

My worst nightmare

Polymer based endograft and thrombus

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Disclosures:

Consultant for Medtronic, Bentley

Research grants: Cardionovum, Medtronic

Male, 71 years

Hypertension

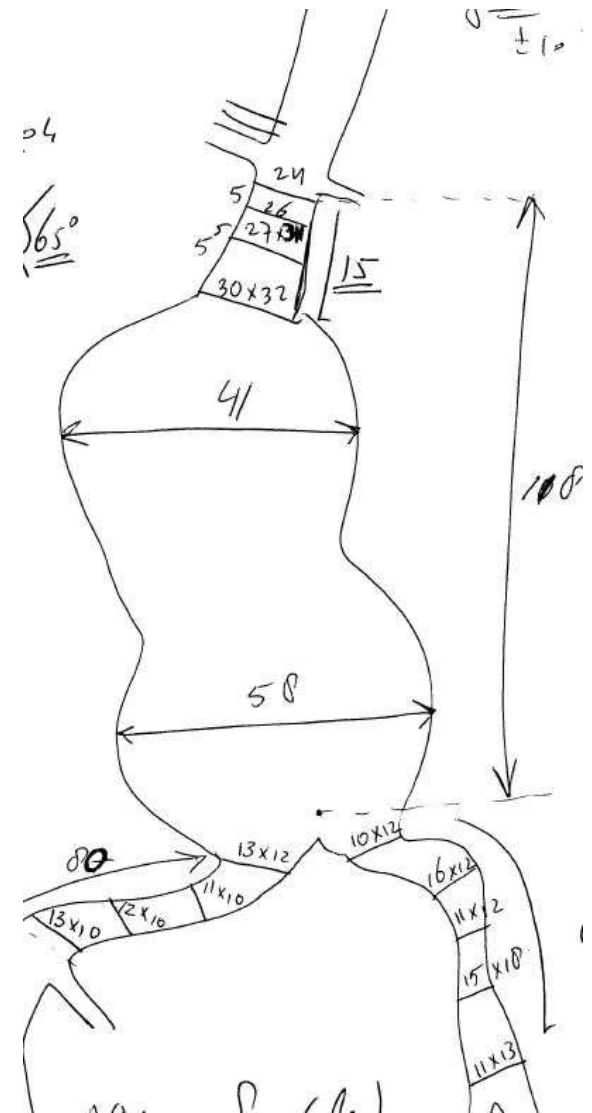
CABG (2006)

COPD Gold II

AAA: 2013: 4.9 cm 2014: 5.8 cm

ABI: 1 (both legs)

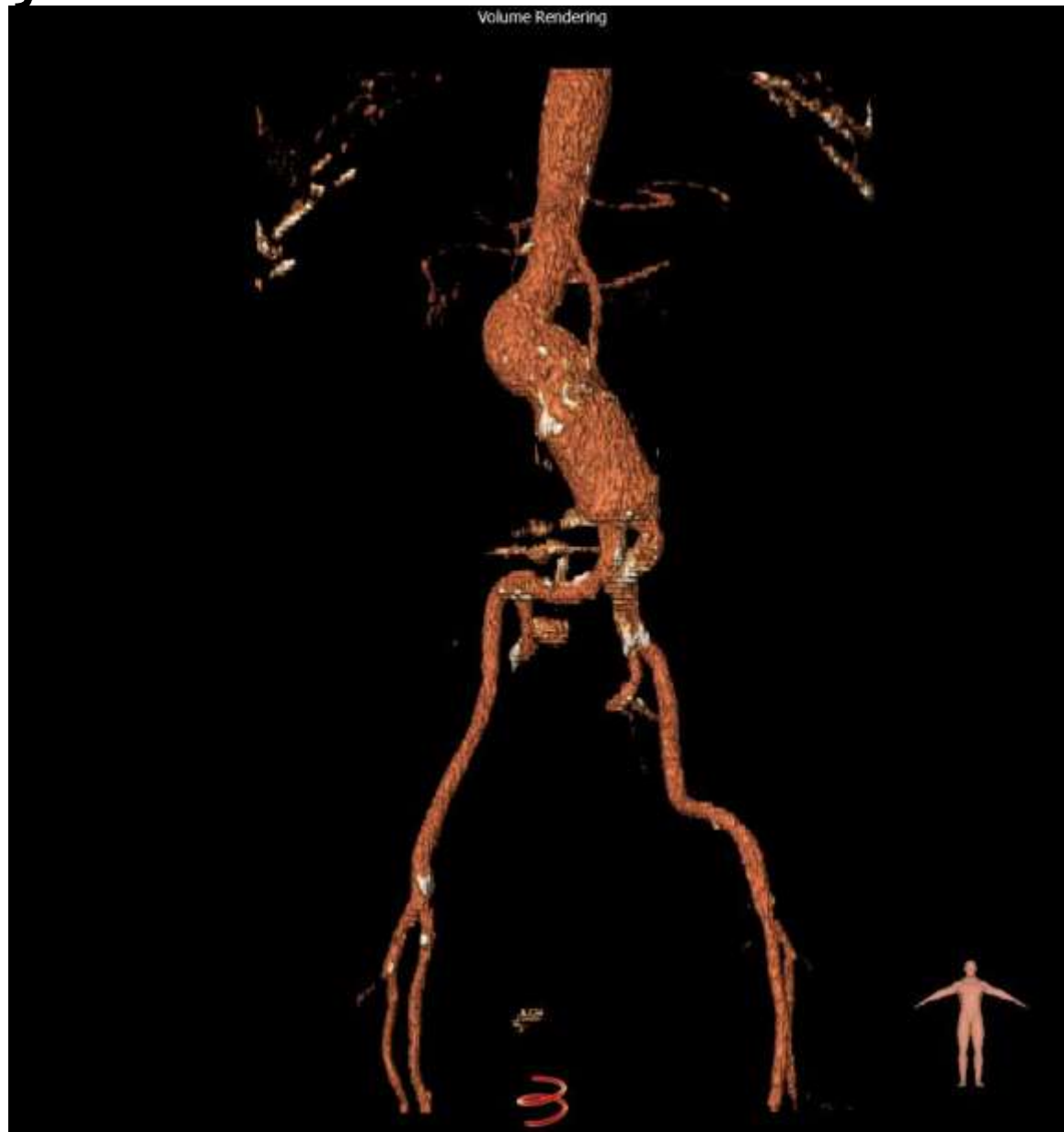
Duplex: femoro-popliteal: no stenoses



Male, 71 years



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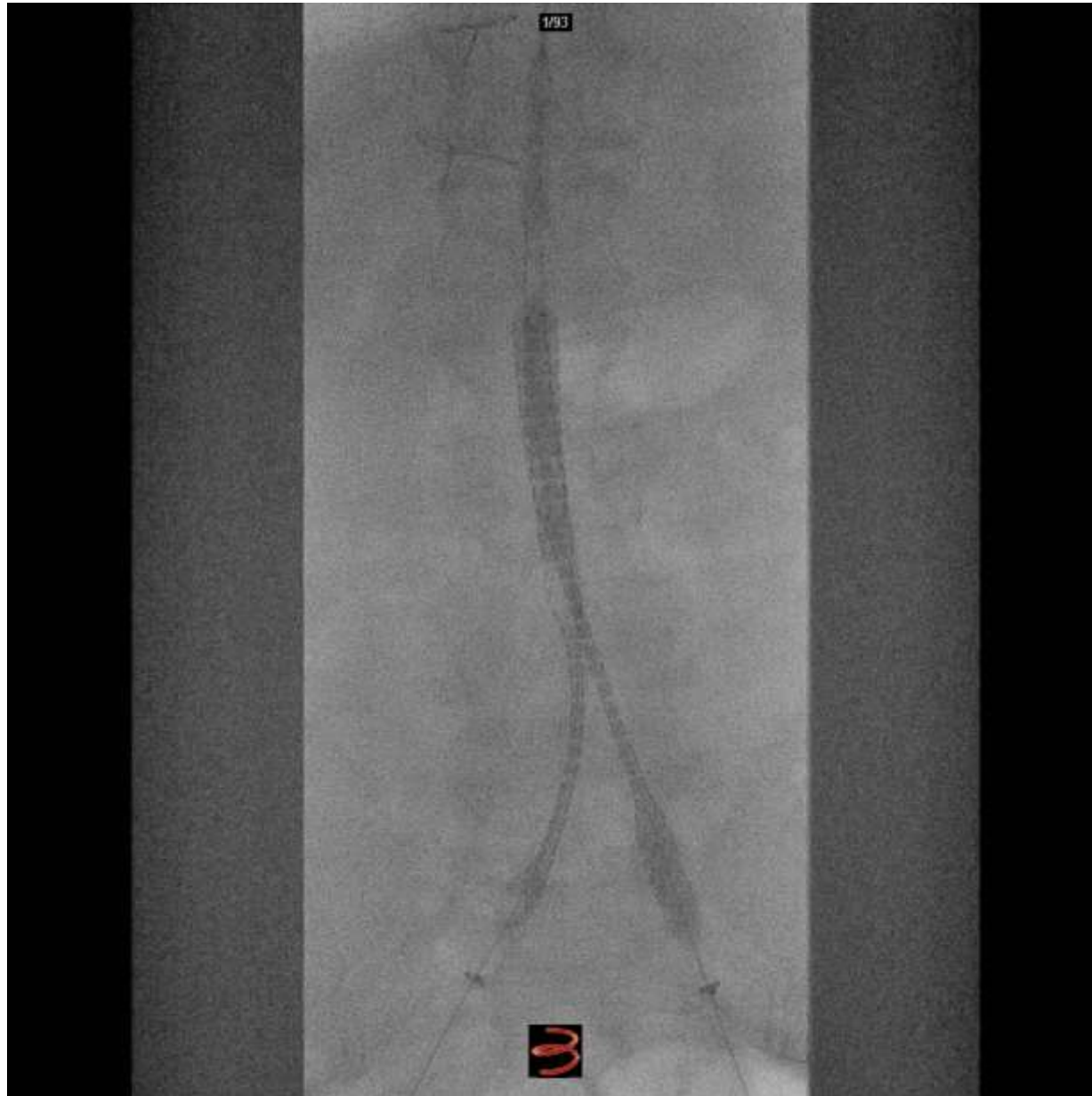


March 15th 2013: EVAS

1/16



March 15th 2013: EVAS

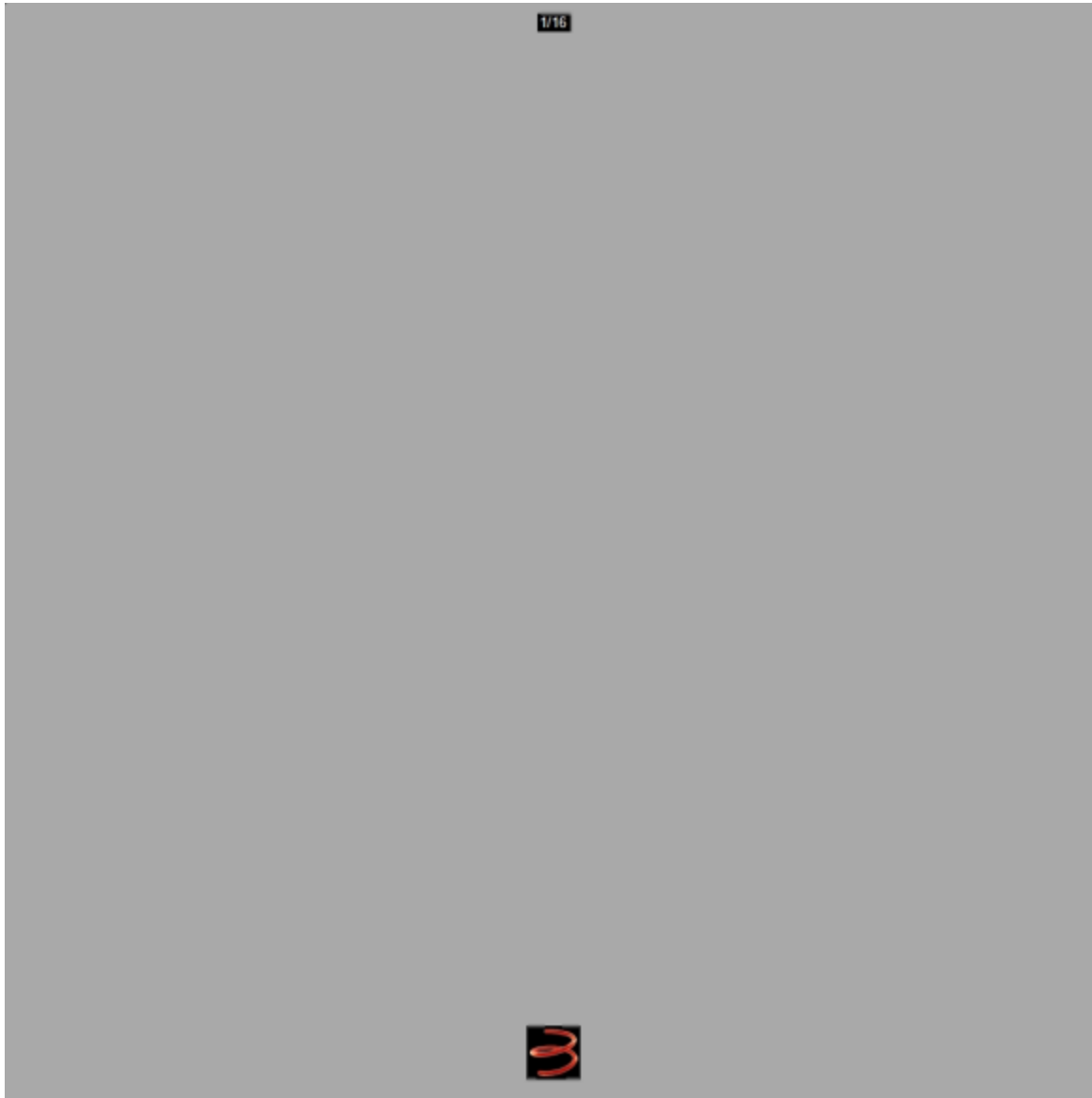


March 15th 2013: EVAS

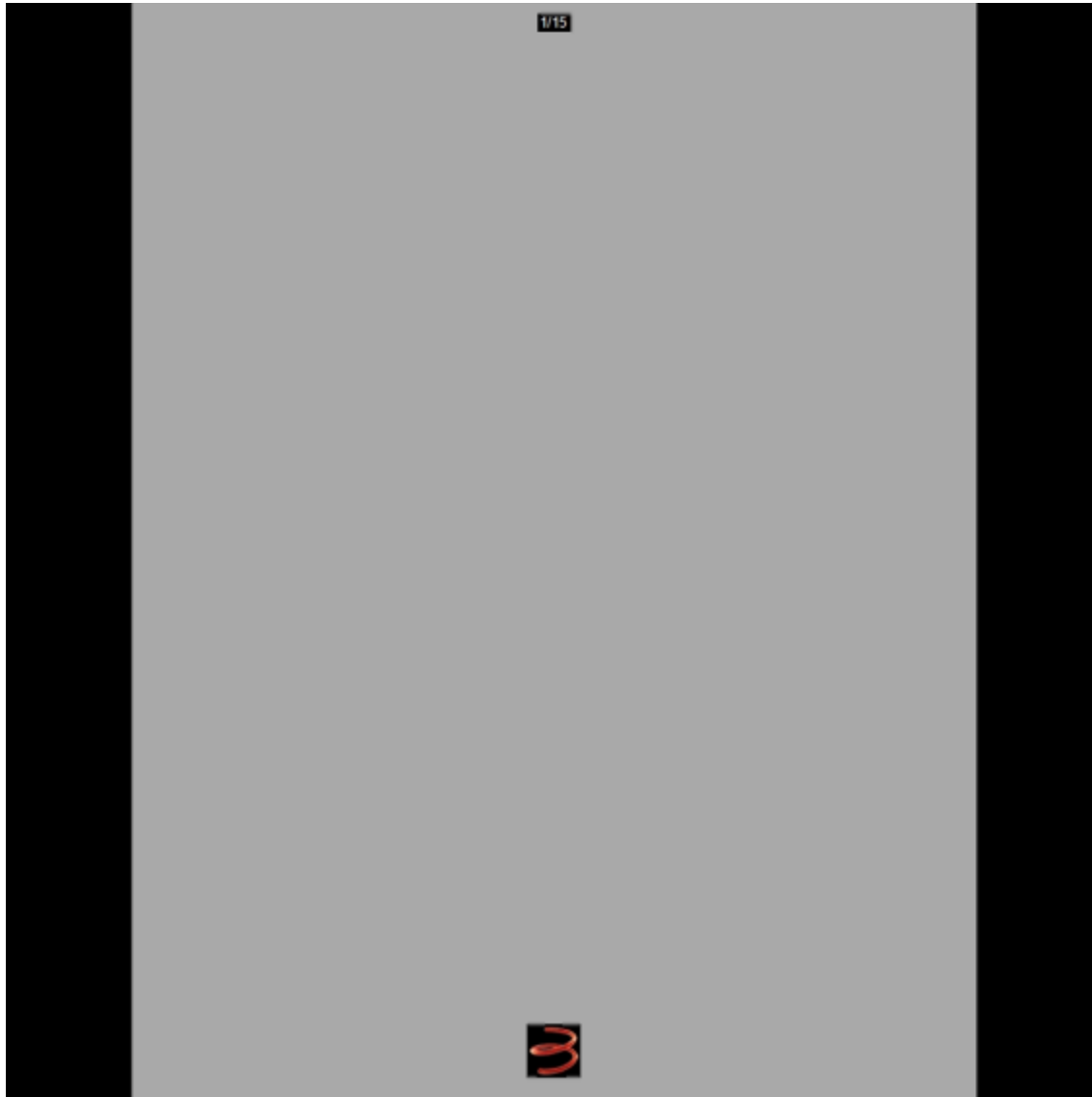
1/13



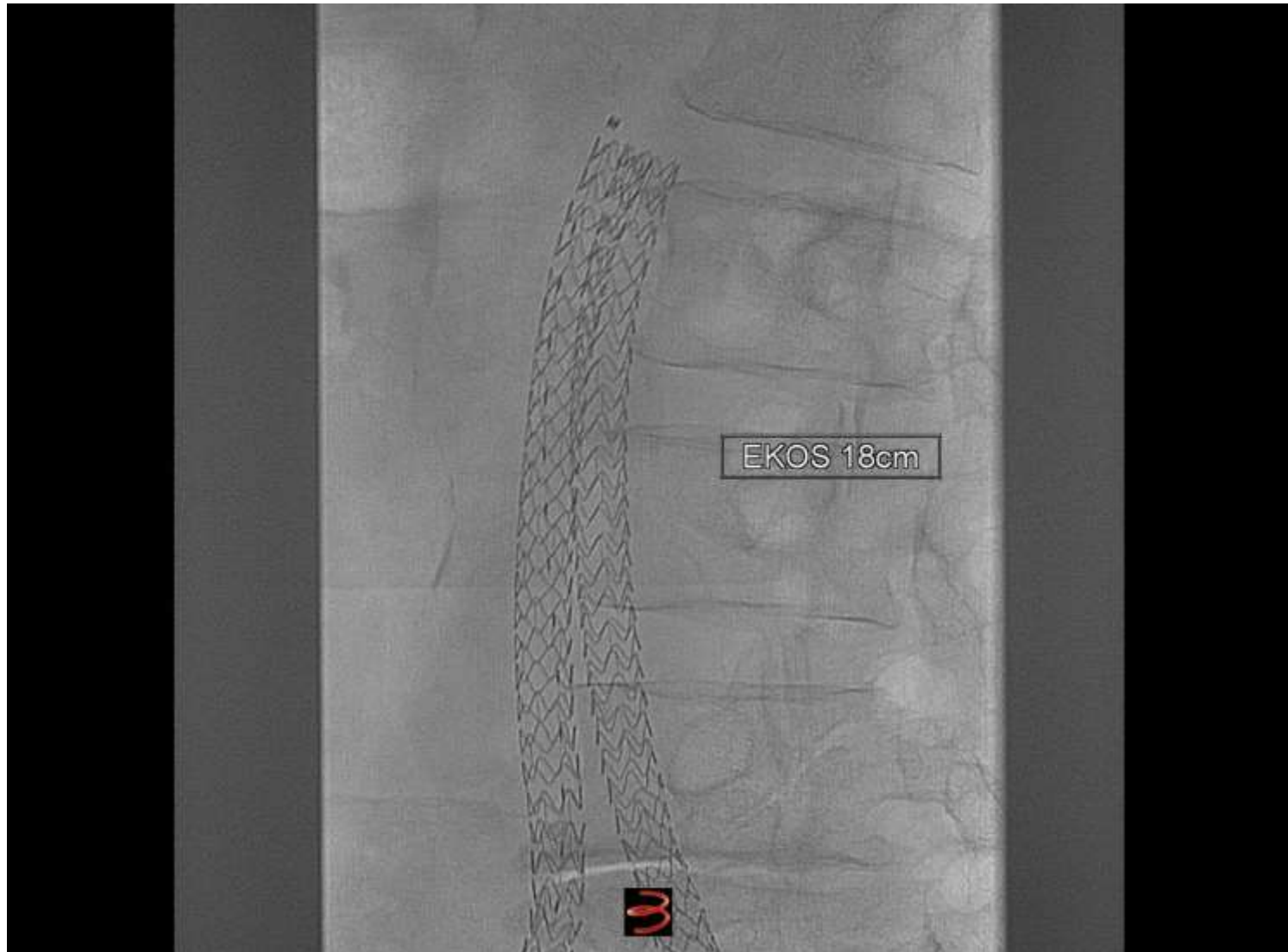
March 15th 2013: EVAS



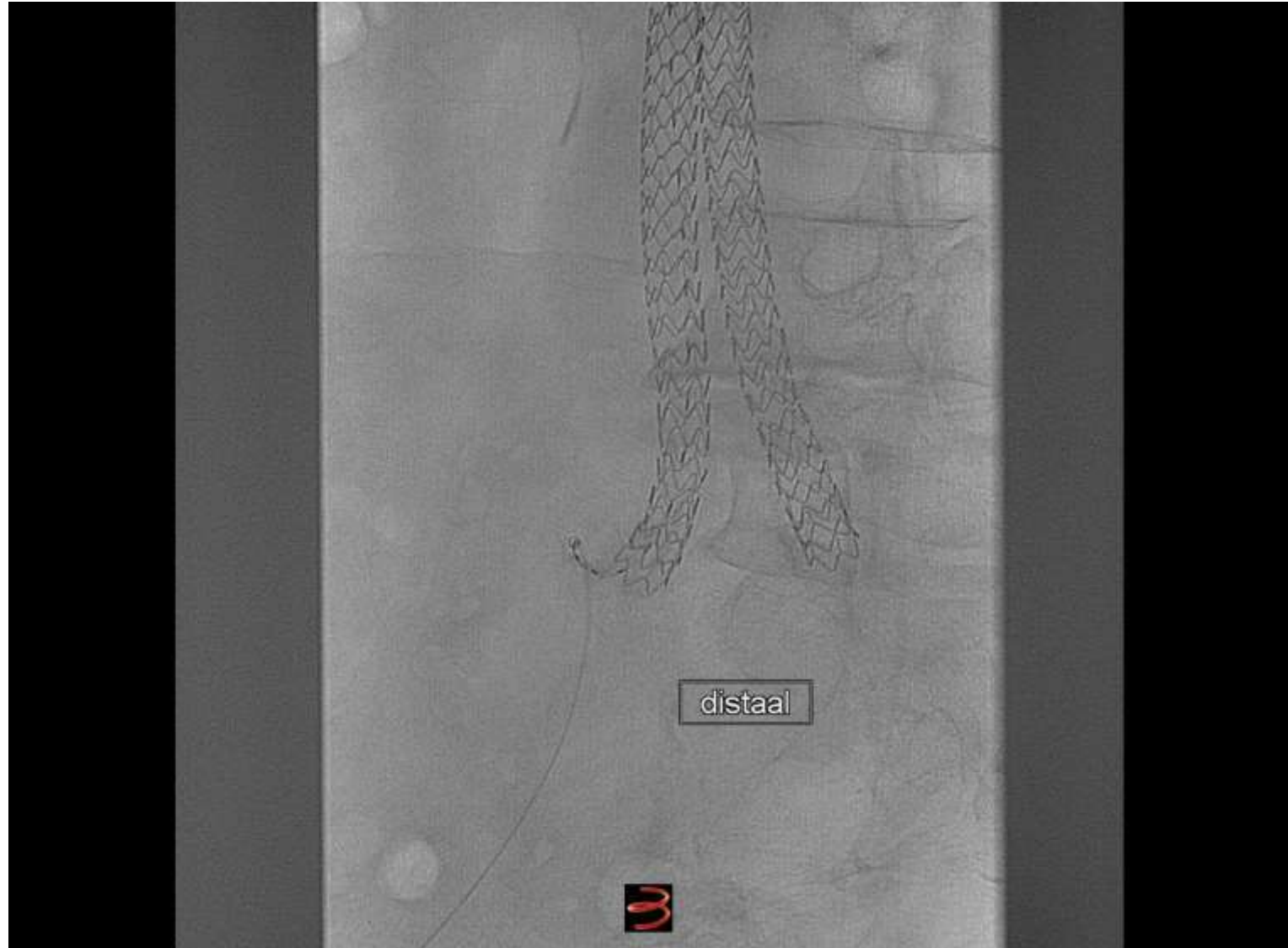
April 18th 2013: Claudication right leg, ABI 0.65



April 18th 2013: Thrombolysis (EKOS)



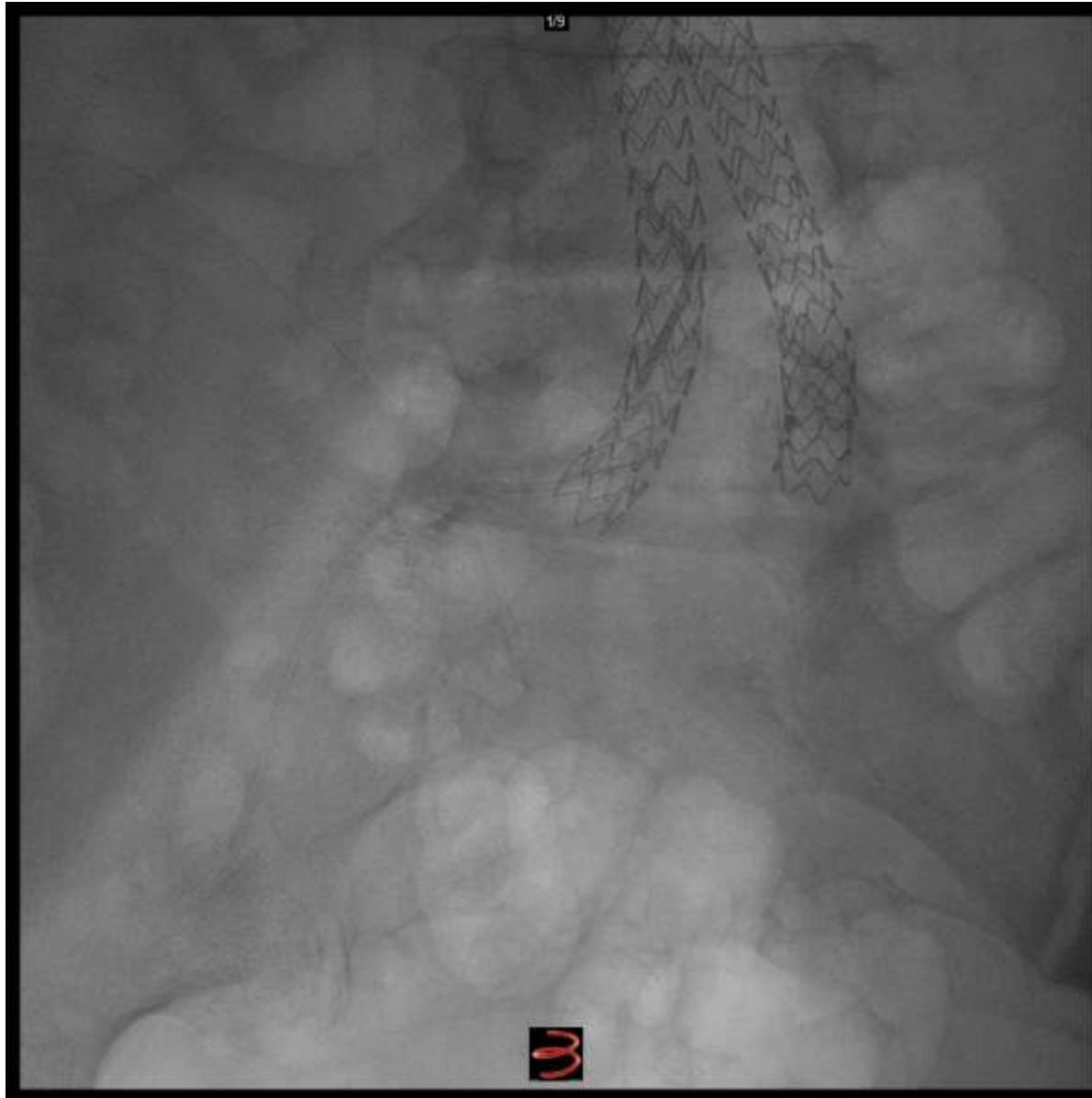
April 18th 2013: Thrombolysis (EKOS)



April 19th 2013: Distal extension (BMS)



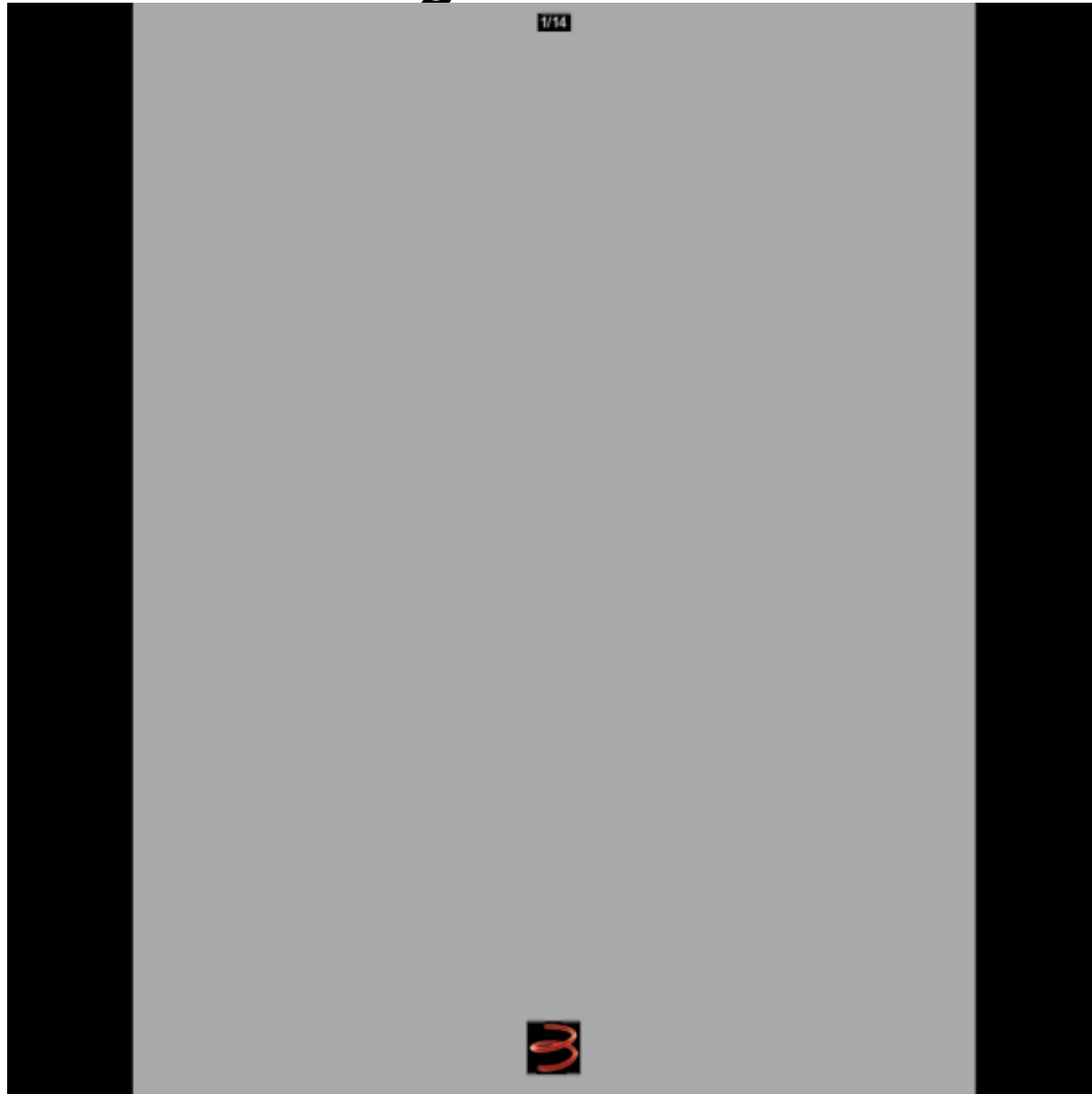
April 19th 2013: Distal extension (BMS)



April 19th 2013: Distal extension (BMS)

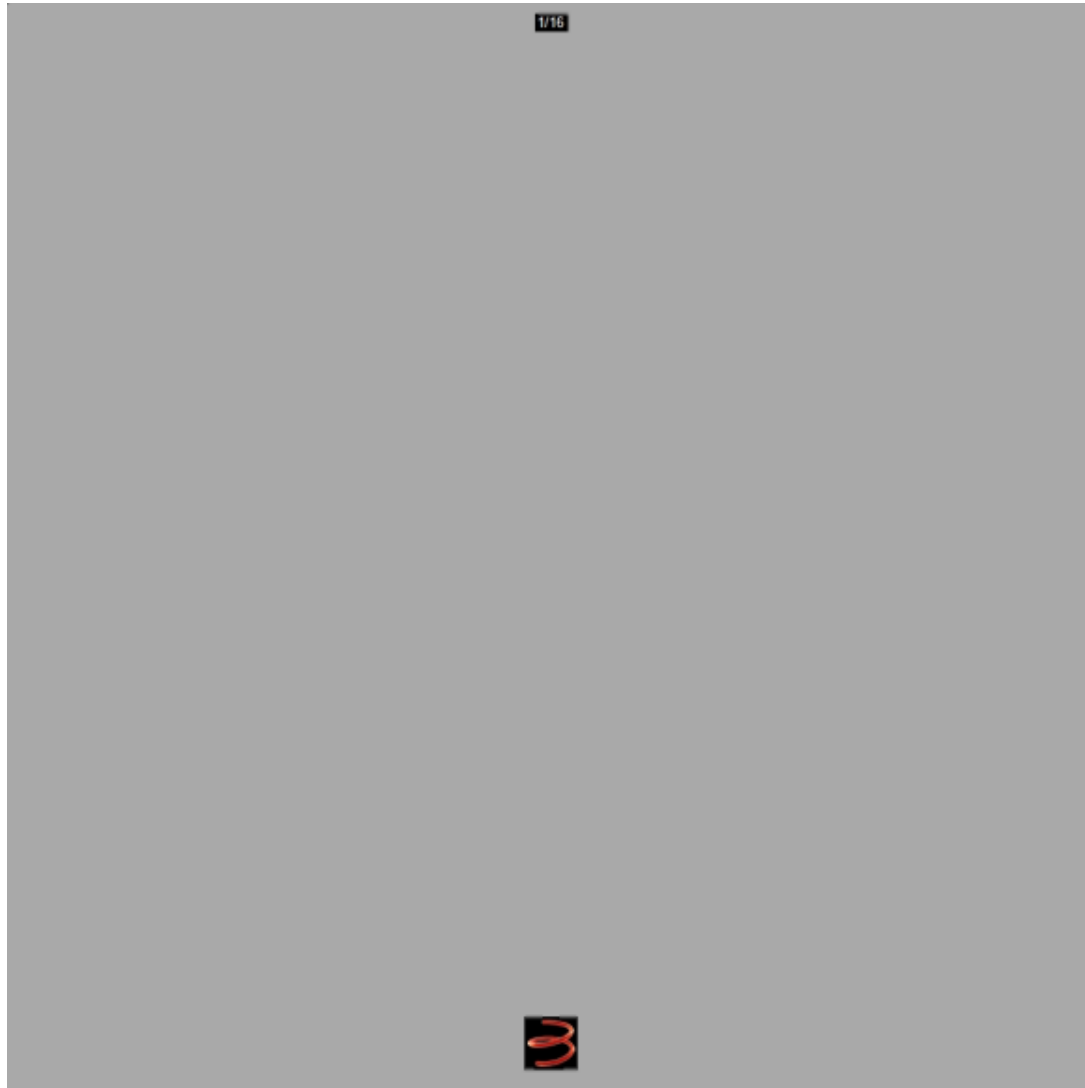


April 19th 2013: Dislodgement thrombus

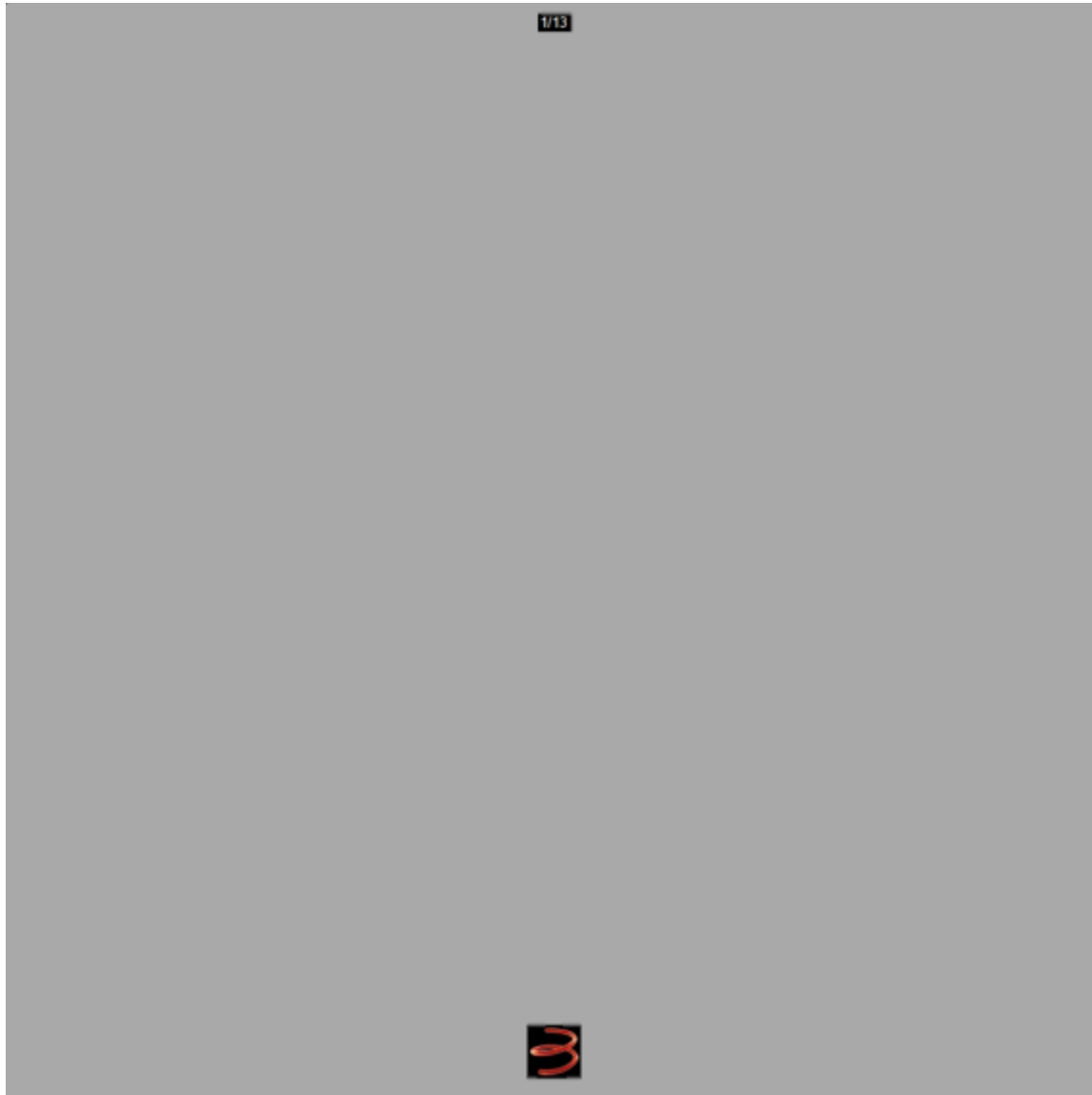


April 19th 2013: successful surgical embolectomy

July 31st 2013: Claudication left limb



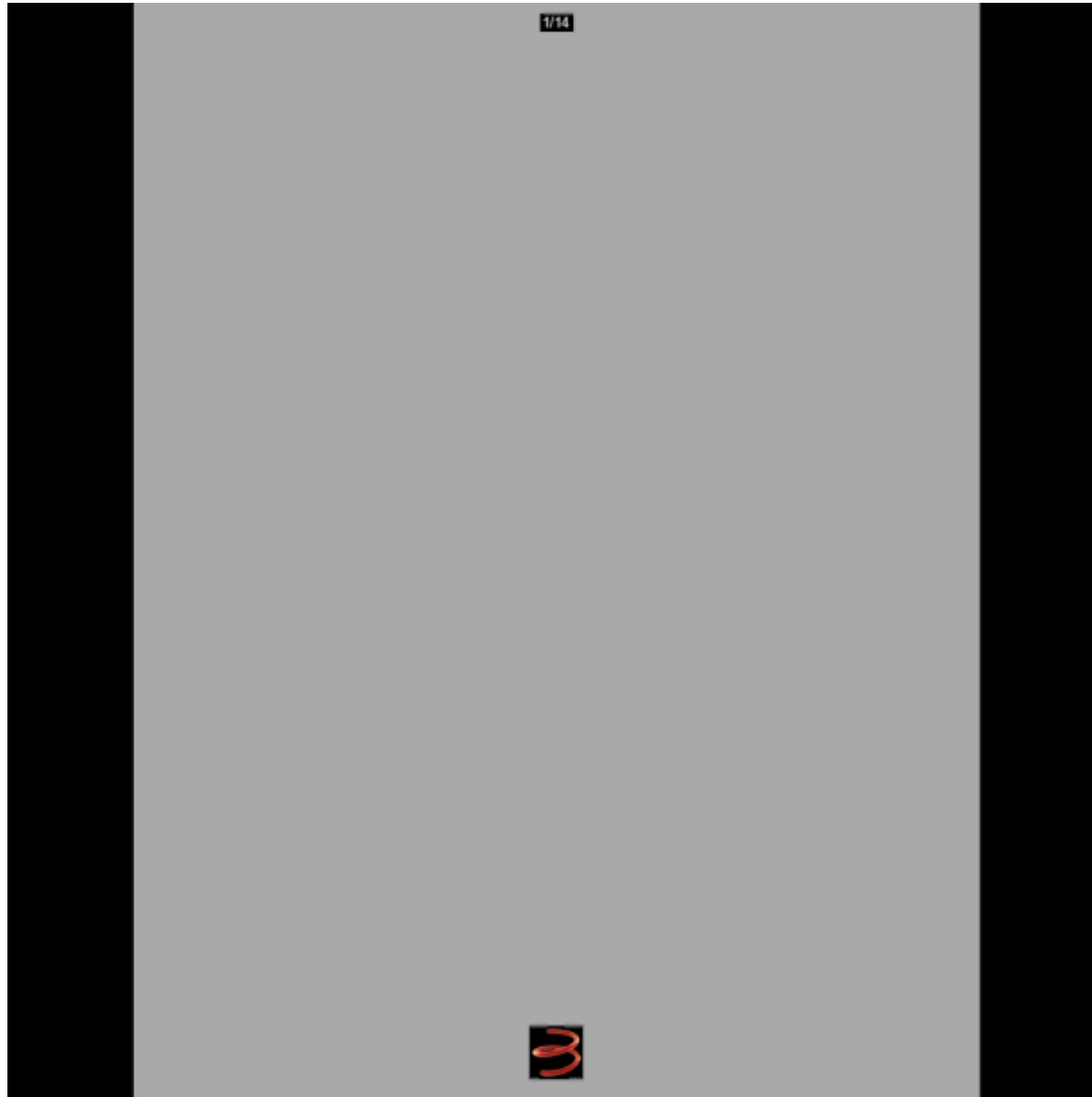
July 31st 2013: Embolectomy Nellix (groin access)



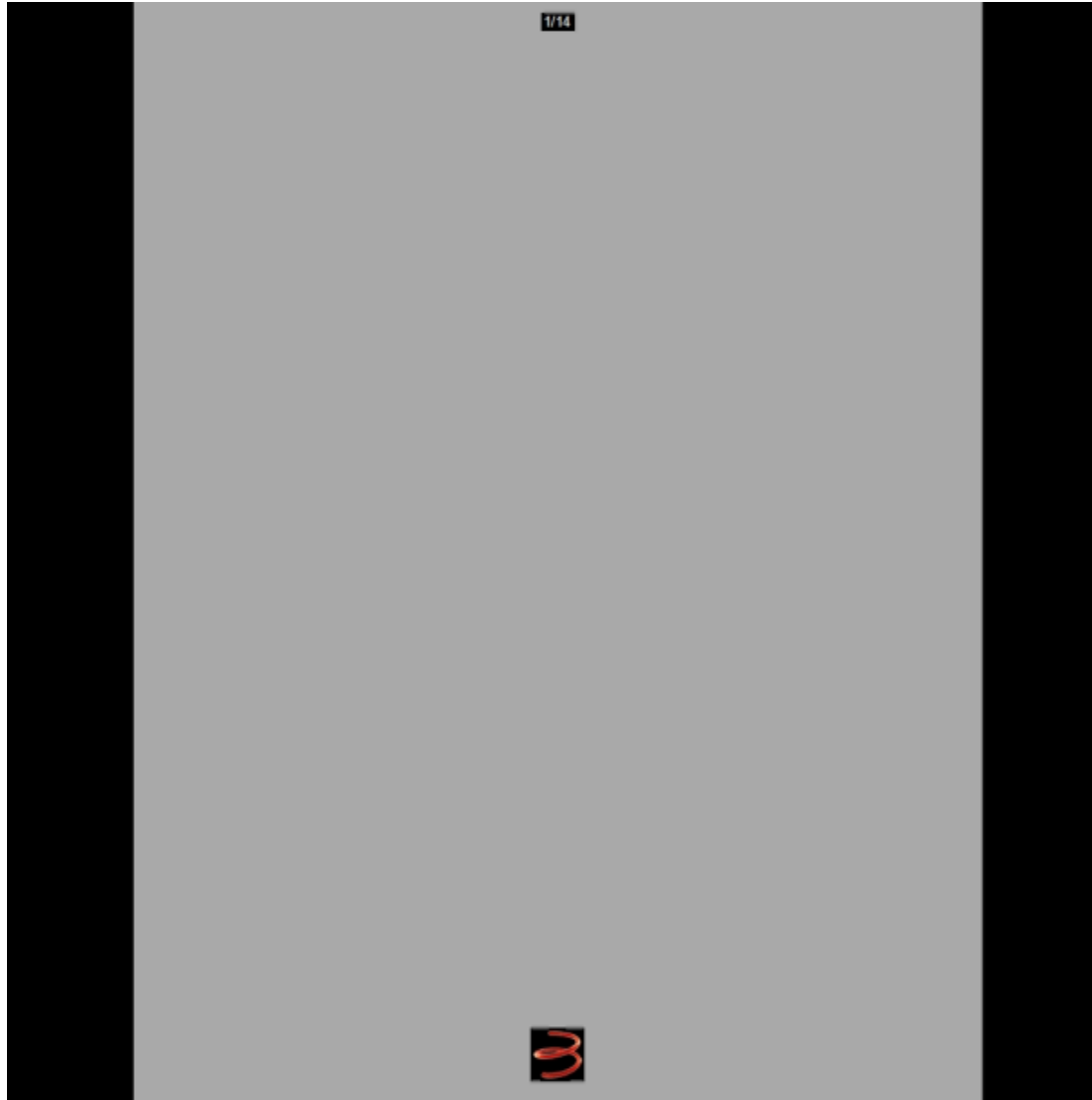
July 31st 2013: Embolectomy Nellix (groin access)



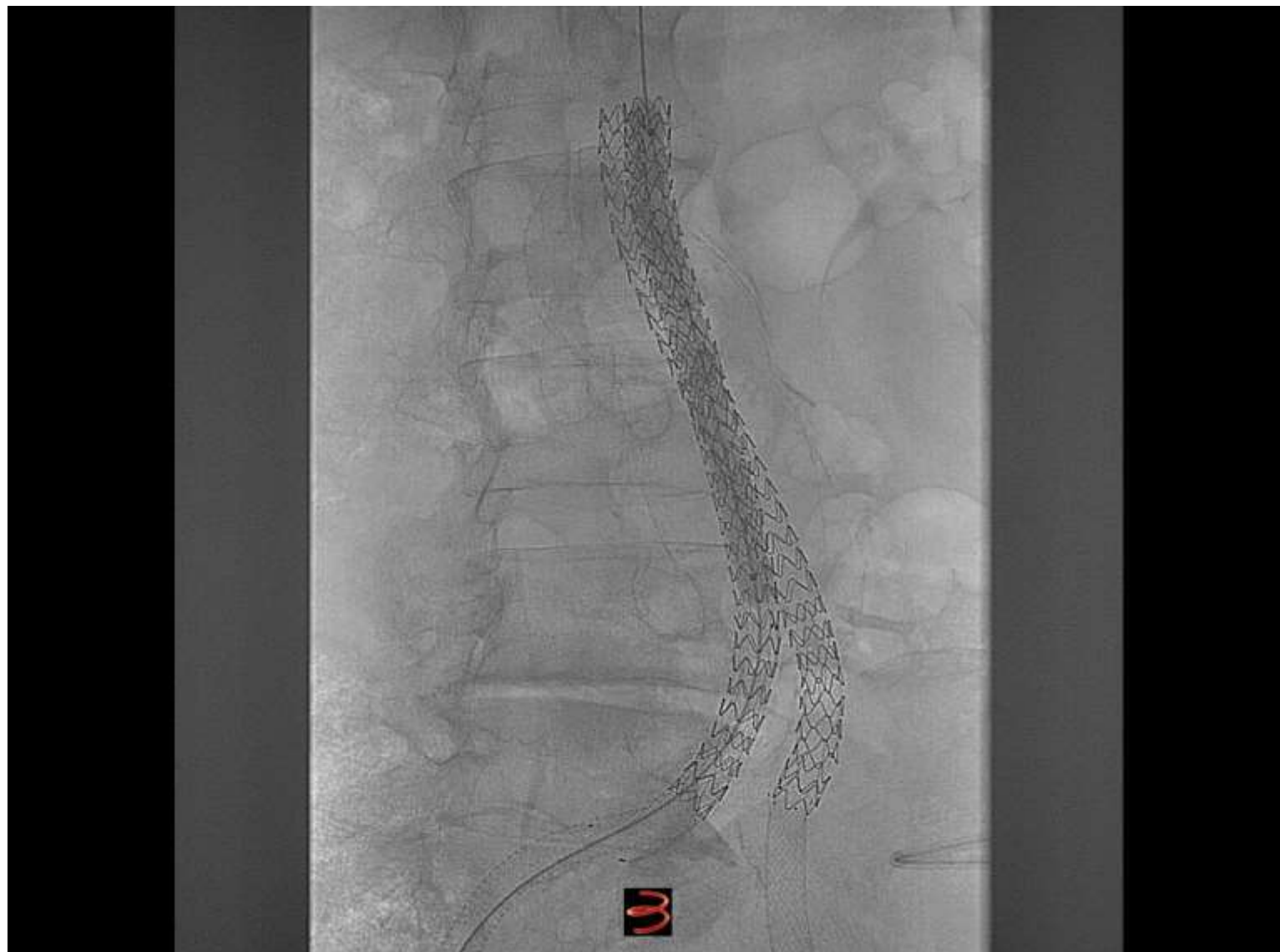
July 31st 2013: Residual thrombus right Nellix



July 31st 2013: Relining both Nellix with Viabahn



July 31st 2013: Relining both Nellix with Viabahn



July 31st 2013: Dislodgement thrombus left popl.a



Dec 2015

Mild claudication both legs (walking distance 600 meters)

No type I, II endoleaks

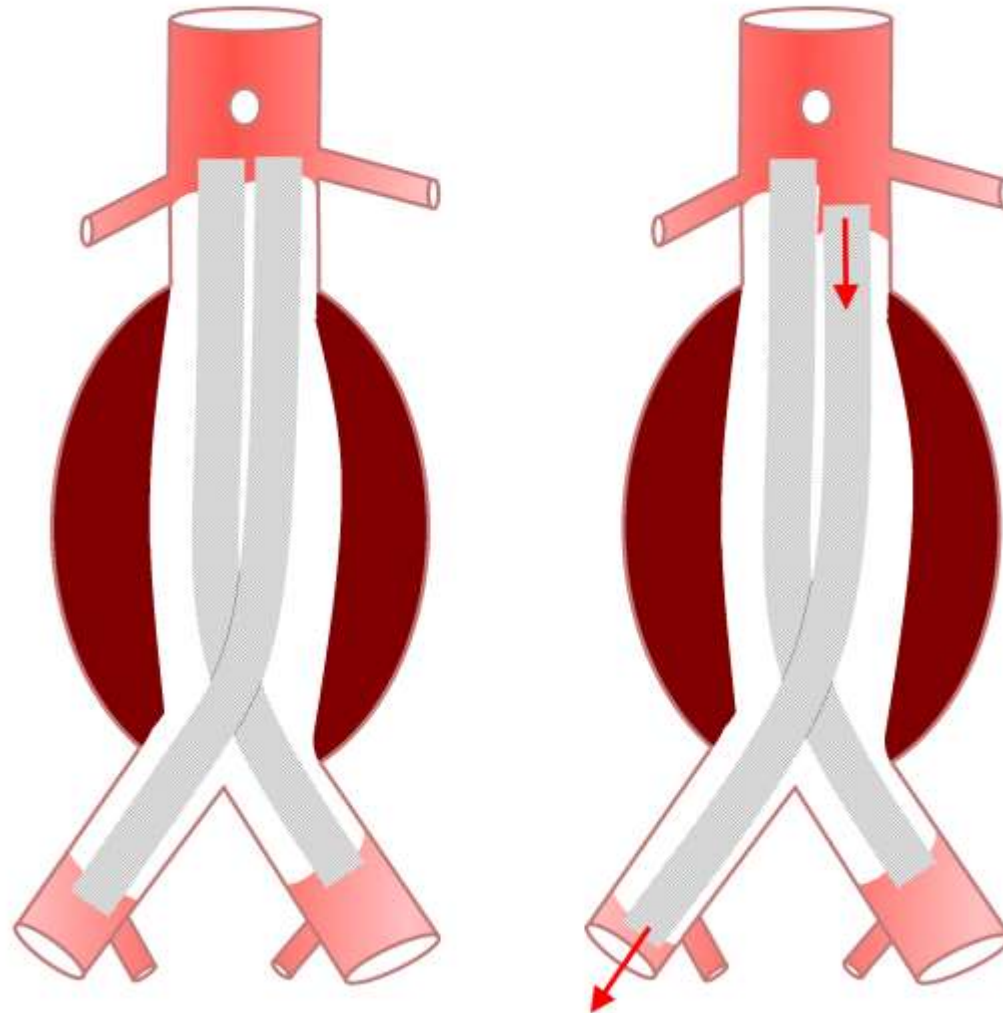
No recurrent thrombo-emboli

Dual antiplatelet therapy

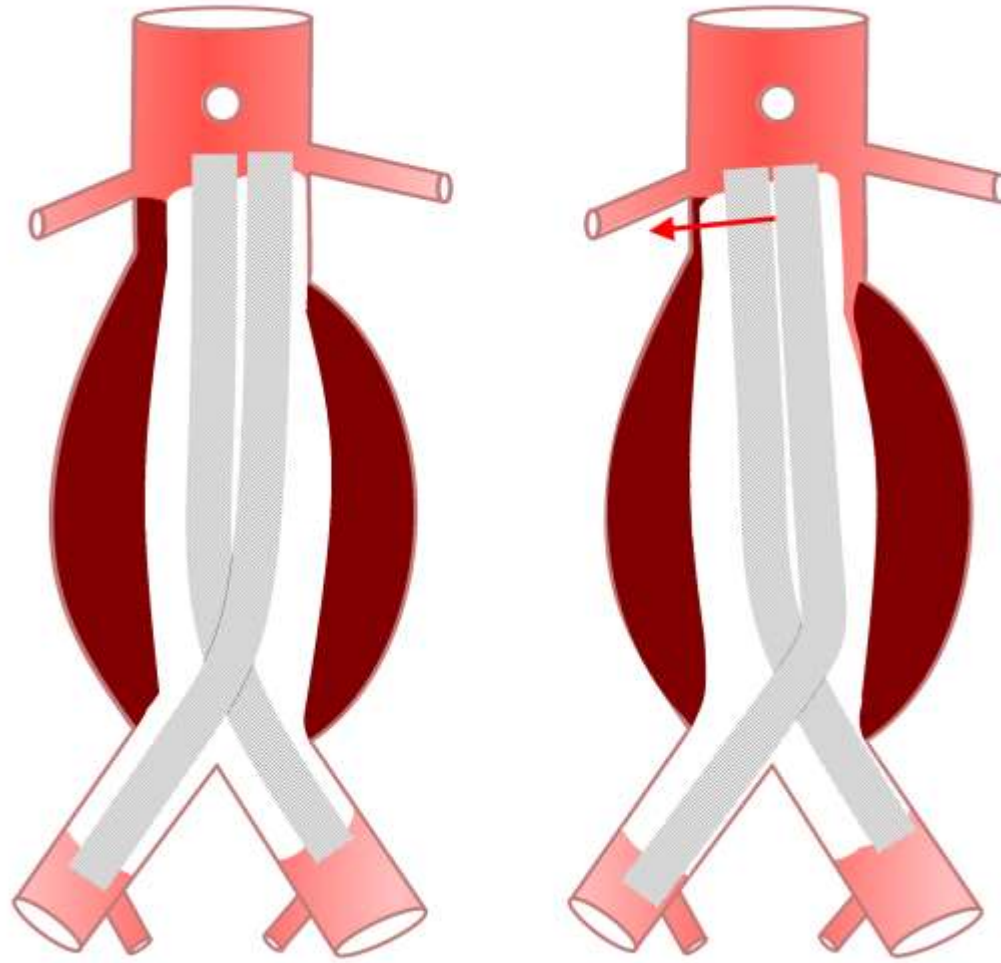
Follow-up → displacement



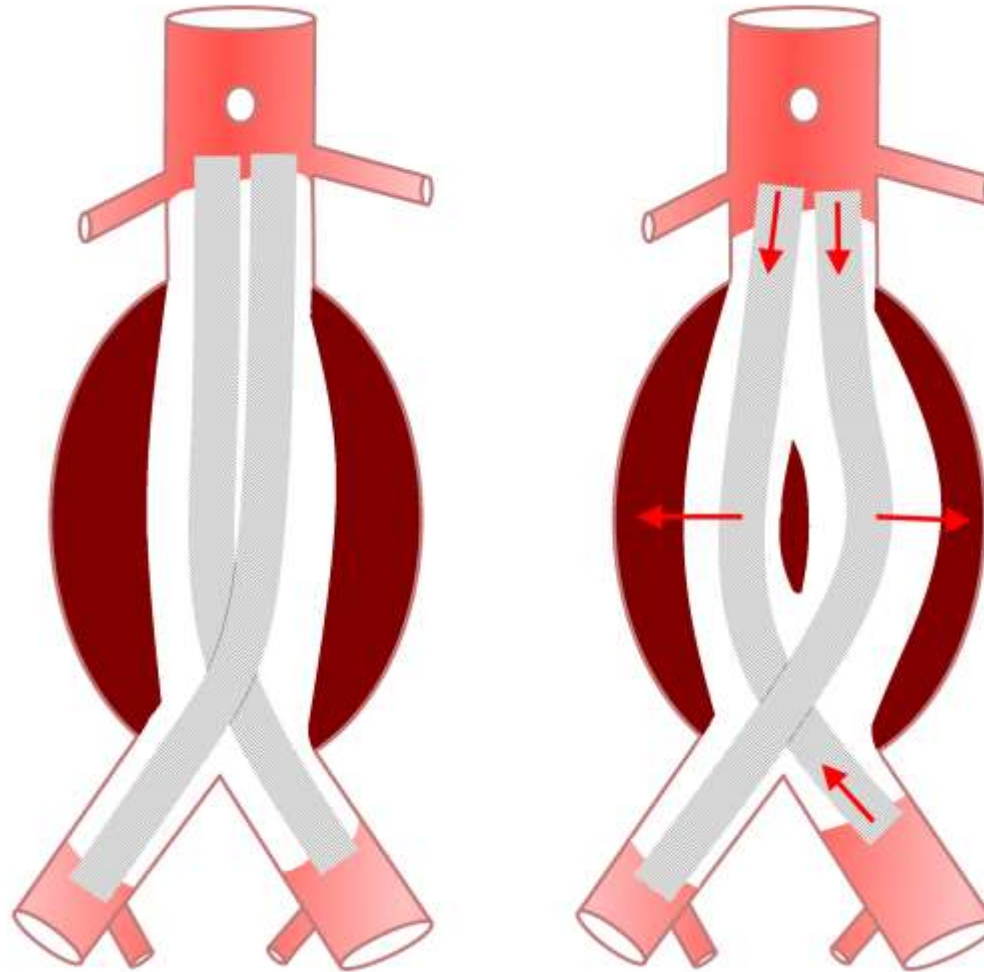
Different types of displacement (vertical)



Different types of displacement (lateral)



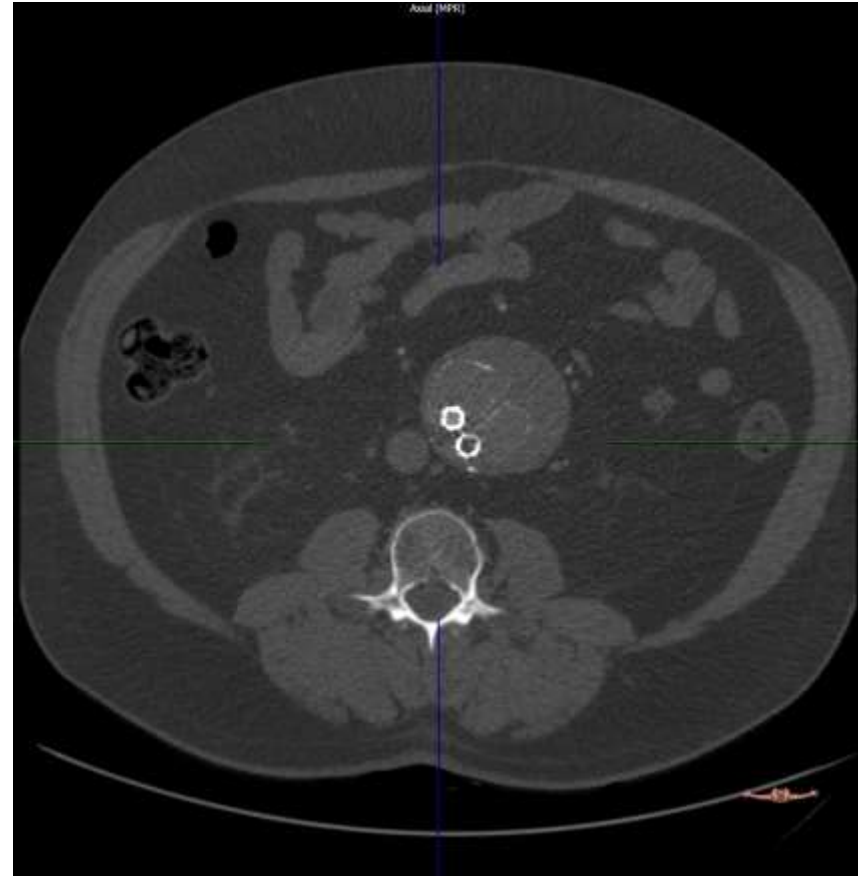
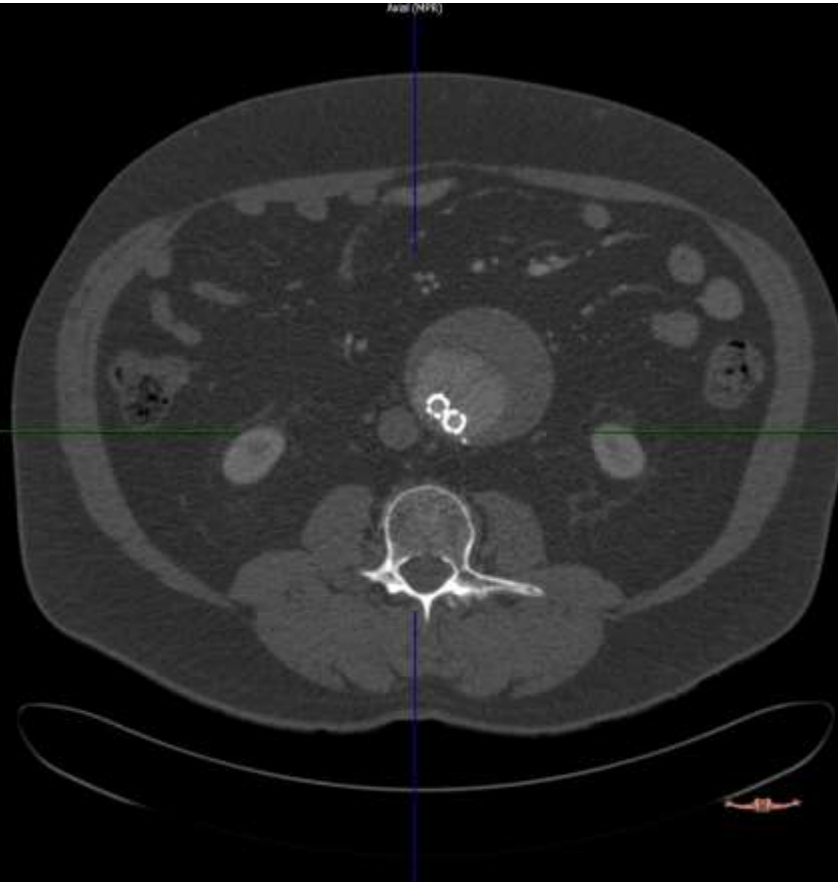
Different types of displacement (buckling)



Buckling



Follow-up → explantation



Key messages

Thrombus in Nellix stentframes hard to solve with thrombolysis / embolectomy alone (relining entire stentframes)

Displacement post-EVAS

- Lateral displacement (in case of large volume aortic thrombus)
- Bowing of the stentframes (low volume of the endobags)
- Hard to solve (no proximal extensions)

Explanation

Modification of the device is necessary

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