In recent years, neurovascular surgery has been going through an identity crisis. The fast evolution of endovascular techniques has undermined the traditional therapeutic treatments in AVM, Aneurysms and dural artero-venous Fistulas. Surgery on the other hand, has benefitted from this conflict and the invasiveness has been significantly reduced as a result.

Nowadays, the approaches offered vary depending on the medical centre and the different approaches used in various centers often confuse patients. We think that in this transitional world it is necessary to periodically take stock of the situation, and to objectively compare experiences in order to evolve together.

The aim of this course is to start a dynamic and iterative development path in the cerebrovascular field, together with other reference centres, both at national and at international level. By trying to give an answer to the well known and evident fragmentation of the pathology, we aim to reach common objectives, recommendations and above all results.

**ENDORSEMENTS**

**FACULTY**

Alvaro Andreoli, Bologna, Italy  
Lorenzo Bello, Milano, Italy  
Antonio Bernardo, New York, USA  
Eduardo Bioccardoi, Milano, Italy  
Andrea Cardia, Milano, Italy  
Raffaele Cennato, Milano, Italy  
Roberto Deliani, Roma, Italy  
Maurizio Ferrari, Milano, Italy  
Renato Gallo, Laquila, Italy  
Andreas Gruber, Wien, Austria  
Koji Ihara, Osaka, Japan  
Giuseppe Lanzino, Rochester, USA  
Alberto Lazzerini, Milano, Italy  
Alberto Pasqualini, Verona, Italy  
Giampietro Pinna, Verona, Italy  
Audres Raabe, Bern, Switzerland  
Luca Begli, Zurich, Switzerland  
Antonio Santoro, Roma, Italy  
Renato Scienza, Padova, Italy  
Carmelo Sturiale, Bologna, Italy  
Luca Valvasori, Milano, Italy  
Peter Vajkoczy, Berlin, Germany

**MEETING VENUE**

Humanitas Congress Center, Via Manzoni 113
20089 Rozzano, Milan, Italy

**SCIENTIFIC SECRETARIAT**

Carlo Alberto Benefec, Torino, Italy  
Emiliano Passacantilli, Roma, Italy  
Luigi Andrea Lanterna, Bergamo, Italy  
Federico Pesina, Milano, Italy  
Carlo Bortolotti, Bologna, Italy  
Angelo Musumeci, Verona, Italy

**ORGANIZING SECRETARIAT**

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**ENDORSEMENTS**

**HUMANITAS RESEARCH HOSPITAL**

2 | 3 | 4 December 2013
Humanitas Congress Center, Via Manzoni 113

**COURSE ON CEREBROVASCULAR SURGERY: TIPS AND TRICKS**

In collaboration with:

**PRESIDENTS**

Maurizio Fornari - Lorenzo Bello - Marco Cenzato

**COURSE DIRECTOR**

Andrea Cardia, Milano

**HONOR GUEST**

Alvaro Andreoli, Bologna
Course presentation: Cenzo, Formari, Bello
Introduction of SINch vascular program: Alberto Pasqualin, Roberto Delfini
“A look at the past to predict the future” Alvaro Andreoli

December 2nd, 2013
Morning 8,30 - 12,30
Chairmen: Andrea Raabe, Giuseppe Lanzino, Marco Cenzo, Gianpietro Pinna

  Giuseppe Lanzino, Andreas Raabe
- Step by step: ACA aneurysms. Tips and tricks.
  Giuseppe Lanzino, Andreas Raabe
  Edoardo Boccardi
  Giuseppe Lanzino, Andreas Raabe
  Giuseppe Lanzino

Afternoon 13,30 - 18,00
Chairmen: Andrea Raabe, Giuseppe Lanzino, Marco Cenzo, heavy Pinna

- Clipping techniques.
  Andreas Raabe
- Intraoperative rupture: avoidance and management.
  Giuseppe Lanzino
- Prevention of ischemic complications: electrophysiological monitoring, indocyanine green, flowmetry.
  Andreas Raabe
- Retraction injury: how to avoid it.
  Giuseppe Lanzino
- Surgical management of giant aneurysms of the vertebro-basilar junction
  Antonio Bernardo
- Management of residual and recurrent aneurysms after initial endovascular treatment.
  Andreas Gruber

December 3rd, 2013
Morning 8,30 - 12,30
Chairmen: Giuseppe Lanzino, Renato Scienza, Marco Cenzo, Alberto Pasqualin

- Cerebral dAVFs
  Giuseppe Lanzino
- AVM: anatomical considerations, natural history
  Luca Regli
- AVM resection: indications
  Marco Cenzo
- Surgical technique of AVM: tips and tricks
  Alberto Pasqualin
- Endovascular treatment: indications and limits
  Edoardo Boccardi
- AVM morbidity and mortality.
  Peter Vajkoczy
- Spinal vascular lesions.
  Giuseppe Lanzino

Afternoon 13,30 - 18,00
Chairmen: Giuseppe Lanzino, Peter Vajkoczy, Luca Regli, Renato Galzio, Antonio Santoro

- Cerebral revascularization technique: general considerations
  Peter Vajkoczy
- By PAss in complex and fistulous aneurysms
  Marco Cenzo
- Combined treatment strategy of complex intracranial aneurysms: the endovascular neurosurgeons approach
  Andreas Gruber
- Flow alteration treatment for partially thrombosed large or giant aneurysms in the posterior circulation
  Iihara Koji
- By pass Failure and Non exclusive bypass techniques: expert opinion
  Luca Regli
- Training system for cerebrovascular hybrid surgeons
  Iihara Koji

December 4th, 2013
Morning 8,30 - 12,30
Chairmen: Marco Cenzo, Antonio Santoro, Renato Galzio, Luca Regli, Peter Vajkoczy, Luigi Andrea Lanterni, Alberto Lazzerini

Microvascular course hands-on

Program:

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<th>First Name - Family Name</th>
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Registration Fee:
- COURSE ON CEREBROVASCULAR SURGERY: TIPS AND TRICKS - December 2 | 3, 2013
  Until 35 years old: € 150,00 + VAT
  Over 35 years old: € 250,00 + VAT
- COURSE ON CEREBROVASCULAR SURGERY: TIPS AND TRICKS and Microvascular course hands-on - December 2 | 3 | 4, 2013
  Until 35 years old: € 450,00 + VAT
  Over 35 years old: € 550,00 + VAT

Please make reference to CEREBROVASCULAR SURGERY course.

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INVOICE HEADING: Society/Participant/Institution - Address - Zip code - Town - Country - Codice fiscale/ NIF/ Tax number/VAT number/Passport number (compulsory for invoicing)

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