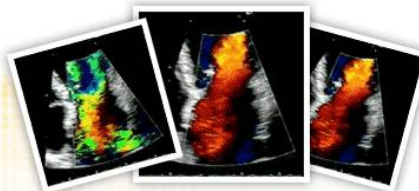
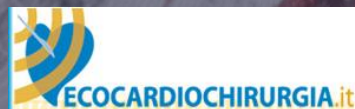


# TRATTAMENTO ENDOVASCOLARE DELLE DISSEZIONI CRONICHE DI TIPO B (TBCD)

Tommaso Donati  
Chirurgia Vascolare  
AO San Paolo

Milano Ottobre 2012



Azienda Ospedaliera  
SAN PAOLO

# EVOLUTION OF TYPE B DISSECTIONS

- Majority of **uncomplicated** type B dissections
  - 1-10% in-hospital mortality
- **Long term prognosis** far less optimistic
  - Survival rates 48% to 82% after 5 years
- Large percentage of mortality **aorta-related**
  - Aortic rupture or extension of the dissection



# DISSEZIONI CRONICHE COMPLICATE

Pazienti nella maggior parte dei casi **asintomatici**

La principale complicazione è rappresentata dall'**evoluzione aneurismatica.**

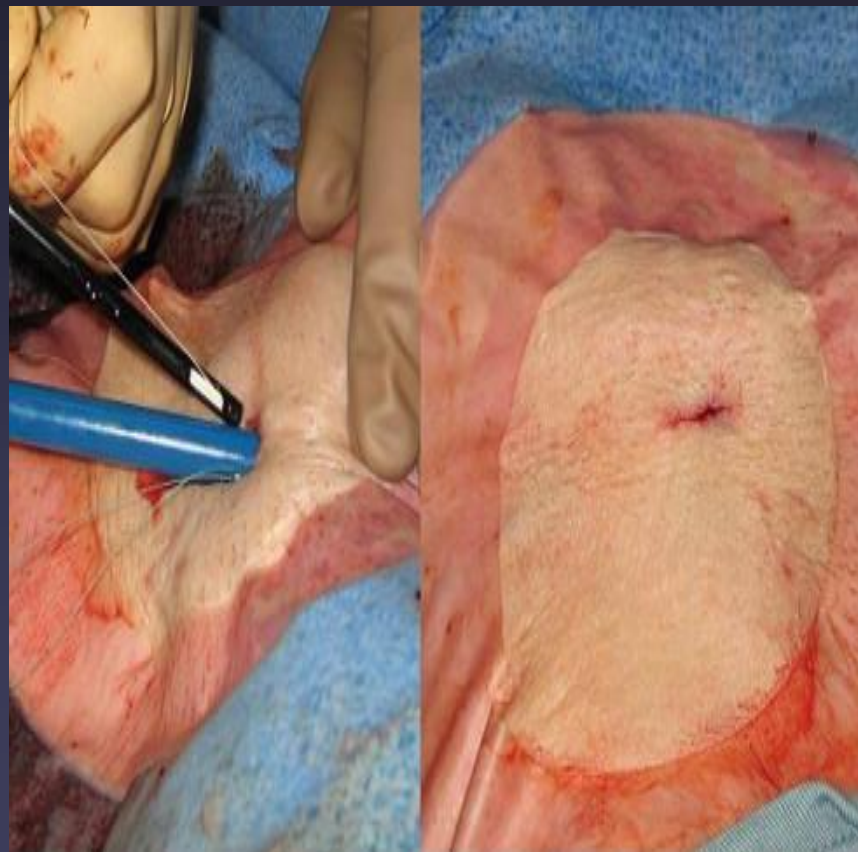
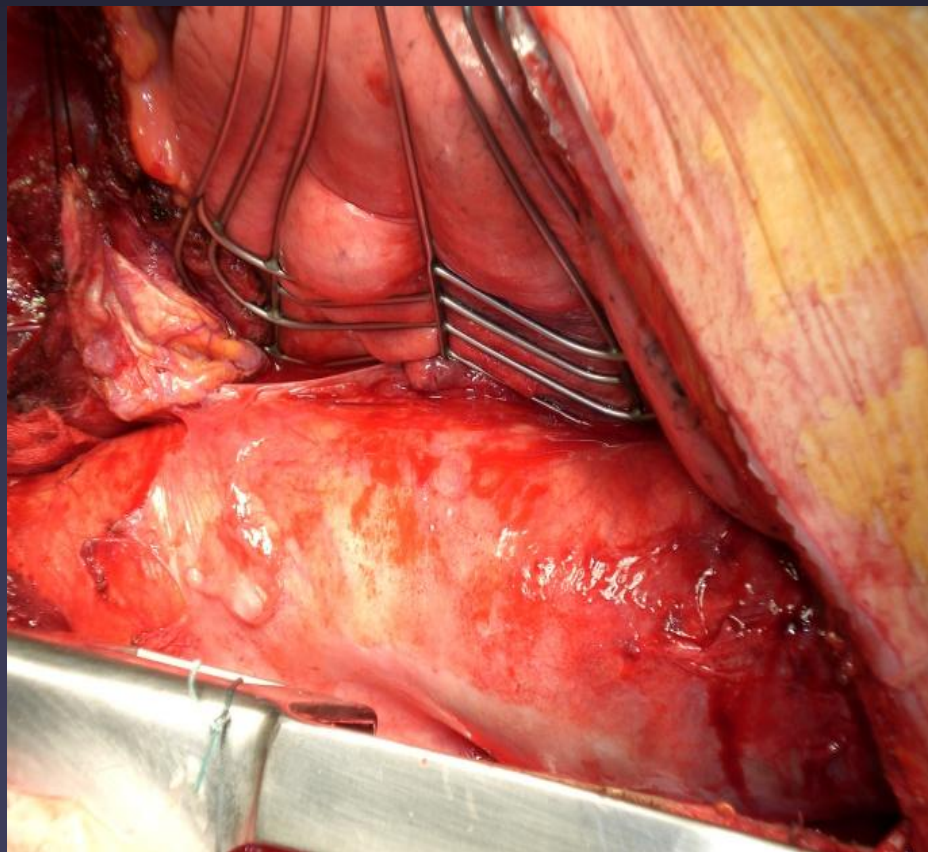


# DISSEZIONI CRONICHE COMPLICATE

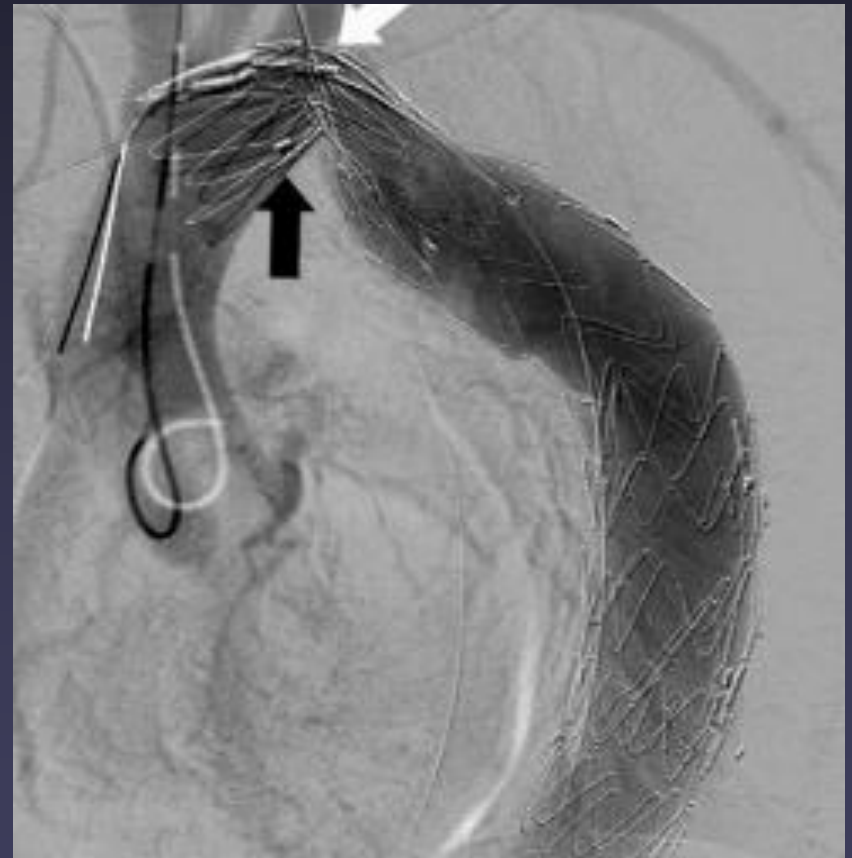
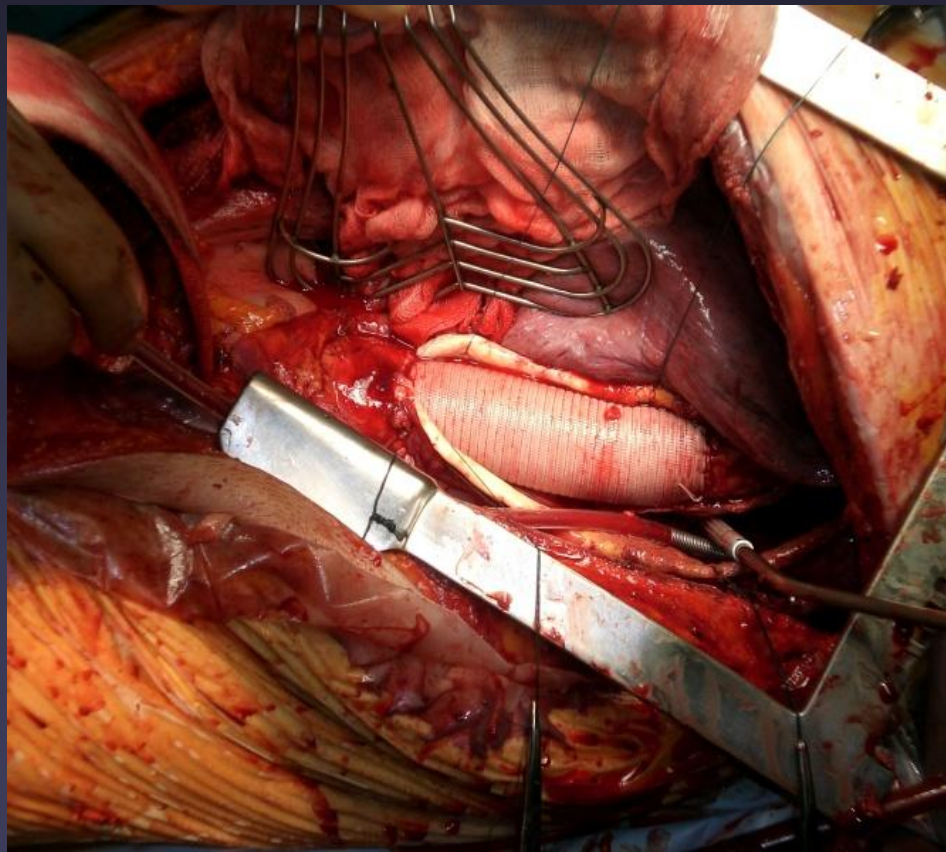
Condizioni quali una **malperfusion** tardiva, **versamento** pleurico e **dolore** persistente, sono relativamente rare (acute on chronic).



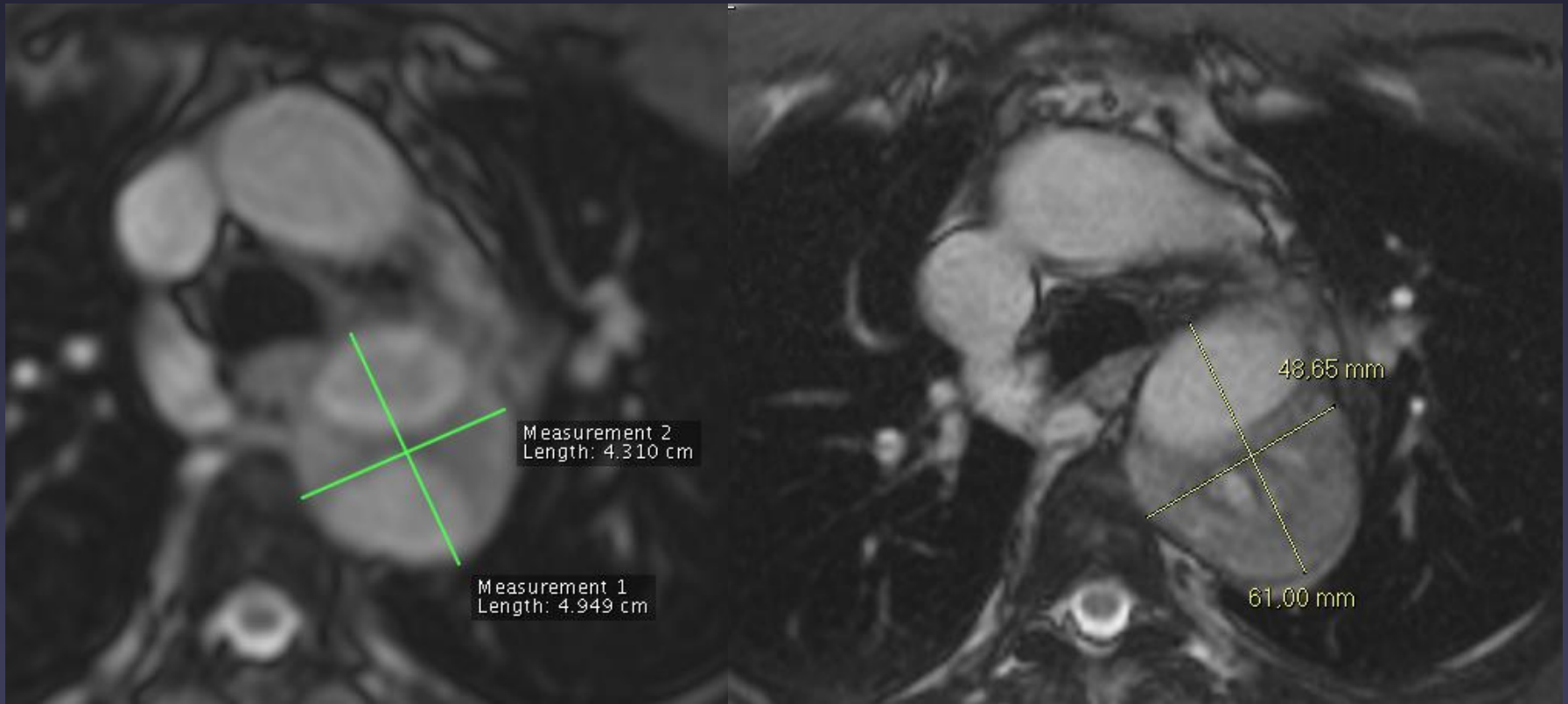
# MENO INVASIVO ?

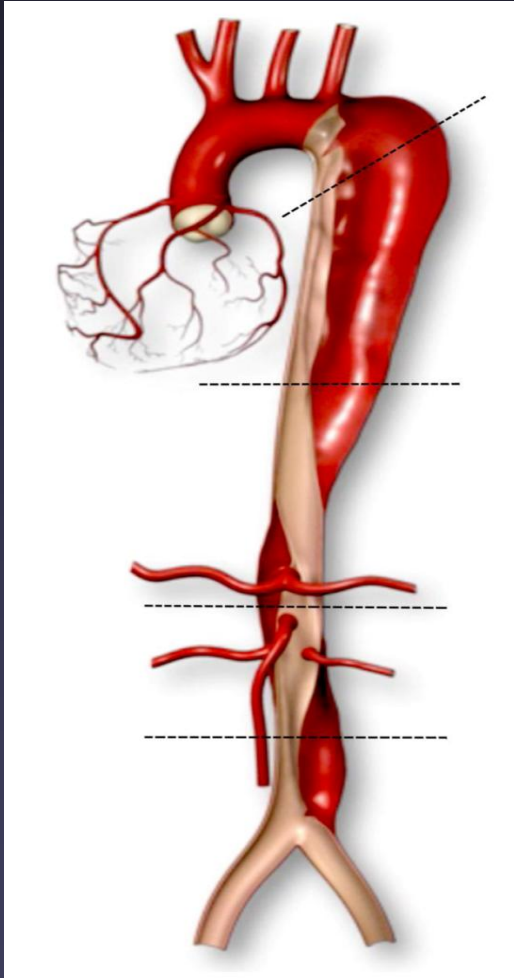


# PIU SEMPLICE ?

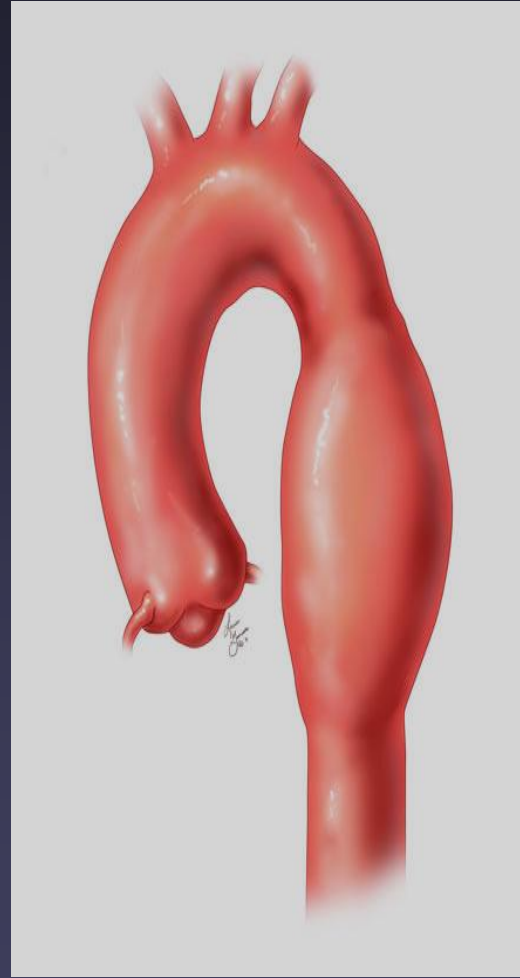


# QUANDO INTERVENIRE ?





≠





# DEMOCRATIZING TECHNOLOGY



Main Partner di festival

# BIBITE FRESCHE



Menu  
CASA  
FRUTTA € 2.50  
CASA  
FRUTTA € 3.00  
CASA  
FRUTTA € 4.00

Menu  
CASA  
FRUTTA € 2.50  
CASA  
FRUTTA € 3.00  
CASA  
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Menu  
CASA  
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CASA  
FRUTTA € 3.00  
CASA  
FRUTTA € 4.00

# A...B... C ?!

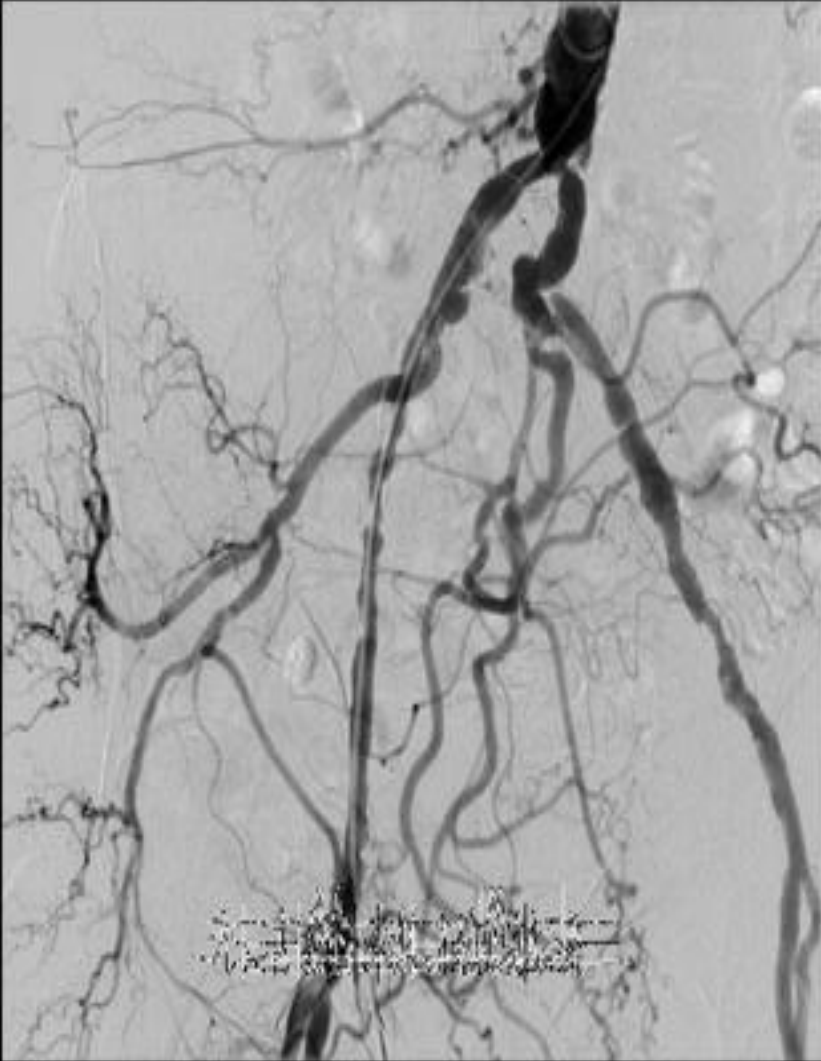
A. Scopo del trattamento: prevenire la rottura

A. **Technical success:**

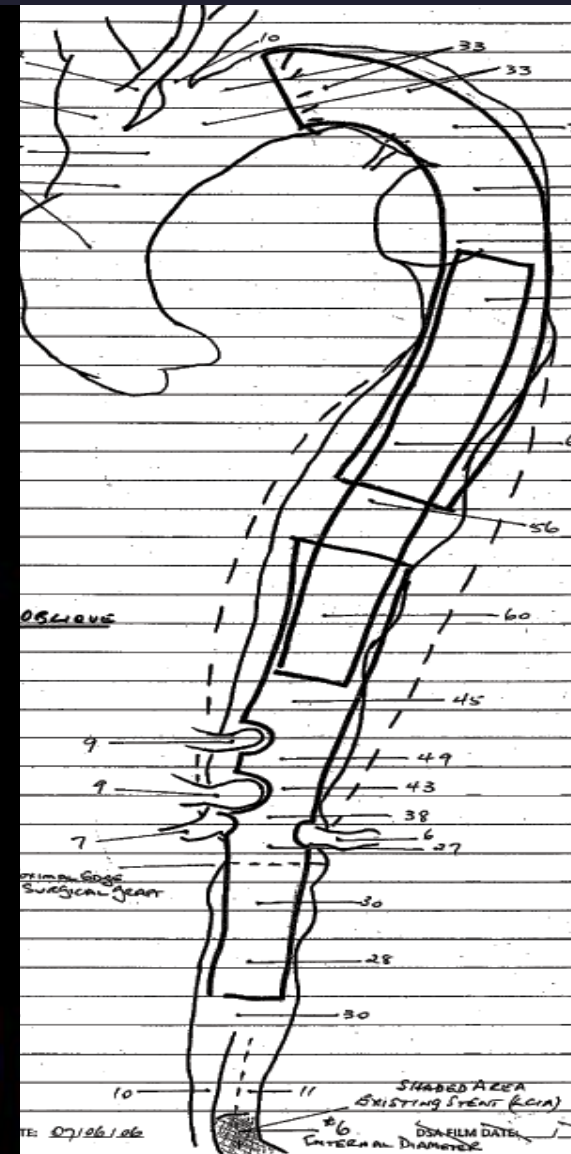
- ✓ corretto posizionamento del graft
- ✓ chiusura entry tear
- ✓ no type I or III endoleak

B. **Sufficiente ?**: probabilmente **NO**, ma concentriamoci sull'obbiettivo minimo...

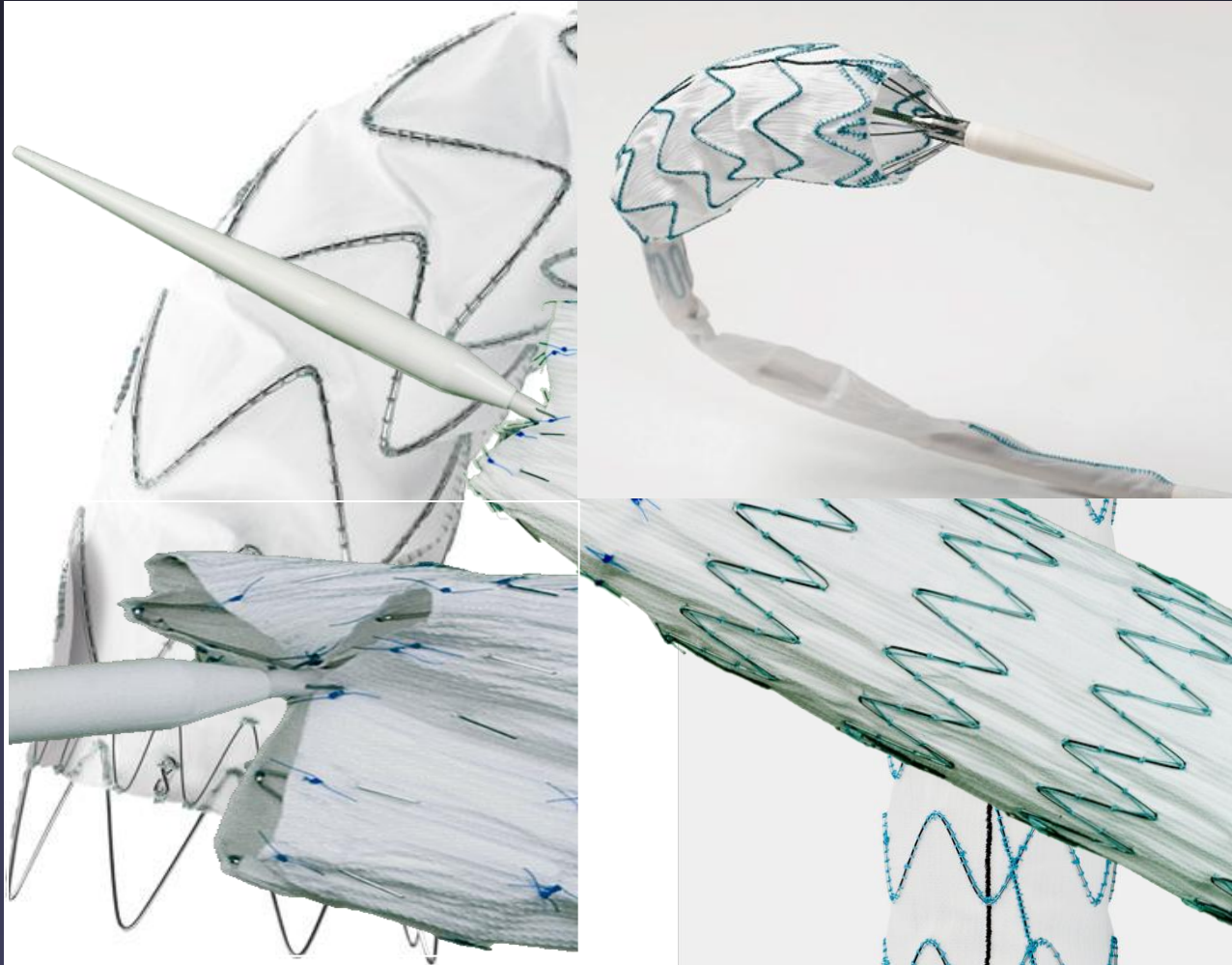
# IMAGING



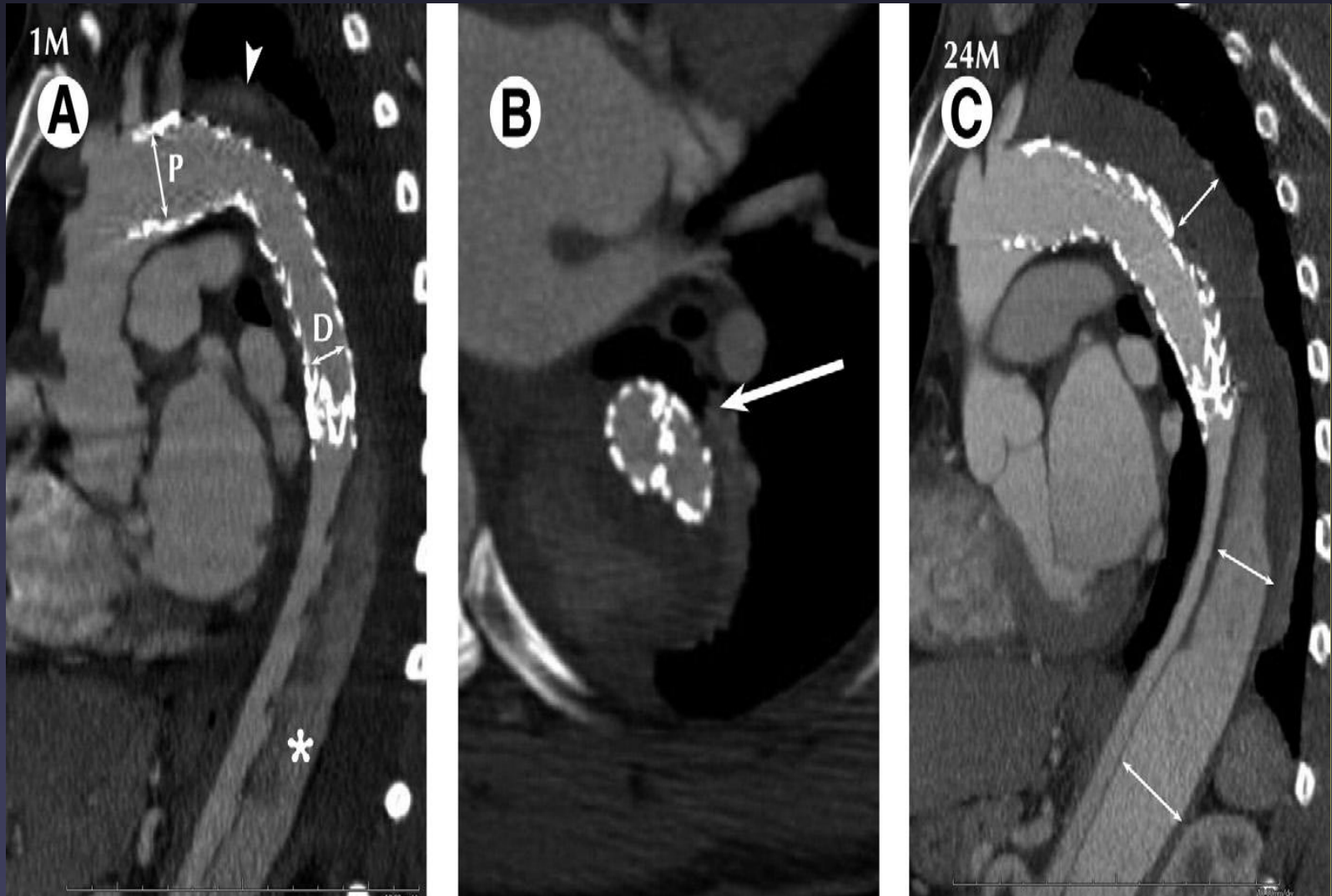
# PLANNING



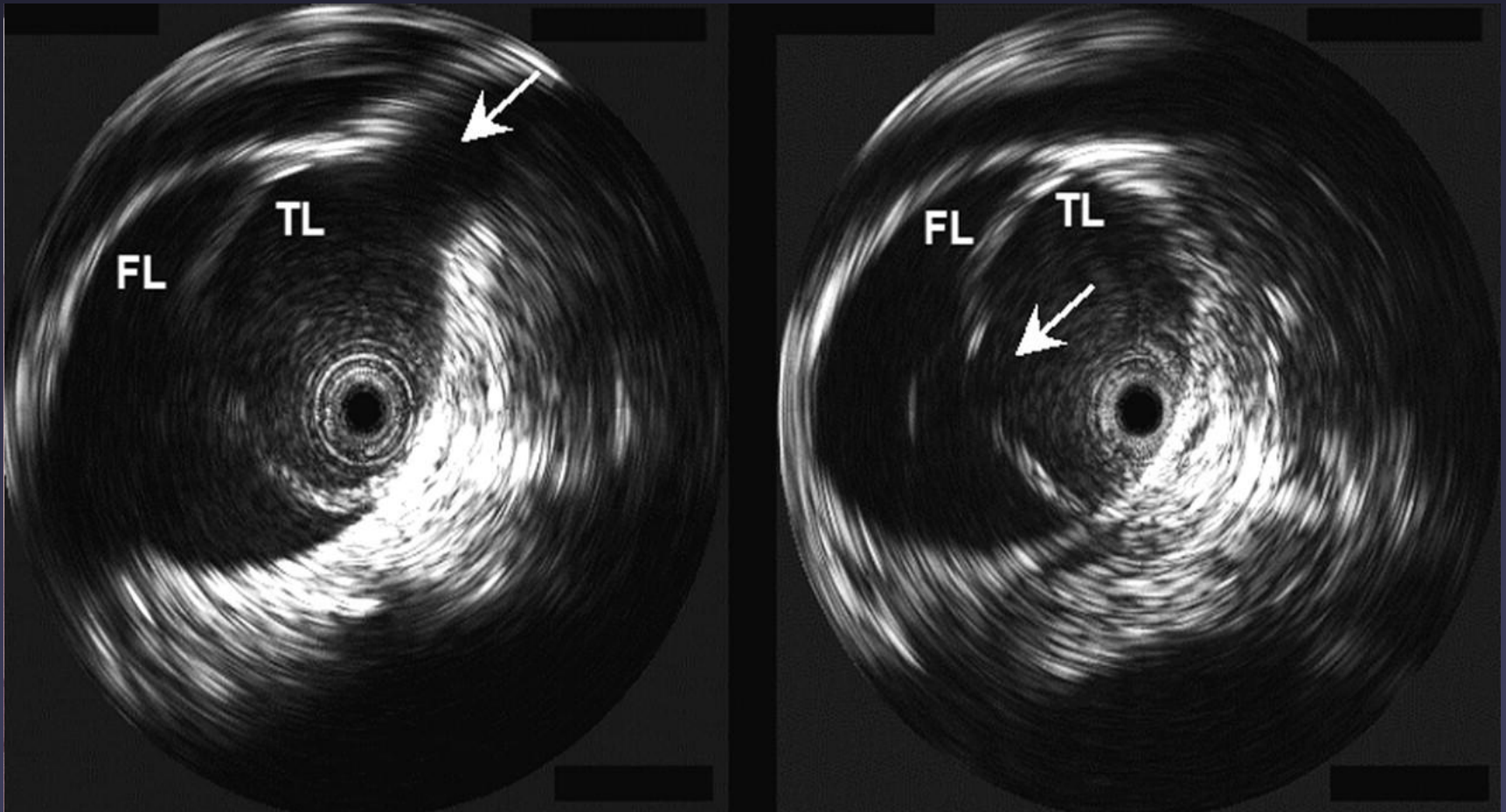
# GRAFT



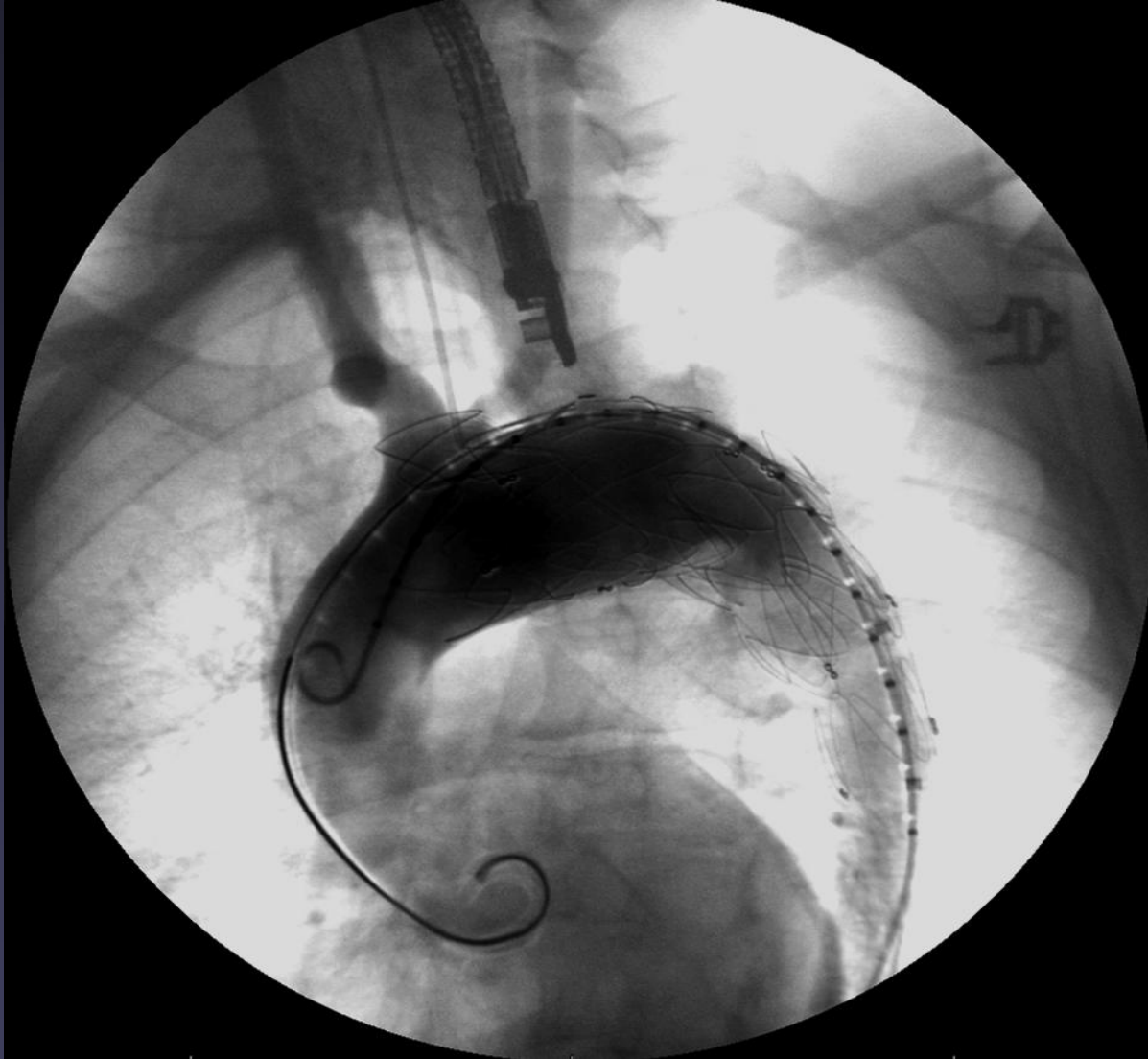
# SIZING



# IMAGING INTRAOPERATORIO

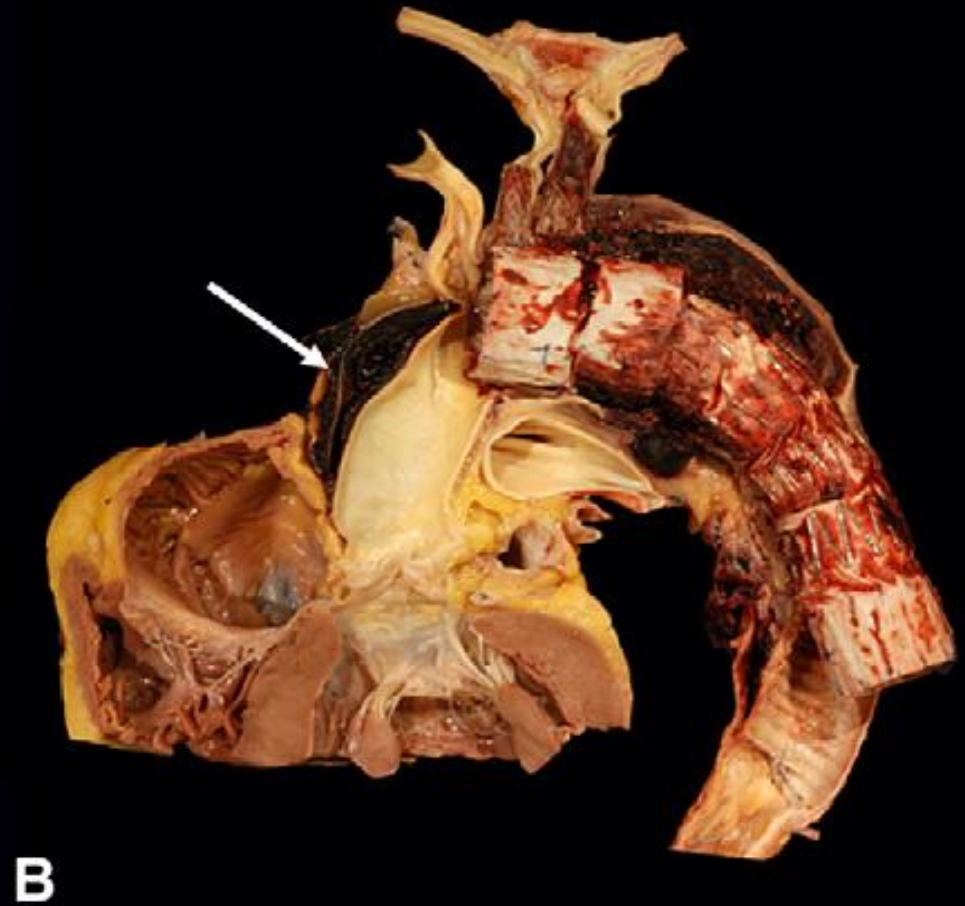
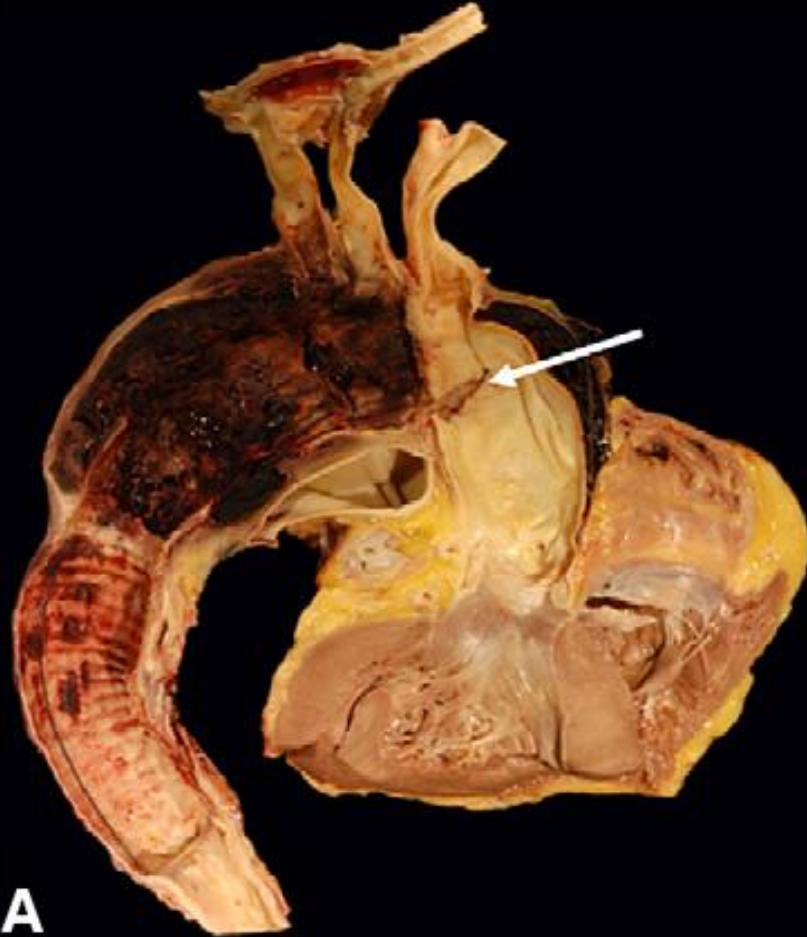


# SUCCESSO TECNICO





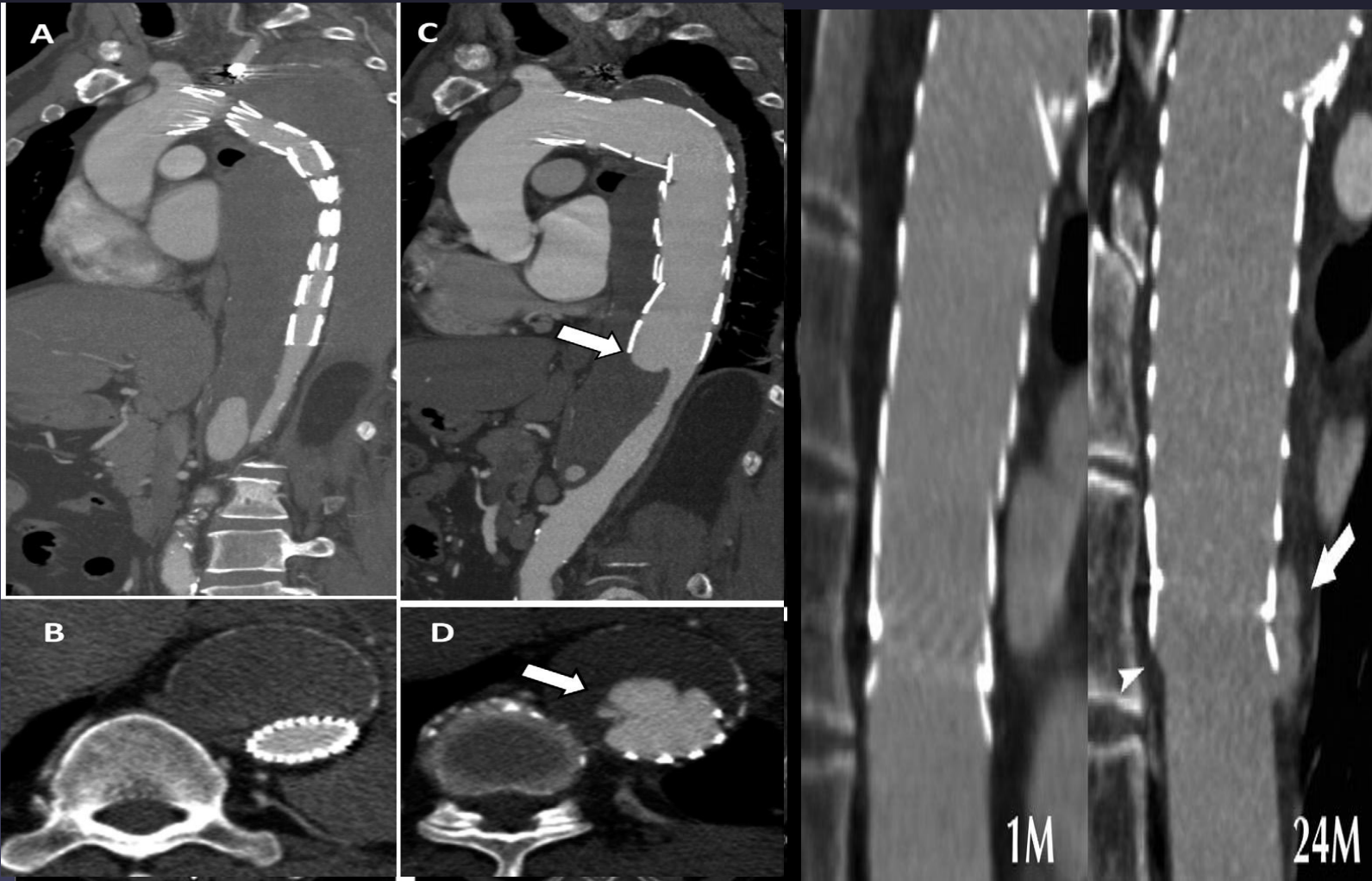
# E' SUFFICIENTE ?



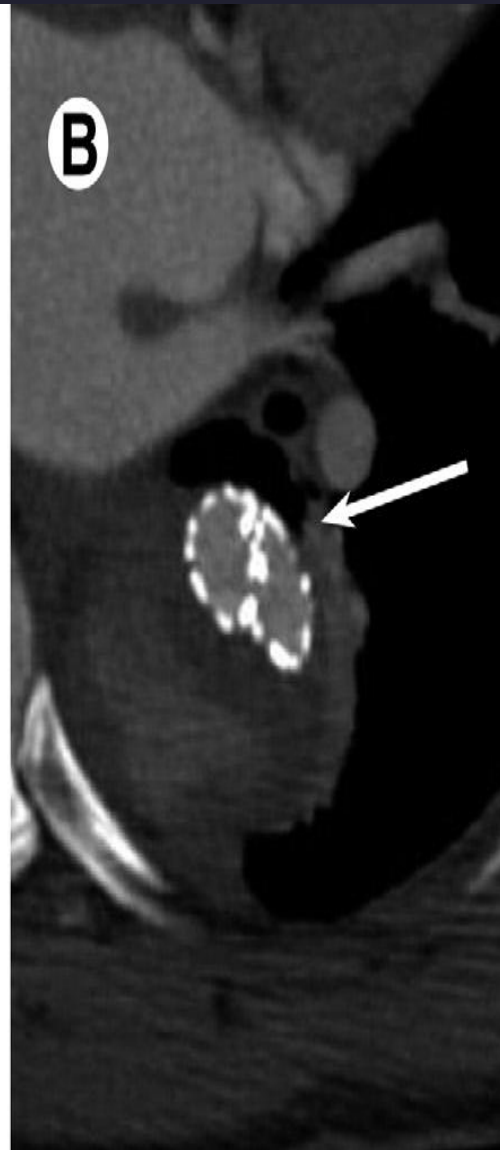
A

B

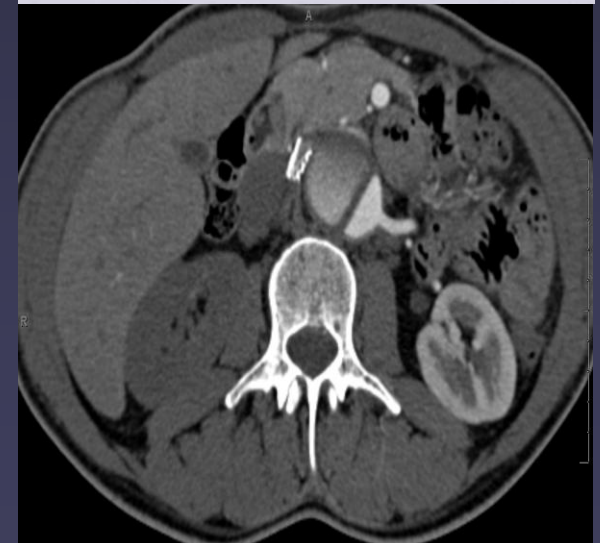
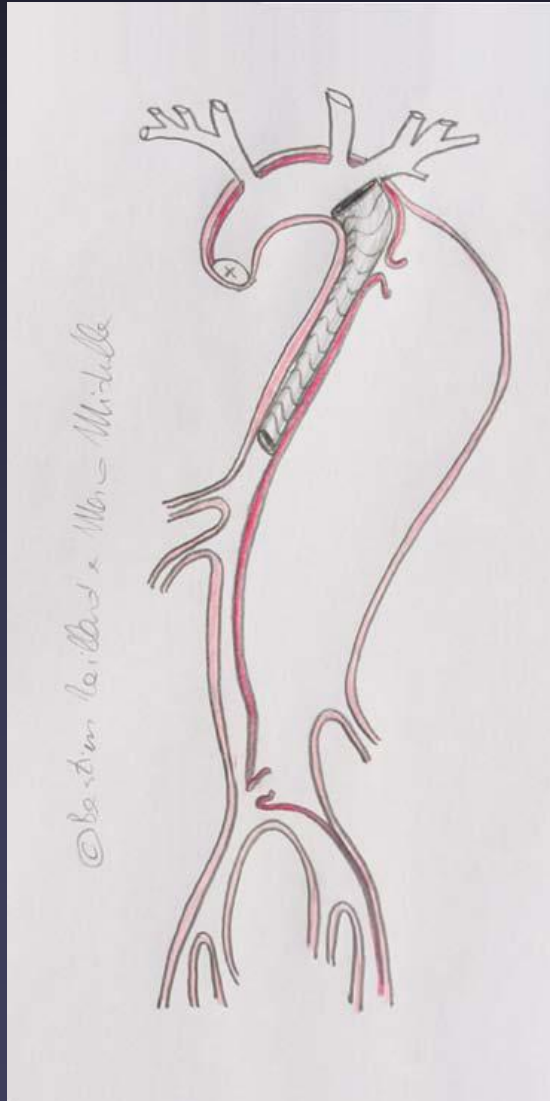
# HOW LONG ?



# PARTIAL LUMEN THROMBOSIS ?

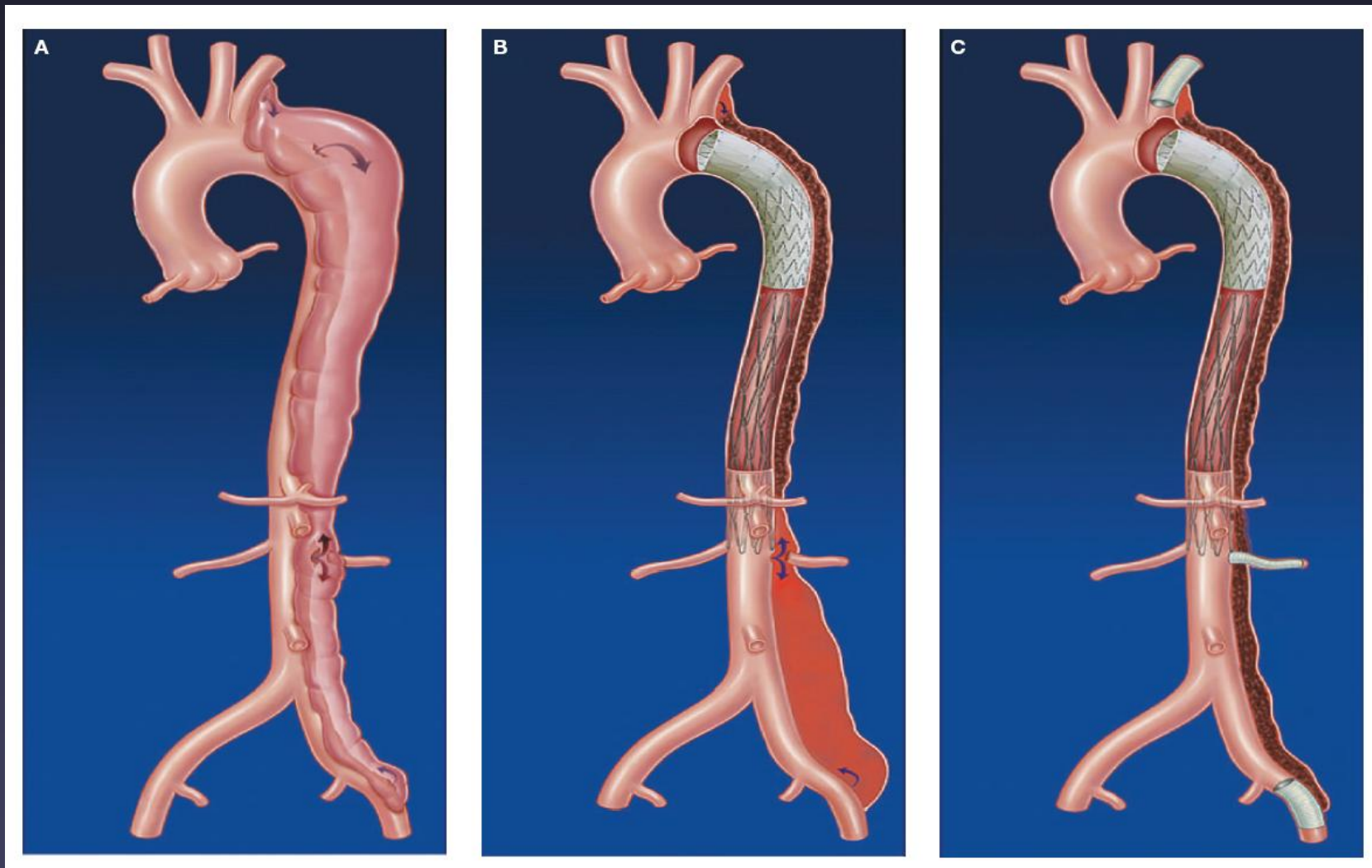


# MALPERFUSIONE

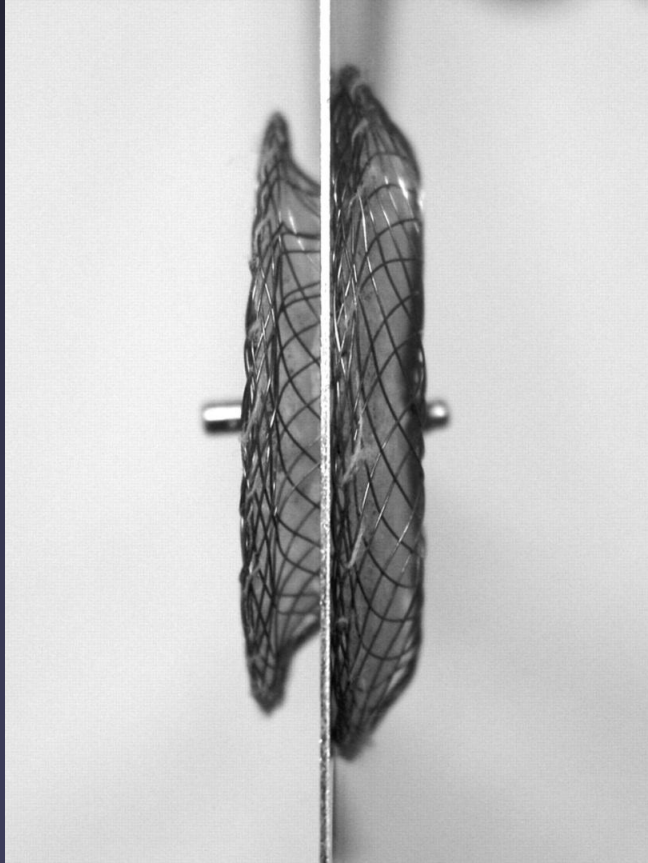


Courtesy to M. Midulla

# SOLUZIONI PRESENTI E FUTURE ?



# CHIUSURA SELETTIVA RE-ENTRY



# FENESTRATED & BRANCHED



# ALCUNE CONCLUSIONI

**LE TERAPIE ENDOVASCOLARI PER TBCD ANCORA NELLA LORO INFANZIA**

**GRANDE VARIABILITA MORFOLOGIA:**

**RIDEFINIRE UNA CLASSIFICAZIONE IN RAGIONE DELL'ESTENSIONE DELLA MALATTIA E DELL'EFFICACIA DEI TRATTAMENTI**

**GRANDE VARIABILITA DI MATERIALI E SOLUZIONI TECNICHE:**

**MIGLIORE DEFINIZIONE DELLE INDICAZIONI E DEGLI OUTCOME**

**DISCUSSIONE ED APPROCCIO MULTIDISCIPLINARE (TEAM MD):**

**L'ENDOVASCOLARE NON SEMPRE E' IL MIGLIOR TRATTAMENTO  
LA CHIRURGIA DEVE RESTARE UN'OPZIONE APERTA**

**NECESSITA DI MATERIALI DEDICATI**





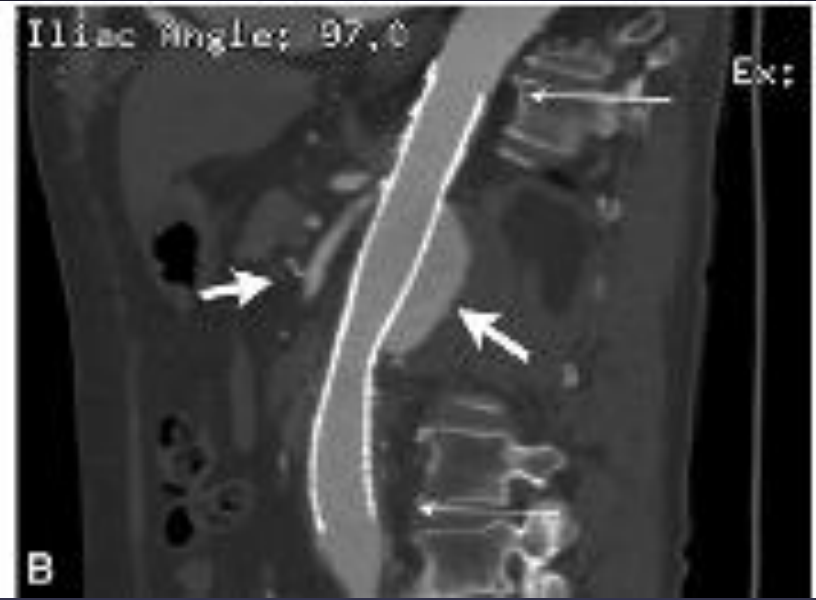
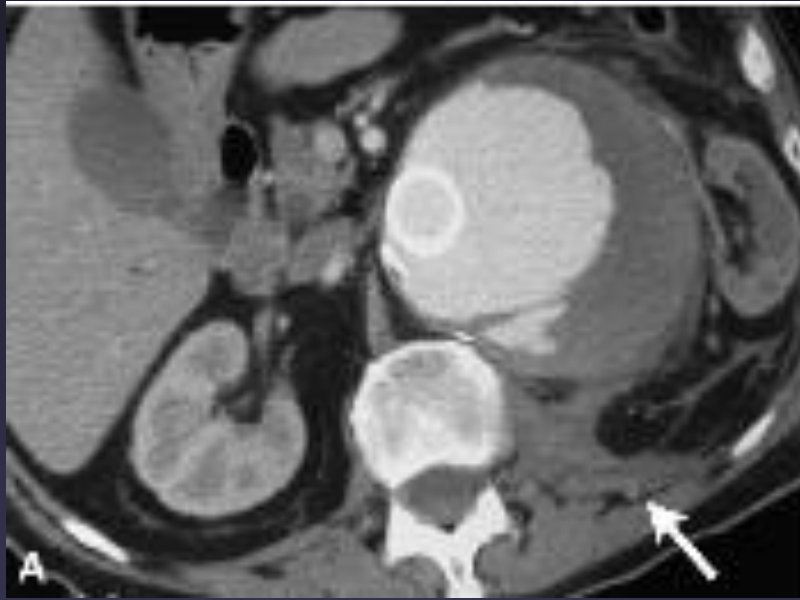
Genome-wide association study identifies a susceptibility locus for thoracic aortic aneurysms and aortic dissections spanning *FBN1* at 15q21.1  
NATURE 2011



**THANK  
YOU  
FOR  
YOUR  
ATTENTION**

# QUESTIONI APERTE

# ? FLOW DIVERTING STENTS



A multilayer stent in the aorta may not seal the aneurysm, thereby leading to rupture  
J Vasc Surg 2012