



CRITICAL ISSUES 20TH INTERNATIONAL EXPERTS SYMPOSIUM
in aortic endografting 2016

May 20 & 21, 2016 - BARRIÈRE HOTEL - LILLE - FRANCE



Altura

a new paradigm in EVAR

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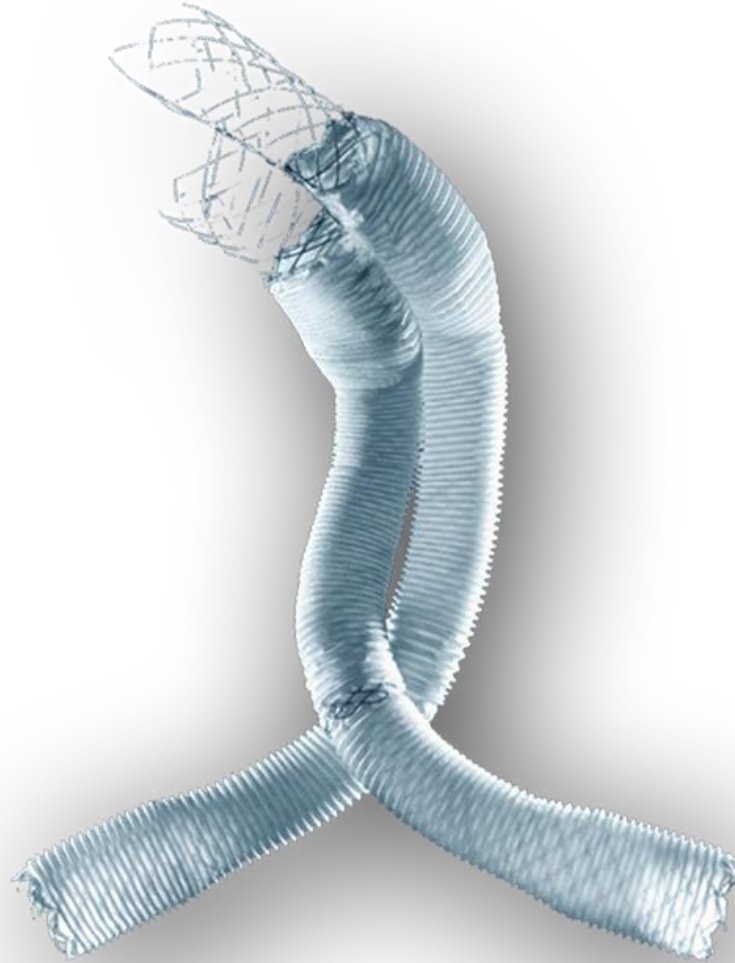
Disclosure of Interest

Speaker name: JONATHAN GHOSH

- I have the following potential conflicts of interest to report:
- Consulting
- Employment in industry
- Shareholder in a healthcare company
- Owner of a healthcare company
- Other(s)
- I do not have any potential conflict of interest

ALTURA 14F Endograft

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Device characteristics

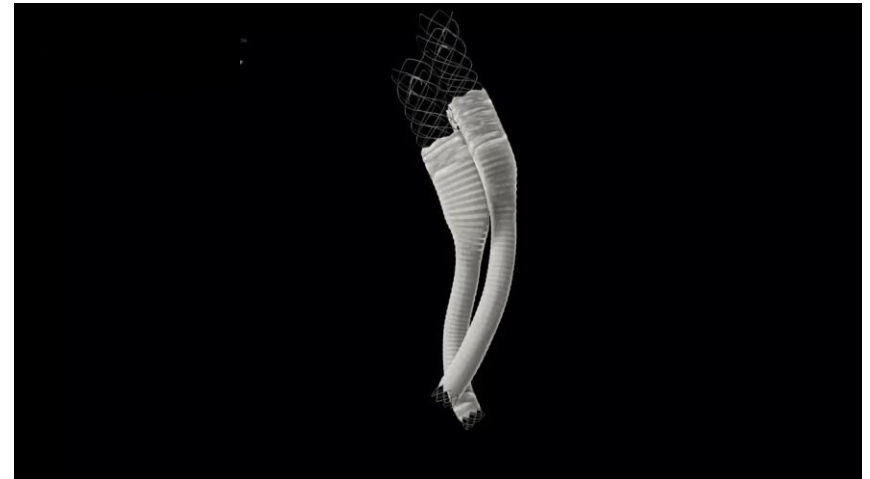
'D' cross section parallel
endograft

Eliminated need for
cannulation

Re-positionable

Retrograde iliac deployment

3 proximal and 3 distal
diameters



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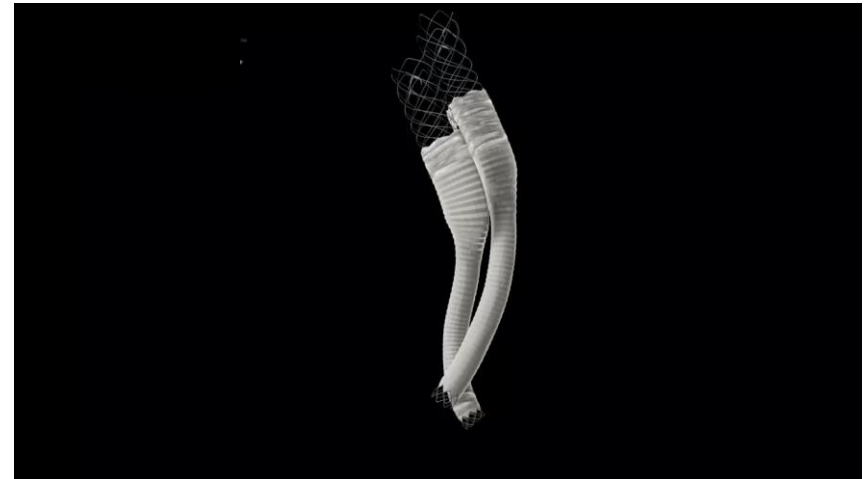
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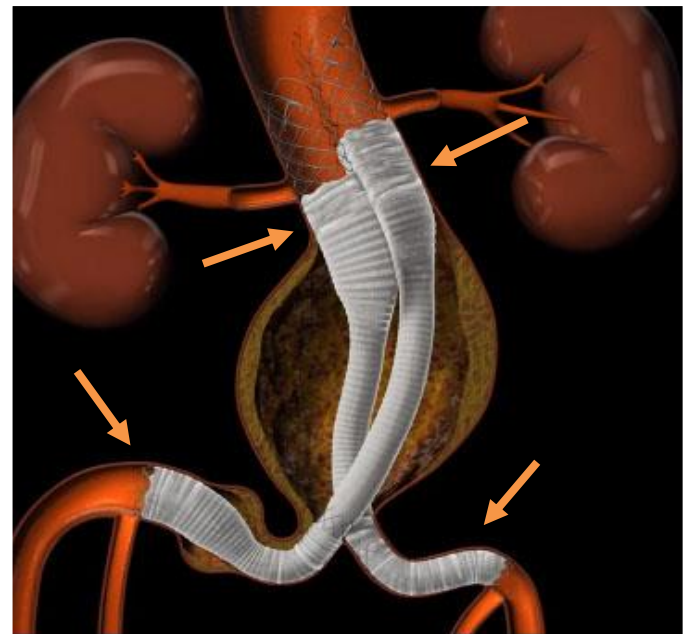
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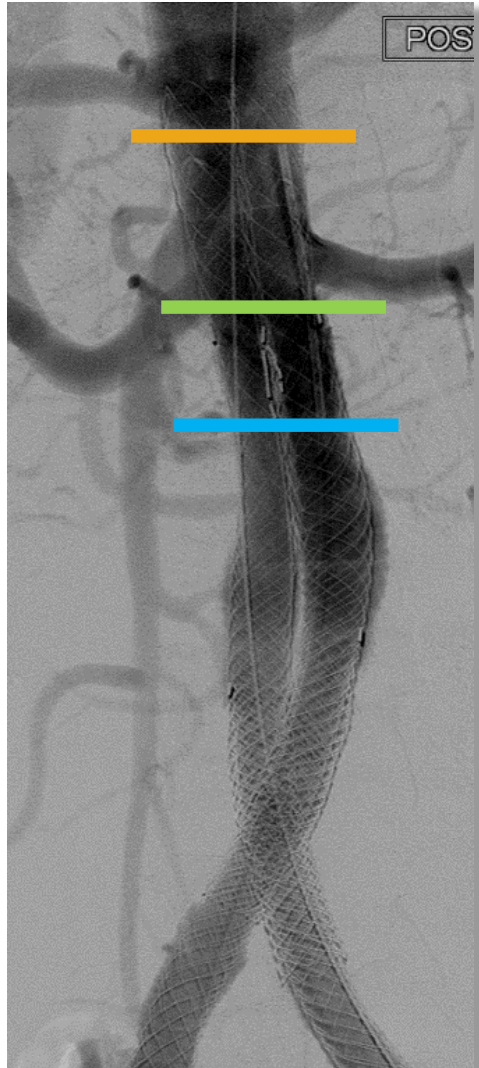
Aortic component diameter (mm)	Treatment Range (mm)	Iliac distal competent diameter (mm)	Treatment Range (mm)
24	18 – 22	13	8 – 11
27	21 – 25	17	11 – 15
30	24 – 28	21	15 – 18

First in man study

Clinical Success	30 Days	1 Year
Delivery Success	98% (56/57)	-
Freedom from Type I/III endoleaks	98% (54/55)	95% (39/41)
Freedom from rupture	100% (55/55)	100% (41/41)
Freedom from migration (> 5mm)	-	98% (40/41)
Freedom from conversion to open surgery	100% (55/55)	100% (41/41)
Freedom from sac growth	-	100% (41/41)
Freedom from occlusion	98% (54/55)	98% (40/41)

“D” Endograft Stability

Courtesy of Prof D Krievins

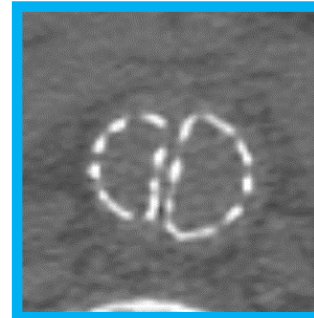
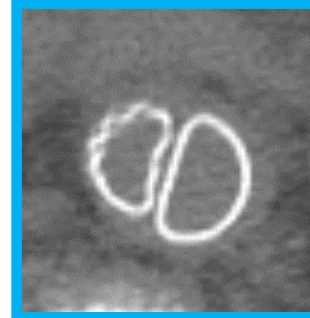
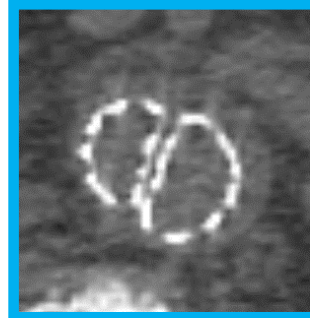
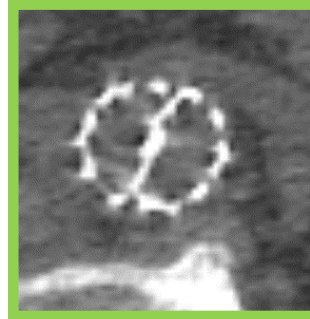
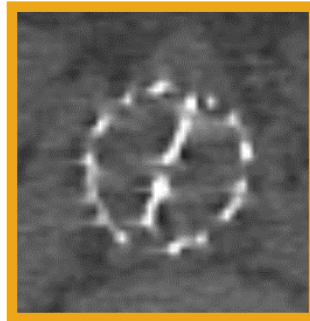


1 month

6 months

12 months

24 months

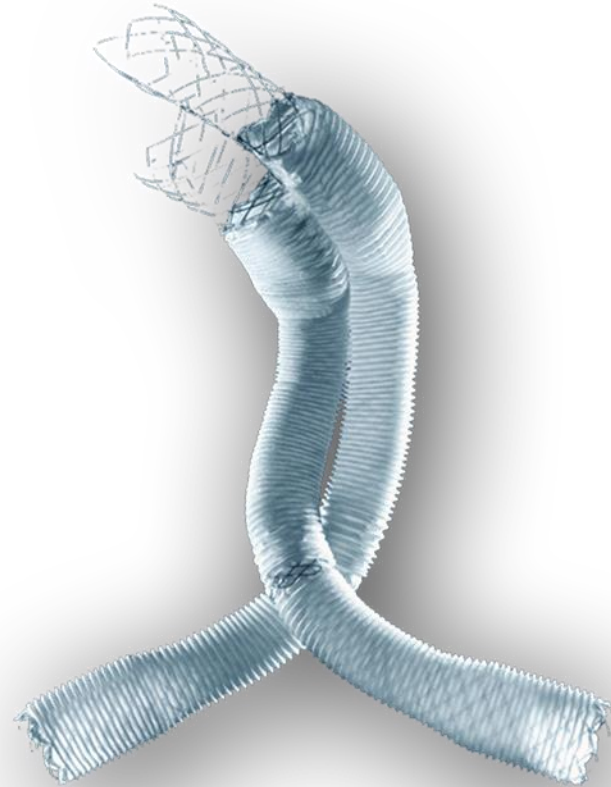


Personal experience

11 patients March – May 2016

- 100% procedural success
- No type 1 or 3 endoleak
- 7 discharged within 24 hours
- Deployment time 22-45 minutes

Two case examples....



D.D. 70 yr old

87 mm

15mm neck

60 angulation

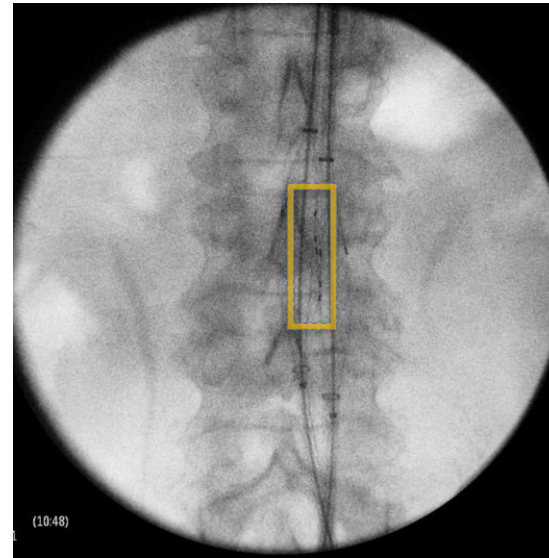
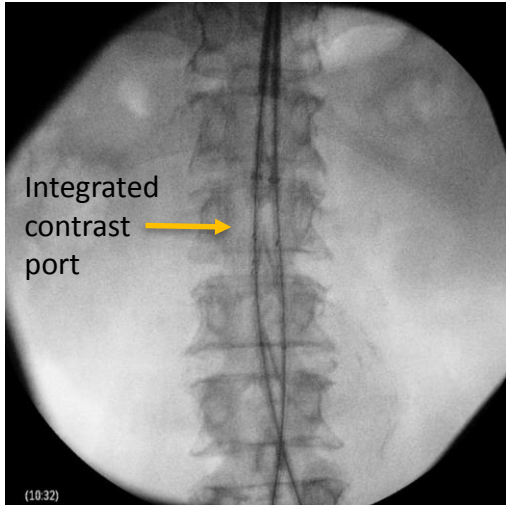
Calcified R CIA

Restrictive airways disease

Low anaerobic threshold



Aortic component positioning

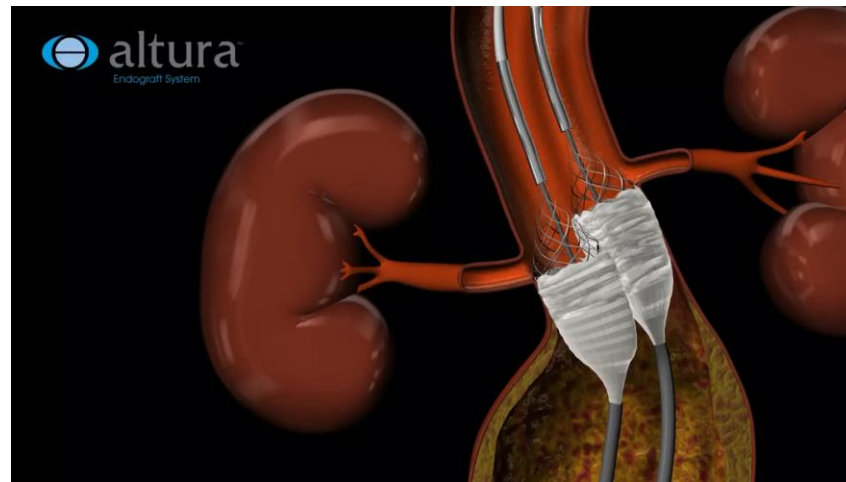
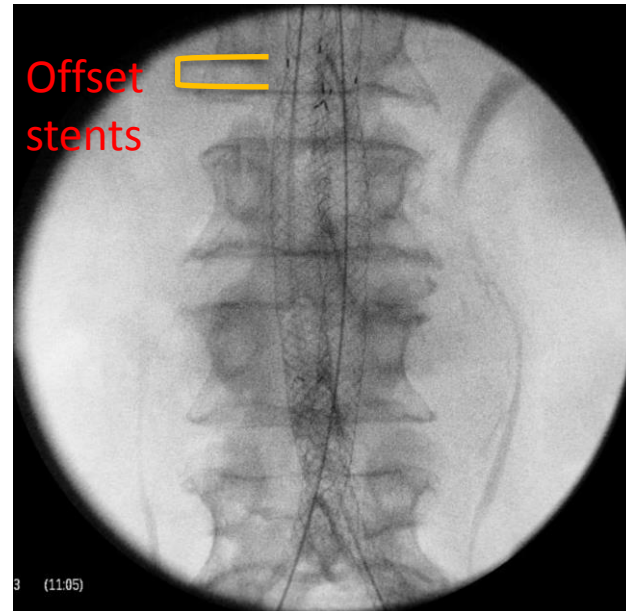
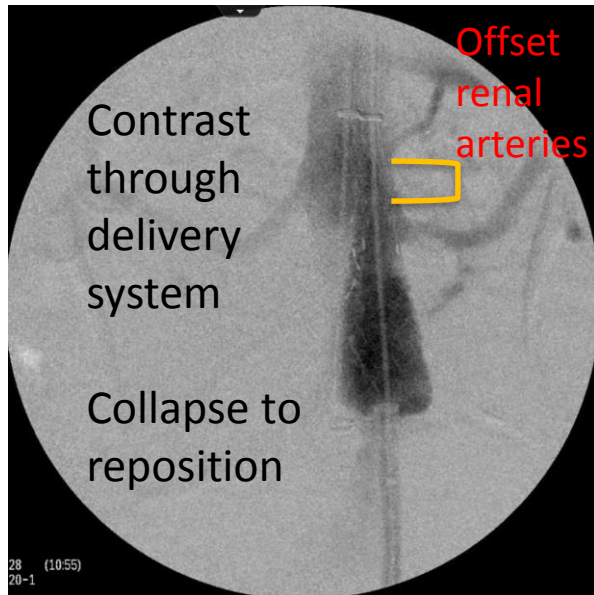


3 septal
markers

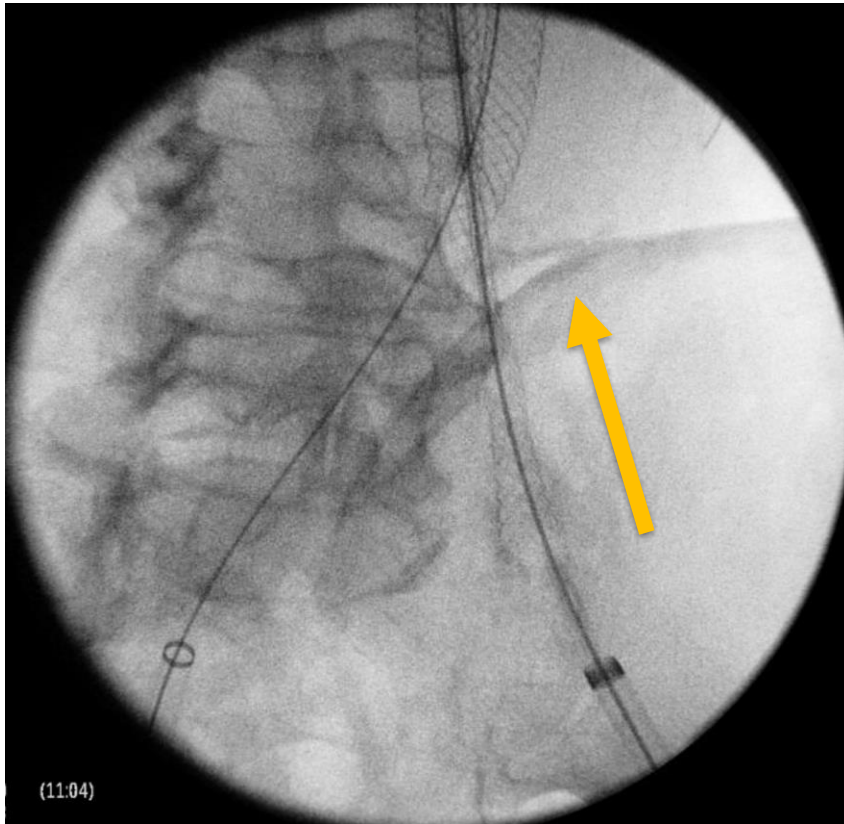
Fabric level
with 1st
marker



Aortic component repositioning



Iliac limb deployment



Retrograde

Start in External iliac
and push into common
iliac

2cm overlap

2 cm seal zone

Completion



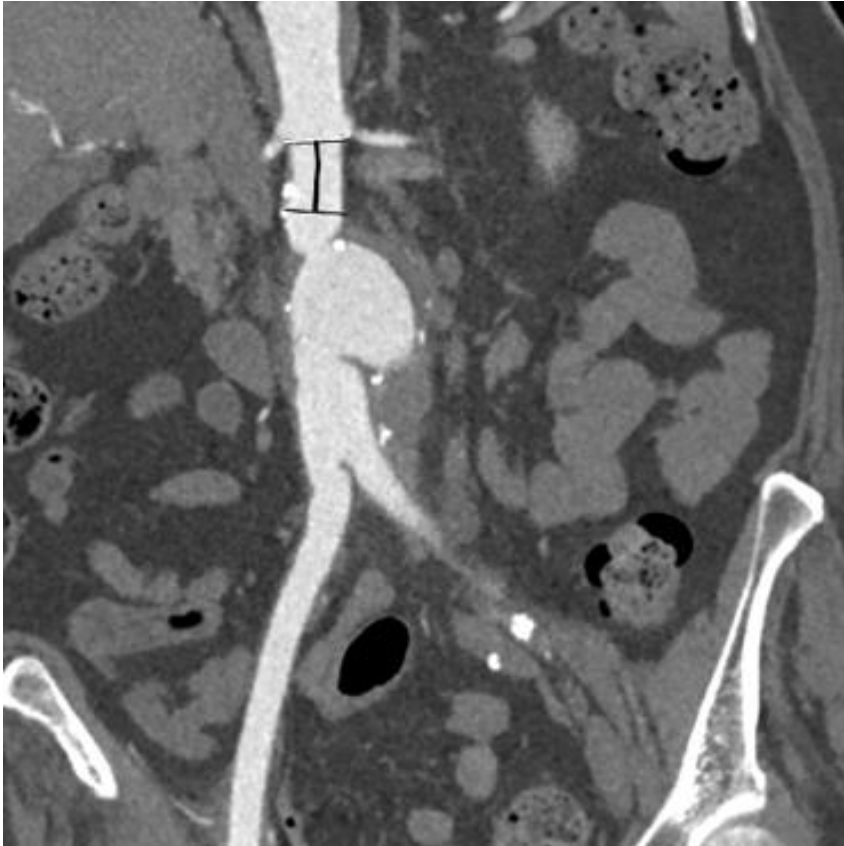
Completion



8 weeks

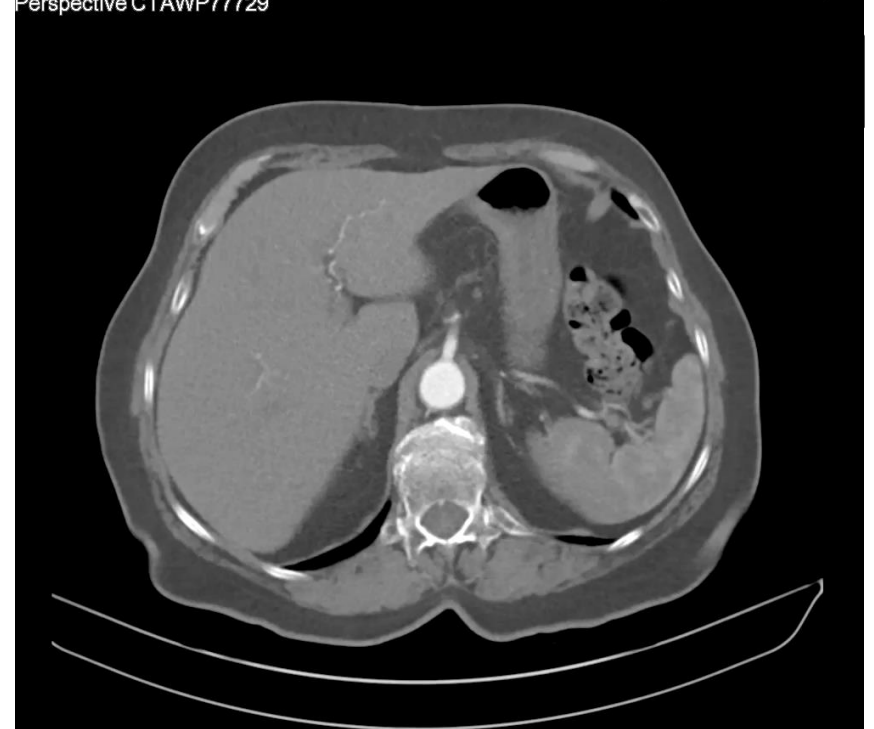


Pseudoaneurysm of aortic graft

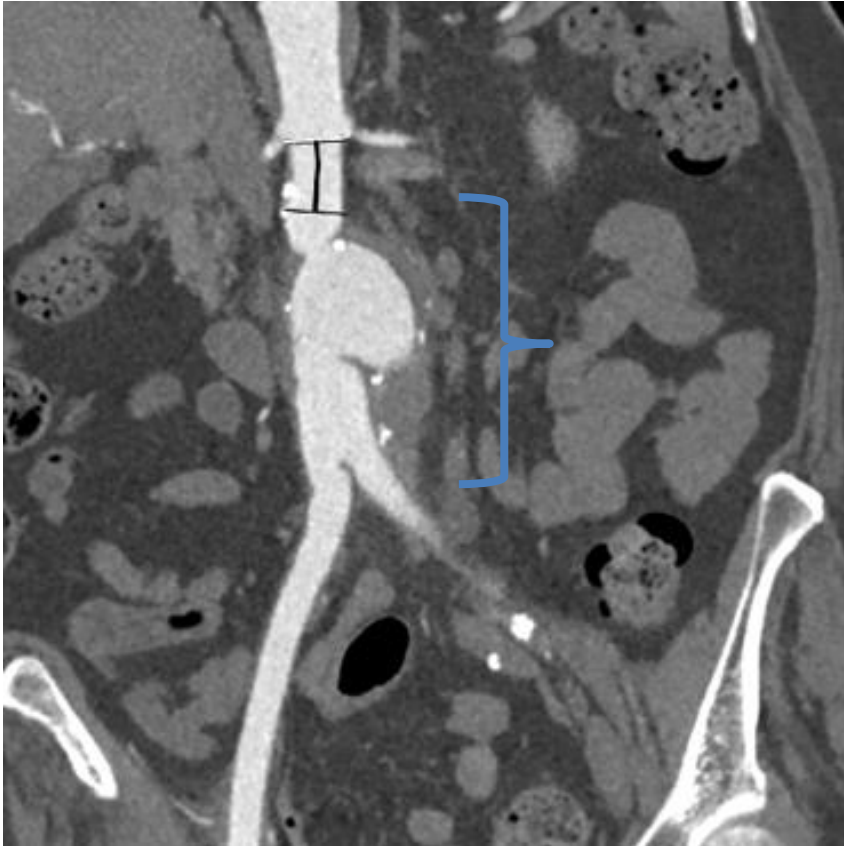


SIEMENS
Perspective CTAWP77729

Wythenshawe Hospital



Pseudoaneurysm of aortic graft



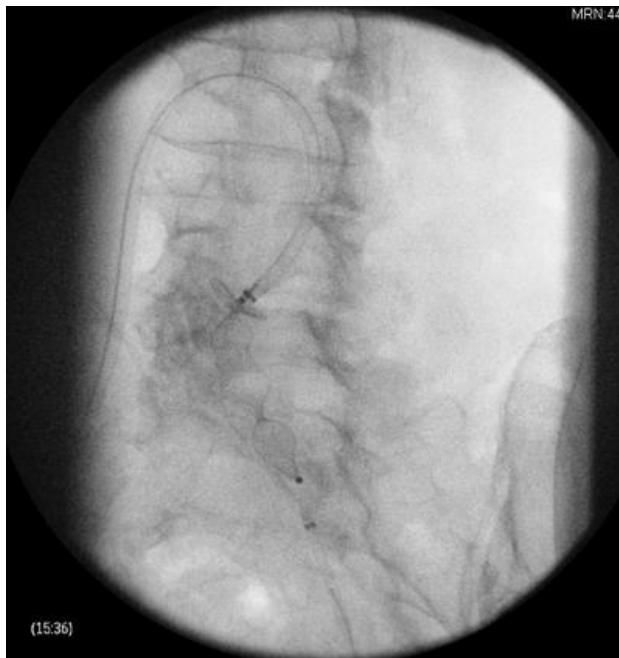
Back pain

7 years post ABG bypass

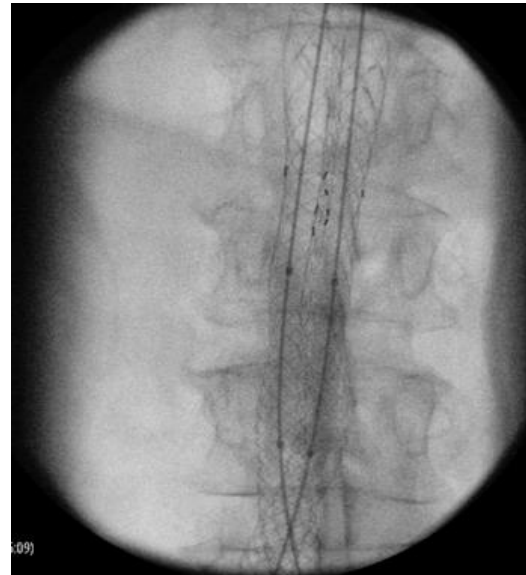
54mm

2cm proximal

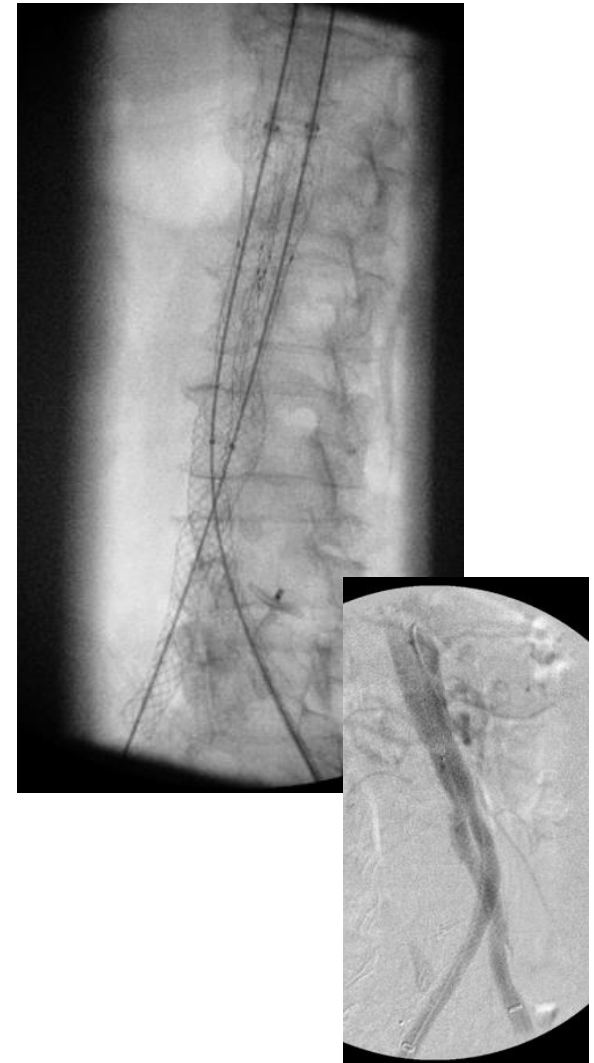
<2cm distal

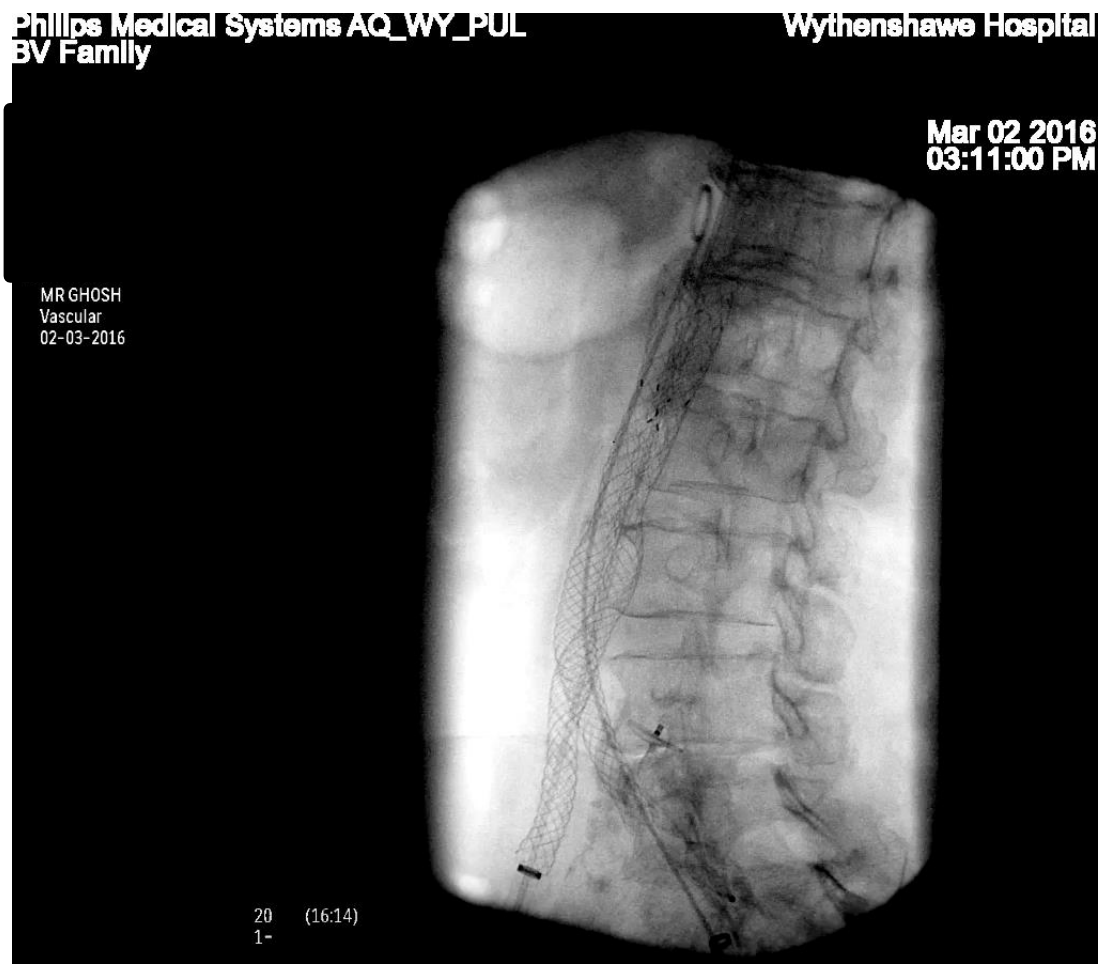


Embolisation of native
iliac



Orientation of
proximal
components





Rotational angiography



Altura 14F stent graft

Accurate, rapid infra-renal EVAR

6 components

Rapid deployment

Short stay / day case

Early and mid term data encouraging

