AORTIC SURGERY AND ANESTHESIA
“HOW TO DO IT”

MILANO - ITALY - DECEMBER 11th - 13th, 2008

FINAL PROGRAMME

ISTITUTO SCIENTIFICO UNIVERSITARIO SAN RAFFAELE
UNIVERSITÀ VITA-SALUTE SAN RAFFAELE

www.aorticsurgery.it
### SPECIAL SYMPOSIUM
**GLOBAL THINKING IN CARDIOVASCULAR SURGERY: “EAST MEETS WEST”**

#### Part I 14:00 - 16:00

**CHAIR:** Ottavio Alfieri, Wei Guo, Carlo Pratesi, Marco Ranucci, Carlo Setacci

<table>
<thead>
<tr>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Cardiovascular Surgeon in the era of globalization: need for changes</td>
<td>Paul T. Sergeant</td>
</tr>
<tr>
<td>Global thinking in the hospital. The Cardiovascular Anesthesiologist</td>
<td>Alberto Zangrillo</td>
</tr>
<tr>
<td>Development of endovascular surgery techniques for cardiovascular surgeons in Taiwan</td>
<td>Chun-Che Shih</td>
</tr>
<tr>
<td>A brief history of cardiovascular surgery</td>
<td>Angelo Argenteri</td>
</tr>
<tr>
<td>Intellectual property vs. the “right to be cured”. A XXI century dilemma</td>
<td>K.M. Cherian and Fabrizio Benedetti-Valentini</td>
</tr>
<tr>
<td>Teaching and training vascular surgery in Asia and in Europe</td>
<td>Stephen Cheng and Giorgio Biasi</td>
</tr>
<tr>
<td>Healthcare and reimbursement systems in Asia</td>
<td>Peter A. Robless</td>
</tr>
</tbody>
</table>

#### Part II 16:30 - 18:00

**CHAIR:** Jean-Georges Kretz, Karaoglan Liberato de Moura, Chun-Che Shih, Domenico Tealdi, Giorgio Torri

<table>
<thead>
<tr>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changing epidemiology: the burden of aging and comorbidities</td>
<td>Marco Ranucci</td>
</tr>
<tr>
<td>Epidemiology and therapeutic options of aortic dissection in Asia and Europe</td>
<td>Worawong Slisatkorn and Rossella Fattori</td>
</tr>
<tr>
<td>Access to scientific publishing for NON-English mother language Authors</td>
<td>Jean-Baptiste Ricco</td>
</tr>
<tr>
<td>Epidemiology and therapeutic options of aneurysms in China</td>
<td>Wei Guo</td>
</tr>
<tr>
<td>Optimal care and limited resources: a universal problem</td>
<td>Adamastor H. Pereira</td>
</tr>
<tr>
<td>The role of the “Interventional Radiologist” in endovascular procedures in India and in Italy</td>
<td>Rahul Sheth and Roberto Gandini</td>
</tr>
</tbody>
</table>
OPENING CEREMONY

Welcome from the Congress Chairmen
Roberto Chiesa,
Ottavio Alfieri,
Alberto Zangrillo

Welcome from our Dean
Antonio Emilio Scala

Welcome from the outgoing President of the Italian Society for Vascular and Endovascular Surgery
Giancarlo Bracale

Welcome from the President of the Italian Society of Anesthesia, Analgesia, Resuscitation and Intensive Care Medicine
Luciano Gattinoni

Welcome from our President
sac. prof. Luigi Maria Verzé
OPENING REMARKS
Roberto Chiesa, Ottavio Alfieri, Alberto Zangrillo

8:30 - 9:30
OPENING LECTURES
Leonardo da Vinci and the aortic valve
Francis Robicsek
Aortic surgery in the new millennium
Joseph S. Coselli

9:30 - 11:30 - SESSION 1
ENDOVASCULAR TREATMENT I
CHAIR: Maurizio Cotrufo, Edouard Kieffer, Francesco Musumeci, George Silvay
Selecting patients for trans-femoral aortic valve implantation
Antonio M. Calafiore
Discussant: Iassen Michev
Self expandable trans-catheter aortic valve implantation
Corrado Tamburino
Discussant: Francesco Musumeci
The role of Trans Esophageal Echocardiography in endovascular treatment of the thoracic aorta
Madhav Swaminathan
Discussant: Eustachio Agricola
Perioperative anesthesiological challenges of the unfit patient "ideal candidate" of transfemoral aortic valve implantation
Remo Daniel Covello
Discussant: Luigi Tritapepe
Endovascular treatment of type B dissection. Goals, outcomes, disease specific devices
Germano Melissano
Discussant: Giovanni Lorenzi
Left subclavian artery and celiac trunk salvage by stent-graft branching or fenestration: is it worth it?
Timothy Resch
Discussant: Luca Del Guercio
Redo endovascular treatment (relining) after failed surgical or endovascular aortic procedure
Armando C. Lobato
Discussant: Stefano Bonardelli
Treatment of endoleaks after EVAR
Wei Zhou
Discussant: Francesco Speziale

Coffee break

12:00 - 13:45 - SESSION 2
OPEN SURGERY I
CHAIR: Luciano Gattinoni, Claudio Muneretto, Carlo Setacci
Assessment of the aortic valve for repair
Giovanni La Canna
Discussant: Carlo Antona
Aortic valve sparing procedures and aortic valve repair
H. Joachim Schäfers
Discussant: Alessandro Castiglioni
Perioperative drug management in patients undergoing vascular surgery
Tommaso Fiore
Discussant: Silvio Magrin
Epidural analgesia and outcome in cardiac surgery
Jane C. Ballantyne
Discussant: Erminio Sisillo
Aortic arch aneurysms: open surgery
Roberto Di Bartolomeo
Discussant: Francesco Spinelli
Minimally invasive abdominal aortic surgery (minilaparotomy and laparoscopic approaches)
Laurent Chiche
Discussant: Giovanni Colacchio
Inflammatory AAA: physiopathology and therapeutic options
Andrea Stella
Discussant: Franco Nessi

Lunch
### HYBRID TREATMENT

**CHAIR:** Fabrizio Benedetti-Valentini, Paolo Biglioli, Tommaso Fiore

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter</th>
<th>Discussant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trans-apical aortic valve implantation</td>
<td>Francesco Maisano</td>
<td>Ruggero De Paulis</td>
</tr>
<tr>
<td>Endovascular contributions to treatment of type A aortic dissection</td>
<td>Roy K. Greenberg</td>
<td>Francesco Siclari</td>
</tr>
<tr>
<td>Cardiac protection in major vascular surgery</td>
<td>Luigi Tritapepe</td>
<td>Maria Grazia Calabrò</td>
</tr>
<tr>
<td>Near-infrared spectroscopy (NIRS) monitoring in aortic arch surgery</td>
<td>John M. Murkin</td>
<td>Luigi Beretta</td>
</tr>
<tr>
<td>Hybrid open and endovascular treatment for aortic arch disease</td>
<td>Yamume Tshomba</td>
<td>Maurizio Puttini</td>
</tr>
<tr>
<td>Approach to retrograde dissection into the aortic arch and residual dissection after open treatment of type A dissection</td>
<td>Vicente Riambau</td>
<td>Guido Bajardi</td>
</tr>
<tr>
<td>Anomalies and variant anatomy of the aorta and supra-aortic vessels: additional challenges met by hybrid procedures</td>
<td>Carlo Setacci</td>
<td>Patrizio Castelli</td>
</tr>
</tbody>
</table>

**Coffee break**

### EMERGENCIES

**CHAIR:** Giancarlo Bracale, Luigi Chiariello, Federico Pappalardo

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter</th>
<th>Discussant</th>
</tr>
</thead>
<tbody>
<tr>
<td>The aortic degeneration associated with bicuspid valve: a source of emergency surgery?</td>
<td>Maurizio Cotrufo</td>
<td>Giovanni La Canna</td>
</tr>
<tr>
<td>Emergency treatment of traumatic rupture of the aorta</td>
<td>Raphael de Geest</td>
<td>Enrico M. Marone</td>
</tr>
<tr>
<td>New and old mechanical devices to assist circulation</td>
<td>Roberto Fumagalli</td>
<td>Antonio Pesenti</td>
</tr>
<tr>
<td>Acute type B dissection, current treatment strategies</td>
<td>Nicola Mangialardi</td>
<td>Flavio Peinetti</td>
</tr>
<tr>
<td>“Intra Mural Haematoma” and “Penetrating Aortic Ulcers”</td>
<td>Arno von Ristow</td>
<td>Germano Melissano</td>
</tr>
<tr>
<td>Anesthesiological management and assessment of ruptured TAA</td>
<td>George Silvey</td>
<td>Jane C. Ballantyne</td>
</tr>
<tr>
<td>More treatment options for ruptured AAA: are we saving more lives?</td>
<td>Timothy Resch</td>
<td>Marco Setti</td>
</tr>
</tbody>
</table>
SCIENTIFIC PROGRAMME
SATURDAY DECEMBER 13TH, 2008 - MORNING

8:30 - 10:30 - SESSION 5

ENDOVASCULAR TREATMENT II

CHAIR: Alessandro Del Maschio,
Guido Fanelli,
Gino Gerosa,
Piergiorgio Settembrini

Branched endografts for thoraco-abdominal aneurysm repair
Roy K. Greenberg
Discussant: Domenico Palombo

Fenestrated and branched endograft for the treatment of juxtarenal and thoraco-abdominal aortic aneurysms
Claudio S. Cinà
Discussant: Giancarlo Palasciano

Suprarenal fixation, fenestration, branching; what is the long term fate of the target vessels?
Fabio Verzini
Discussant: Maurizio Taurino

State-of-the-art imaging of aortic aneurysms and post-processing; does it influence indications and planning?
Giovanni Gandini
Discussant: Bruno Gussetti

Loco regional versus general anesthesia in endovascular surgery
F. Luca Lorini
Discussant: Elena Bignami

Non invasive haemodynamic monitoring
Erminio Sisillo
Discussant: Rosalba Tufano

Advanced imaging techniques in the evaluation of patients for trans-femoral aortic valve implantation
Pietro Spagnolo
Discussant: Luigi Inglese

Balloon expandable trans-catheter aortic valve implantation
Antonio Colombo
Discussant: Francesco Maisano

Coffee break

11:00 - 13:00 - SESSION 6

NEWS FROM THE INDUSTRIES

PANEL: Piergiorgio Cao, Livio Gabrielli,
Pierluigi Giorgietti, Fabio Guarracino,
Carlo Setacci, Carlo Spartera

- **BAXTER BIOSURGERY**
  “Bloodless surgery, safer surgery with biomaterials”
  Laura Caliari

- **BOLTON MEDICAL**
  “Clinical data and products evolution”
  Claudio Moscheni

- **COOK MEDICAL**
  “Advances in Branch Endografting”
  Tara M. Mastracci

- **DATASCOPE**
  “What has driven Datascope to innovate at every turn”
  Eric Bielen

- **GORE**
  “The GORE TAG Thoracic Endoprosthesis: What does the future hold?”
  Lori Crosson

- **JOHNSON & JOHNSON MEDICAL**
  “What does innovation in CardioVascular Surgery mean for Johnson & Johnson Medical?”
  Rodrigo Bianchi

- **JOTEC**
  “Aorta remodelling technique in type B dissection”
  Charles Basso

- **MEDTRONIC**
  “Medtronic Endovascular Innovations: Vision and Product Pipeline”
  Jean Luc Montoulieu

- **SEROM**
  “Pre-operative planning for stent and graft endovascular procedures. 3d Reconstructions. 3surgery TM Vascular Imaging”
  Antonio Lorido

- **TELEFLEX MEDICAL**
  “ARROWg+ard BLUE PLUS”
  Maurizio Scabini

- **VYTECH**
  “MostCare; what’s new in hemodynamic monitoring”
  Lara Stanissa

Lunch
14:00 - 15:45 - SESSION 7

OPEN SURGERY II

CHAIR: Giovanni Deriu,
       H. Joachim Schäfers,
       Alberto Zangrillo

Aortic root dynamics: implications for aortic valve replacement
Xu Yu Jin
Discussant: Raphael de Geest

Elephant trunk and “Reversed” elephant trunk procedures for extensive thoracic aneurysms
Joseph S. Coselli
Discussant: Francesco Siclari

Guidelines for the management of the cardiopatic patient in vascular surgery
Fabio Guaracino
Discussant: Alberto Zangrillo

Volatile anesthetics reduce perioperative mortality in cardiac surgery
Giovanni Landoni
Discussant: Mara Scandroglio

TAAA: state-of-the-art in paraplegia prevention and therapeutic options
Michael Jacobs
Discussant: Francesco Setacci

Suprarenal aortic clamping for juxtarenal aortic occlusion, pararenal aneurysm and ruptured aneurysms
Attilio Odero
Discussant: Pietro Rispoli

Abdominal aortic surgery in children
Xavier Barral
Discussant: Mauro Gargiulo

Coffee break

16:15 - 18:15 - SESSION 8

COMPLICATIONS

CHAIR: Alain Branchereau,
       Tommaso Fiore,
       Luigi Martinelli,
       Giuseppe Raimondo Pistolese

Prosthetic endocarditis following aortic valve replacement
Luigi Martinelli
Discussant: Antonio Grimaldi

Stroke after open arch surgery. Prevention strategies
Stefano Benussi
Discussant: Xu Yu Jin

Perioperative prevention and postoperative management of respiratory complications after aortic surgery
V. Marco Ranieri
Discussant: Federico Pappalardo

Renal protection in the critically ill patient with or at risk for acute renal failure. The role of fenoldopam
Tiziana Bove
Discussant: Tommaso Fiore

Endovascular treatment of complications following thoracic and thoraco-abdominal aortic surgery
Franco Grego
Discussant: Yamume Tshomba

Solutions for failure of EVAR and TEVAR
Piergiorgio Cao
Discussant: Gioacchino Coppi

Advancements in the treatment of thoracic and abdominal graft and stent-graft infection
Olivier A. Goëau-Brissoulière
Discussant: Vincenzo Rampoldi

Aortoenteric and aortobronchial fistulae
Enrico M. Marone
Discussant: Claudio Novali

Address from the President-Elect of the Italian Society for Vascular and Endovascular Surgery
Maurizio Puttini

Closing Remarks
Roberto Chiesa
ACKNOWLEDGMENTS

<table>
<thead>
<tr>
<th>ABBOTT Vascular</th>
<th>ab medica</th>
<th>ARROW</th>
<th>AstraZeneca</th>
<th>Baxter BioSurgery</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. BRAUN</td>
<td>BIOTRONIK</td>
<td>Boehringer Ingelheim</td>
<td>BOLTON MEDICAL</td>
<td>Boston Scientific</td>
</tr>
<tr>
<td>CARDIO SERVICE</td>
<td>CEA</td>
<td>Cephalon</td>
<td>COOK Medical</td>
<td>Cordis Johnson &amp; Johnson</td>
</tr>
<tr>
<td>COVIDIAN</td>
<td>DataScope</td>
<td>Distrex</td>
<td>Edwards</td>
<td>ETHICON Products Johnson &amp; Johnson</td>
</tr>
<tr>
<td>ev3</td>
<td>GSK</td>
<td>GLORIA</td>
<td>Gore</td>
<td>Innovative Medical Solutions</td>
</tr>
<tr>
<td>Invotec</td>
<td>Johnson &amp; Johnson Wound Management</td>
<td>Jotec</td>
<td>LeMaitre Vascular</td>
<td>LUSOFARMACO</td>
</tr>
<tr>
<td>MAQUET</td>
<td>Medtronic</td>
<td>sanofi aventis</td>
<td>SECA s.p.a.</td>
<td>Smith &amp; Nephew</td>
</tr>
<tr>
<td>STER</td>
<td>SORIN GROUP</td>
<td>St. Jude Medical</td>
<td>Teleflex Medical</td>
<td>VASCUTEX</td>
</tr>
<tr>
<td>Vytech</td>
<td>AGC</td>
<td>ASPESE</td>
<td>DIES GROUP</td>
<td>Vea</td>
</tr>
<tr>
<td>INTERCLUB</td>
<td>MOMO DESIGN</td>
<td>Omero Velo</td>
<td>Olio Cari</td>
<td>Rossocorsa</td>
</tr>
<tr>
<td>ROSSOCORSA</td>
<td>SAN CARLO</td>
<td>SIDI</td>
<td>TECHNOGYM</td>
<td>Rocca di Castagnoli</td>
</tr>
</tbody>
</table>