

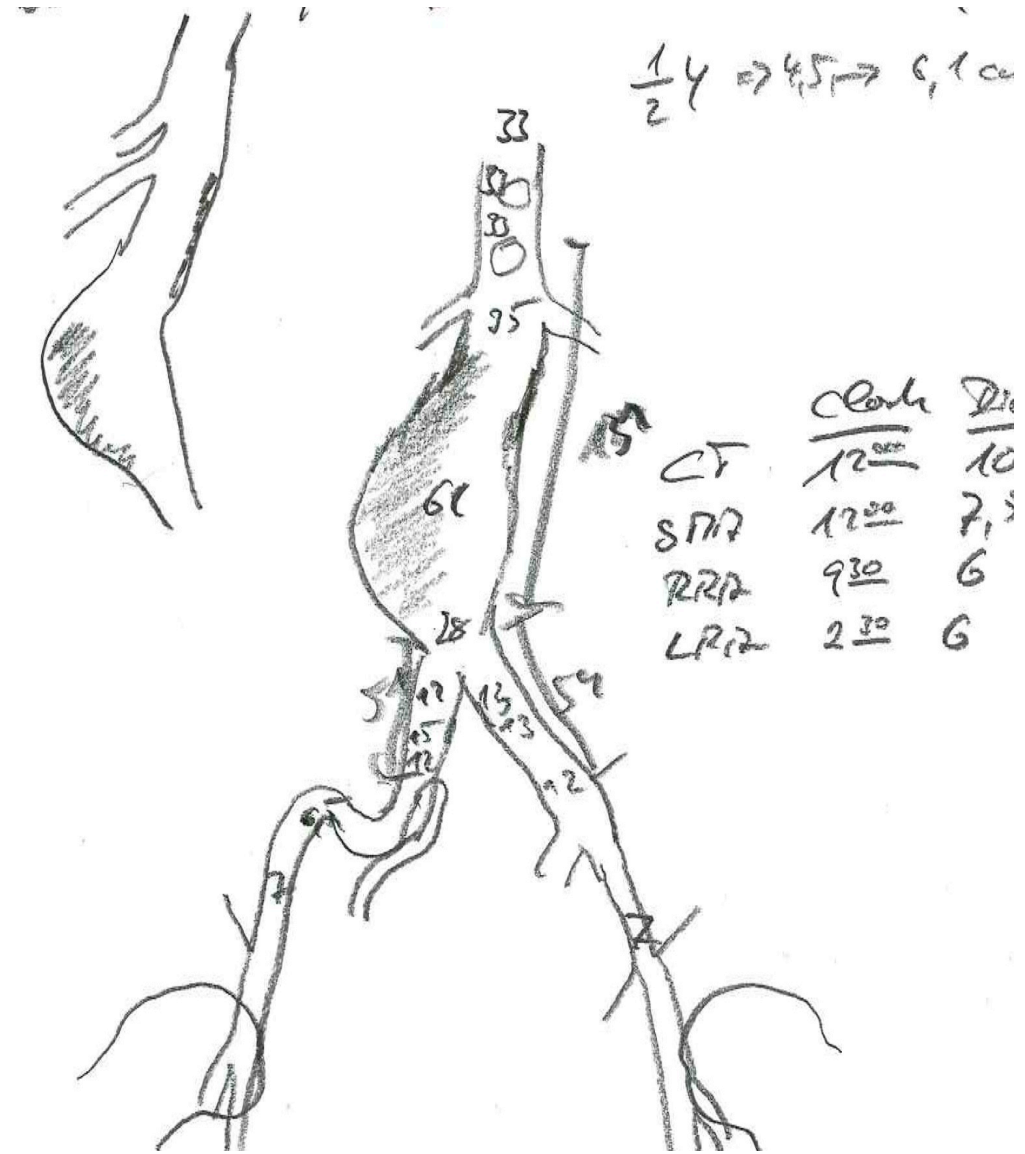
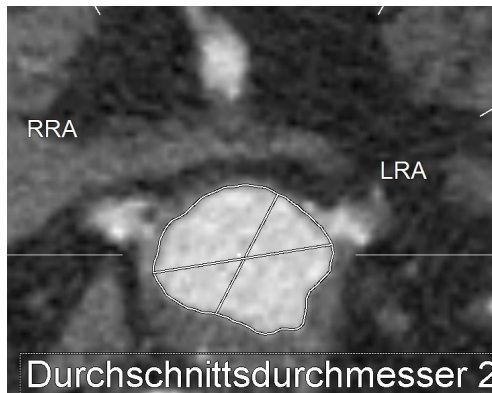
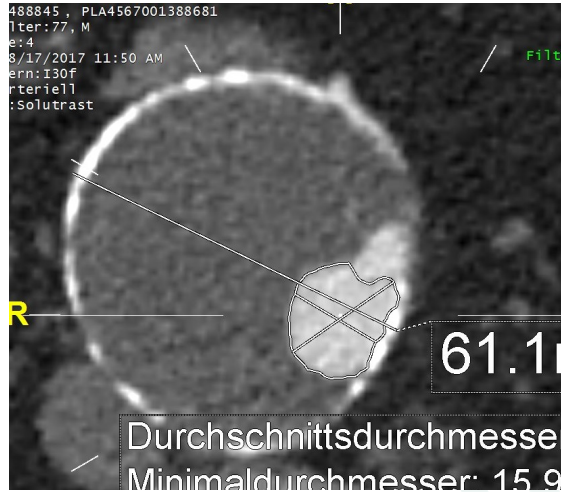
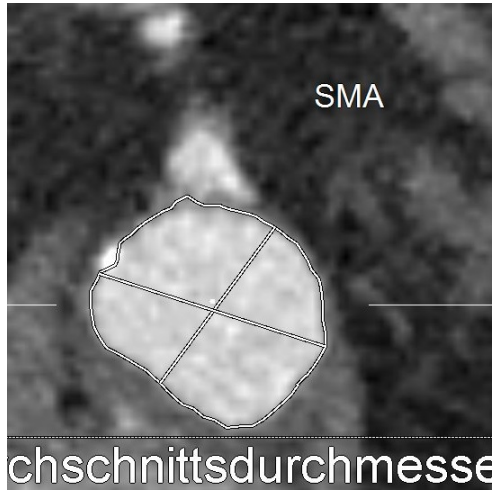
**Case Report:**  
**Treatment of a juxtarenal aneurysm with  
heavily calcified iliac arteries**

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**Department of Vascular Surgery, Münster**

- 79y, male patient
- Juxtarenal AAA
- In 6 months 4,5mm -> 6,1 mm
- CAD: CABG 2009  
PTCA 2013
- Hypertension
- Diabetes (Insulin therapy)
- Prostate Carcinoma





# Anatomical challenges

- Tortuous iliacs
- Calcified iliacs

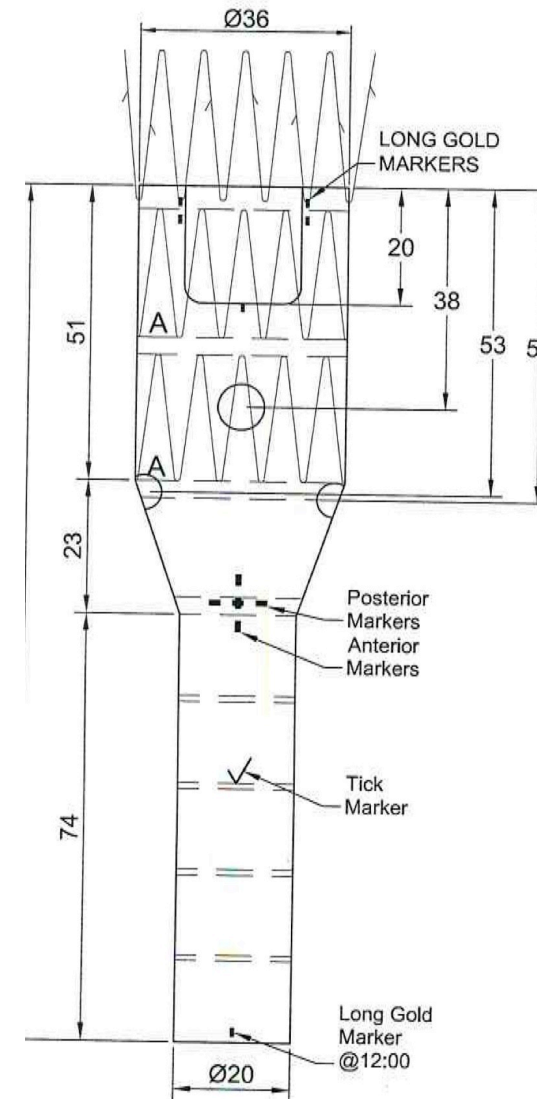


- Open repair
- Conservative treatment
- Chimney/ Sandwich EVAR
- Off-the-shelf branched endograft
- Custom-made-branched endograft
- Custom-made-fenestrated endograft
- Other option ...



# Our concept

- This rapidly growing aneurysm requires treatment
- ASA III, 79y old patient :  
our plan would be endovascular treatment
- No neck, juxtarenal aneurysm, asymptomatic:  
therefore we prefer fenestrated endograft
- Tortuous and calcified iliacs:  
low-profile device



## **REINFORCED SCALLOP #1**

WIDTH: 20mm  
HEIGHT: 20mm  
CLOCK: 12:00  
IVD: 28mm

## **REINFORCED LARGE FENESTRATION #1**

**\*\*Strut Free\*\***  
DIAMETER: 8mm  
DIST FROM PROX EDGE: 38mm  
CLOCK: 12:00  
IVD: 28mm

## **REINFORCED SMALL FENESTRATION #1**

**\*Preloaded Guidewire\***  
DIAMETER: 6mm  
DIST FROM PROX EDGE: 53mm  
CLOCK: 9:30  
IVD: 28mm

## **REINFORCED SMALL FENESTRATION #2**

**\*Preloaded Guidewire\***  
DIAMETER: 6mm  
DIST FROM PROX EDGE: 54mm  
CLOCK: 2:30  
IVD: 28mm

- SINGLE DIAMETER REDUCING TIES

- LOW PROFILE FABRIC

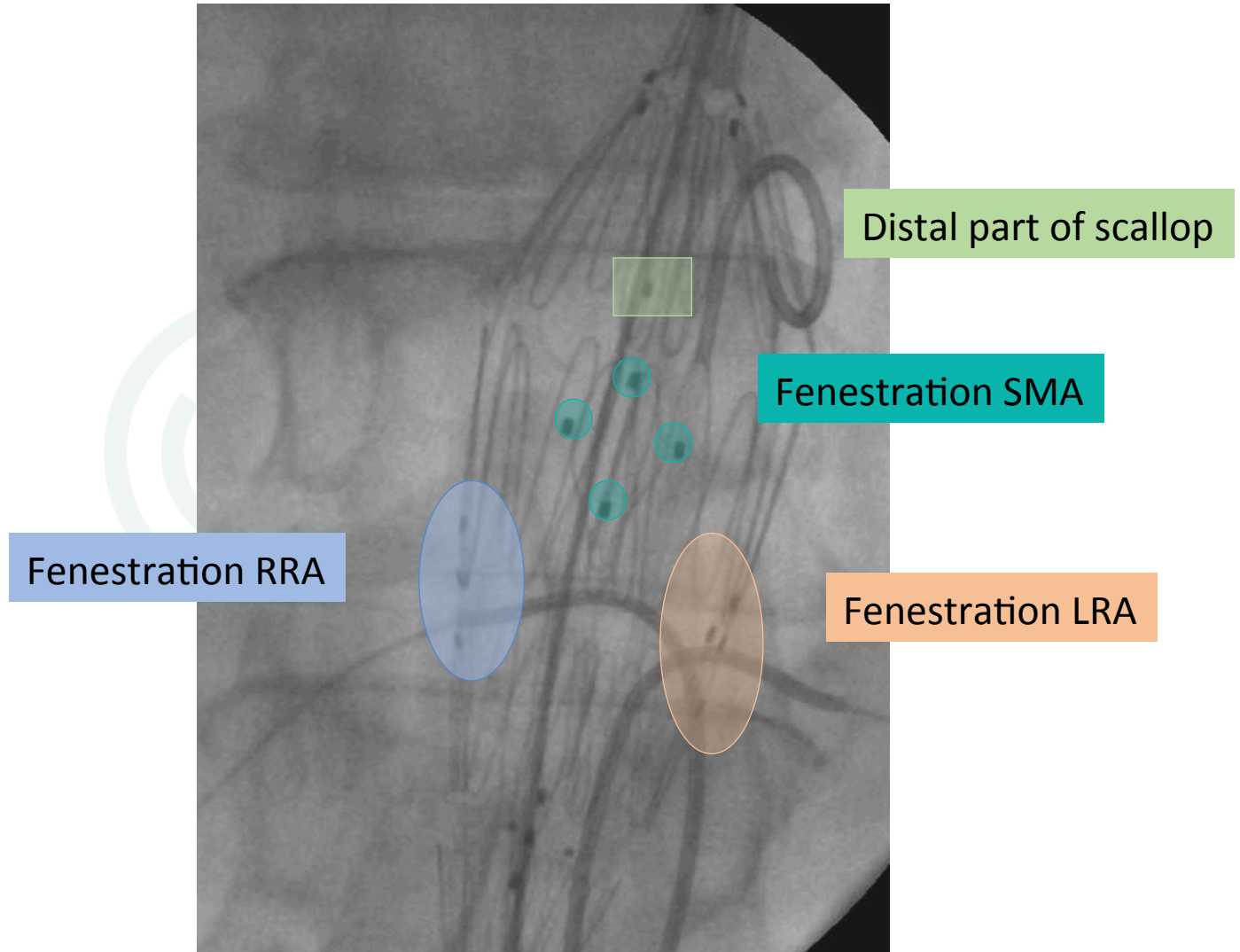
**\*\*\*PRELOADED DELIVERY SYSTEM\*\*\***

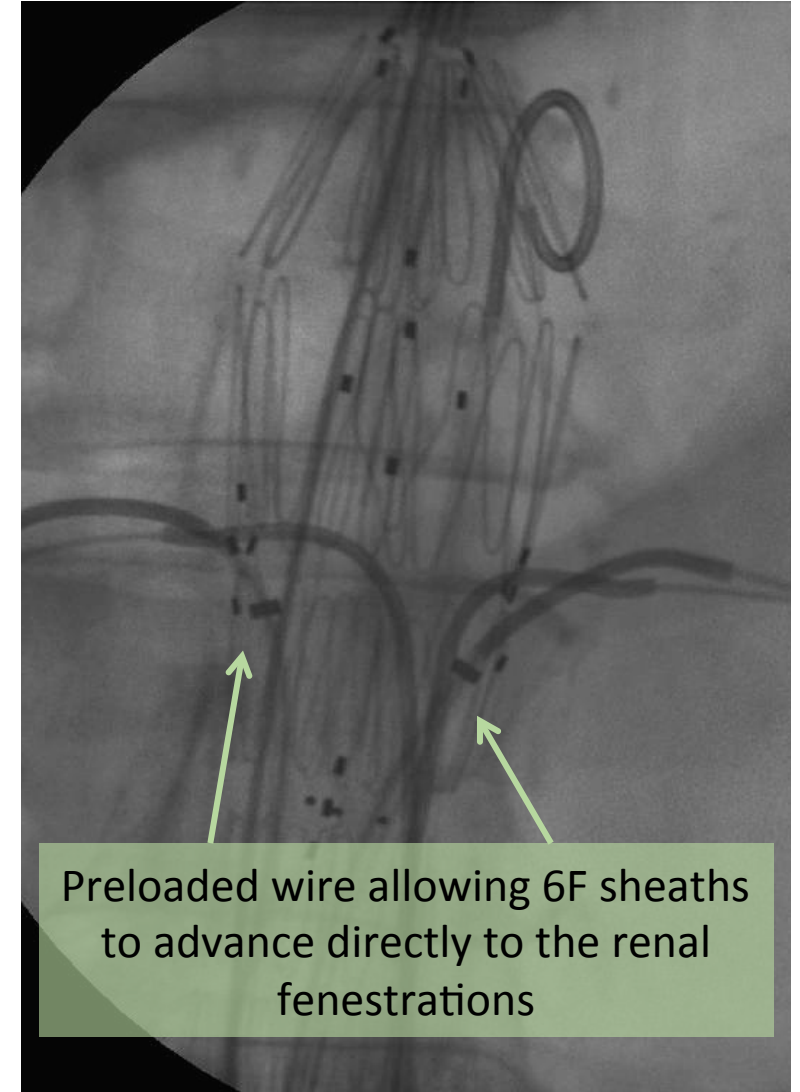
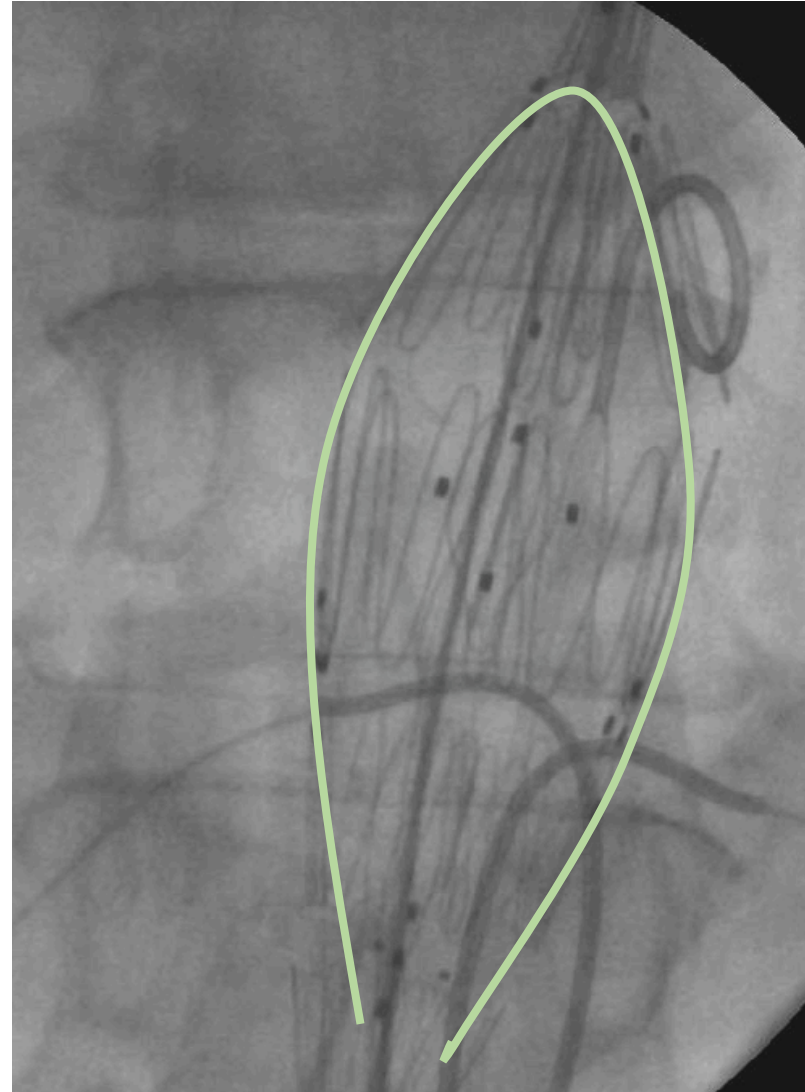
Plus:

**UNIBODY-22-81**

**ZSLE-16-74-ZT (x2)**

- Preloaded fenestrated endograft (Cook) with
  - 3 fenestrations
  - 1 scallop





Preloaded wire inside the endograft exiting renal fenestration and entering other renal fenestration

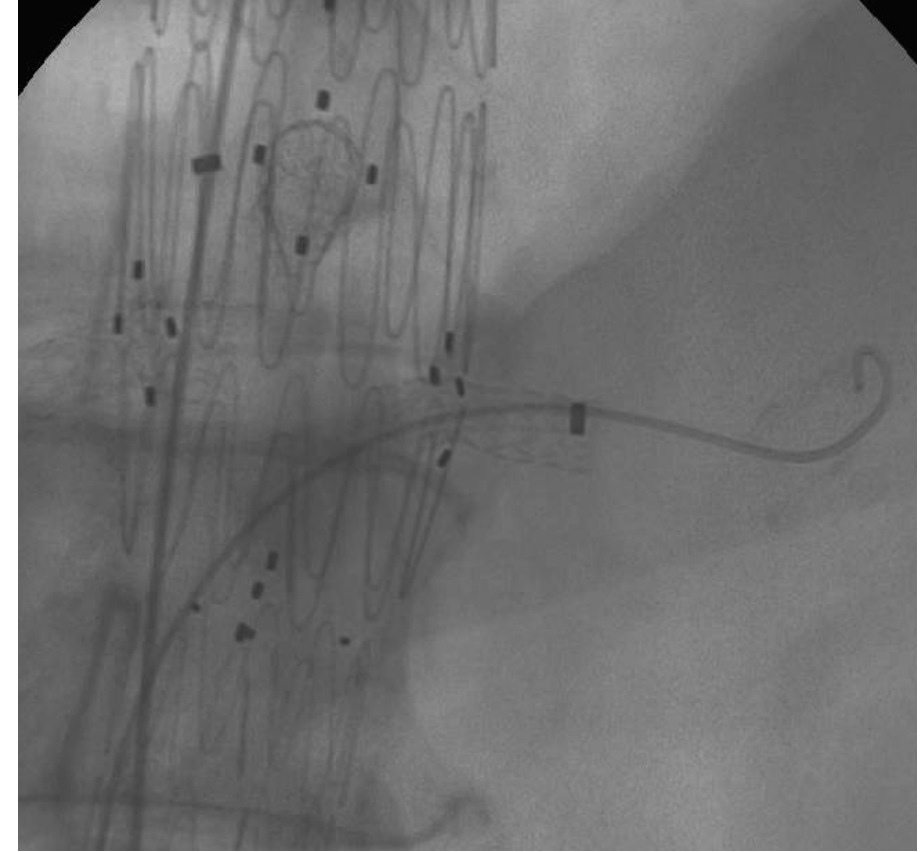




SMA : 8x32 Advanta (Maquet)

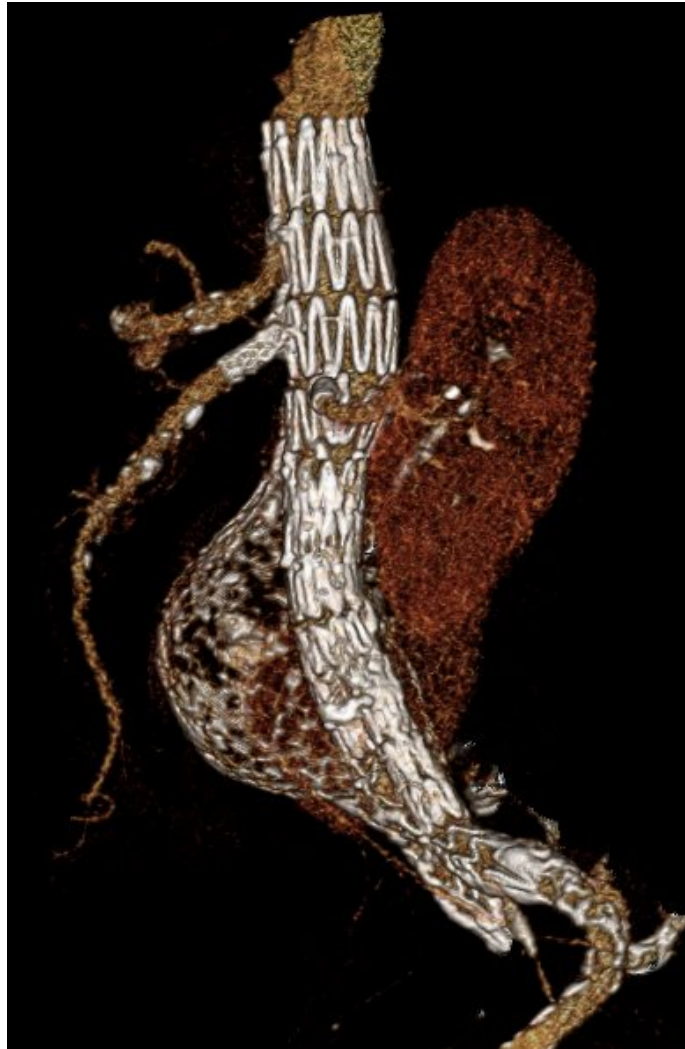


RRA : 6x22 Advanta



LRA : 6x22 Advanta





- No endoleak
- Patent bridging stent grafts
- Discharge at postop day 5

# Questions to Vascupedians

- What is your preferred bridging stent graft in case of fenestrations?
- Do you still treat elderly patients open?
- Should fenestrated endografts only be performed in specialized centers?
- Do you often use a conduit in stenosed iliac arteries?