### Laparoscopy & miscellaneous topics

11:10 - 12:30

President: **Frank J. Veith**

Chairmen: **Giovanni Deriu, Olivier A. Goëau-Brissonnière, Adamastor H. Pereira**

Speaker: **Mauro Ferrari**  
Comment: **Ralf Kolvenbach**  
Laparoscopic approach to AAA

Speaker: **Paolo Baccari**  
Comment: **Yves S. Alimi**  
Laparoscopic treatment of arcuate ligament syndrome

Speaker: **Yamume Tshomba**  
Comment: **Francesco Mascoli**  
Visceral malperfusion and aortic dissection: role of laparoscopy

Speaker: **Laurent Chiche**  
Comment: **Giancarlo Palasciano**  
Caval Leiomyosarcomas

Speaker: **Andrea Stella**  
Comment: **Guido Bajardi**  
Primary malignant tumours of the aorta

Speaker: **Carlo Pratesi**  
Comment: **Giovanni Nano**  
EVAR for inflammatory AAA

Speaker: **A. Dinis da Gama**  
Comment: **Giustino Marcucci**  
A "Simplified Technique" for the surgical management of thoracoabdominal aortic aneurysms

Speaker: **Stéphan Haulon**  
Comment: **Tommaso Donati**  
Hypogastric artery branched stent-grafts

Speaker: **Vicente Riambau**  
Comment: **Luca Bertoglio**  
New concepts and devices for complex thoracic procedures

#### DISCUSSION

12:30 - 13:00

### Keynote Lecture

**Roy K. Greenberg**  
Endovascular solutions for arch and thoraco-abdominal aneurysms

Lunch

### AFTERNOON

### Complications

14:00 - 15:30

President: **Giancarlo Bracale**

Chairmen: **Valter Casati, Jean-Georges Kretz, Piergiorgio Settembrini**

Speaker: **Federico Pappalardo**  
Comment: **Dionisio Colella**  
Anesthetic management of severe intraoperative bleeding complications

Speaker: **Rossella Fattori**  
Comment: **Matt Thompson**  
Increased mortality in centers with low case load, should there be more regionalization?

Speaker: **Olivier A. Goëau-Brissonnière**  
Comment: **Francesco Setacci**  
Vascular graft infections

Speaker: **Jean Marzelle**  
Comment: **Francesco Spinelli**  
Colonic ischemia after open surgery and EVAR

Speaker: **Eric Verhoeven**  
Comment: **Umberto M. Bracale**  
Complications and solutions during complex endovascular thoraco-abdominal procedures

Speaker: **Piergiorgio Cao**  
Comment: **Alexandre Campos Moraes Amato**

Late conversion to open repair with stent-graft removal

Speaker: **Burkhardt Zipfel**  
Comment: **Angelo Argentero**  
Retrograde dissection after TEVAR

#### DISCUSSION

### Coverage of important branches: when and how to revascularize?

15:30 - 17:00

President: **Maurizio Puttini**

Chairmen: **Gabriele Finco, Giovanni Torsello, Frank J. Veith**

Speaker: **Frank J. Criado**  
Comment: **Fabien Koskas**  
Chimney grafts and bare stents: aortic branch preservation revisited

Speaker: **Stephen Cheng**  
Comment: **Giovanni Lorenzi**  
Double bifurcation grafts: developments for EVAR with iliac aneurysm

Speaker: **Armando C. Lobato**  
Comment: **Domenico Palombo**  
Double barrel technique for the hypogastric artery

Speaker: **Martin Malina**  
Comment: **Roberto Pacchioni**  
Routine chimney technique for left subclavian preservation

Speaker: **Nicholas J. W. Cheshire**  
Comment: **Flavio Peinetti**  
Hybrid technique for splanchnic revascularization

Speaker: **Arno von Ristow**  
Comment: **Stefano Michelagnoli**  
Visceral artery aneurysm > 200 cases experience

Speaker: **Claude Vaislic**  
Comment: **Martin Malina**  
Treatment of TAAs, Multilayer stenting: a breakthrough?

#### DISCUSSION

Coffee break

### Endoleaks

17:30 - 19:00

President: **Carlo Setacci**

Chairmen: **Jean-Marie Cardon, Guido Regina, Jean-Baptiste Ricco**

Speaker: **Bruno Gossetti**  
Comment: **Marcelo Liberato de Moura**

Optimal techniques for surveillance after EVAR, role of ultrasonography

Speaker: **Giorgio M. Biasi**  
Comment: **Pietro Rispoli**  
Type II endoleak treat or observe?

Speaker: **Ralf Kolvenbach**  
Comment: **Franco Nessi**  
Can "Endo-Staples" prevent type I endoleaks and late migrations?

Speaker: **Toru Kuratani**  
Comment: **Jan S. Brunkwall**  
Stent-graft and debranching for TAA aneurysm

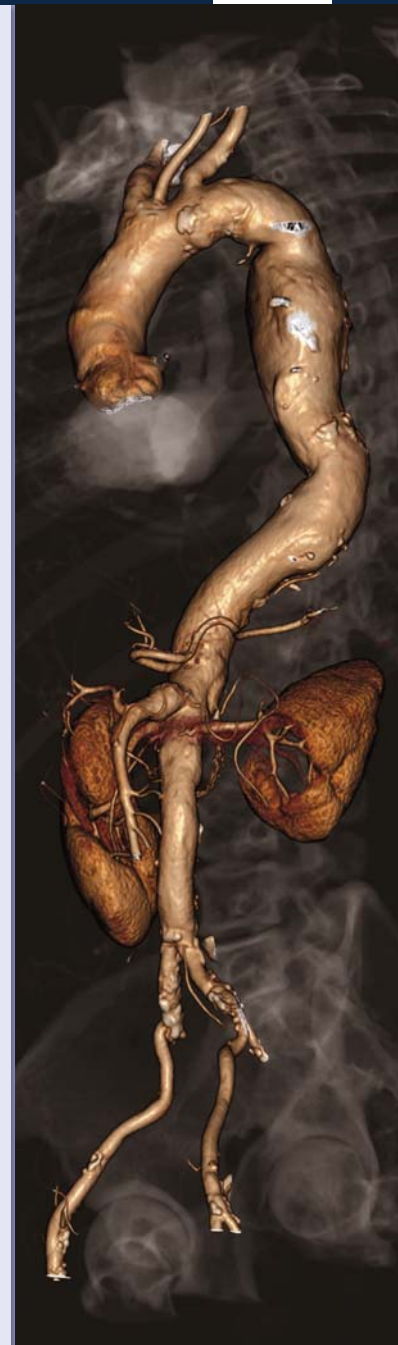
Speaker: **Nicola Mangialardi**  
Comment: **Carlo Antona**  
Proximal aortic wrapping to prevent endoleak after "Zone 0" hybrid arch repair

Speaker: **Enrico Pampana**  
Comment: **Patrizio M. Castelli**  
Tissue glue / ONIX and coil embolization in the treatment of Type II endoleaks

#### DISCUSSION

SICVE President Elect Address  
**Carlo Setacci**

### CLOSING REMARKS



# A C K N O W L E D G M E N T S

	
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