



Hybrid treatment of aortic arch aneurysms.

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Introduction

Arch Aneurysms

Surgical SAT debranching issues

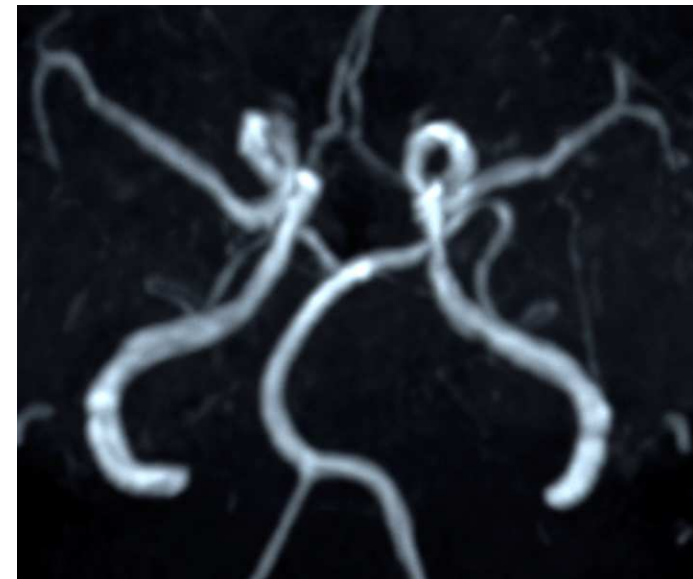
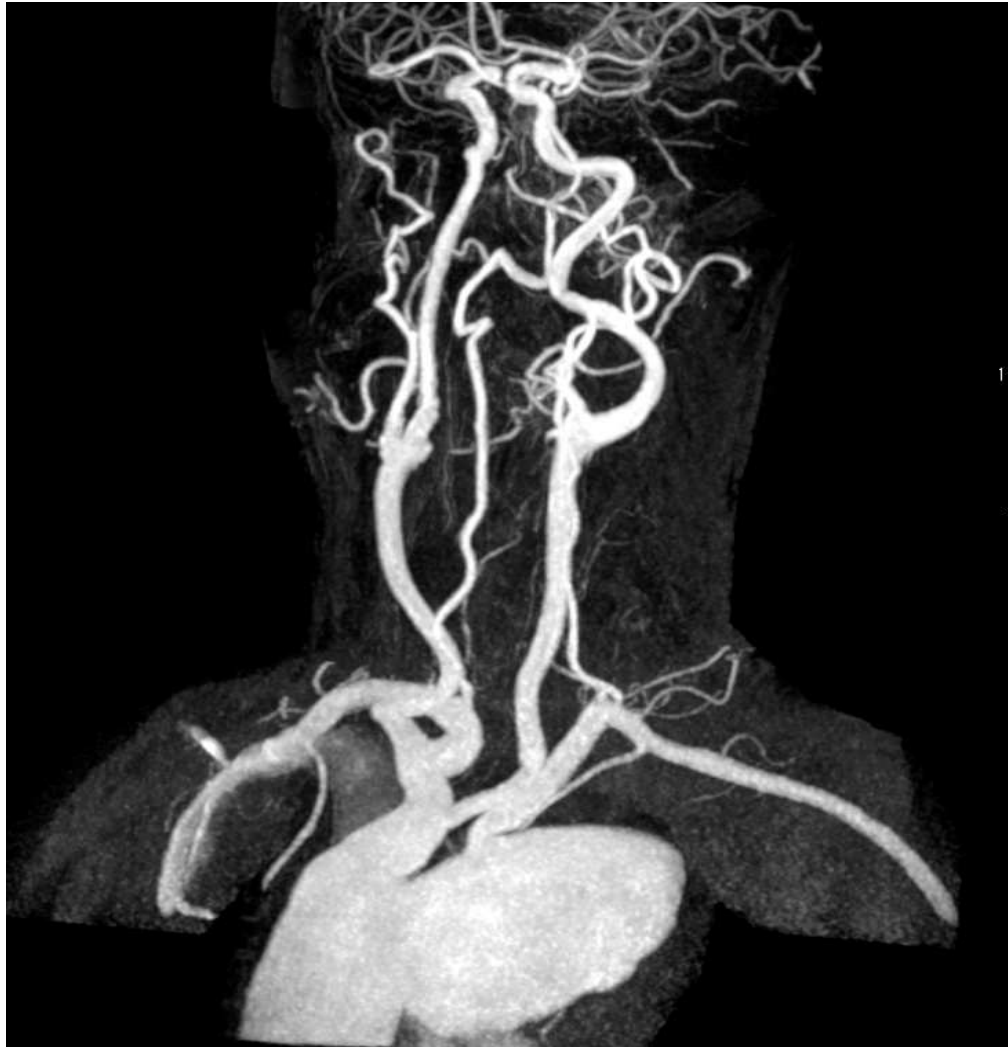
- Inflow site
- Avoid intraoperative cerebral hypoperfusion
- High risk patients

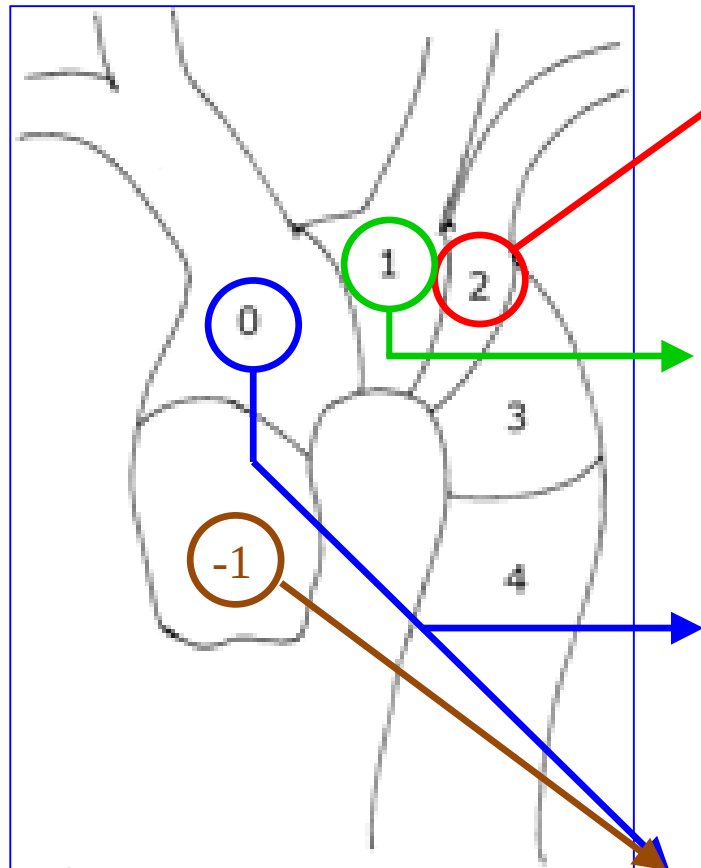
Endovascular aneurysm exclusion issues

- Access
- Landing zone
- Precise proximal deployment
- Anticoagulant therapy



Introduction





SUPRAAORTIC TRUNK

Inflow site (Left CCA)

SUPRAAORTIC TRUNK

Inflow site (Right CCA)

ASCENDING THORACIC AORTA

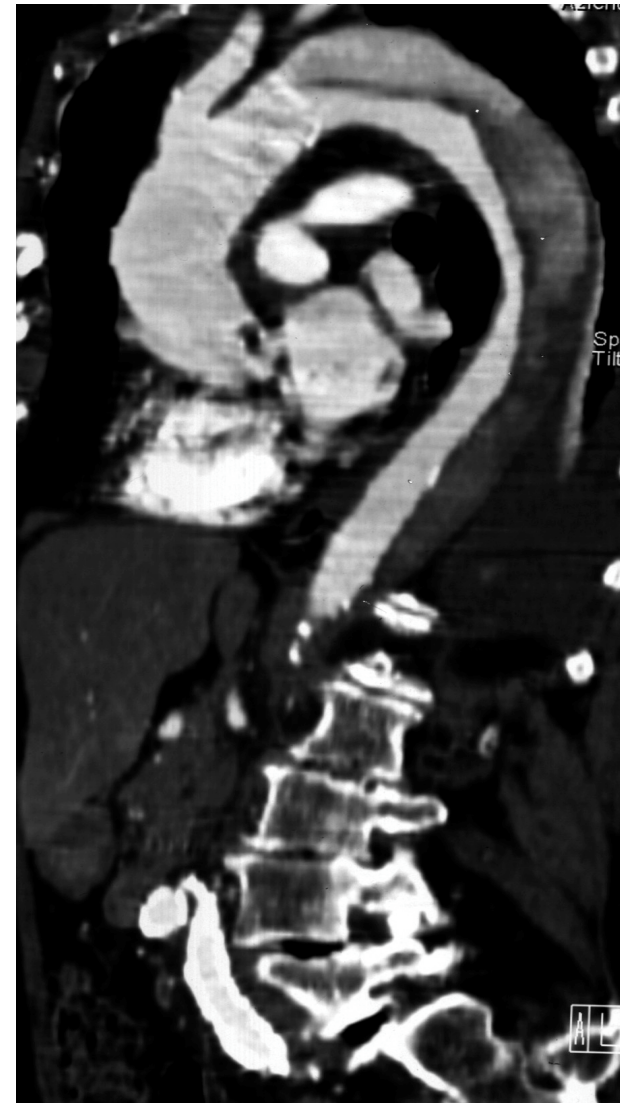
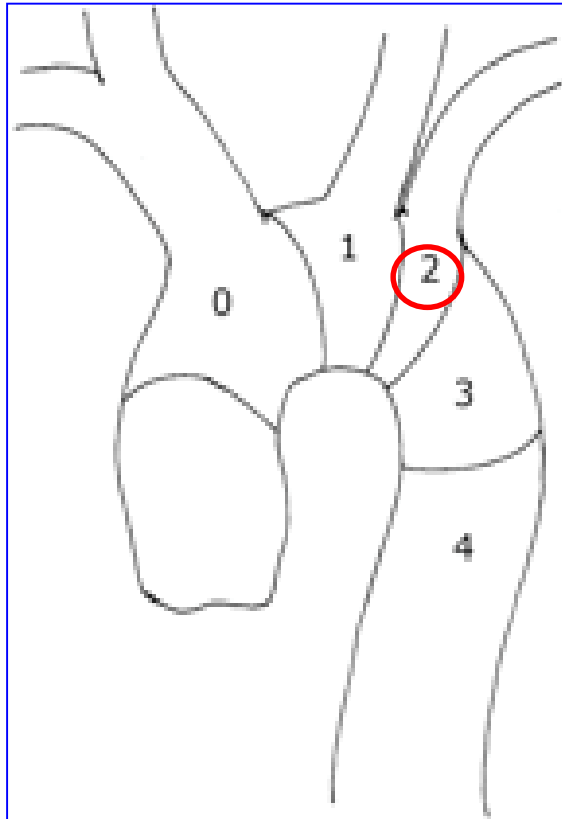
→ antegrade flow to SAT

DESCENDING THORACIC AORTA

→ retrograde flow to SAT

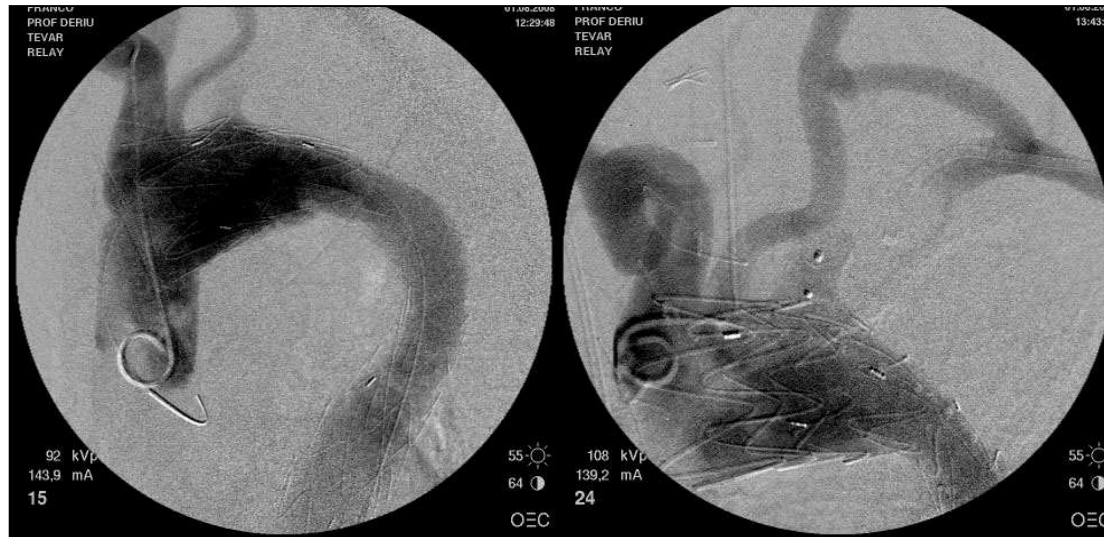
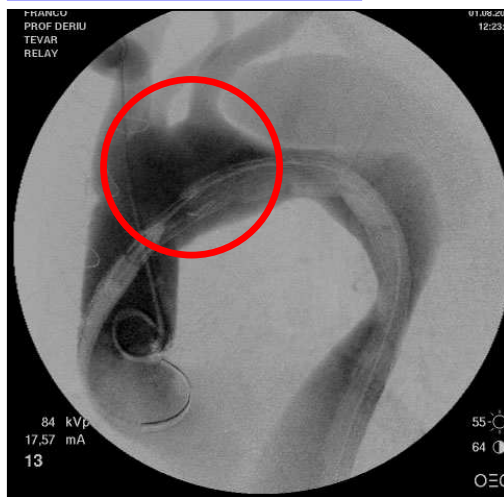
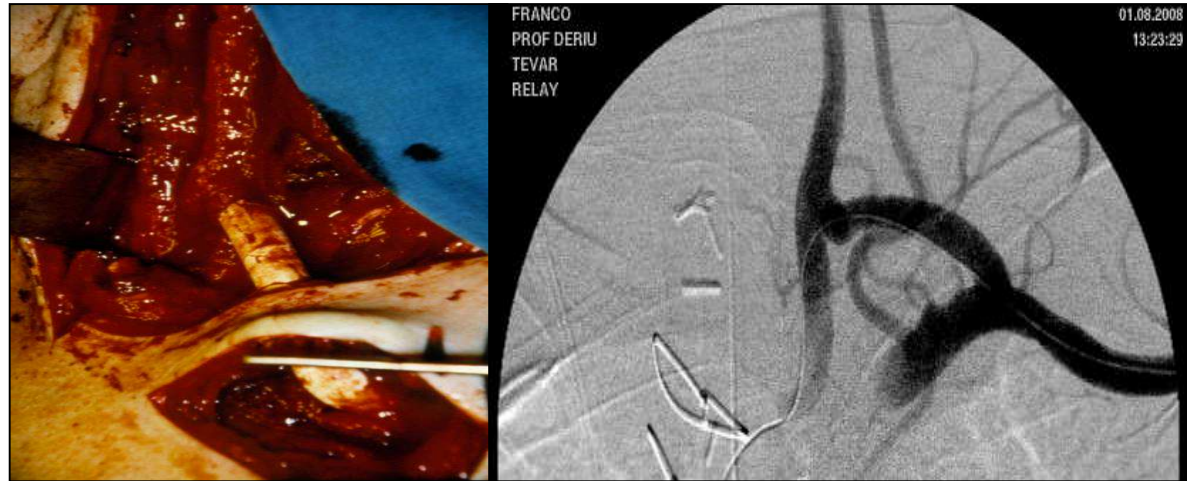
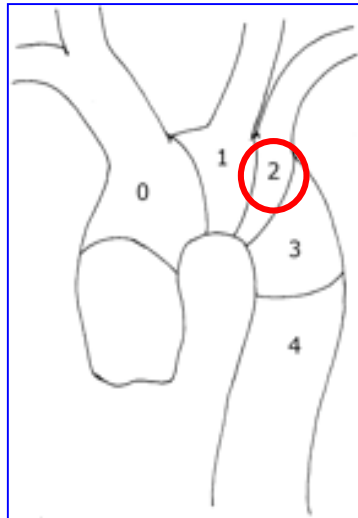


Inflow site: Left CCA



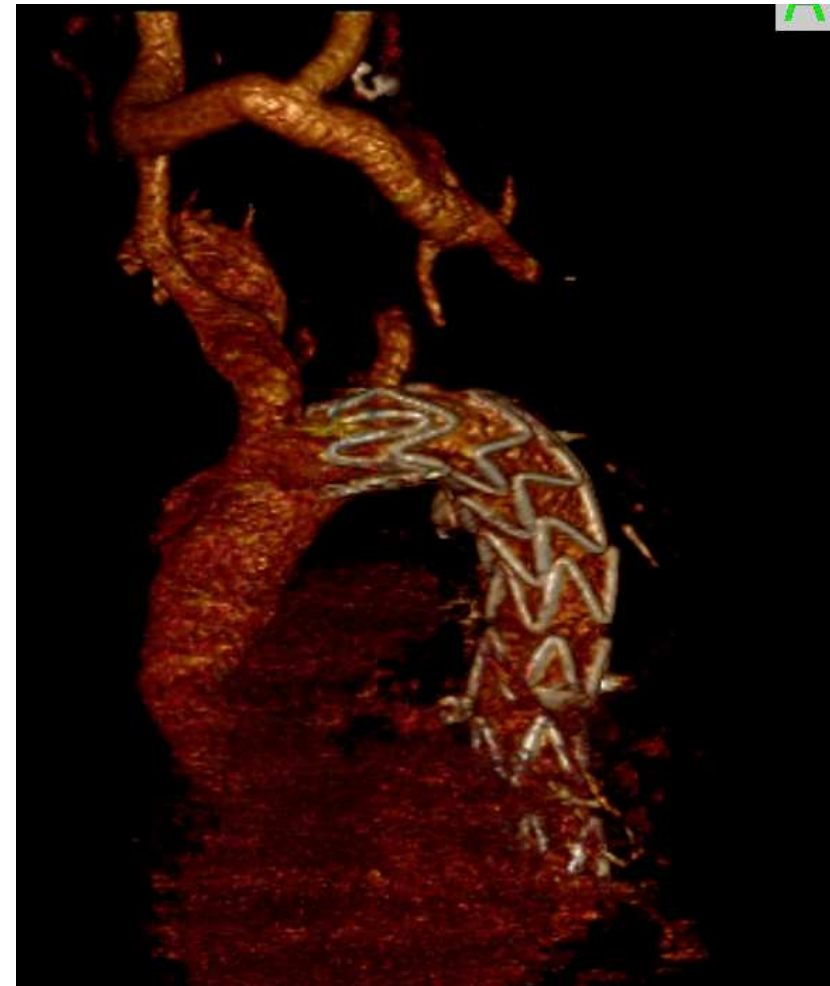
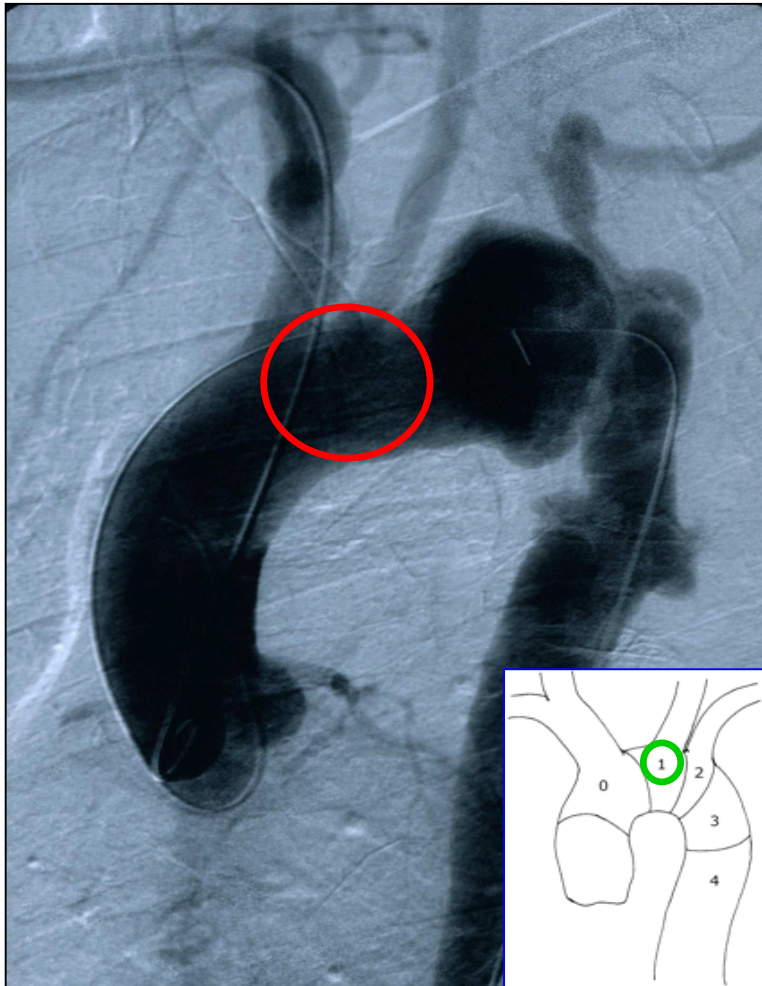


Inflow site: Left CCA



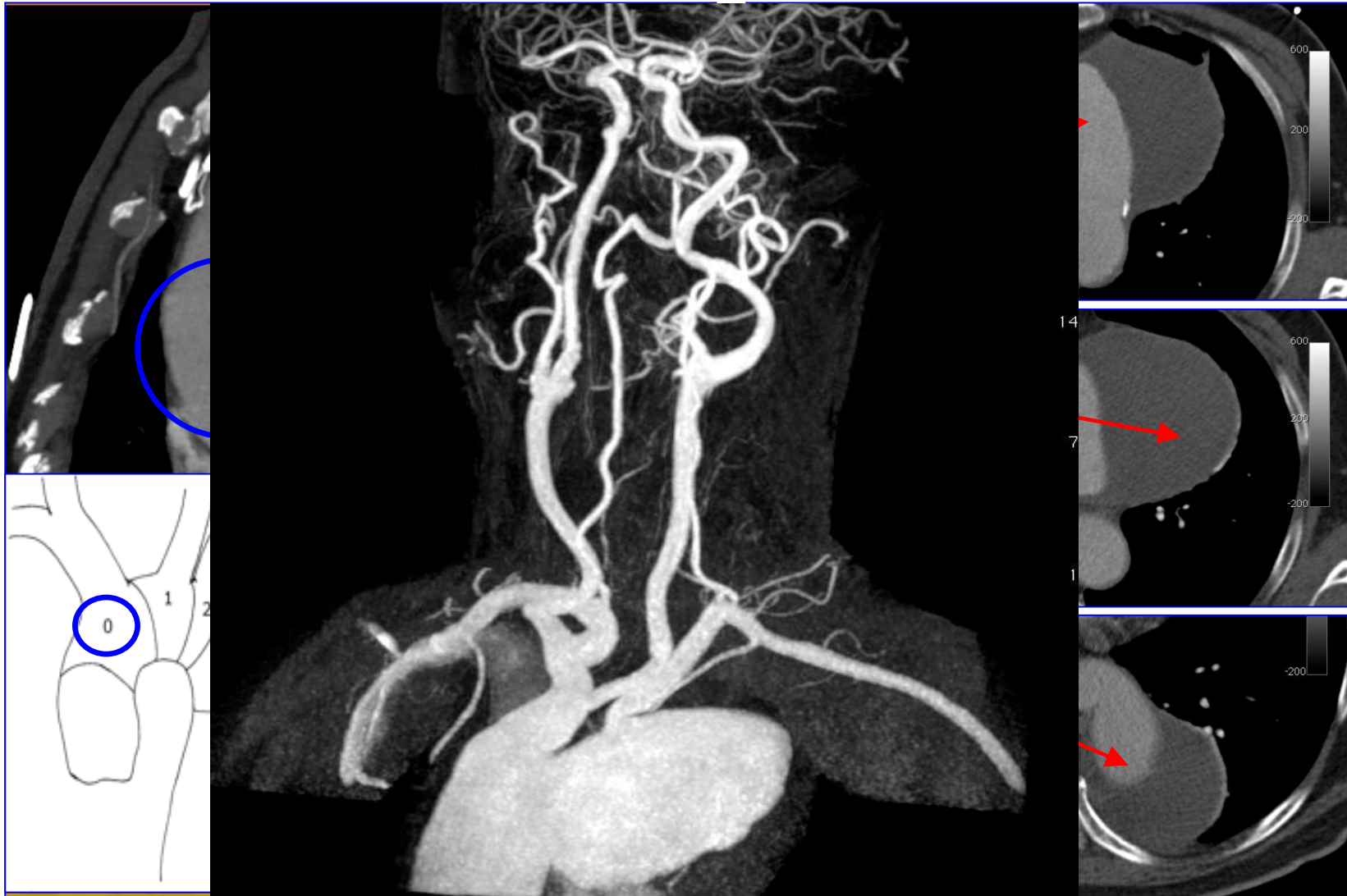


Inflow site: Right CCA



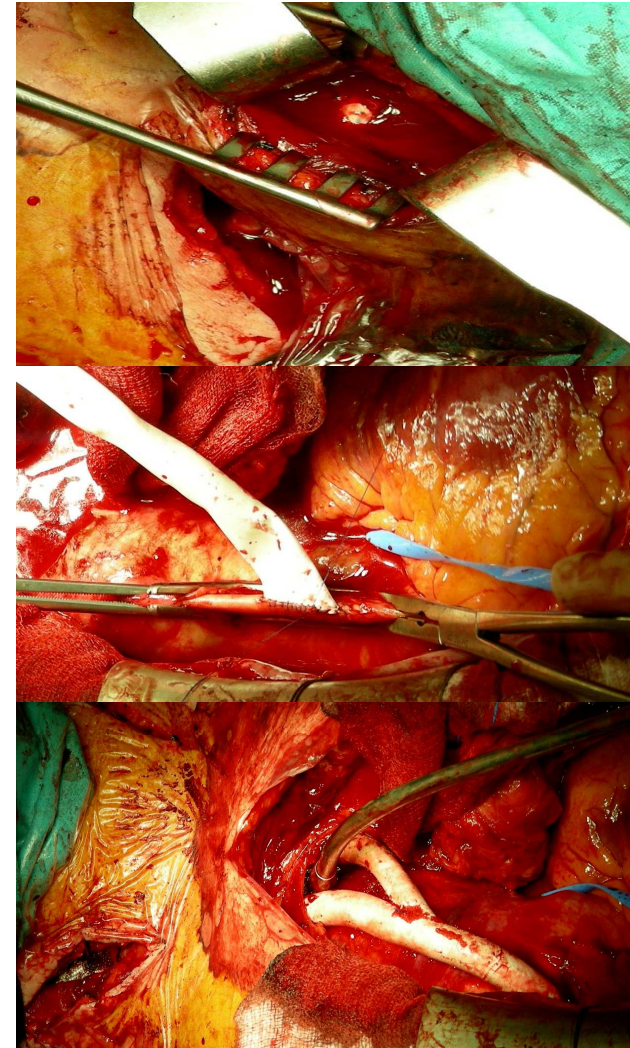
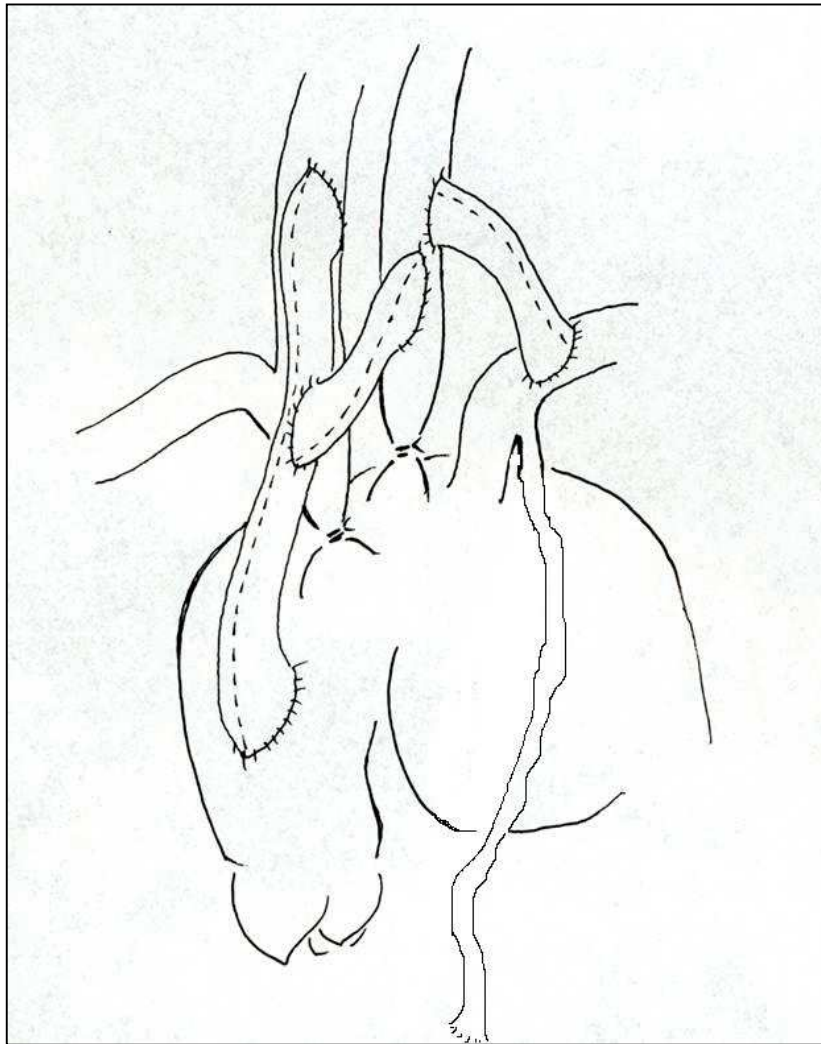


Inflow site: ascending thoracic Aorta



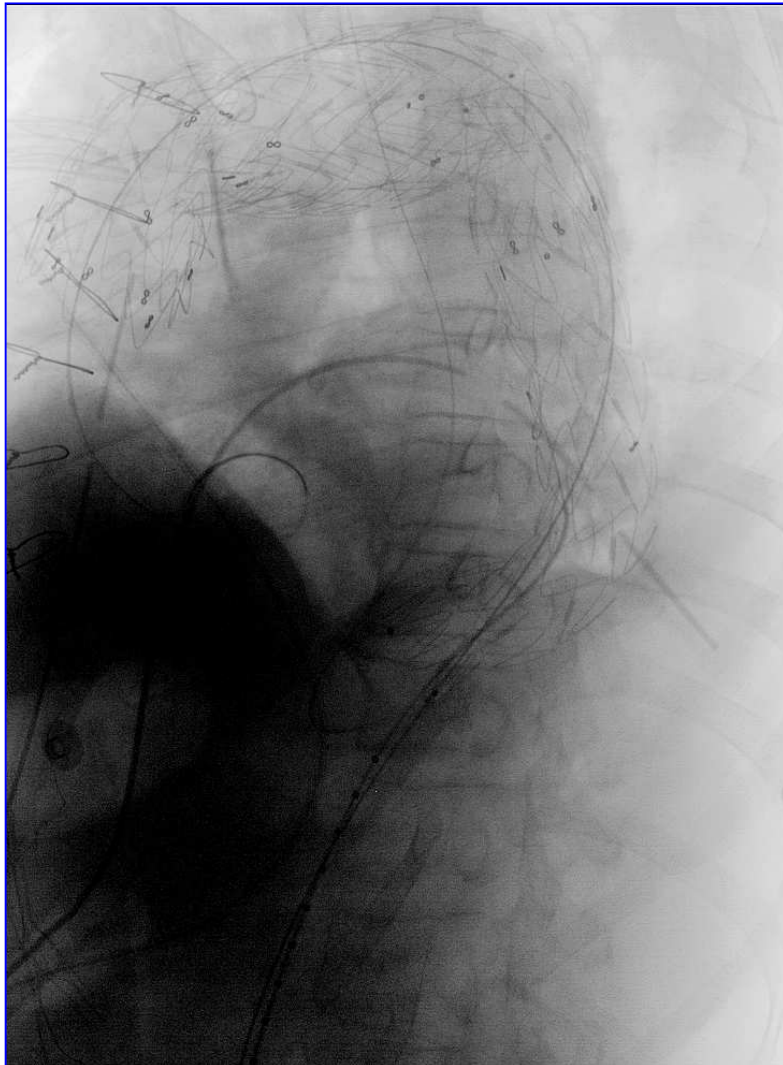


Inflow site: ascending thoracic Aorta



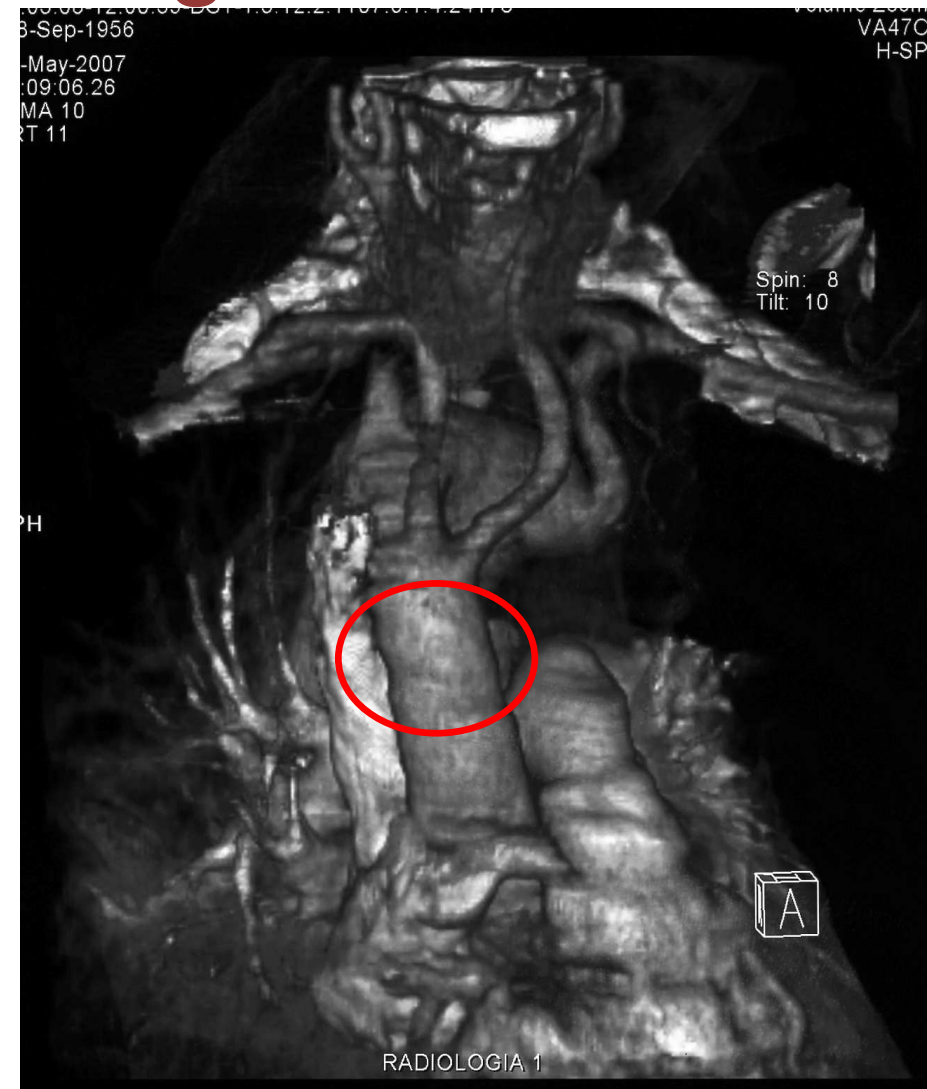
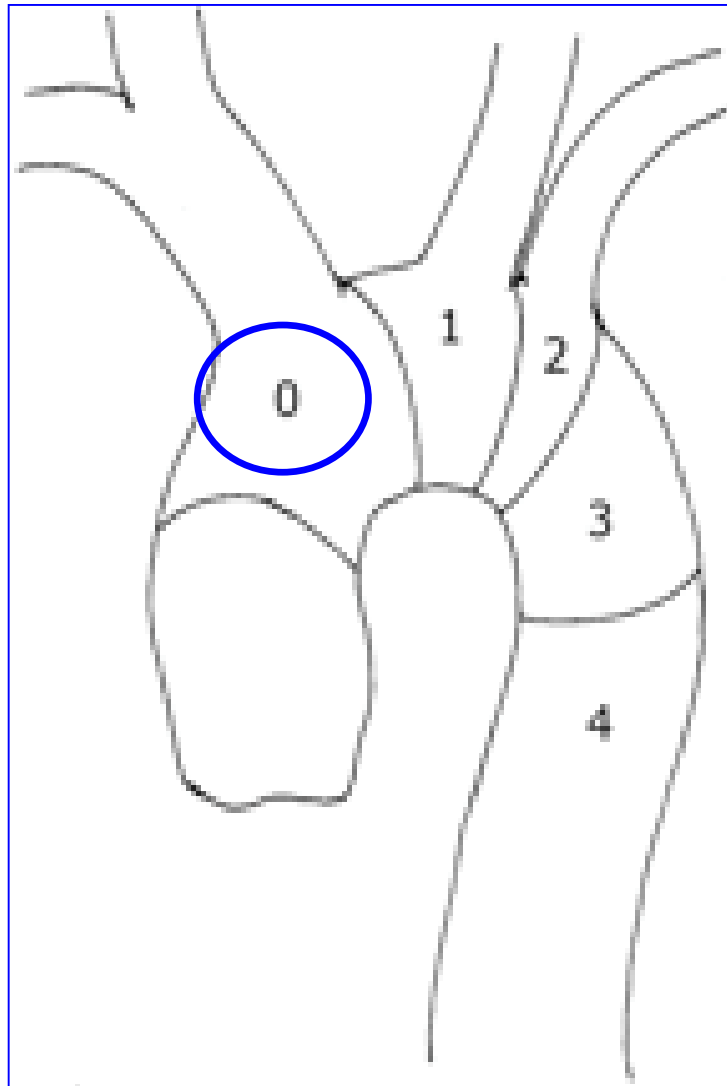


Inflow site: ascending thoracic Aorta



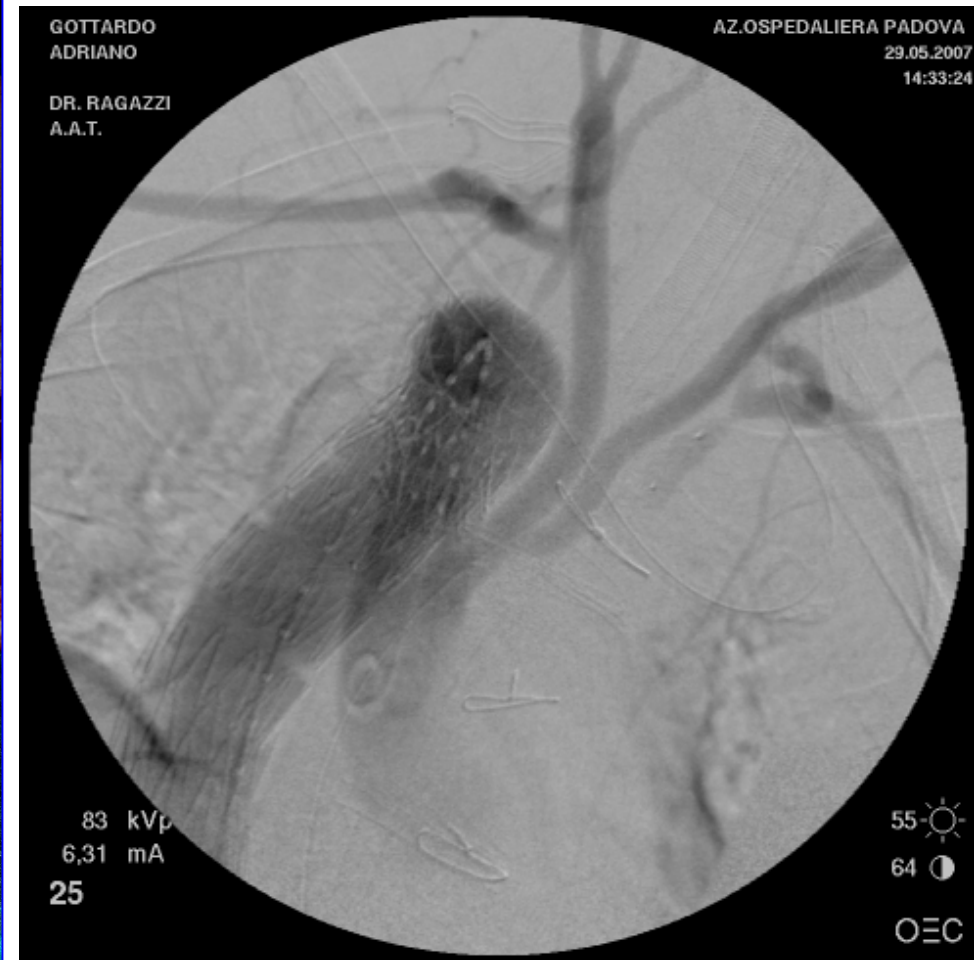
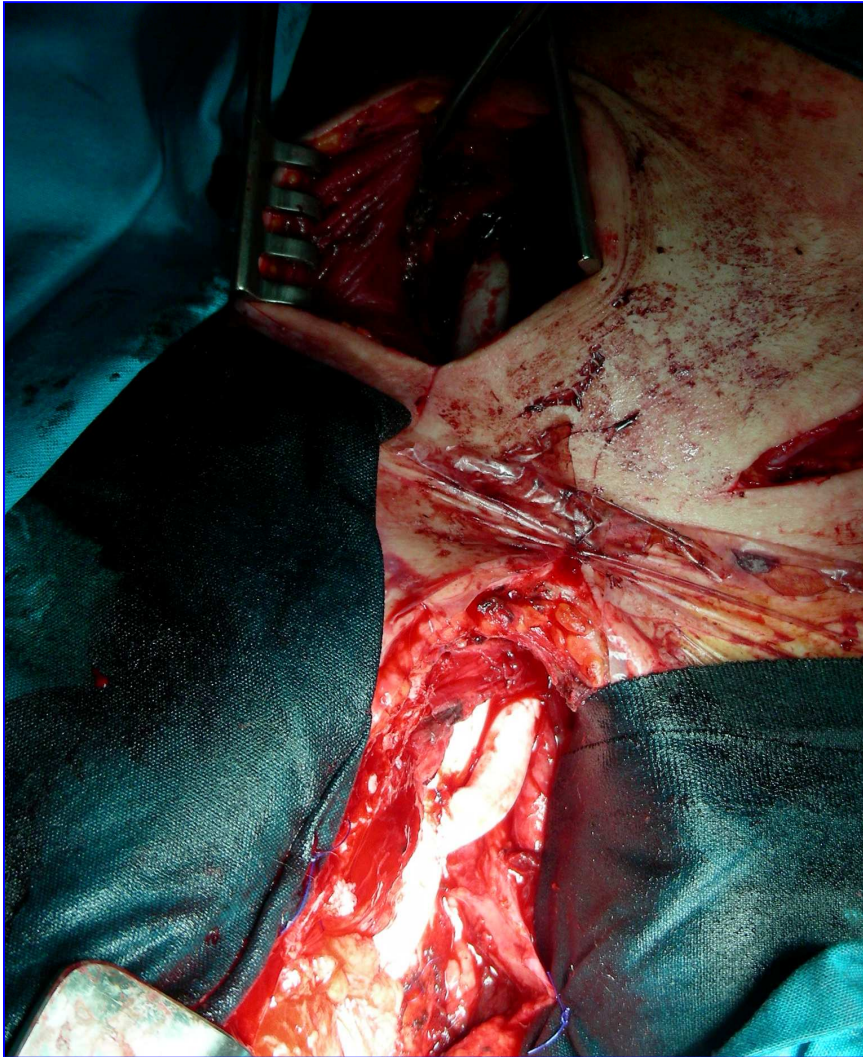


Inflow site: ascending thoracic Aorta





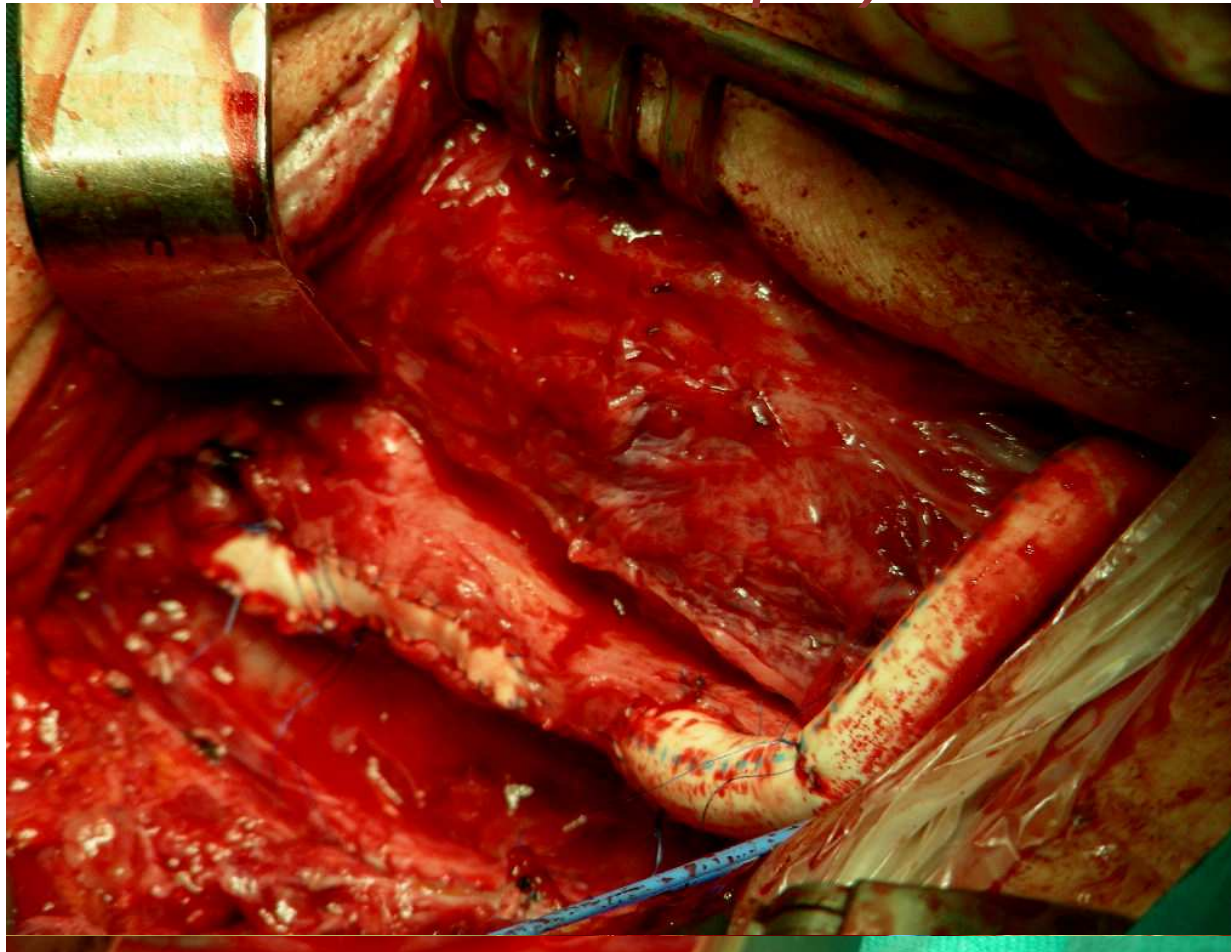
Inflow site: ascending thoracic Aorta





Inflow site: descending thoracic Aorta

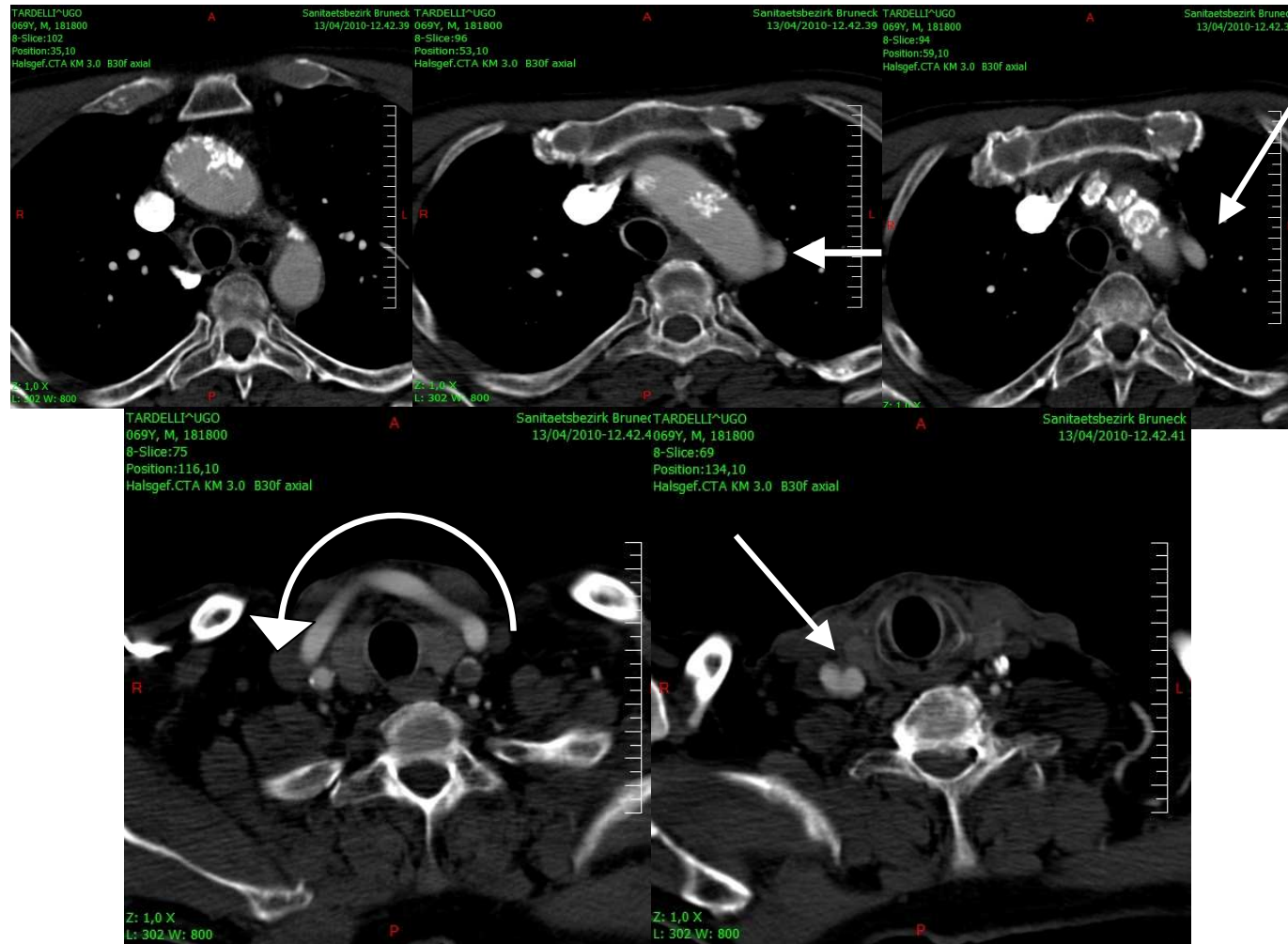
(technical aspect)





Inflow site: descending thoracic Aorta

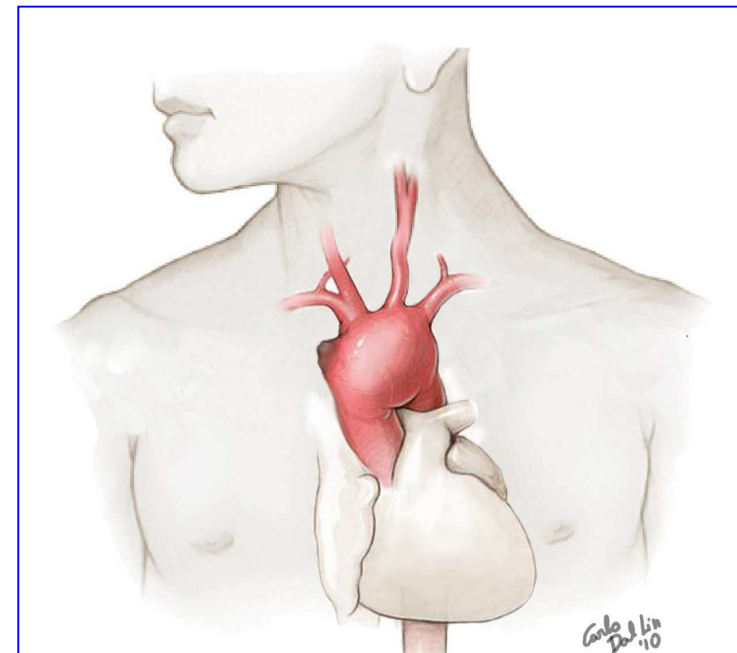
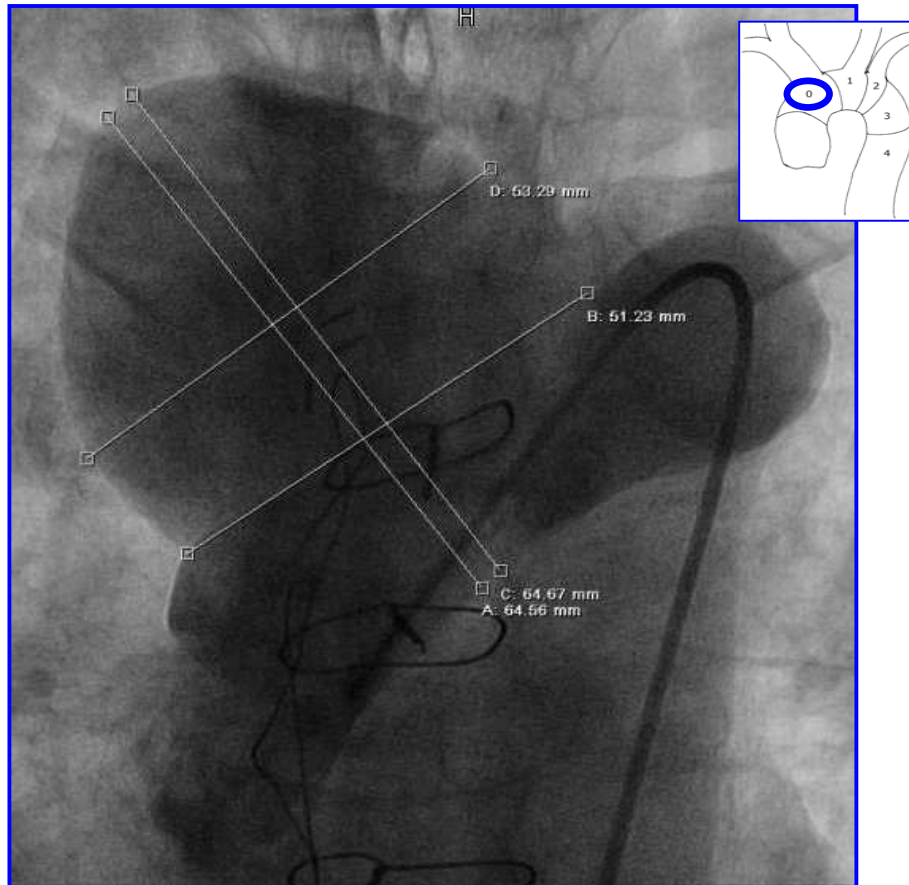
(technical aspect)





Inflow site: descending thoracic Aorta

(complex case)





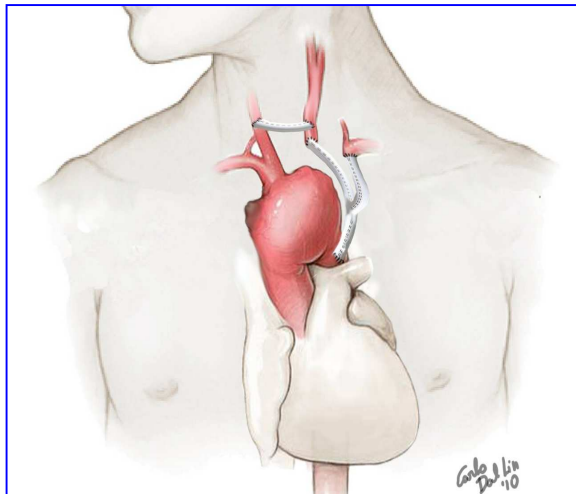
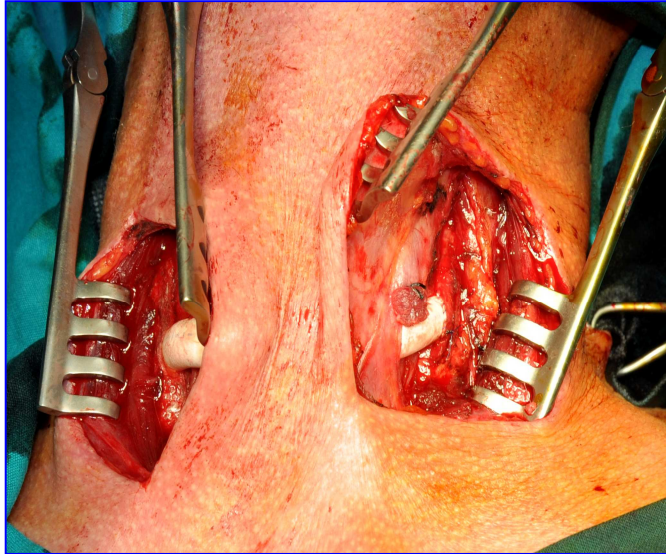
Inflow site: descending thoracic Aorta

(complex case)



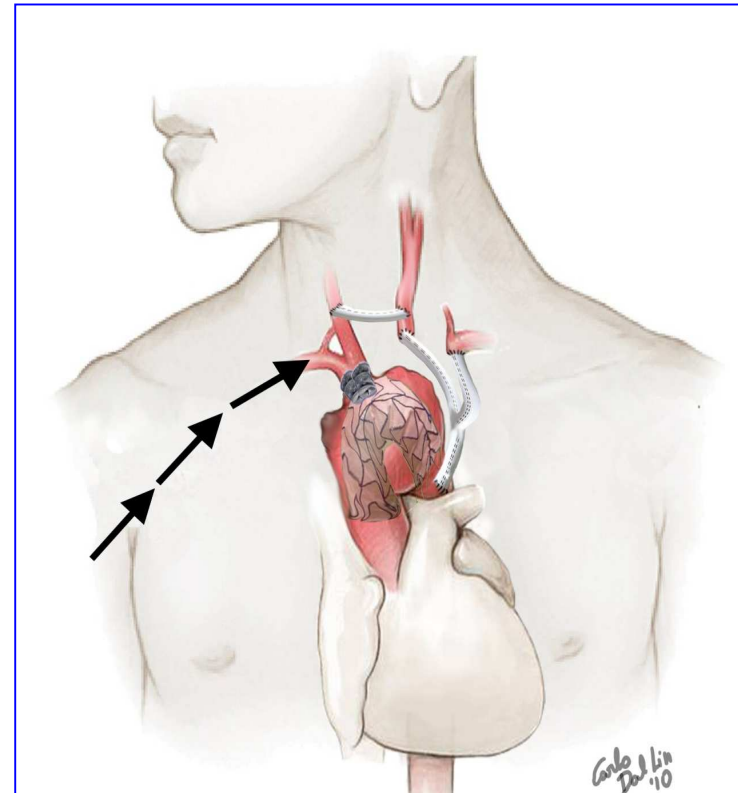
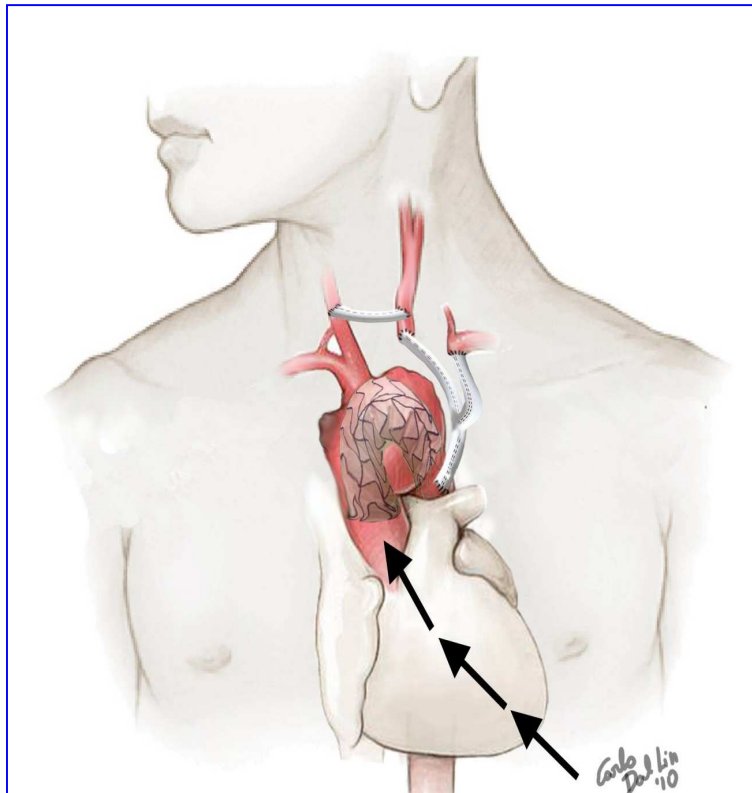


Inflow site: descending thoracic Aorta





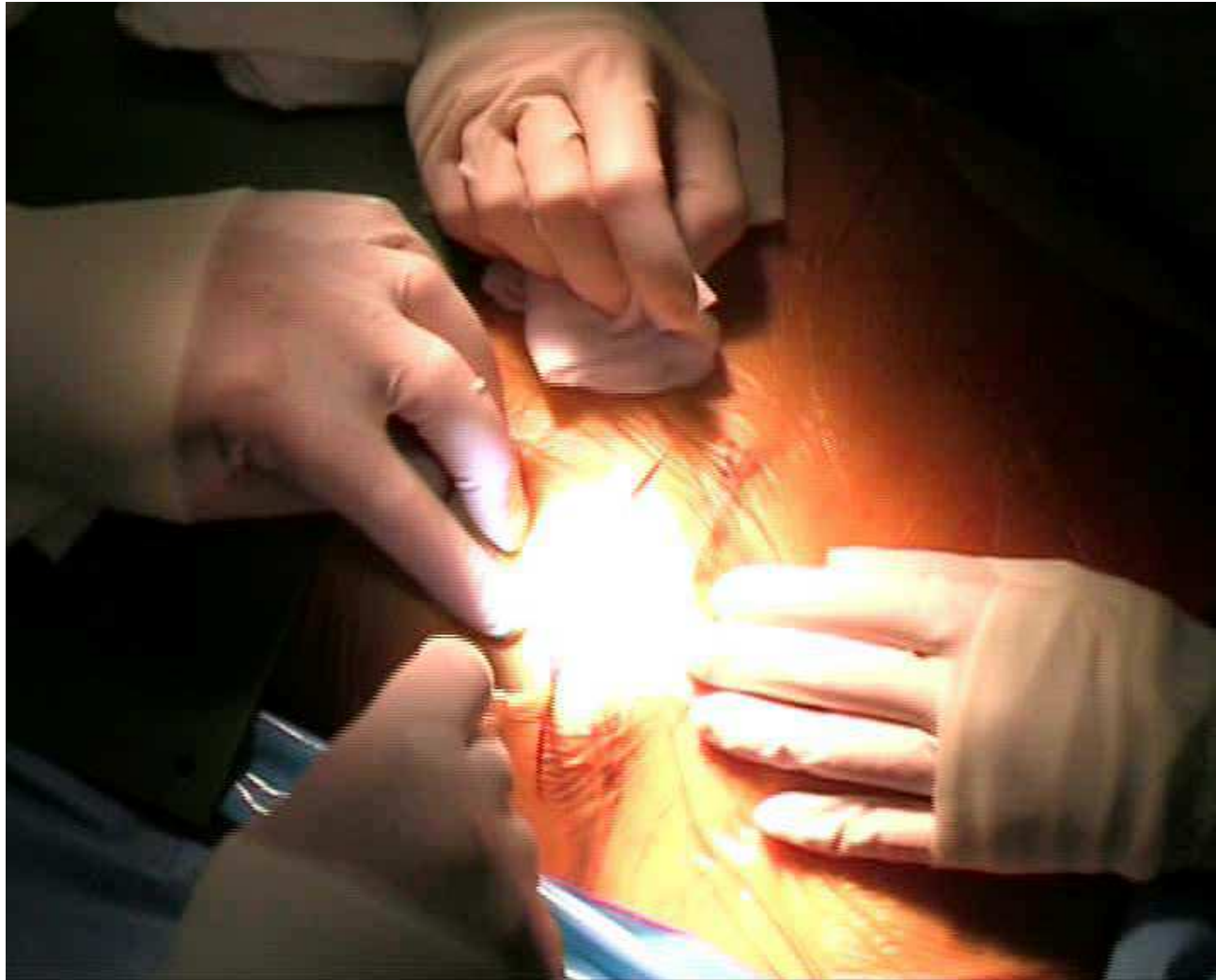
Inflow site: descending thoracic Aorta



Transapical deployment of endovascular thoracic aortic stent graft for an ascending aortic pseudoaneurysm.
Szeto WY, Moser WG, Desai ND, Milewski RK, Cheung AT, Pochettino A, Bavaria JE *Ann Thorac Surg.* 2010 Feb;89(2):616-8.



Inflow site: descending thoracic Aorta





Inflow site: descending thoracic Aorta





Partial debranching with Chimney technique





Total debranching with Chimney technique





CONCLUSIONS

Extra anatomic SAT trunk revascularization, when possible, represent a valid procedure with low operative risk and excellent short and long term results.

In more complex cases where complete SAT debranching is needed, anatomic bypass surgery from the ATA or DTA are usually possible with an accurate preoperative planning.

In case of very high risk patients, partial or total endovascular debranching using Chimney technique represents a valid option to be considered.



Thank you

The poster for the VIP Congress Europe Meets North America features a world map background. The text "VIP" is large and blue, followed by "Vascular International Padova CONGRESS" and "EUROPE MEETS NORTH AMERICA" in blue. Below this, it states: "State of the art and future perspective in vascular and endovascular surgery, lectures and round tables by an outstanding international faculty, free abstract session and awards for the best presentations". The chairmen are listed as Prof. Giovanni Deriu and Prof. Franco Grego. The scientific secretariat includes M. Menegolo MD, M. Piazza MD, and M. Antonello MD. The organizing department is the Department of Cardiac, Thoracic and Vascular Sciences, Section of Vascular and Endovascular Surgery, University of Padua, Italy. The event is scheduled for Padua 2014, June 26th-27th-28th.

VIP
Vascular International Padova
CONGRESS
EUROPE
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Padua 2014
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