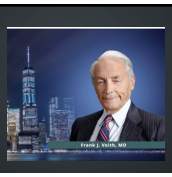
GREAT HONOR to be HERE !

VEITH *SYMPOSIUM*
NY - 2024



The Vascular World Is
Coming Together In New York
In November 2024
And You're Invited!

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Connecting The Vascular Community

POTENTIAL CONFLICTS

PROCTOR FOR COOK MEDICAL- USA

PROCTOR FOR E.TAMUSSINO – BRASIL

PROCTOR FOR SCITECH – BRAZIL

marceloferreira1959@gmail.com

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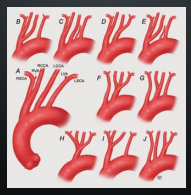
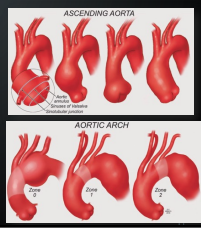
Retrograde Inner Branched Devices (From Cook) To Treat Aortic Arch Lesions: Indications, Value, and Technical Tips And Initial Experience

Marcelo Ferreira, MD

CHALLENGES

1- AORTIC ARCH ANATOMY
2- NECK AVAILABILITY





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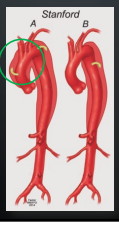
Retrograde Inner Branched Devices (From Cook) To Treat Aortic Arch Lesions: Indications, Value and Technical Tips And Initial Experience

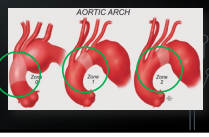
Arch involvement and It's importance

CHALLENGES

1- AORTIC ARCH ANATOMY

2- NECK AVAILABILITY





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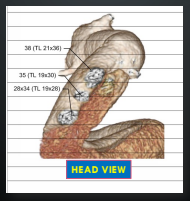
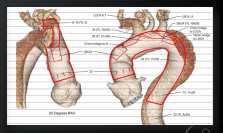
Retrograde Inner Branched Devices (From Cook) To Treat Aortic Arch Lesions: Indications, Value and Technical Tips And Initial Experience

The decision needs
a very good quality
CT-scan
and
a lot of experience
To analysis it





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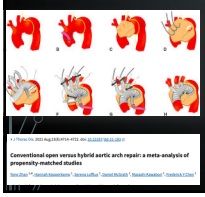
THE GOLD STANDAR

Issues with open/hybrid arch repairs



Conventional open versus hybrid aortic arch repair: a meta-analysis of propensity-matched studies

Outcomes

- Operative survival – 95-98%
- Stroke – 2-14%
- Renal failure – 2-5%
- Bleeding complications 5-13%

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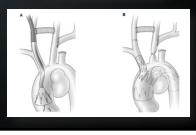
WHEN AND HOW

WE STARTED

Endovascular Repair of the Aortic Arch

Timothy A. M. Chuter, DM, and Darren B. Schneider, MD

2007



Endovascular Repair of the Aortic Arch
Timothy A. M. Chuter, DM, and Darren B. Schneider, MD

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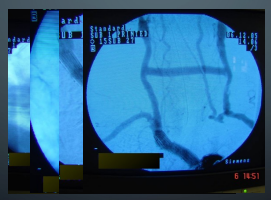
SURGICAL STEPS



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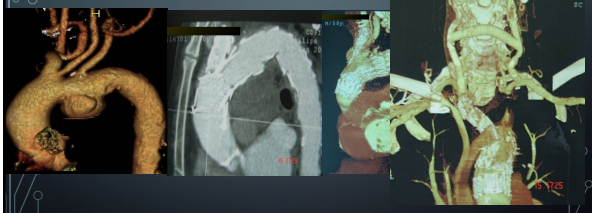
How it looks in Ct scan P.O.



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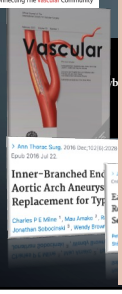

Inner-Branched End
Aortic Arch Aneurys
Replacement for Typ

ARTICLE HIGHLIGHTS

- **Type of Research:** A multicenter, retrospective study
- **Key Findings:** A total of 39 patients (31 men [79%]; mean age, 70 ± 7 years) had undergone treatment of 14 degenerative (36%) and 25 chronic (64%) post-dissection arch aneurysms with a three-vessel inner branch stent-graft. Technical success was achieved in all 39 patients. Two patients died in-hospital (5%) and two experienced a stroke (5%). The combined mortality and any stroke rate was 8% (n = 3). Of the 39 patients, 12 (31%) had required secondary interventions. No retrograde type A dissection occurred.
- **Take Home Message:** The results from the present multicenter global experience have demonstrated the technical feasibility and safety of total endovascular aortic arch repair for aneurysms and chronic dissections using three-vessel inner branch stent-grafts. The mortality and stroke rates compare favorably to those after open surgical repair in a higher risk group.

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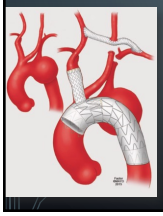
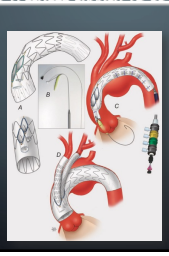
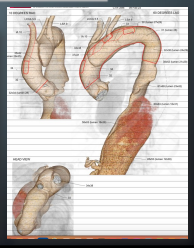
EVOLUTION OF A SINGLE BRANCH TO 03 ARCH BRANCHES





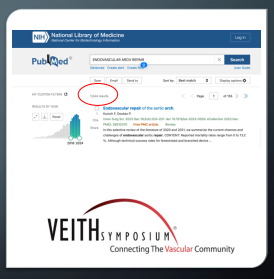


AORTIC ARCH TREATMENT HAS EVOLVED

MORTALITY AND STROKES RATES

ARE

SIMILAR IN SOME CENTERS AS PER OPEN SURGERY



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AORTIC ARCH TREATMENT HAS EVOLVED

MORTALITY AND STROKES RATES ARE SIMILAR IN SOME CENTERS AS PER OPEN SURGERY

EDITORIAL
AORTIC ARCH

Endovascular arch repair: where do we stand?
An editorial introduction

Gustavo S. ODERICH *

Endovascular aortic arch repair has and will continue to have an increasing role in the treatment of patients with arch aneurysms and dissections. Despite numerous reports and a wealth of literature on this topic, great deal of controversy remains among experts in the field about the use of these techniques, selection criteria, cerebral protection and which design is best applicable to each anatomy. Treatment

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FIRST PUBLICATION IN THE WORLD LITERATURE

Technical Aspects of Exclusive Transfemoral Route for Total Endovascular Arch Repair

A Custom-Made Device With Only Upward-Facing Inner Branches for Aortic Arch Treatment AQ1

Marcelo Ferreira, MD[1], Matheus Mannarino, MD[1], Rodrigo Cunha, MD[1], Diego Ferreira, MD[1], Luiz Fernando Capotorto, MD[1], and Guilherme Mannarino, MD[1]

[1] Department of Vascular and Endovascular Surgery, SITE Endovascular, Rio de Janeiro, Brazil

Corresponding Author:

Marcelo Ferreira, Department of Vascular and Endovascular Surgery, SITE Endovascular, Rua Siqueira Campos 59, Copacabana, Rio de Janeiro, 22031-071, Brazil. Email: marceloferreira1959@gmail.com

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FIRST CASE REPORTED.

NOW WE HAVE 05 CASES SELECTED FOR THIS DEVICE WITH 100% SURVIVAL AND NO NEUROLOGICAL DEFICITS.

IT'S A VERY INITIAL EXPERIENCE !!!

Purpose:

The purpose was to demonstrate a new arch endograft configuration to allow total endovascular aortic arch repair exclusive from transfemoral approach.

Technique:

The custom-made multi-branched arch endograft (Cook Medical, Bloomington, Indiana) features 3 inner branches (IBs) for supra-aortic vessels incorporation and complete endovascular arch repair. Traditionally, the innominate and left carotid branches are anterograde IBs, requiring upper access for incorporation of these vessels, and the left subclavian branch is an upward-facing IB that can be incorporated from transfemoral access. We report a novel device configuration with only upward-facing IBs, allowing exclusive transfemoral route for total endovascular arch repair. Technical aspects, implantation technique, and limitations are described thoroughly.

Conclusion:

Herein is described an arch endograft configuration that simplifies endovascular aortic arch repair, allowing supra-aortic vessel incorporation through a transfemoral route only. This innovative design may serve as another alternative in selected patients. AQ2

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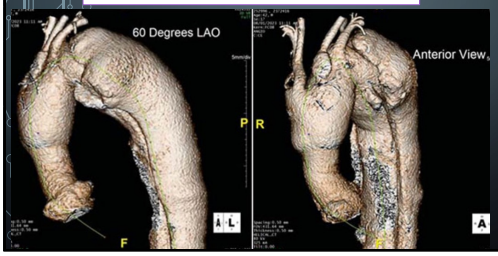
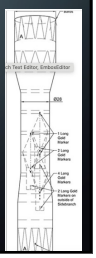
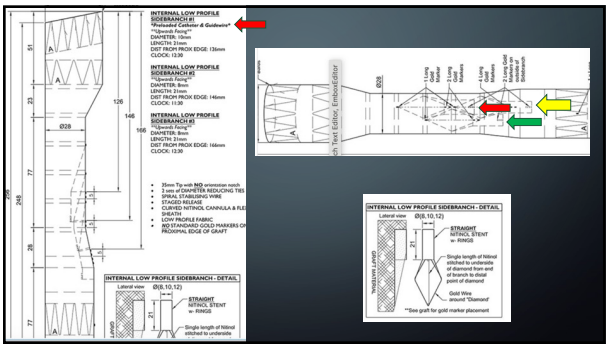
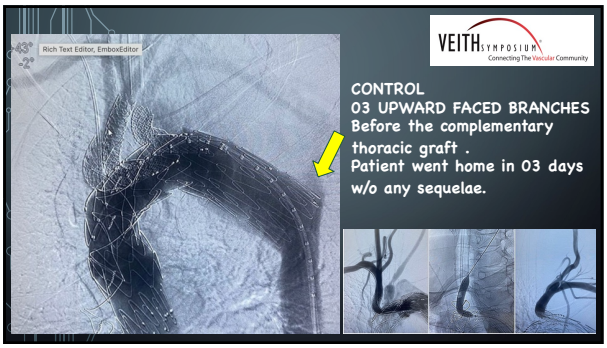
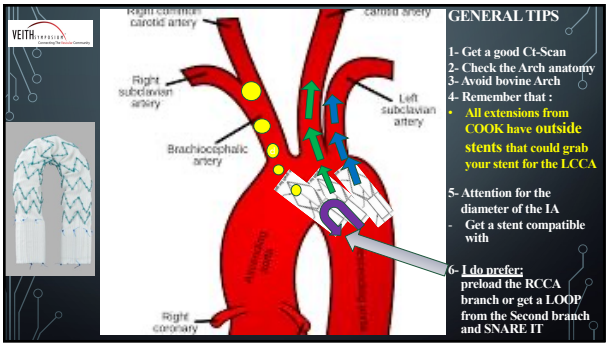
Aortic arch endografting with inverted branches

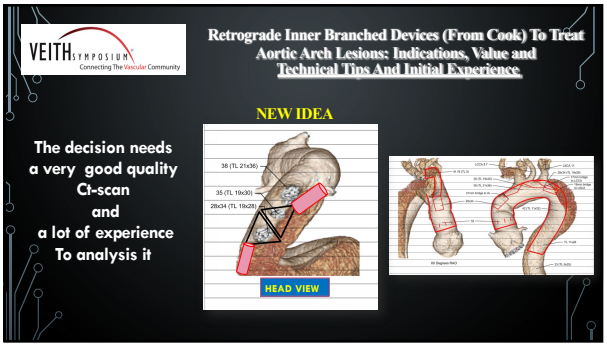









Right common carotid artery
Carotid artery
Right subclavian artery
Left subclavian artery
Brachiocephalic artery
Right coronary
GENERAL TIPS
1- Get a good Ct-Scan
2- Check the Arch anatomy
3- Avoid bovine Arch
4- Remember that :
• All extensions from COOK have outside stents that could grab your stent for the LCCA
5- Attention for the diameter of the IA
- Get a stent compatible with
6- I do prefer: preload the RCCA branch or get a LOOP from the Second branch and SNARE IT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Connecting The Vascular Community
Retrograde Inner Branched Devices (From Cook) To Treat Aortic Arch Lesions: Indications, Value and Technical Tips And Initial Experience
NEW IDEA
The decision needs a very good quality Ct-scan and a lot of experience To analysis it
HEAD VIEW


SAVE THE DATE
SIMPÓSIO
aorta
2025
2025
Simpósio Aorta


VEITH SYMPOSIUM
Connecting The
THANK YOU FOR YOUR KIND ATTENTION
MARCELOFERREIRA1959@GMAIL.COM