



**ENDOVASCULAR TREATMENT OF AN  
ANASTOMOTIC ANEURYSM BETWEEN AN  
AORTO-BI-ILIAC GRAFT LIMB AND  
RETROGRADE SMA VEIN BYPASS  
RESULTING IN AORTO-BI-ILIAC GRAFT  
COMPRESSION AND CLAUDICATION**

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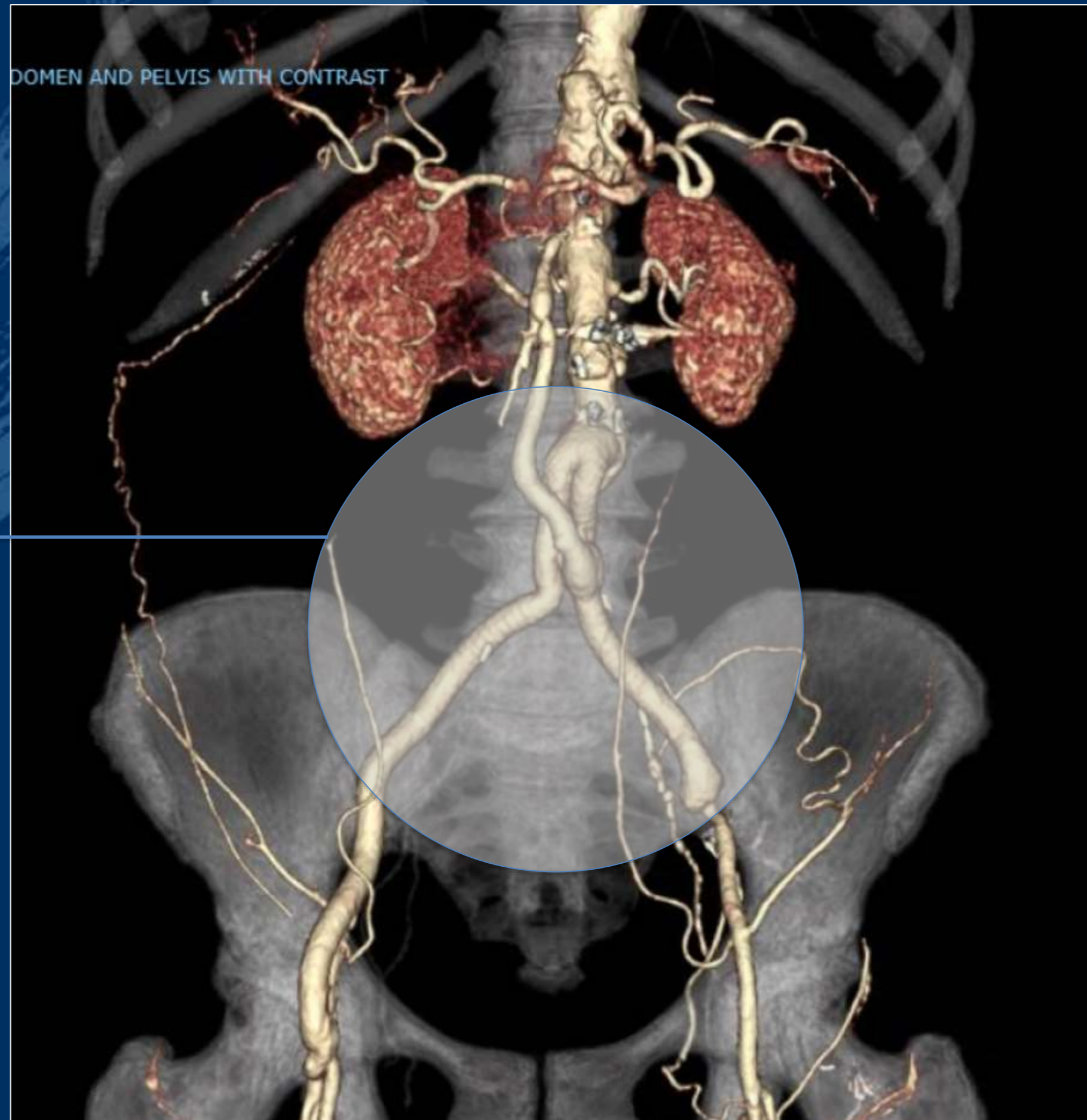
# DISCLOSURES

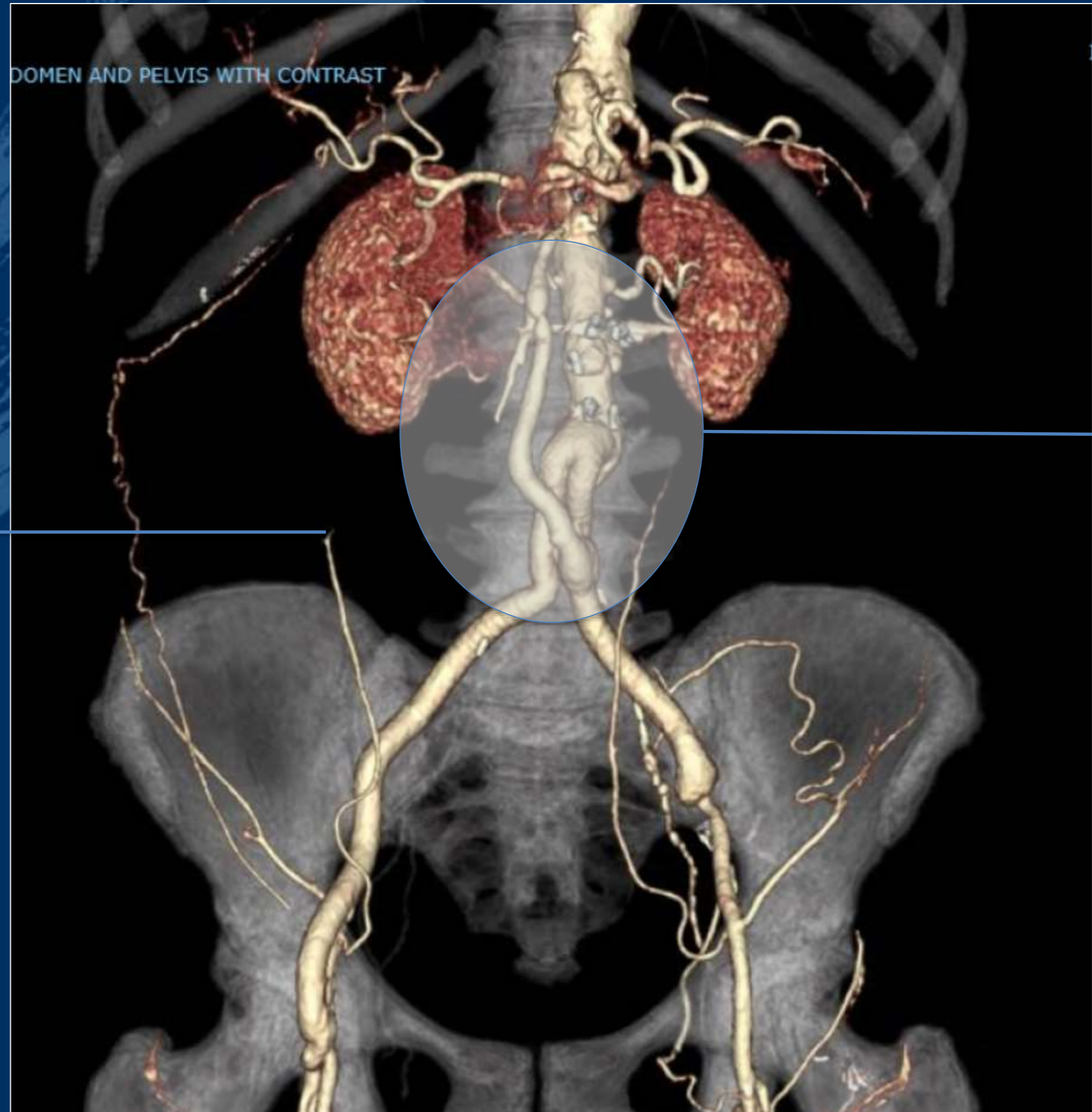
Boston Scientific: Consultant

Medtronic: Consultant

**1989**

Aorto-bi-iliac graft



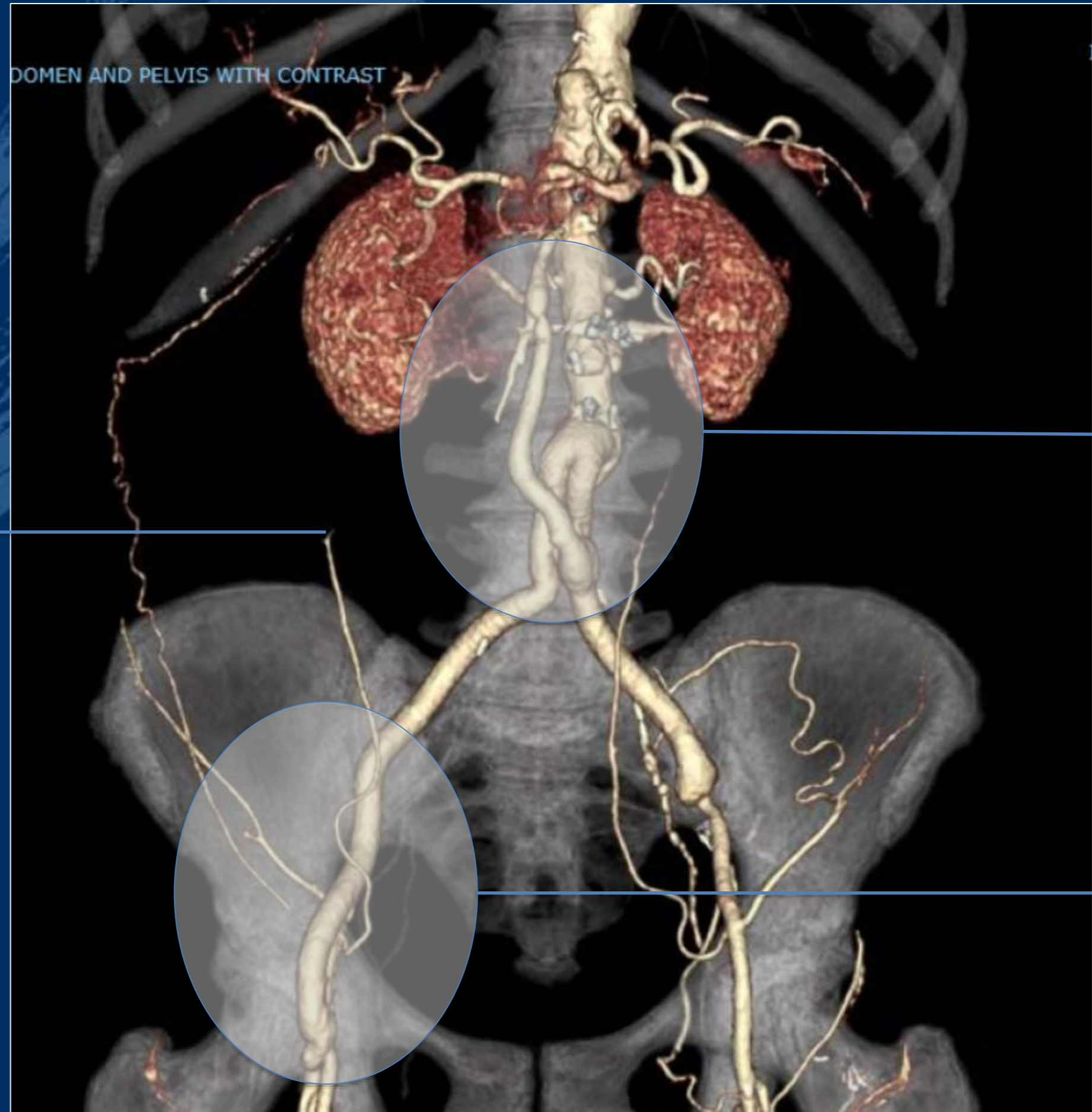


**1989**

Aorto-bi-iliac graft

**2006**

L limb – SMA  
Retrograde Vein Bypass



**1989**

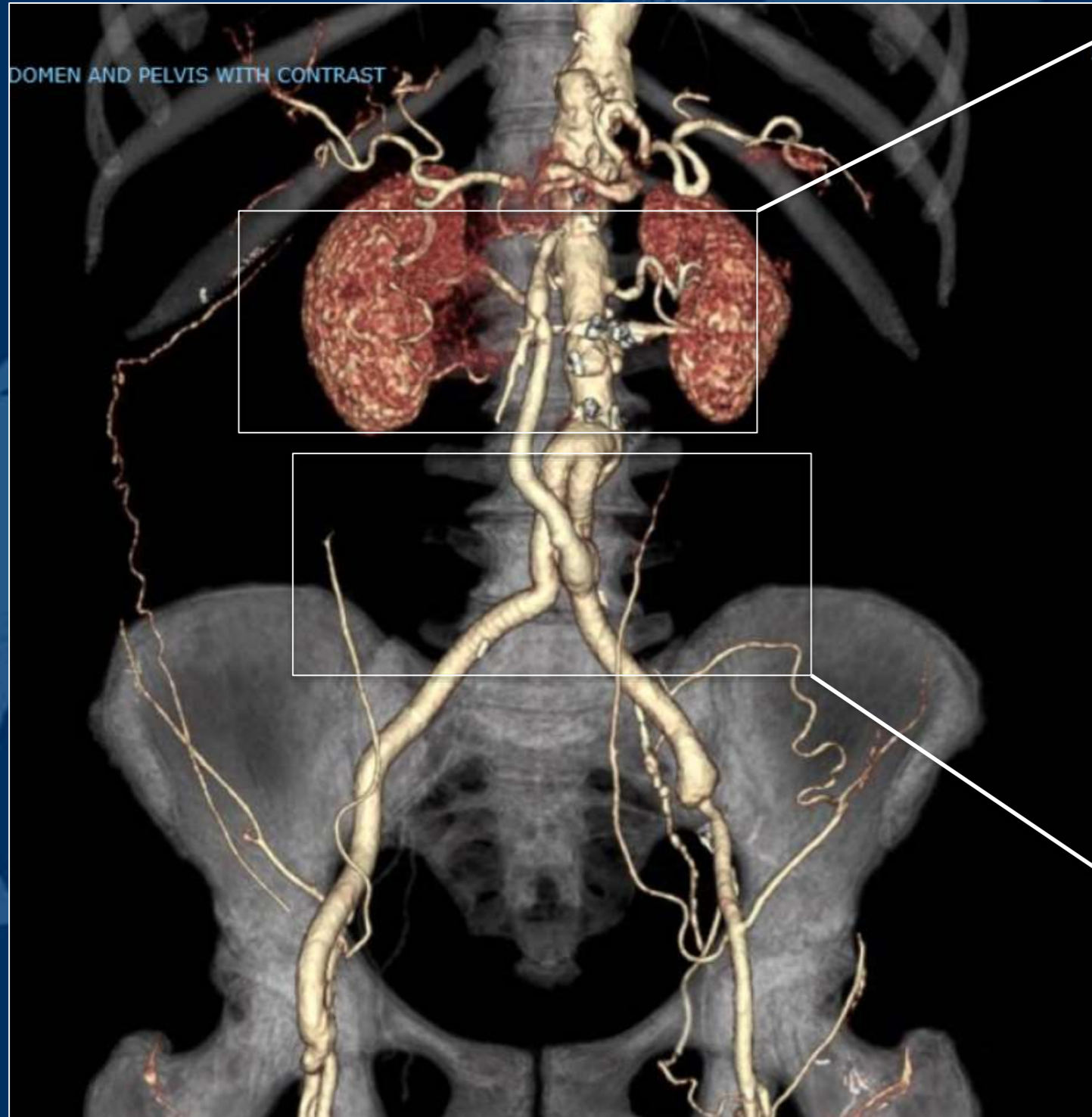
Aorto-bi-iliac graft

**2006**

L limb – SMA  
Retrograde Vein Bypass

**2006**

Revision to R CFA



Distal anastomotic stenosis



Dilation of distal anastomosis

# 2014 CT Angiogram

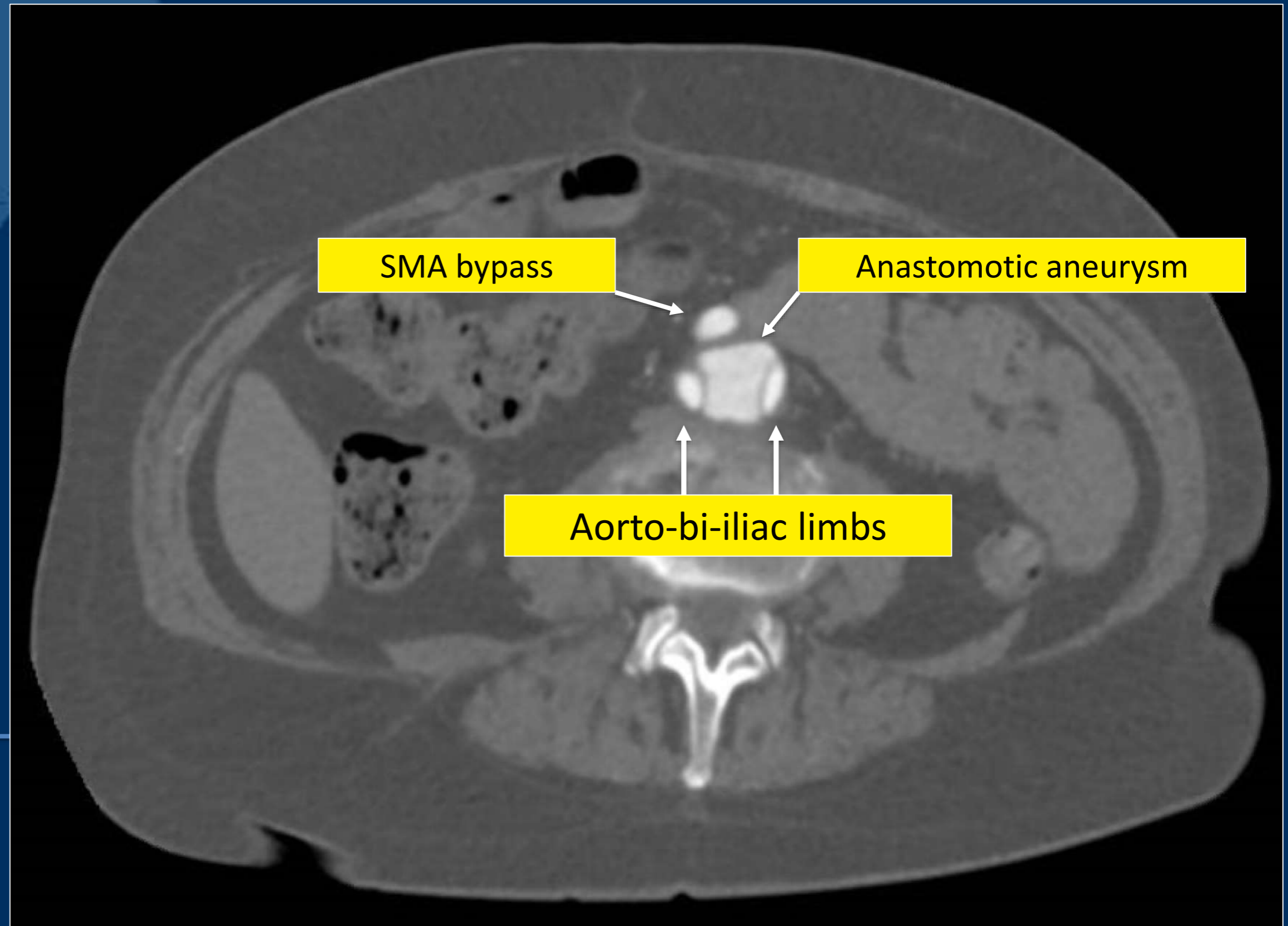
## 2019

- New left calf claudication
- US reveals velocity elevation in proximal left limb of graft
- ABI falls to 0.76



**2019**

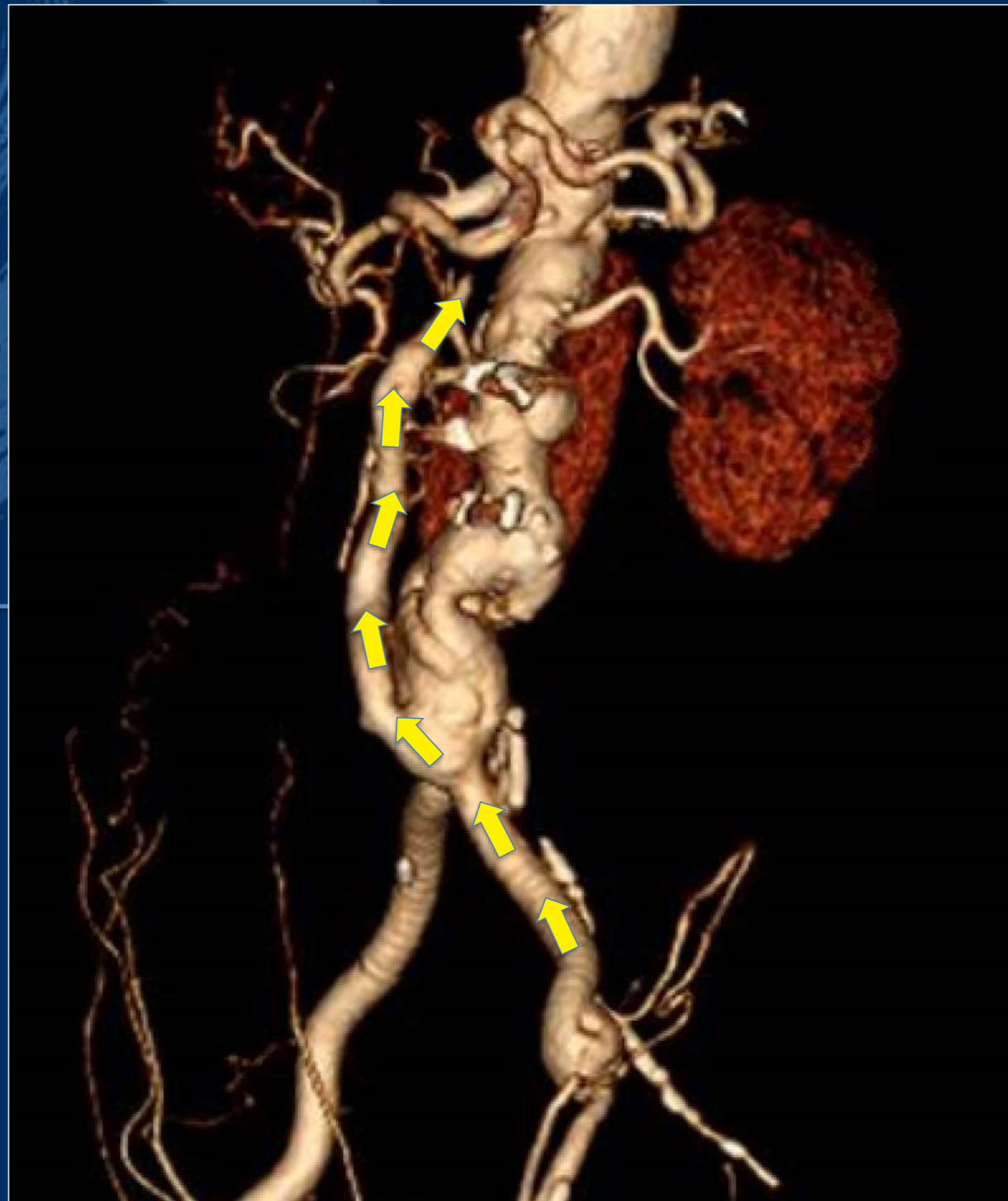
Anastomotic aneurysm  
resulting in bilateral limb  
compression





**2<sup>nd</sup> Open  
Revision?**

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**Endovascular  
Option?**

1

Retrograde SMA  
stenting

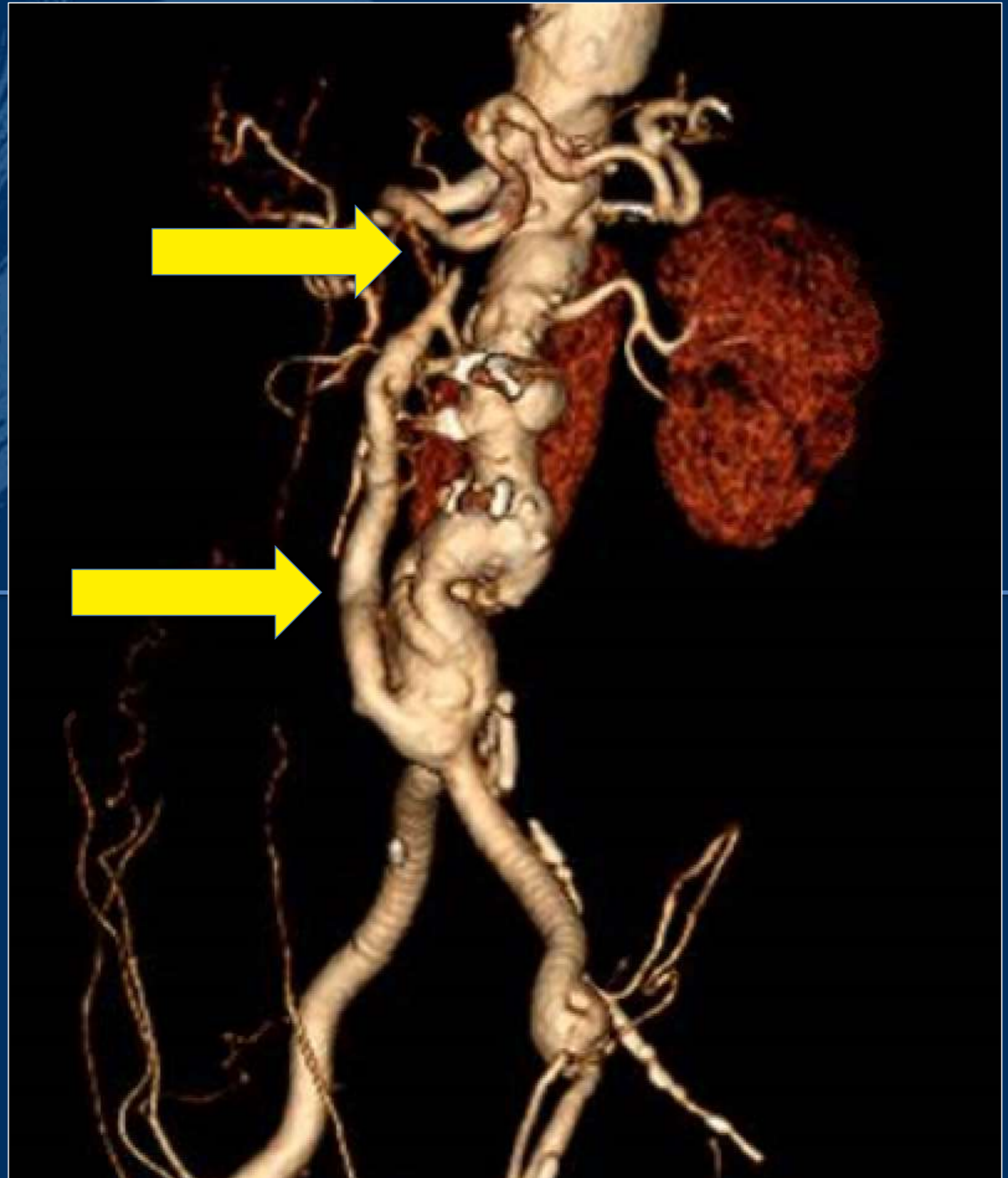


1

Retrograde SMA stenting

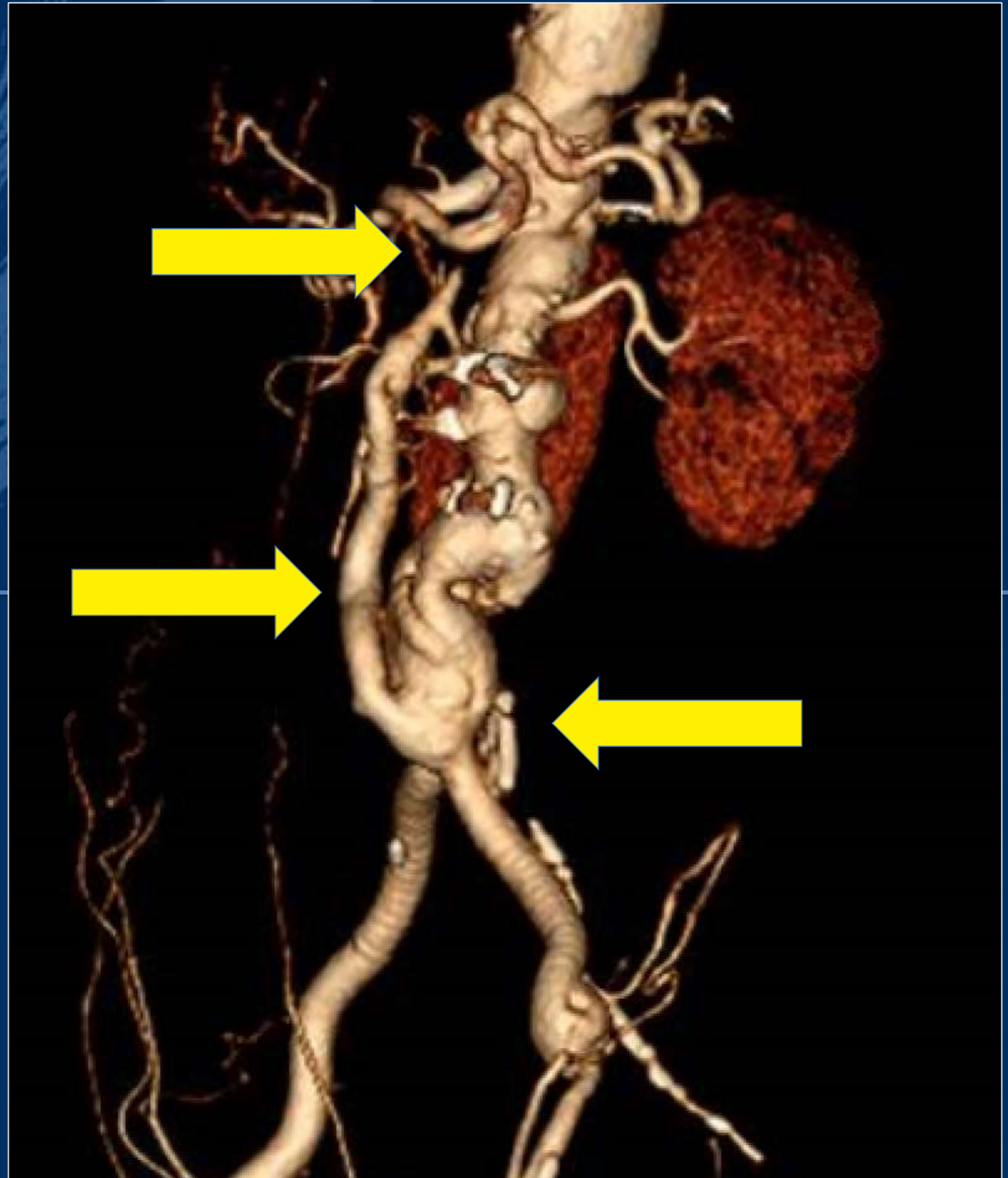
2

Coil embolization of vein bypass



**1** Retrograde SMA stenting

**2** Coil embolization of vein bypass



**3** Stent graft coverage of aneurysm

1

Retrograde SMA  
stenting



Initial  
Aortogram

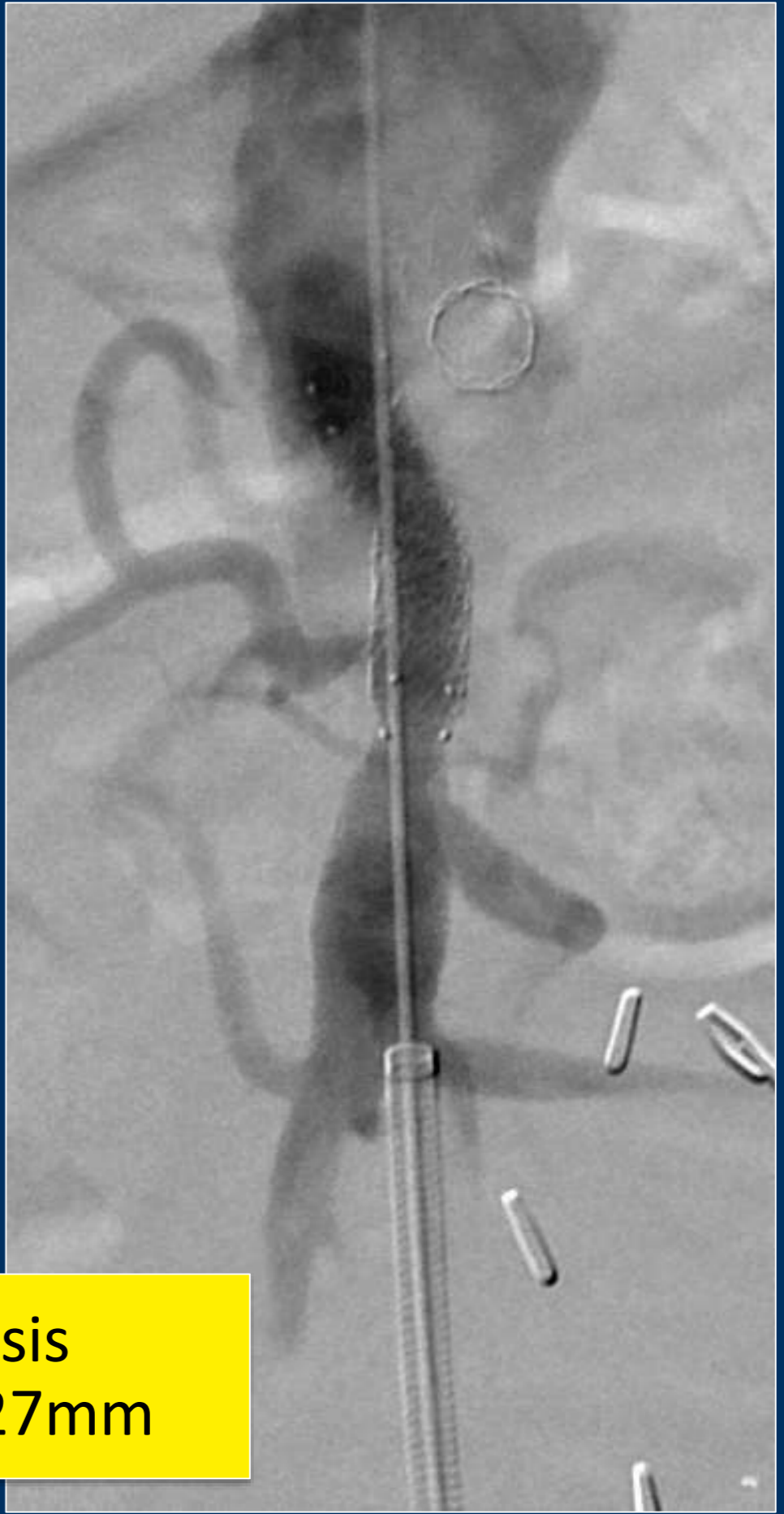
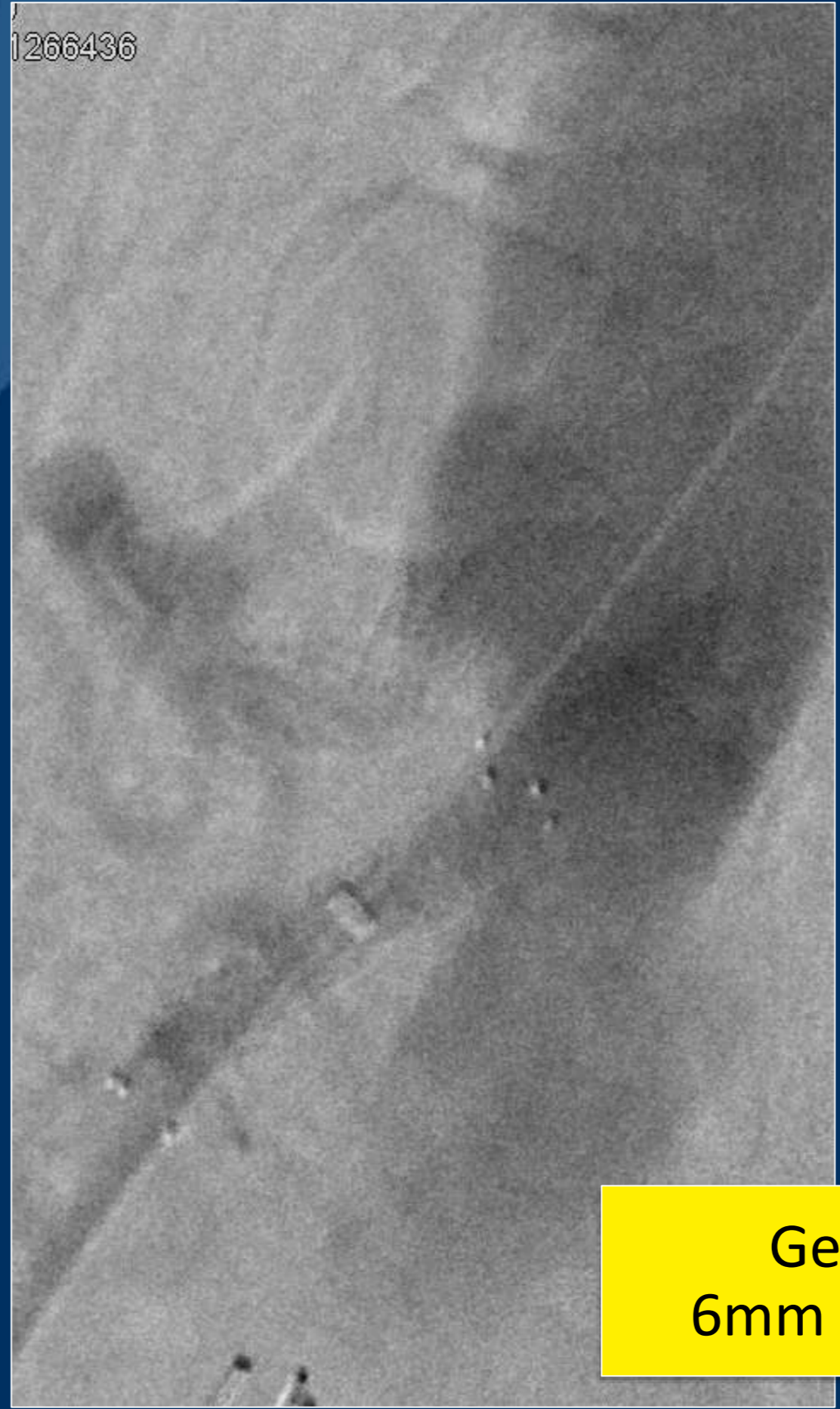
1

# Retrograde SMA stenting



1

Retrograde SMA  
stenting



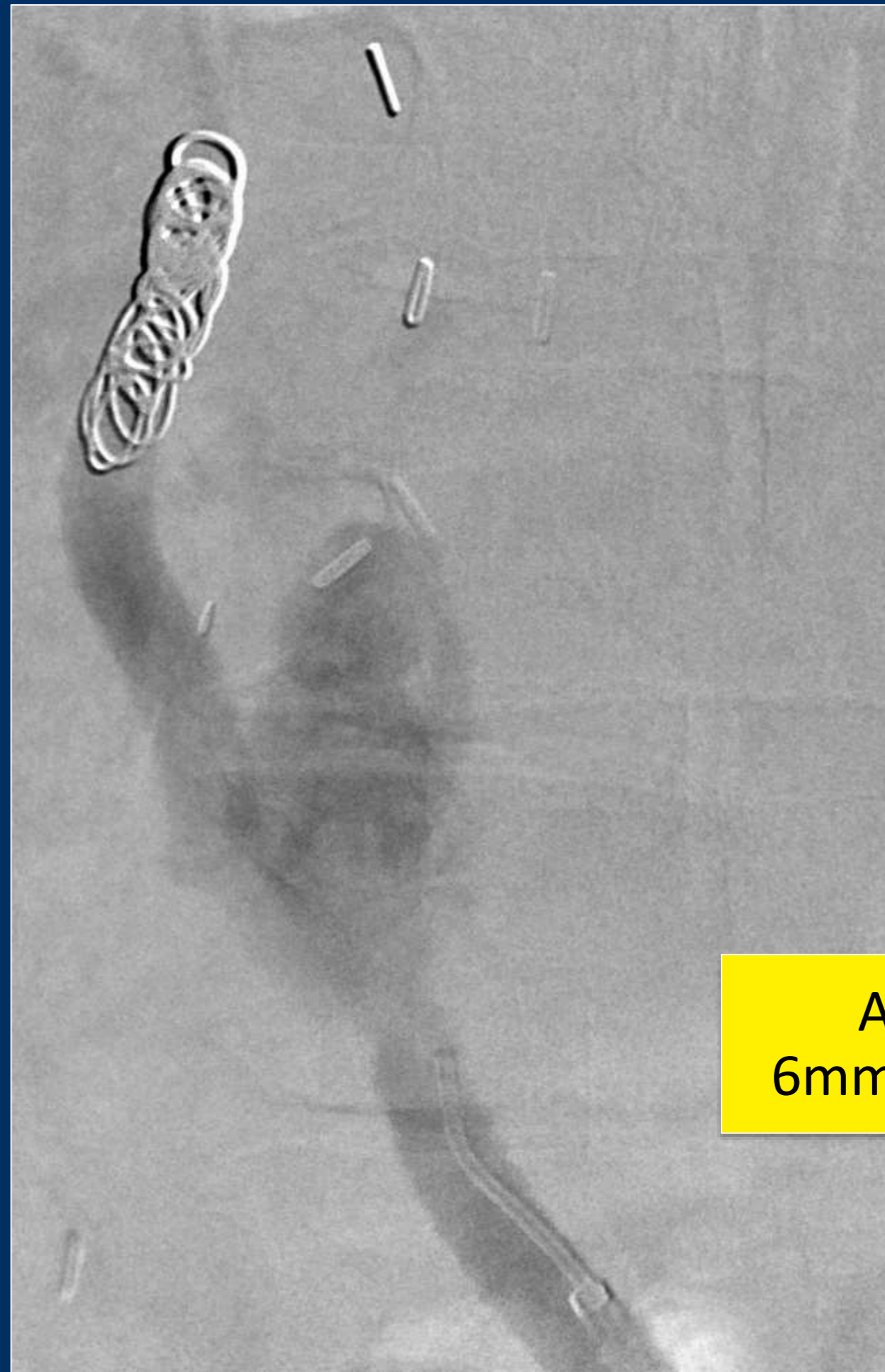
Genesis  
6mm x 27mm

1

Retrograde SMA  
stenting

2

Coil  
embolization of  
vein bypass



Azur coils  
6mm, 8mm coils



1

Retrograde SMA  
stenting

2

Coil  
embolization of  
vein bypass

3

Stent graft  
coverage of  
aneurysms



1 Retrograde SMA stenting

2 Coil embolization of vein bypass

3 Stent graft coverage of aneurysms



VBX  
8mm x 59mm

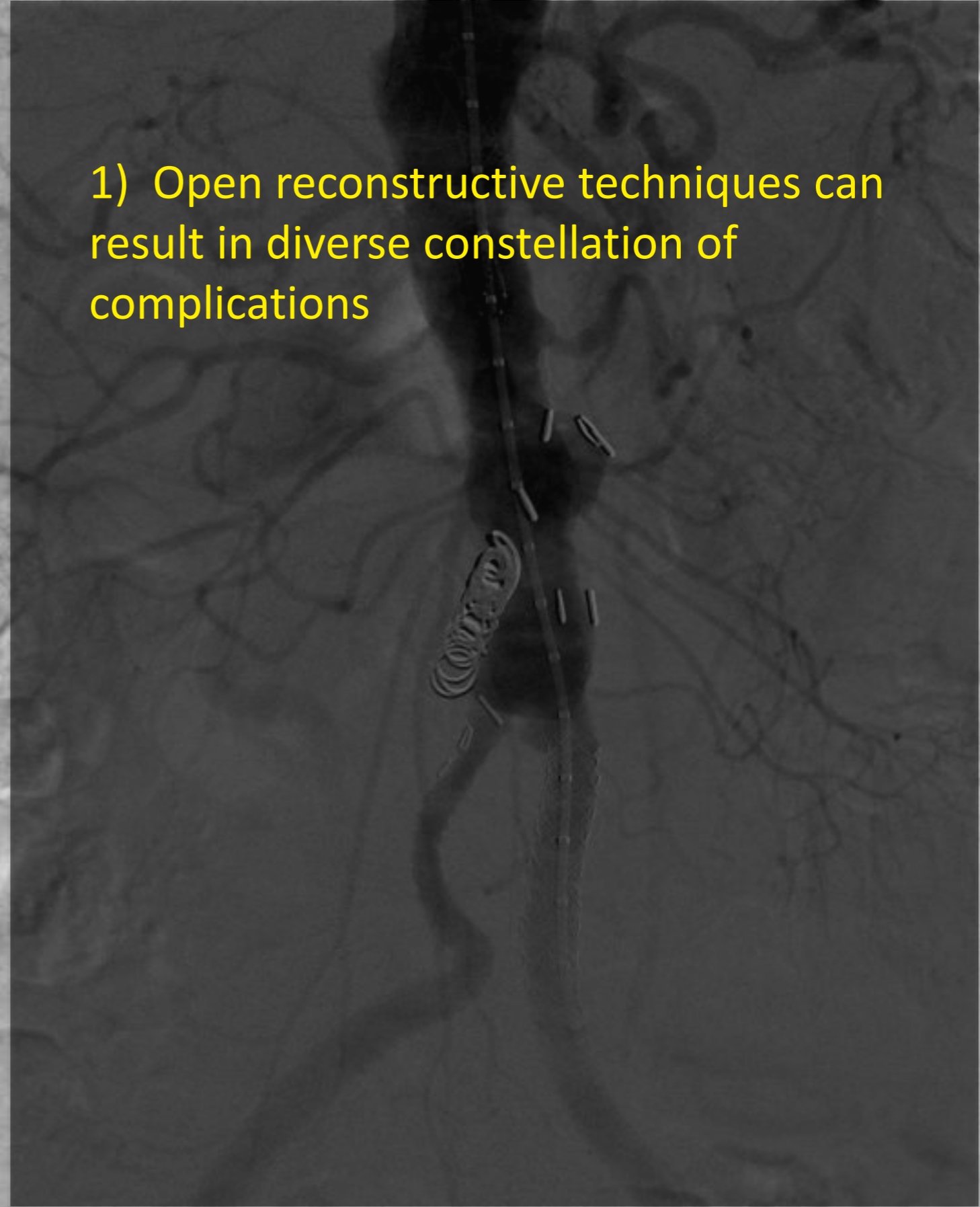
Viabahn  
7mm x 50mm

**FINAL  
AORTOGRAM**



## LESSONS LEARNED

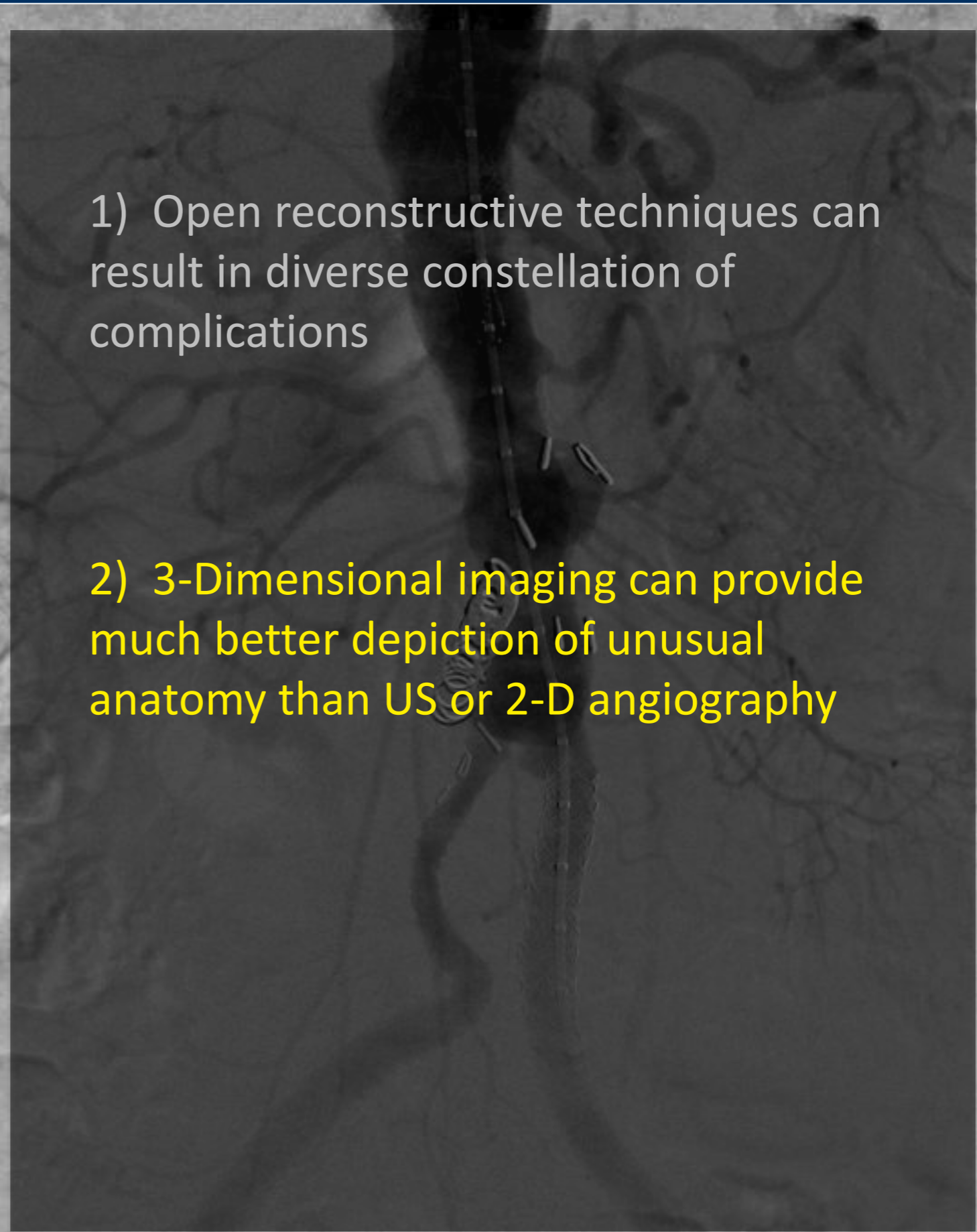
1) Open reconstructive techniques can result in diverse constellation of complications



## LESSONS LEARNED

1) Open reconstructive techniques can result in diverse constellation of complications

2) 3-Dimensional imaging can provide much better depiction of unusual anatomy than US or 2-D angiography



## LESSONS LEARNED

- 1) Open reconstructive techniques can result in diverse constellation of complications
- 2) 3-Dimensional imaging can provide much better depiction of unusual anatomy than US or angiography
- 3) Advancements in coil and covered stent technologies have broadly expanded endovascular treatment options

LINC

**THANK-YOU**





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