

## Aortic Club Presents:

# Integrated & Inner Total Endovascular Aortic Arch Repair iTEAAR Academy

1<sup>st</sup> of April 2025 - Humanitas University Simulation Center

Chairman: Prof. Michele Antonello – Padova  
Scientific Coordinator: Prof. Efrem Civilini – Rozzano

- 10:00 – 10:10 Presentation of the Academy and Kick off – Prof. Antonello & Prof. Civilini
- 10:10 – 10:25 EACTS/STS Guidelines for diagnosing and treating acute and chronic syndromes of the aortic organ – **Aortic Arch**  
Chronic Aortic disease: Aneurysms & Dissections – Dott. Bonvini
- 10:25 – 10:40 FET as Standard of care, Literature review on: Prof. Igor Vendramin
- Mortality
  - Overall & Disabling Stroke
  - MAE (SCI, Dialysis, ICU Stay, Cardiac events, Endoleaks, Branch Patency, Retrograde Diss.)
- 10:40 – 10:50 Total Endovascular Repair of Aortic Arch – 20 years of history: Dott. David Barilla
- 10:50 – 11:30 TEEAR - Literature review on the last generation of Endovascular Devices:
- Zenith Arch Branch Stentgraft – Prof. Bertoglio
  - Najuta CMD Thoracic Stentgraft – Dott. Ferri
  - Relay Branch Stentgraft – Dott. Rossi
  - Nexus Platform Stentgraft – Prof. Antonello
- 11:30 – 12:05 Round Table 1: The Perfect Stentgraft for the Aortic Arch:  
Moderators Prof. Antonello & Prof. Civilini  
(Rate 1 to 5) poll with all the attendees:
- Integrated Branch for improved hemodynamic performance
  - Stent Graft To maximize conformability in ascending aorta
  - Low Profile delivery system
  - Stable connection and multiple anchoring points
  - Three vessels to replicate the anatomy of the native aorta
- 12:05 – 12:40 Round Table 2: The ideal Implantation Procedure for Reduce Stroke Risk and Aortic Arch Manipulation  
Moderators Prof. Antonello & Prof. Civilini  
(Rate 1 to 5) poll with all the attendees:
- 100% percutaneous treatment
  - No bridging stent introduction from any head vessel
  - Maximize air flushing
  - Minimize Arch Manipulation
  - Easy access
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12:45 – 13:15	Wrap up of the Round Tables and presentation of Nexus TRE: How this device could fit most your needs Alan Abilio - Endospan																
13:15 – 14:00	Light Lunch																
14:00 – 17:00	Hands on Training with simulators and C-Arm on Nexus TRE (N° 4 Groups of 3 Attendees each) <ul style="list-style-type: none"><li>• Hands on under C-ARM of a Nexus TRE (Tutors &amp; Artivion Specialists)</li><li>• Planning, sizing and Live in a Box of a Nexus TRE (Artivion Specialists)</li></ul>																
17:00 – 17:30	Wrap up of the Academy and delivery of the License as Nexus TRE approved center.																
Venue:	Humanitas University Simulation Center Via Rita Levi Montalcini 4 Pieve Emanuele (MI) 20072																
Faculty:	<table><tr><td>Prof. Efrem Civilini</td><td>Associate Professor of Vascular Surgery Humanitas Research Hospital</td></tr><tr><td>Prof. Michele Antonello</td><td>Associate Professor of Vascular Surgery University Hospital of Padova</td></tr><tr><td>Prof. Luca Bertoglio</td><td>Associate Professor of Vascular Surgery University Hospital of Brescia</td></tr><tr><td>Dott. Giovanni Rossi</td><td>Director of the Department Cardio-Toraco- Vascolare - ASST Lecco</td></tr><tr><td>Dott. Michelangelo Ferri</td><td>Department of Vascular Surgery A.O. Ordine Mauriziano - Torino</td></tr><tr><td>Dott. Stefano Bonvini</td><td>Director of the Department of Vascular Surgery APSS Trento</td></tr><tr><td>Prof. Igor Vendramin</td><td>Associate Professor of Cardiac Surgery ASU FC – Udine</td></tr><tr><td>Dott. David Barillà</td><td>Assistant Professor of Vascular Surgery Humanitas Research Hospital</td></tr></table>	Prof. Efrem Civilini	Associate Professor of Vascular Surgery Humanitas Research Hospital	Prof. Michele Antonello	Associate Professor of Vascular Surgery University Hospital of Padova	Prof. Luca Bertoglio	Associate Professor of Vascular Surgery University Hospital of Brescia	Dott. Giovanni Rossi	Director of the Department Cardio-Toraco- Vascolare - ASST Lecco	Dott. Michelangelo Ferri	Department of Vascular Surgery A.O. Ordine Mauriziano - Torino	Dott. Stefano Bonvini	Director of the Department of Vascular Surgery APSS Trento	Prof. Igor Vendramin	Associate Professor of Cardiac Surgery ASU FC – Udine	Dott. David Barillà	Assistant Professor of Vascular Surgery Humanitas Research Hospital
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## **Scientific rationale**

Last year, through the publication of the new EACTS / STS guidelines for the diagnosis and treatment of acute and chronic pathology of the Aorta, understood as an organ of the human body; A new and updated therapeutic path has been identified, suitable for the treatment of complex chronic pathology of the aortic arch (Aortic Arch Repair).

The new minimally invasive technologies (EAAR), which have appeared on the market in recent years, are proposed as an alternative to the more consolidated traditional surgical approach and through the Frozen Elephant Trunk technique, as the procedure of choice for this type of pathology.

It is therefore necessary to make a comparison between the different therapeutic solutions, in terms of outcomes such as Mortality, adverse events, and Stroke, which still remains the real Achilles' heel of this surgery.

The iEAAR Academy wishes to draw attention to these issues, offering a plural point of view on the different surgical and endovascular strategies, stimulating the comparison between different experiences and professionalisms (Endovascular Surgeon and Cardiac Surgeon) with the aim of reaching a consensus, in regarding the technical and procedural elements that can help minimize the risks of this surgery.

At the same time, we do not want to neglect a necessary "hands-on" approach to innovative materials, to the planning of the intervention, and to the "tips and tricks" shared by experts in the sector, who have gained significant experience with the most used devices.

At the end of this Academy, participants will have acquired the necessary skills to be able to treat patients suffering from complex pathologies of the aortic arch with greater safety, using Branched Custom Made endoprostheses.

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