



Para-renal AAA after failed EVAR with subsequent graft migration

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Aim

To present a patient with a pararenal aneurysm after failed EVAR



FEVAR

Methods

- ✓ 61 year-old
- ✓ Male

- ✓ *Medical history significant for*
 - Previous EVAR (Anaconda, 2009)
 - Current smoker
 - Hypertension
 - Dyslipidaemia
 - CAD & CABG (2009) (EF 50%)
 - COPD



Indications

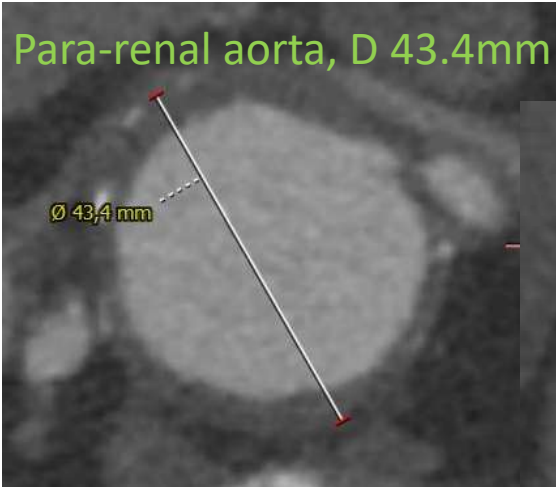
- Graft migration
- Development of a para-renal aneurysm
- D-max 72mm



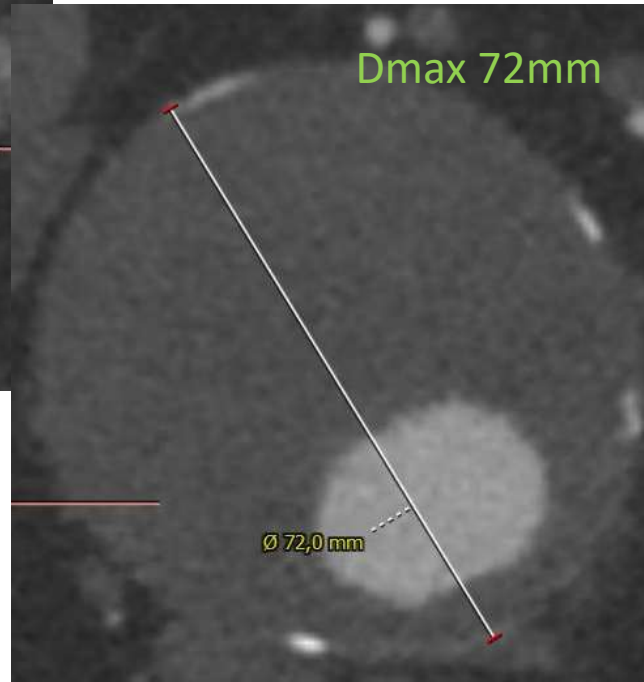


Methods

Para-renal aorta, D 43.4mm

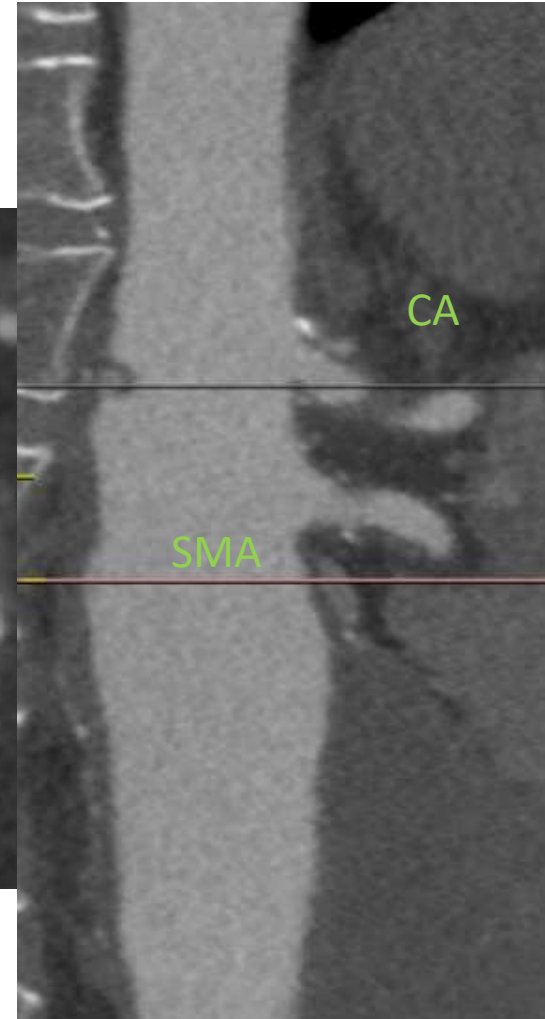


Dmax 72mm



CA

SMA





Treatment options

✓ FEVAR

✓ T-Branch

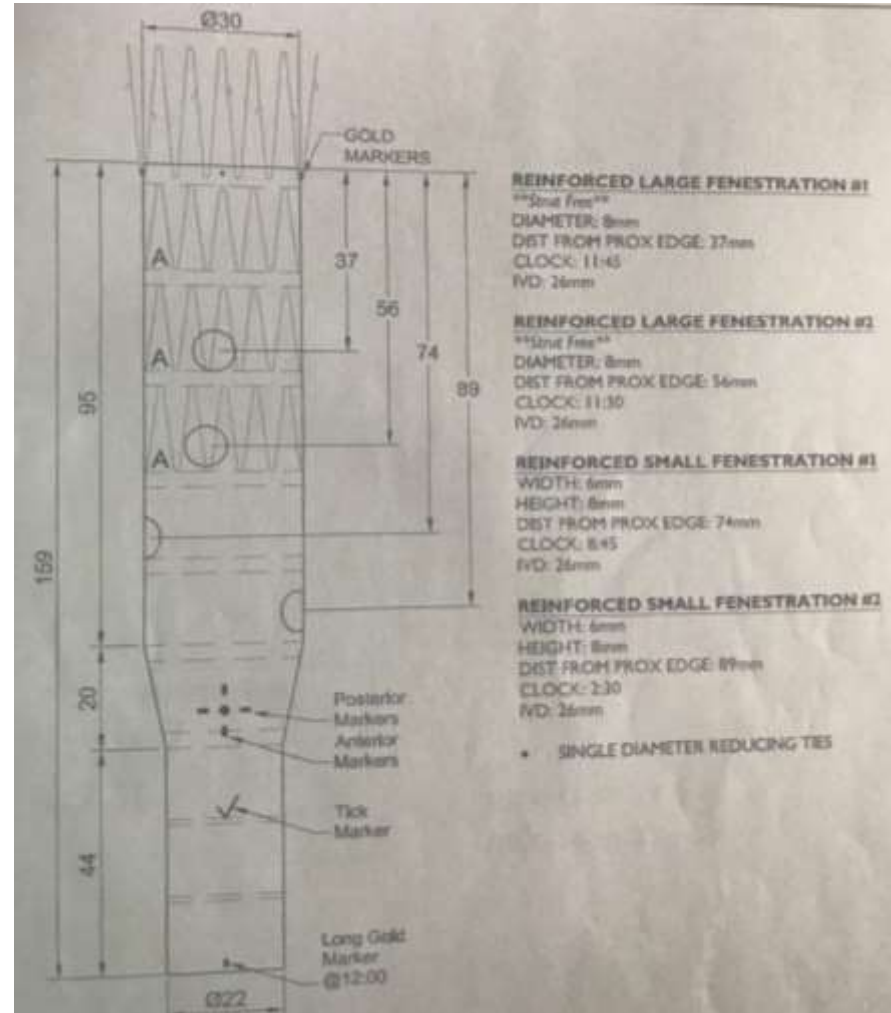
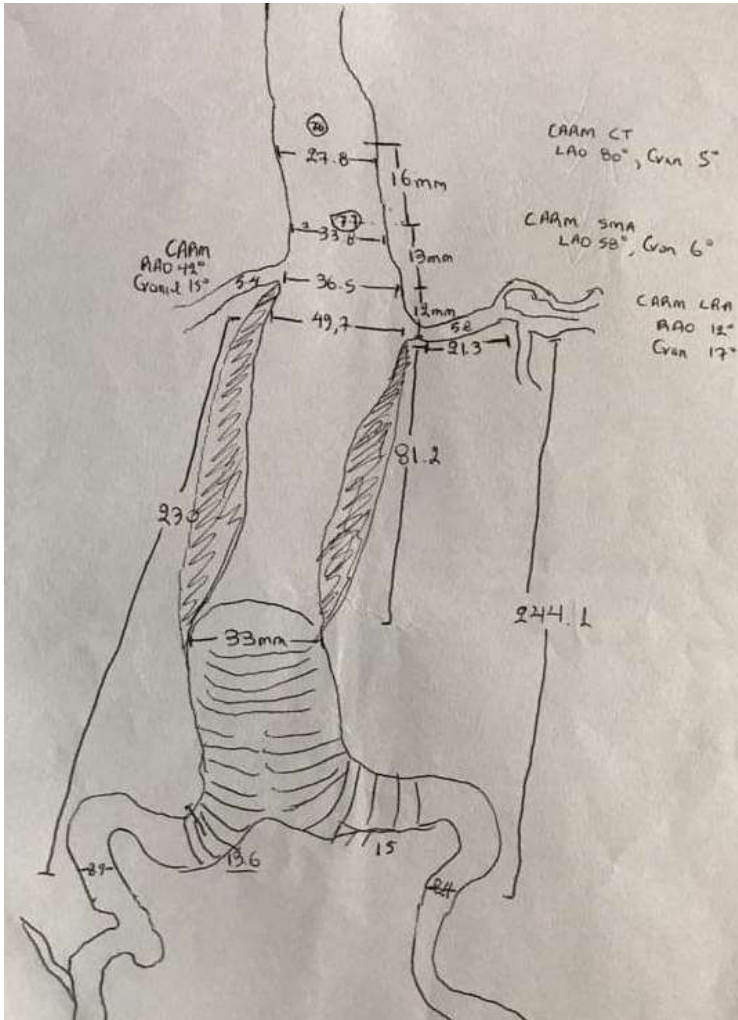
✓ Chimney

✓ Open repair





Pre-operative Planning





FEVAR

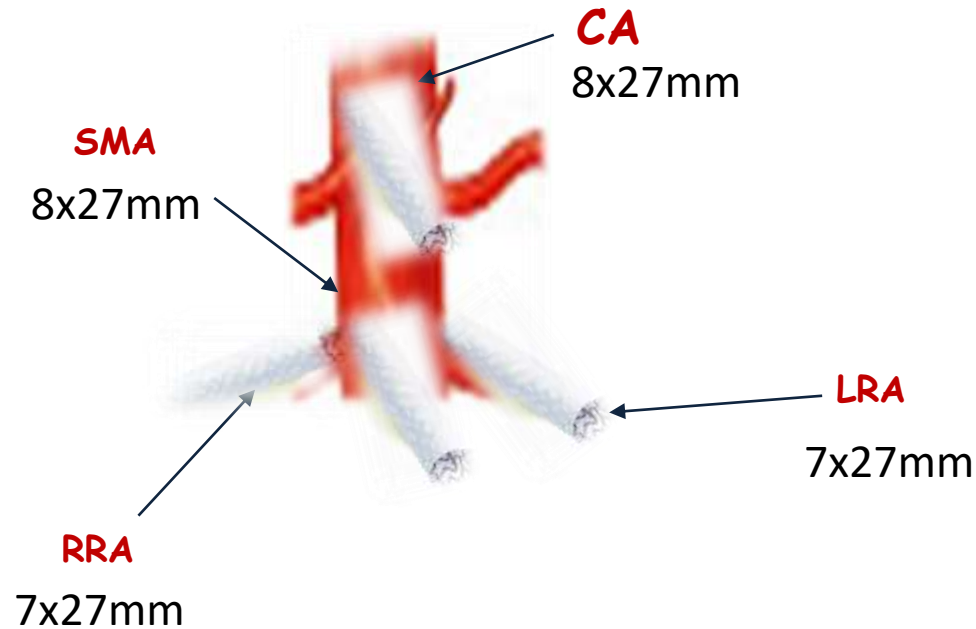
- ✓ 4 Fenestrated COOK Endograft
- ✓ Gore limb extension bilaterally

Important angulations of
aortic bifurcation and
iliac arteries





Target Vessels

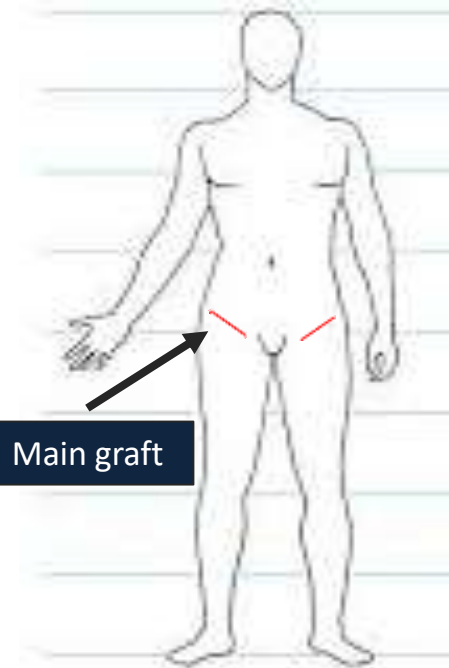


In all target vessels, a balloon expandable endograft was used (BeGraft)



Access

Access via
✓ Both femoral arteries



- Rosen & Amplatz wires
- ANL sheaths

- General anesthesia
- 5000iu UFH, continuous re-evaluation with ACT measurements
- Cerebral oximetry

Fenestrated Endograft (PRE)

Im: 1/26
Se: 1

8/10/1956 M
University Hosp. of LARISSA
R201806250828281
Abdomen
Abdomen fast 6 fps

WL: 512 WW: 1024 [D]
AP

25/6/2018 9:45:15 μμ

RRA

Im: 1/31
Se: 4

8/10/1956 M
University Hosp. of LARISSA
R201806250828281
Abdomen
Abdomen fast 6 fps



WL: 512 WW: 1024 [D]
AP

25/6/2018 12:11:45 μμ

LRA

Im: 1/31
Se: 6

8/10/1956 M
University Hosp. of LARISSA
R201806250828281
Abdomen
Abdomen fast 6 fps

WL: 512 WW: 1024 [D]
RAO: 1

25/6/2018 12:28:09 μμ

CA

Im: 1/32
Se: 9

8/10/1956 M
University Hosp. of LARISSA
R201806250828281
Abdomen
Abdomen fast 6 fps

WL: 512 WW: 1024 [D]
LAO: 90 CRA: 1

25/6/2018 12:40:18 μp

SMA

Im: 1/27
Se: 10



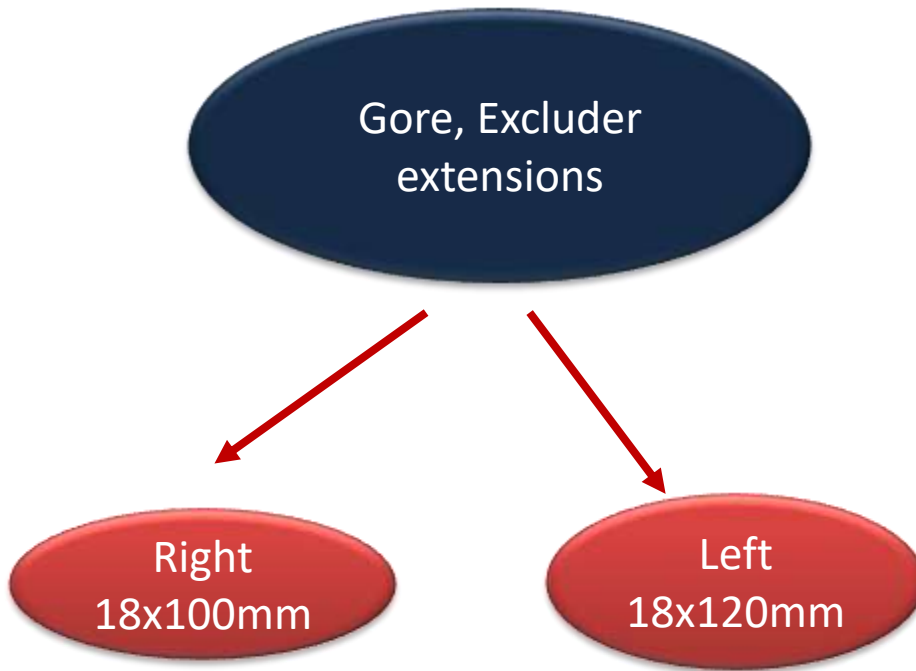
8/10/1956 M
University Hosp. of LARISSA
R201806250828281
Abdomen
Abdomen fast 6 fps

WL: 512 WW: 1024 [D]
LAO: 90 CRA: 1

25/6/2018 12:50:17 μμ



Iliac extensions



Final Angiography

Im: 1/42
Se: 13



8/10/1956 M
University Hosp. of LARISSA
R201806250828281
Abdomen
Abdomen fast 6 fps

WL: 512 WW: 1024 [D]
RAO: 1

25/6/2018 1:32:21 μμ



Intra-operative details

Intra-operative data

- ✓ 1 RBC
- ✓ Contrast 120ml
- ✓ Radiation 1275mGy
- ✓ Duration of operation 240min



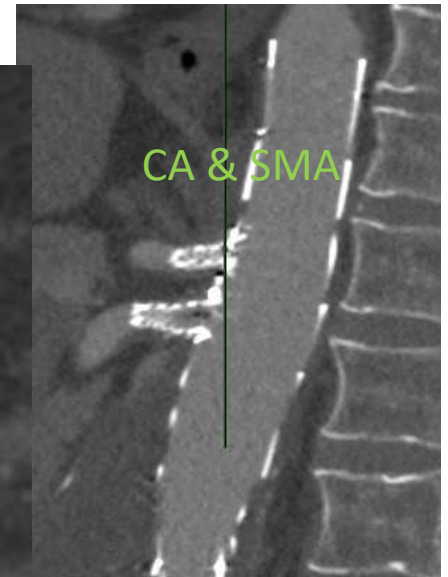
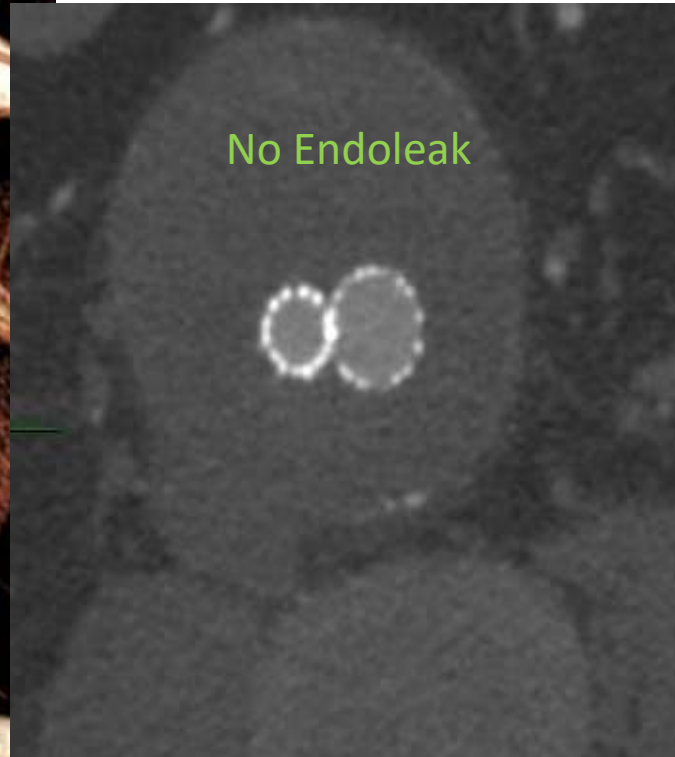
Patient transferred to ward under close monitoring

No need for ICU





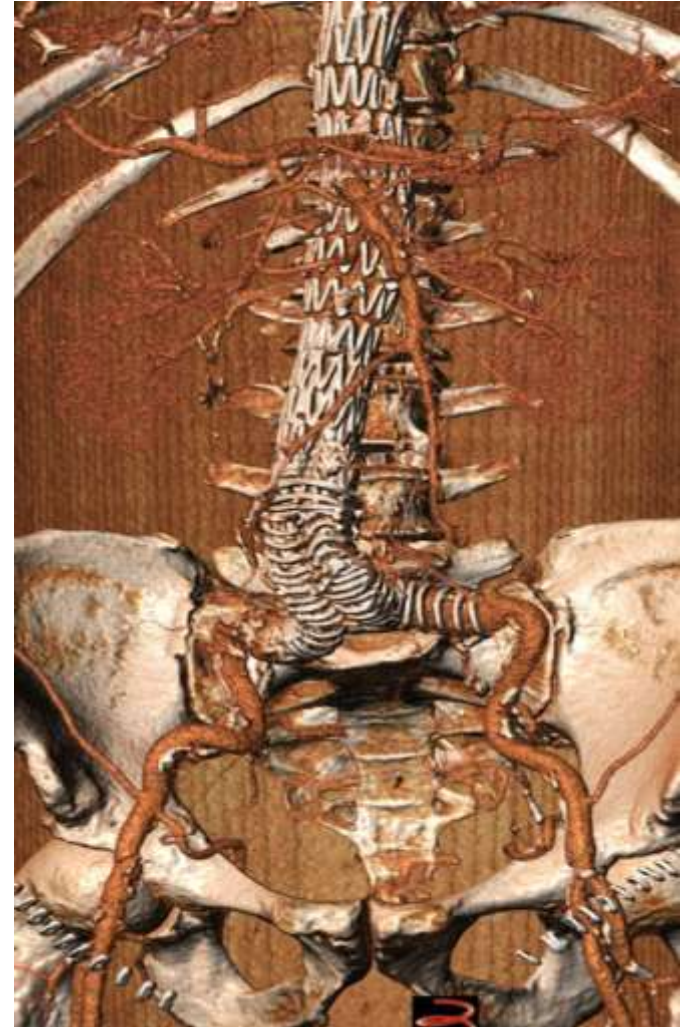
Post-operative CTA before discharge





Post-operative Clinical Status

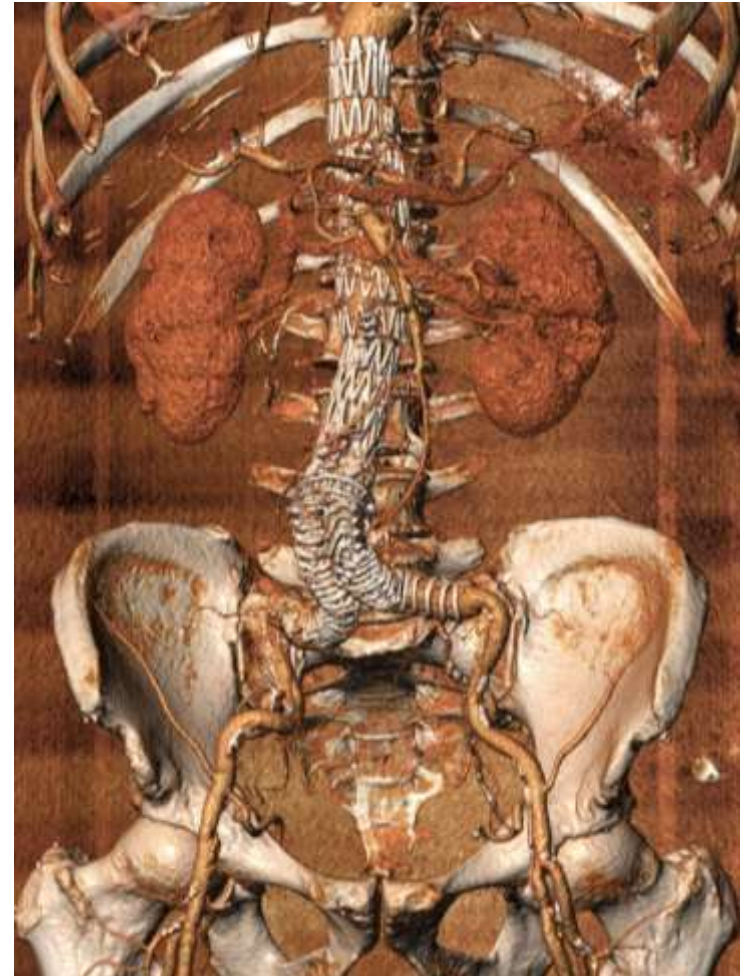
- ✓ No complications during hospitalization
- ✓ Good general status
- ✓ Discharge the 7th post-operative





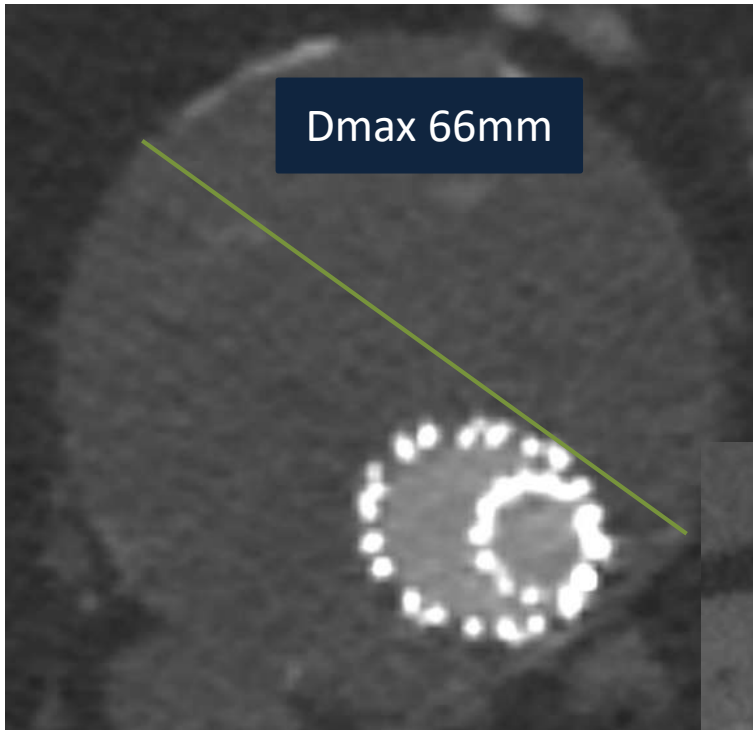
30-day follow-up

- ✓ No complication recorded
- ✓ Good general status





30-day follow-up





6-month follow-up

- ✓ Good general status
- ✓ FUP using *DUS*
- ✓ No endoleak
- ✓ Sac diameter stable





Conclusion

- ✓ FEVAR was a safe and sufficient solution in this case
- ✓ Failed EVAR demands a more complex treatment approach
- ✓ A combination of more devices may be needed in complex aortic anatomy



Thank you