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Stéphan Haulon,
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Centre de l'Aorte, Hôpital Marie Lannelongue,
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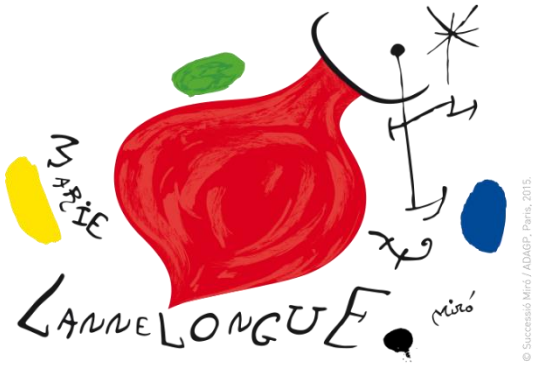
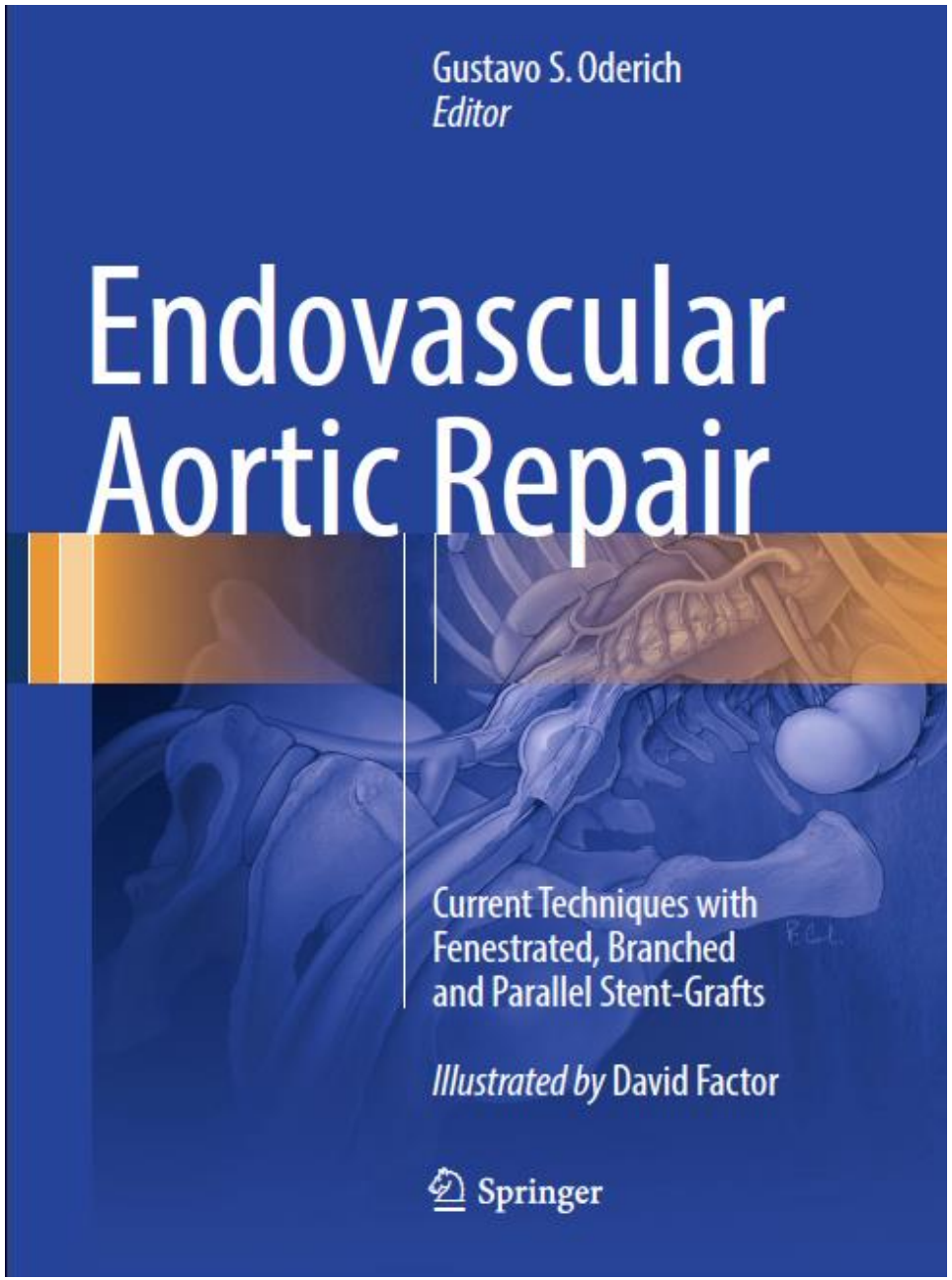
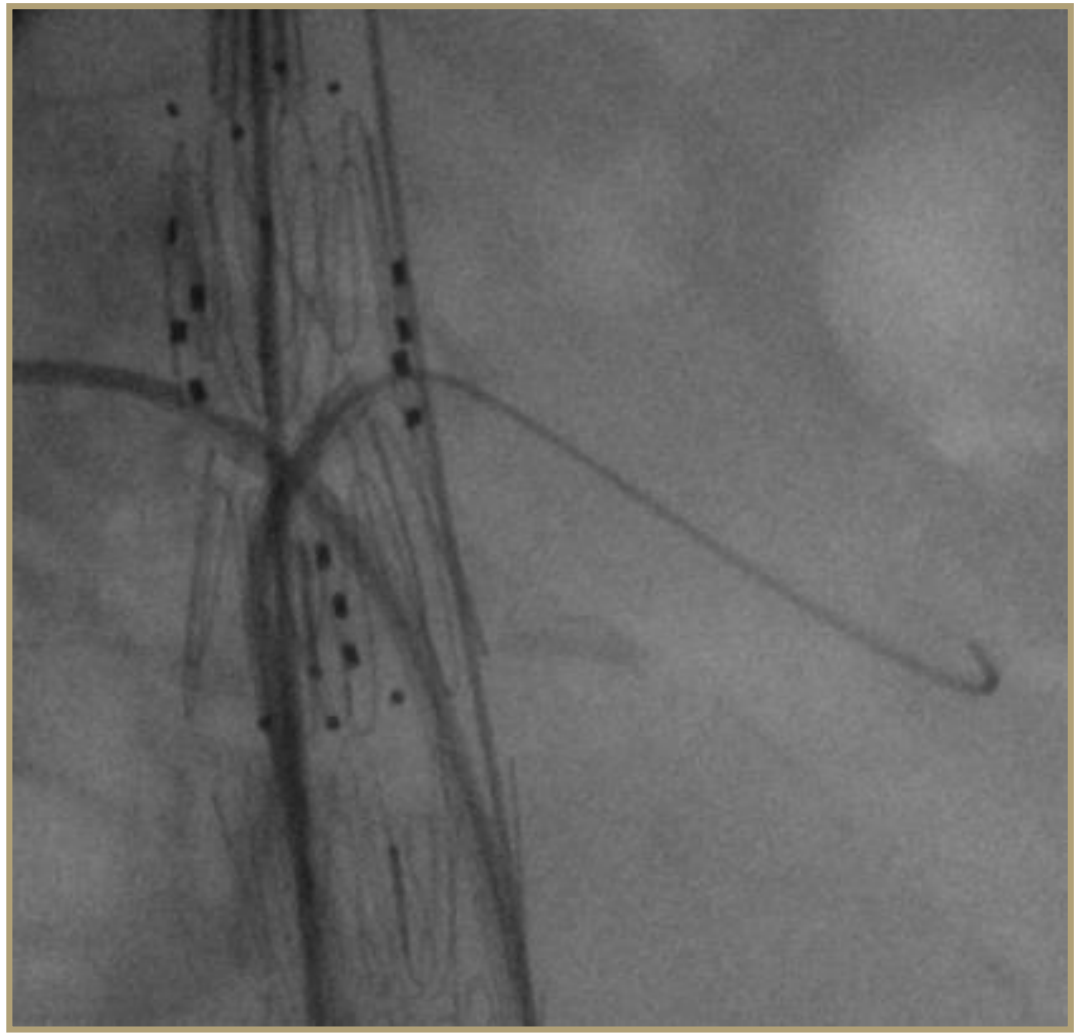


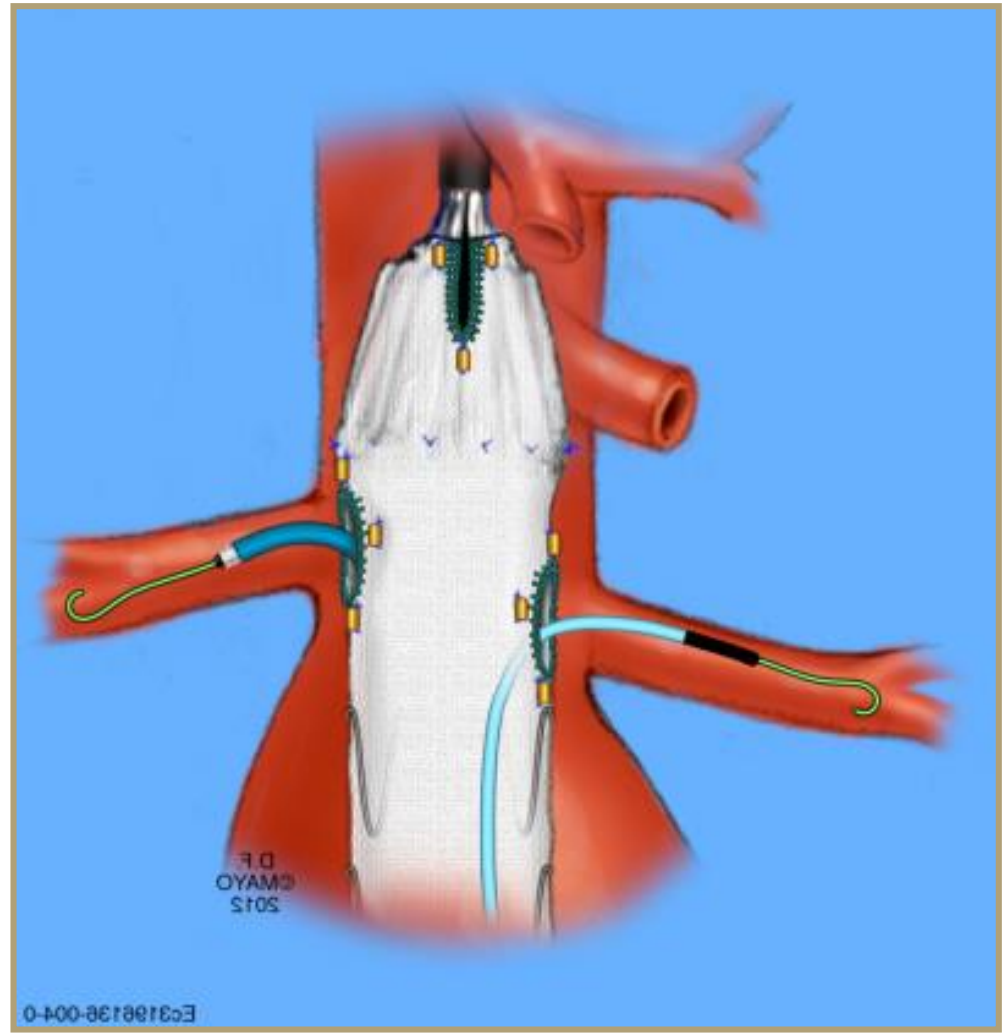
Disclosures

- Research support, Consulting
  - Cook Medical, GE Healthcare, Bentley


Gustavo S. Oderich
Editor
Endovascular
Aortic Repair
Current Techniques with
Fenestrated, Branched
and Parallel Stent-Grafts
Illustrated by David Factor
Springer

MARIE
LANNELONGUE
Miró





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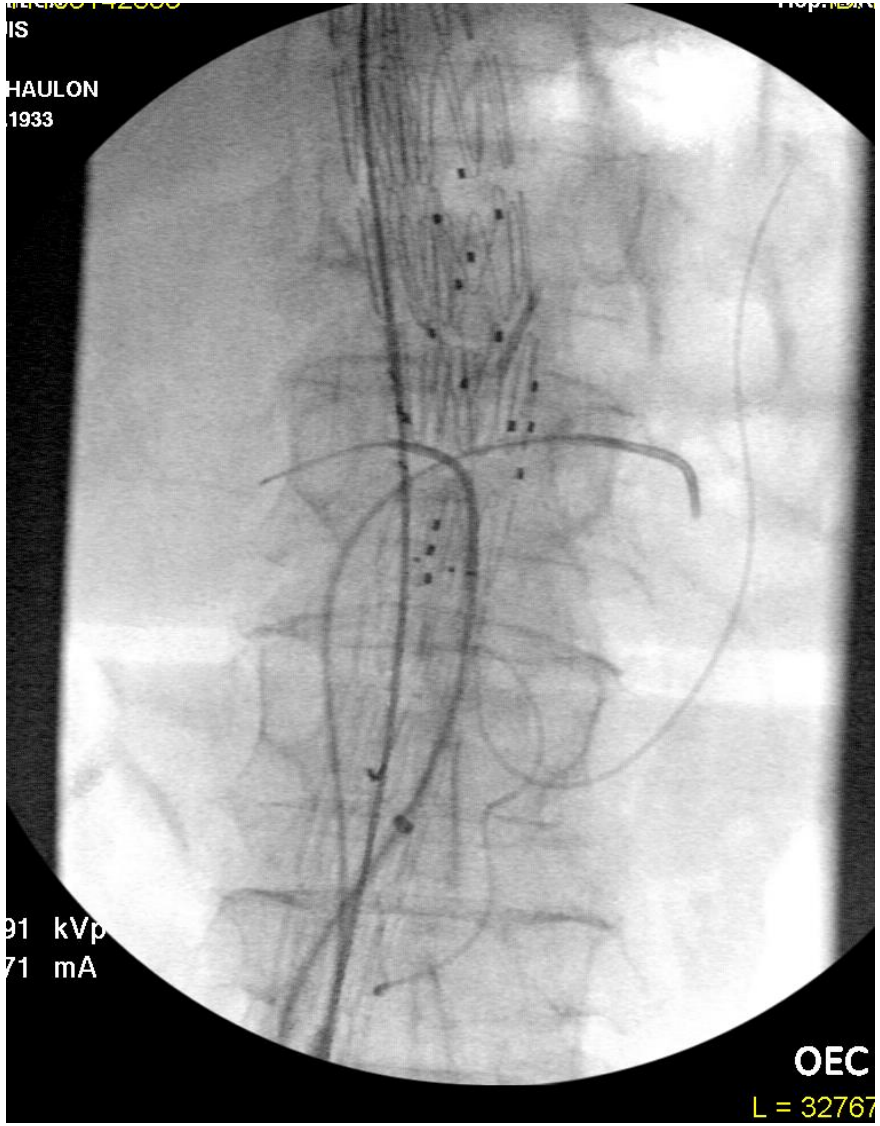
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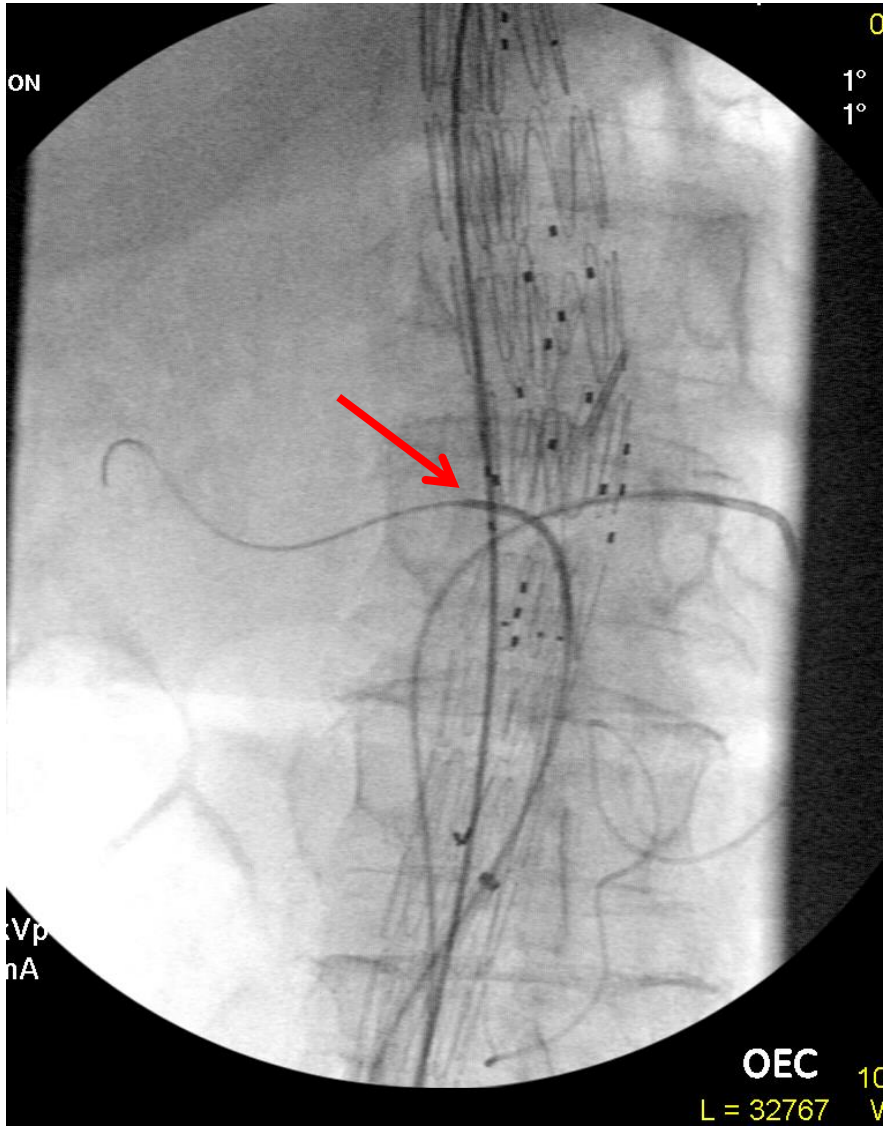
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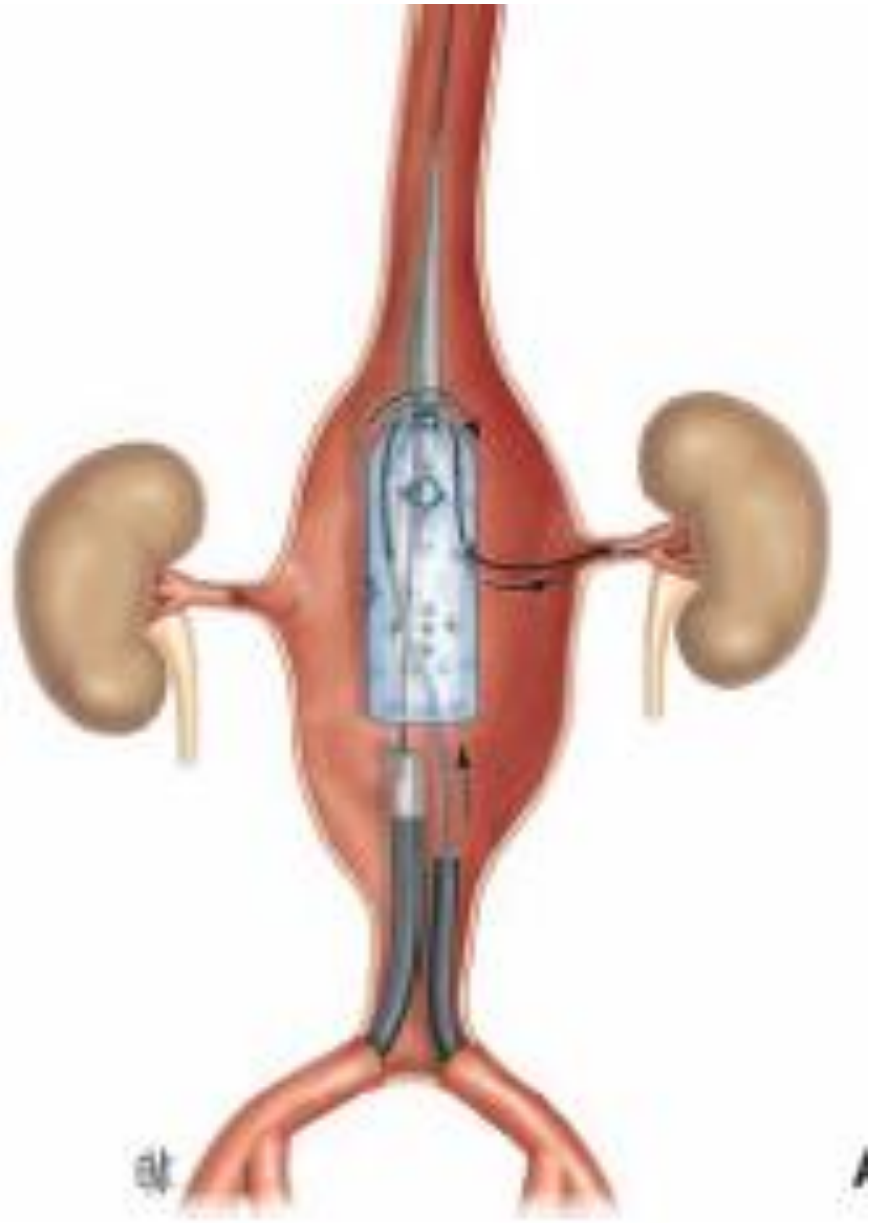

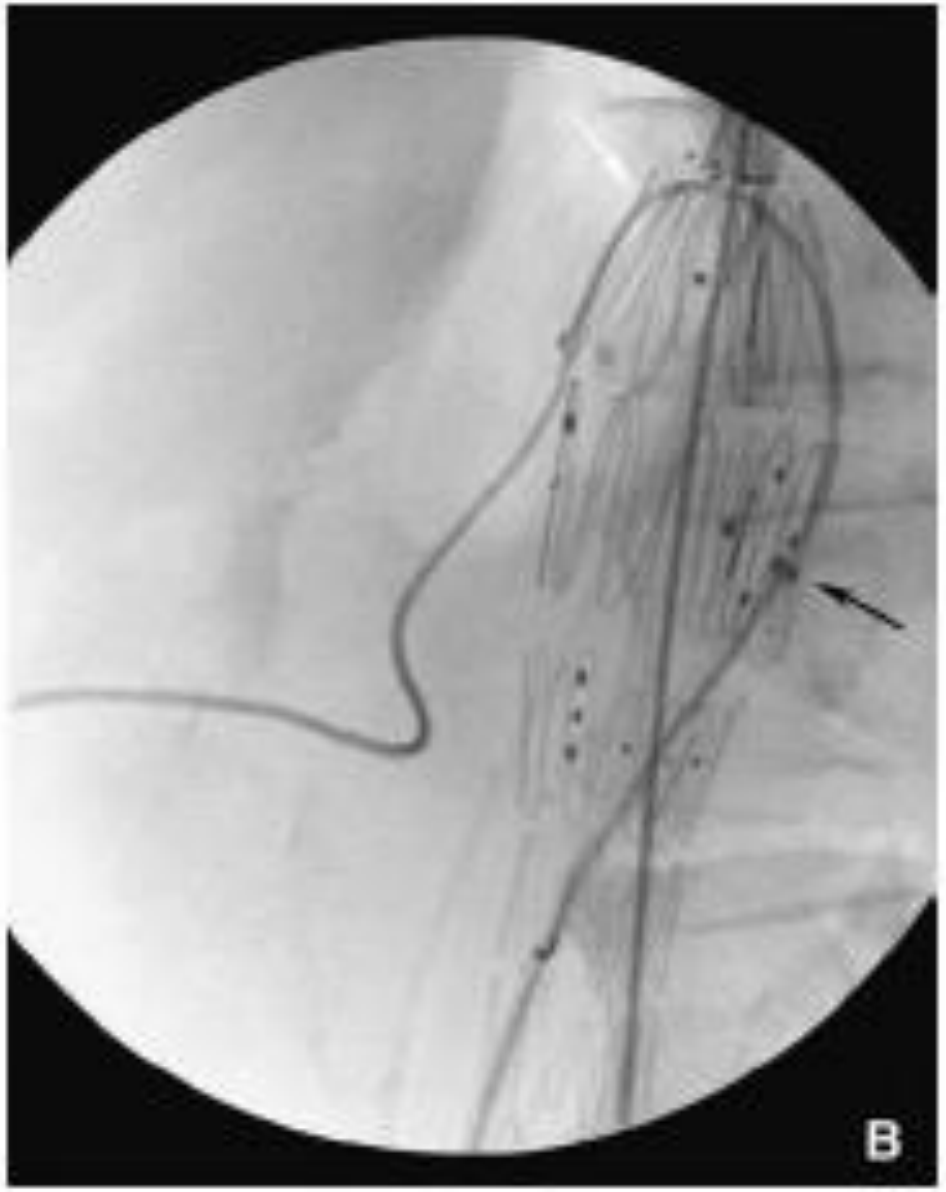

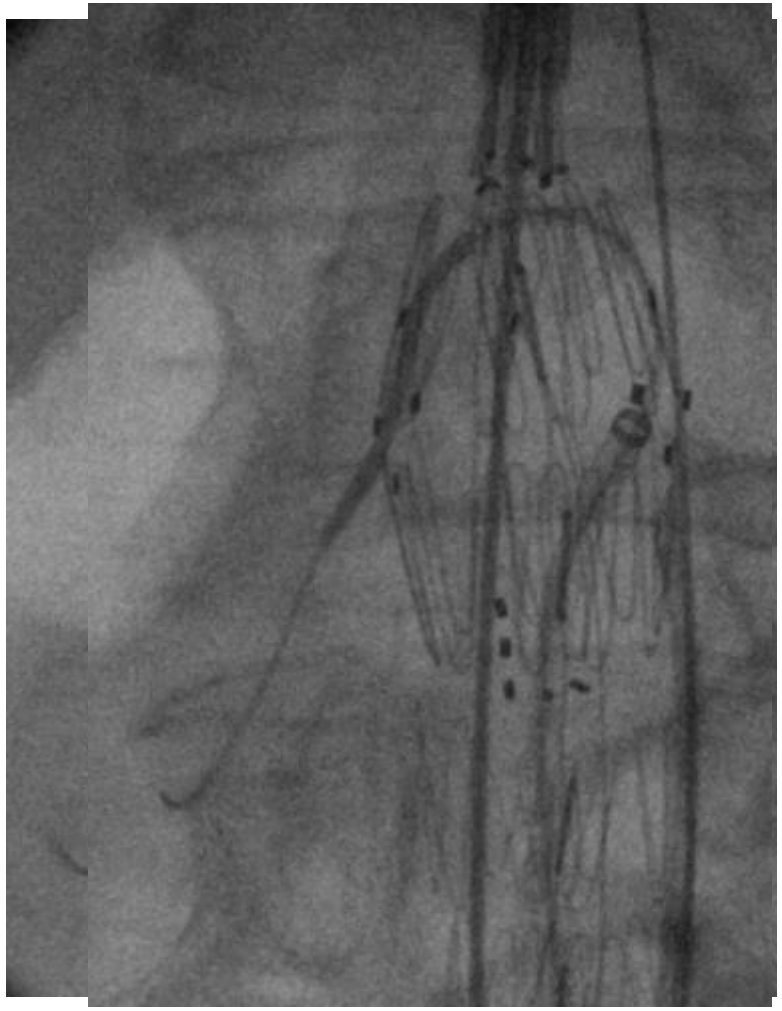

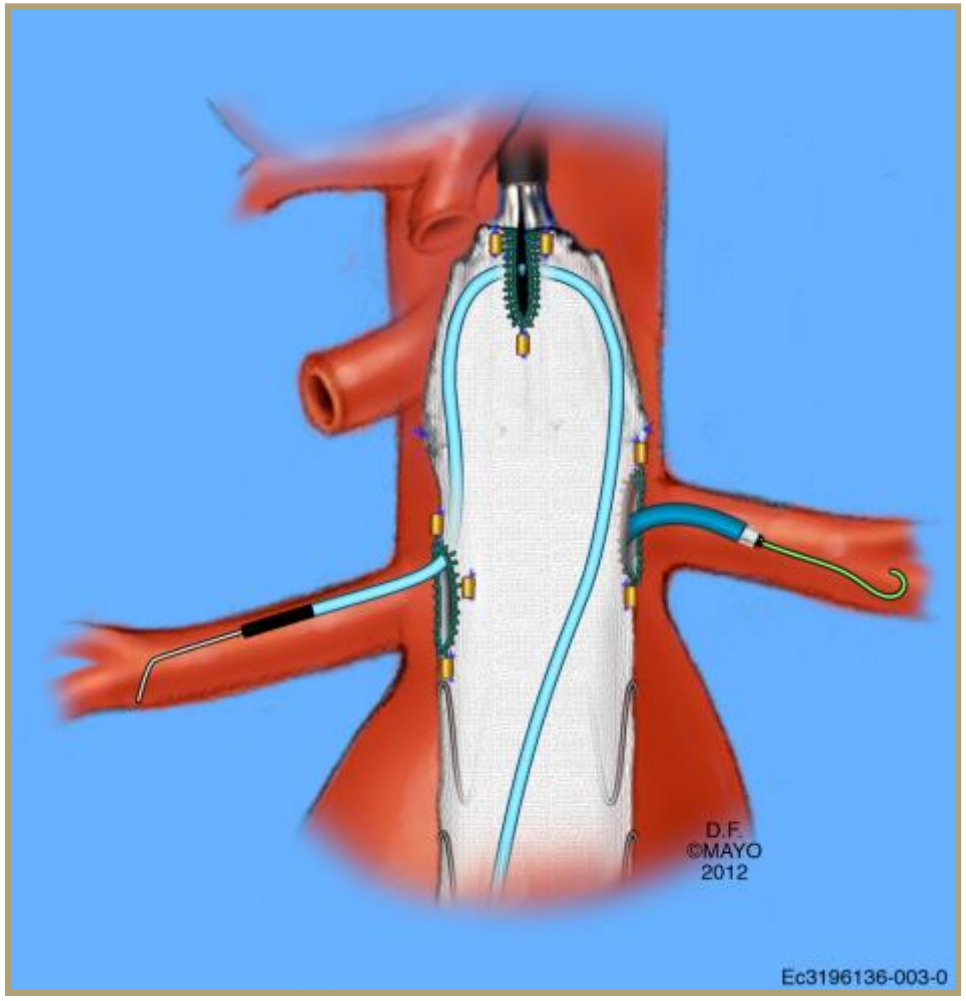
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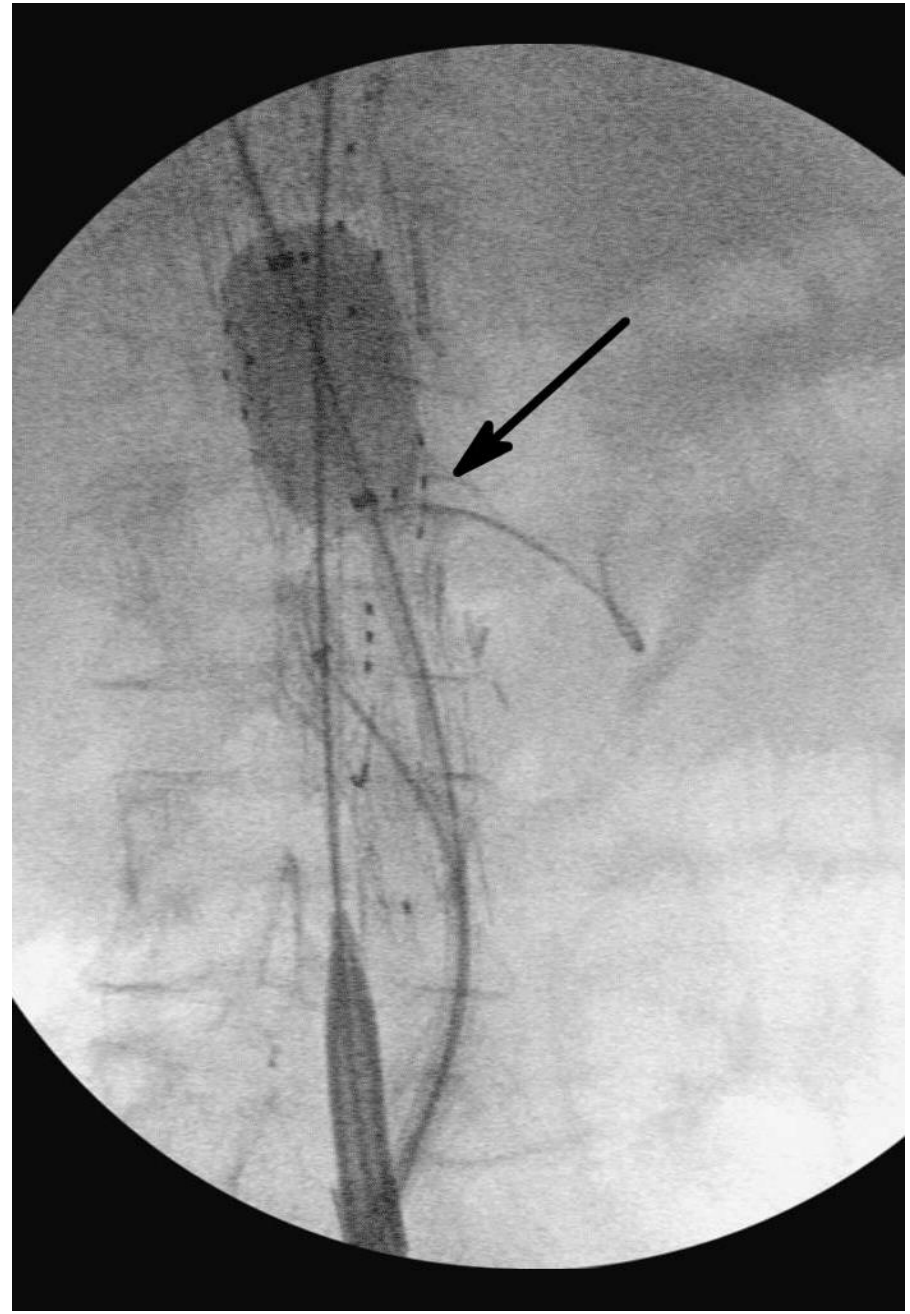

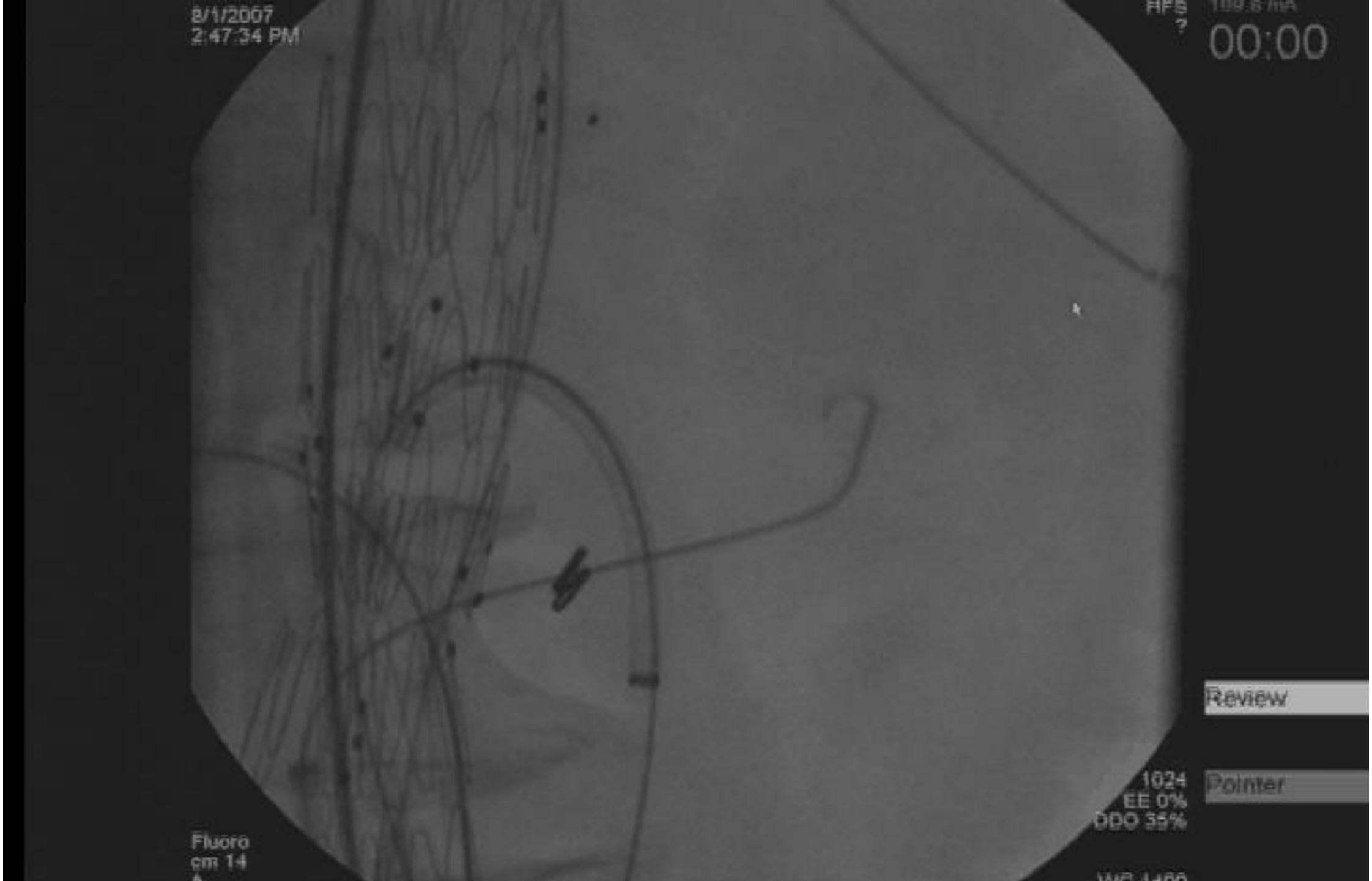
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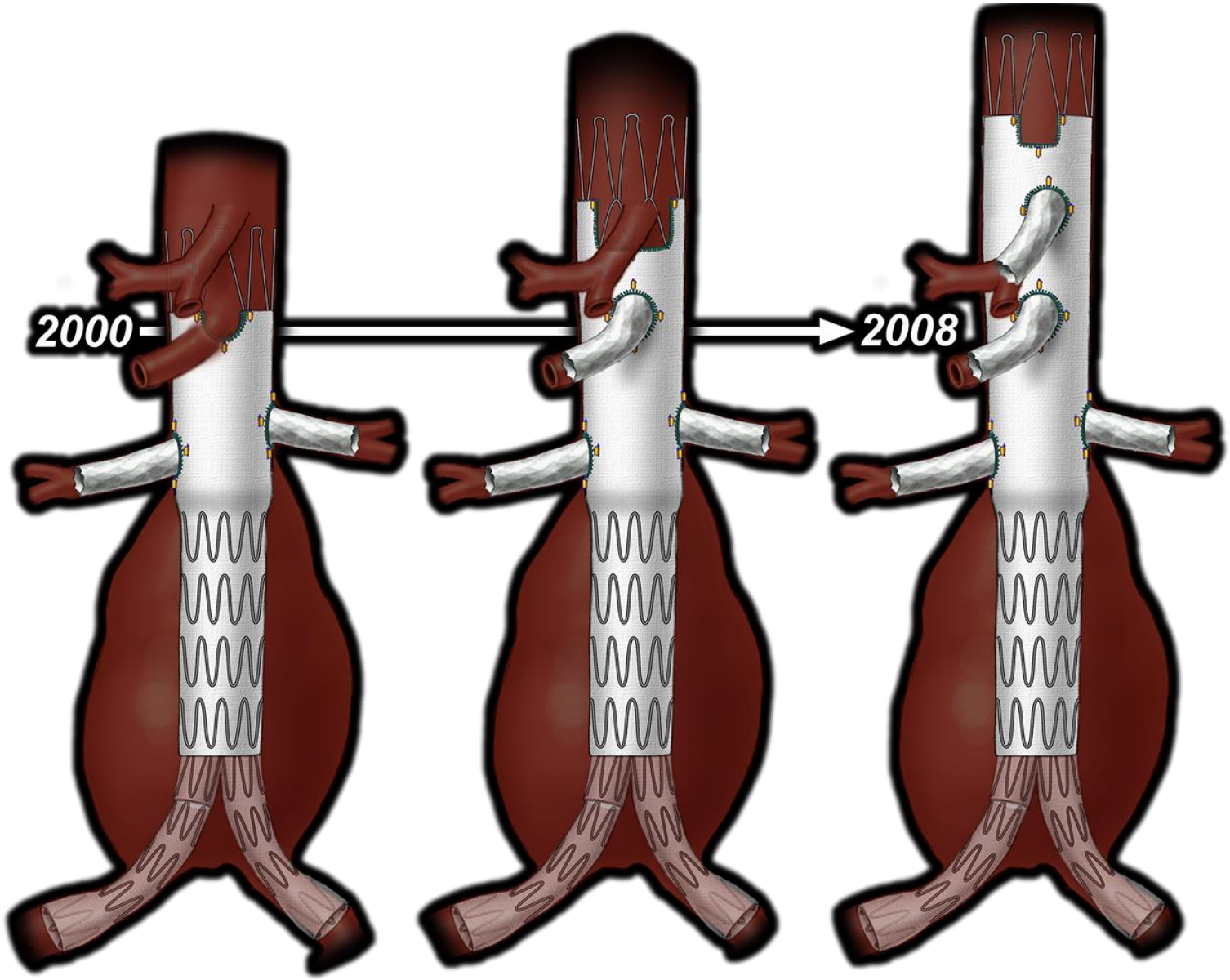

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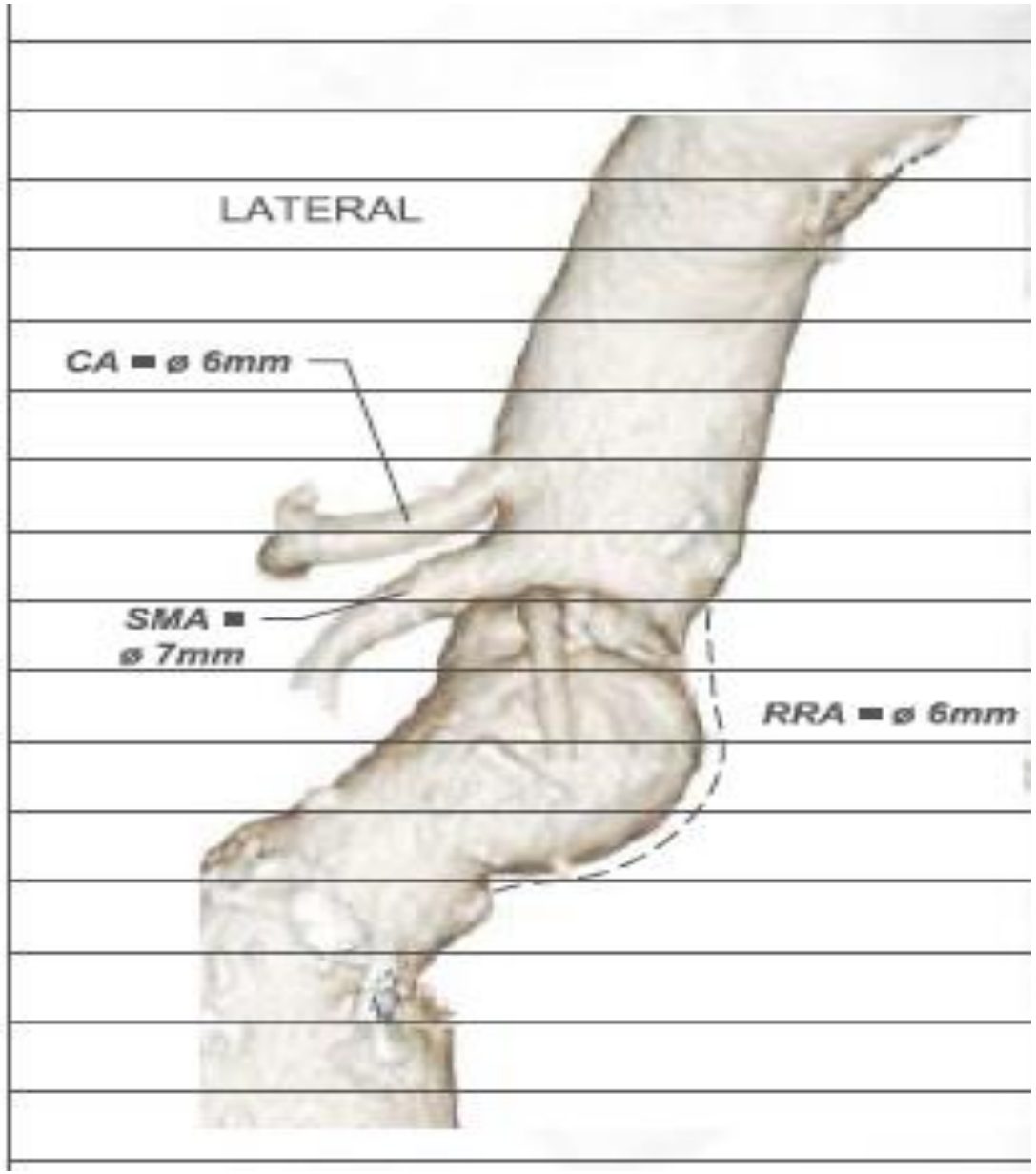
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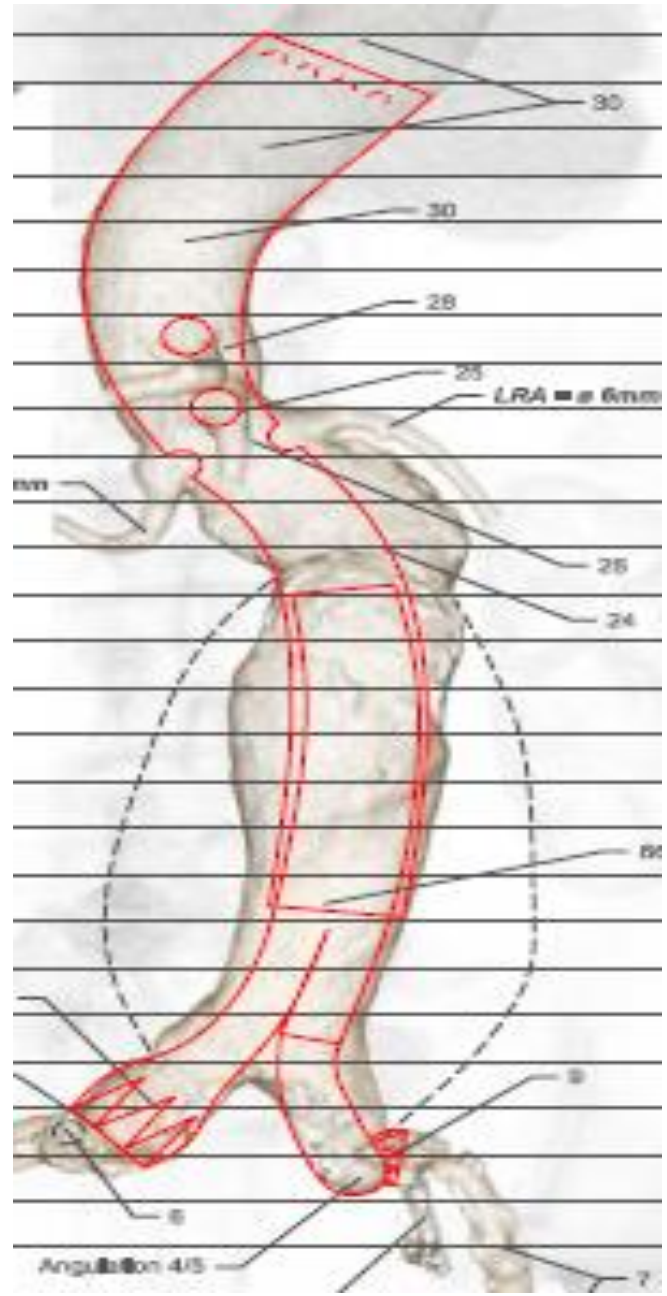
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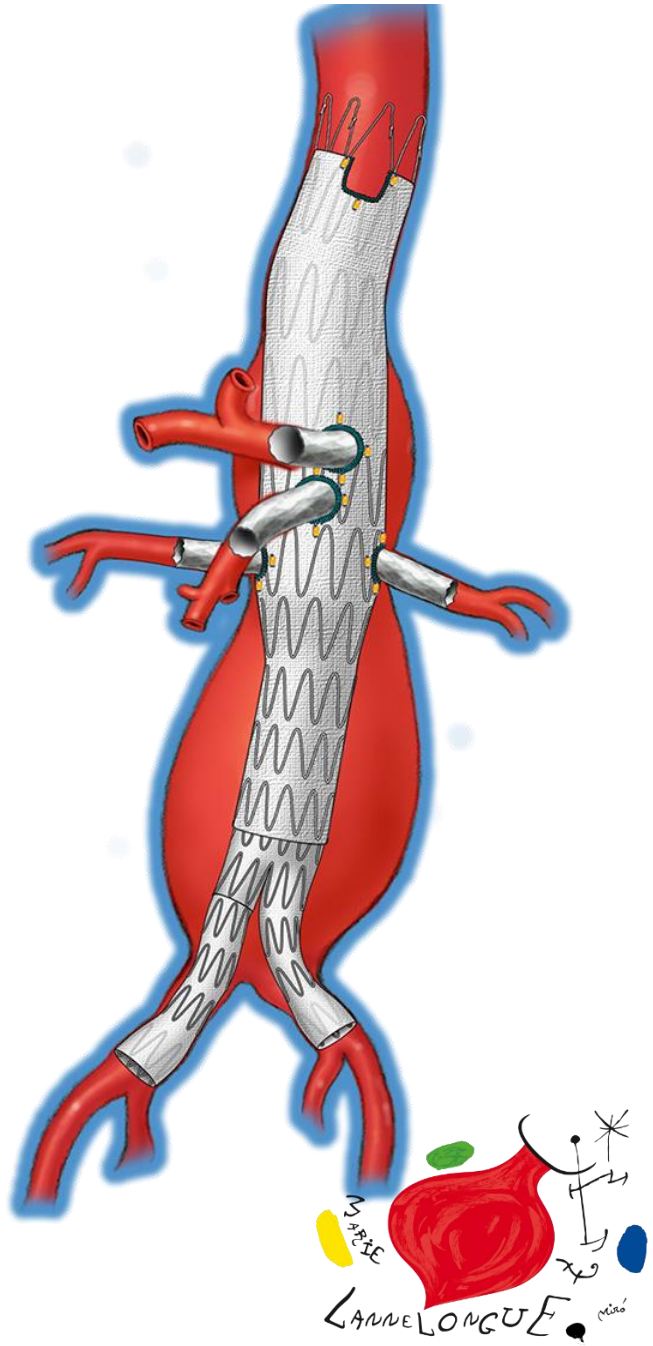
Marie
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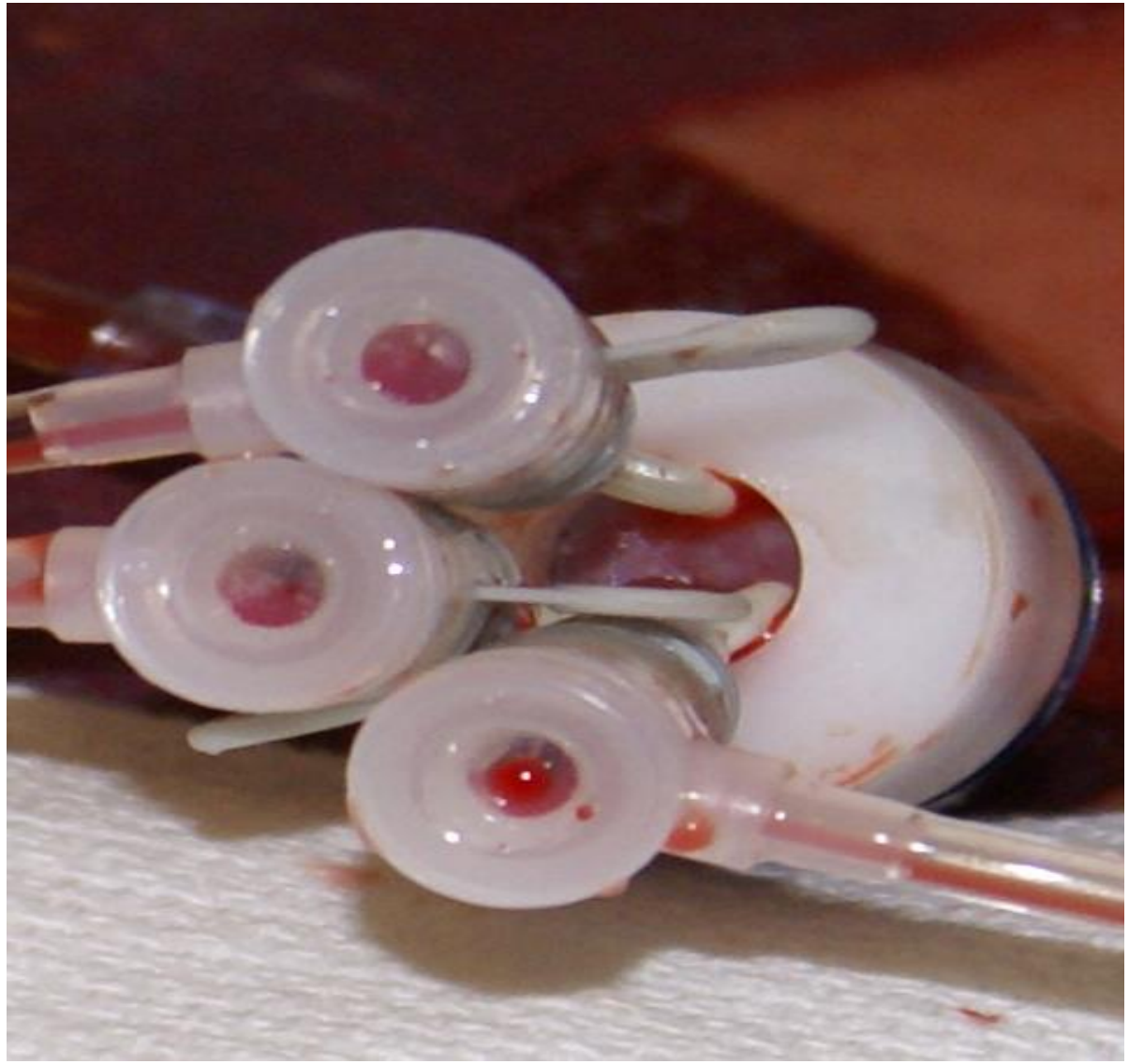

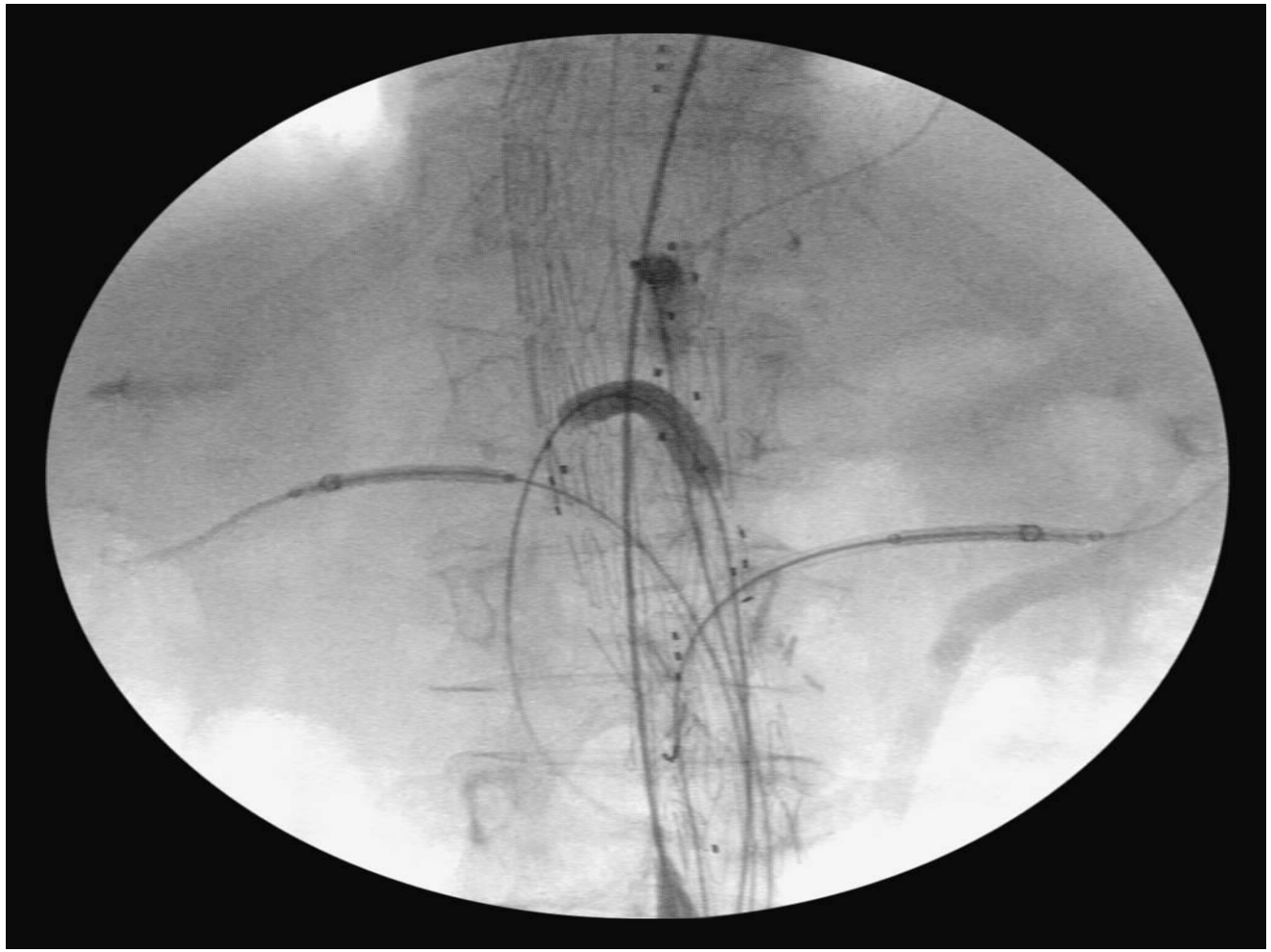

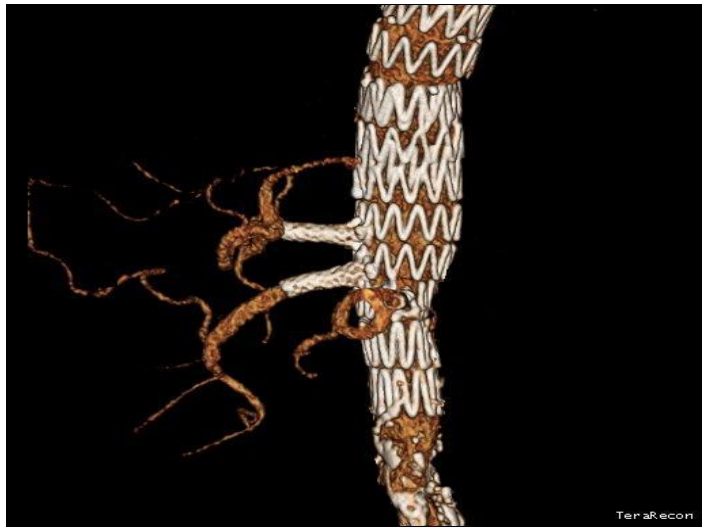

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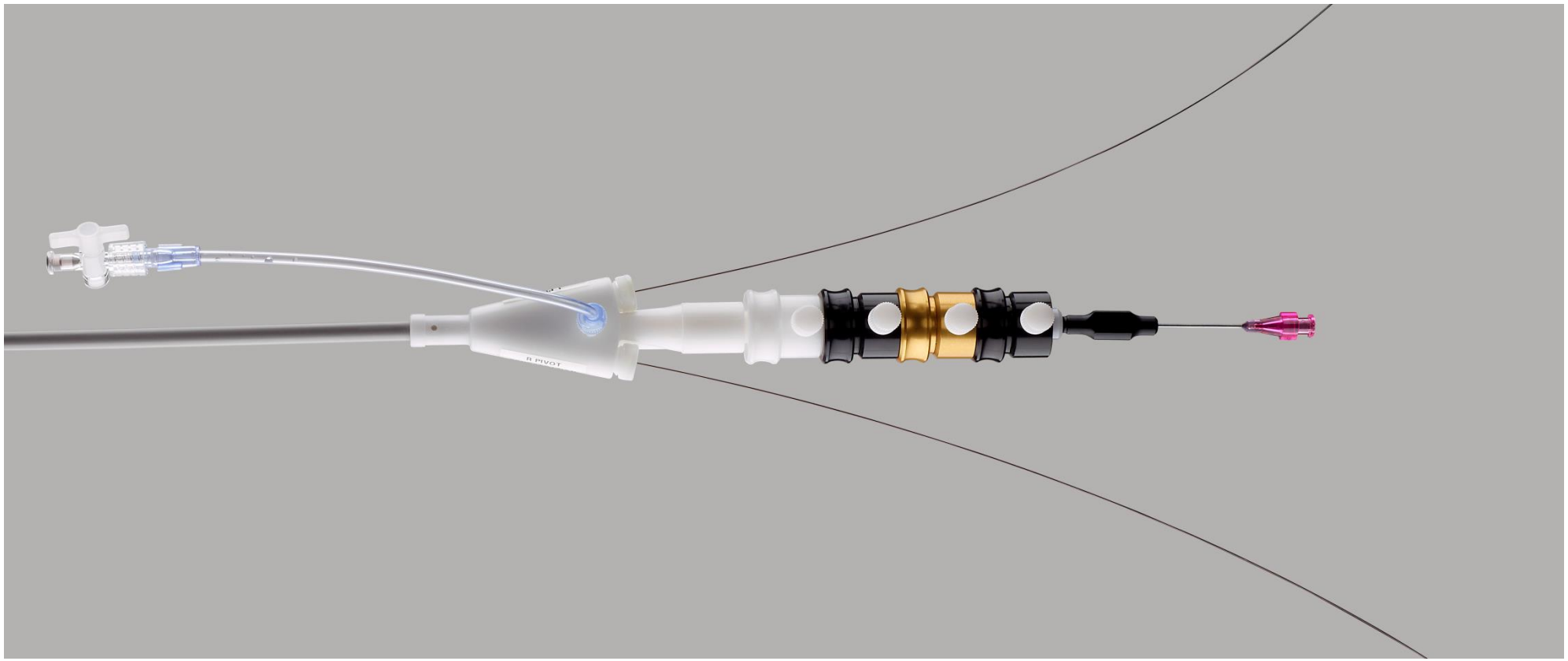

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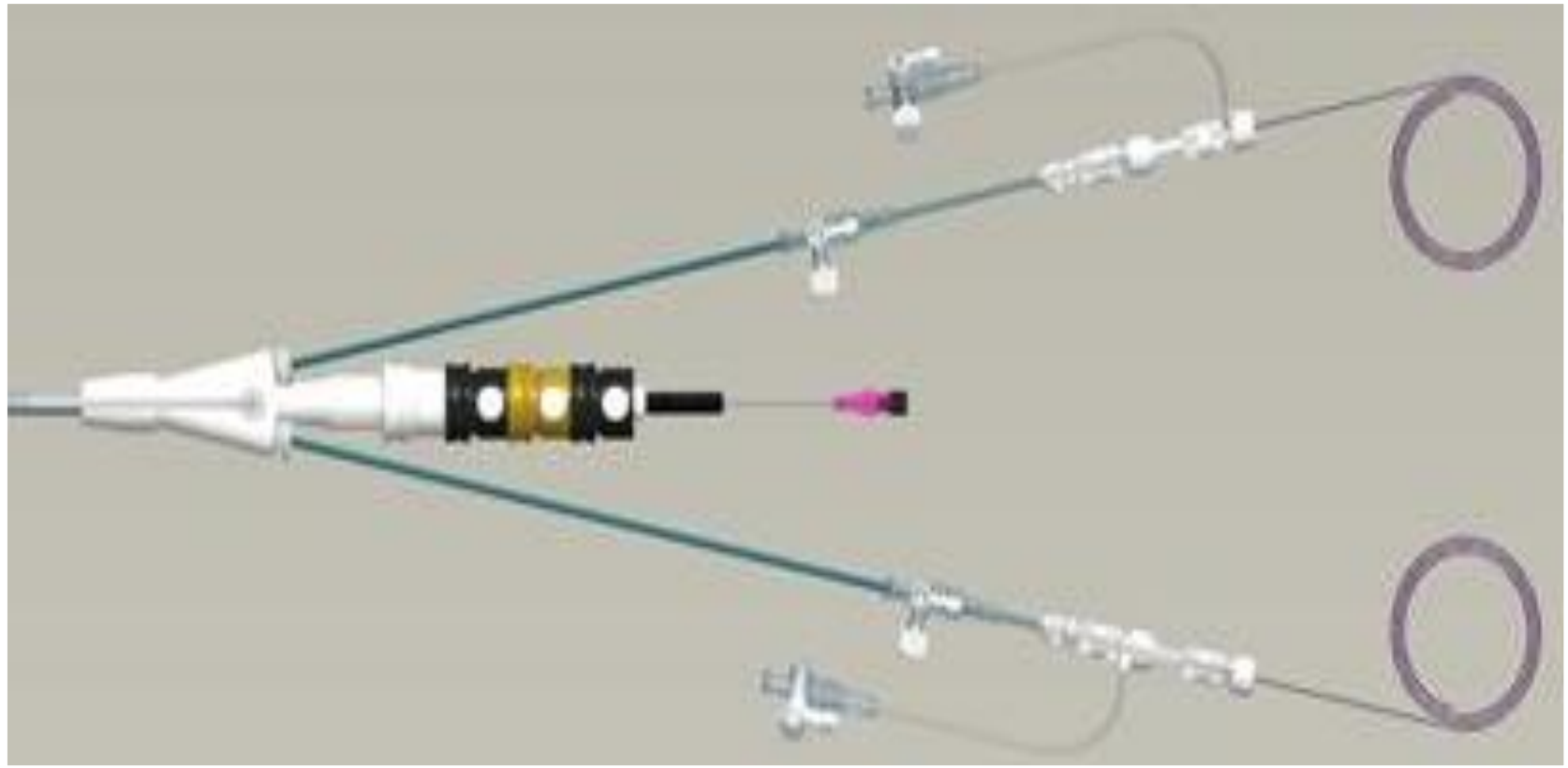

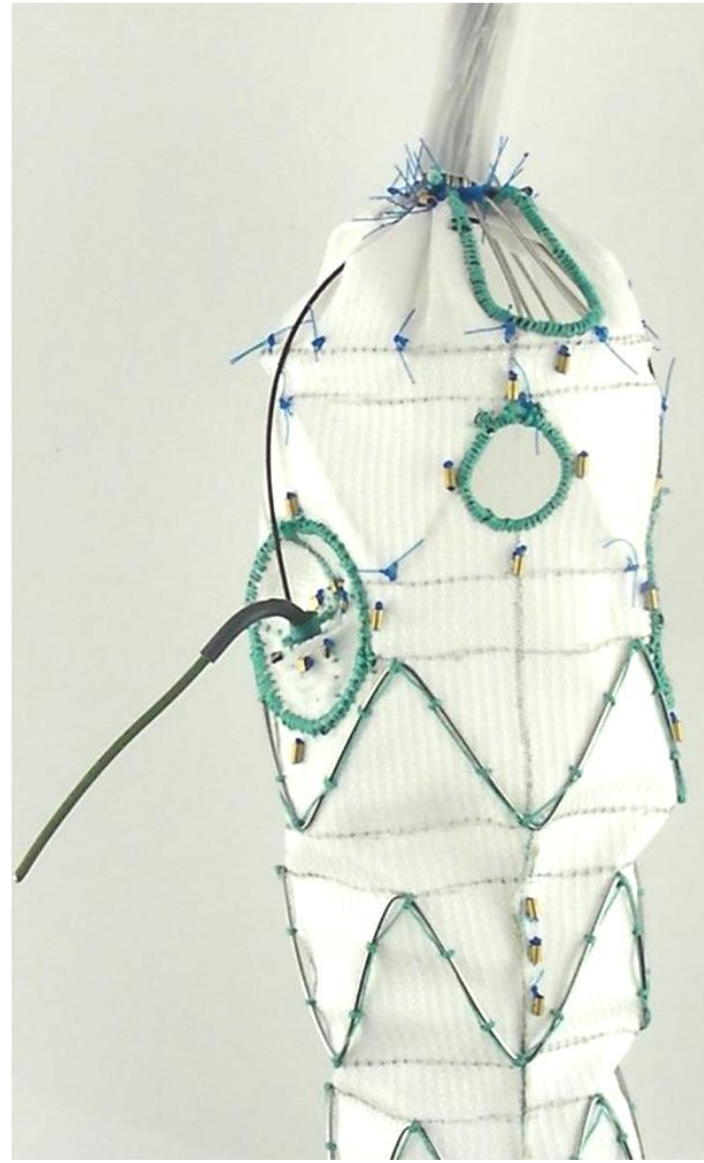

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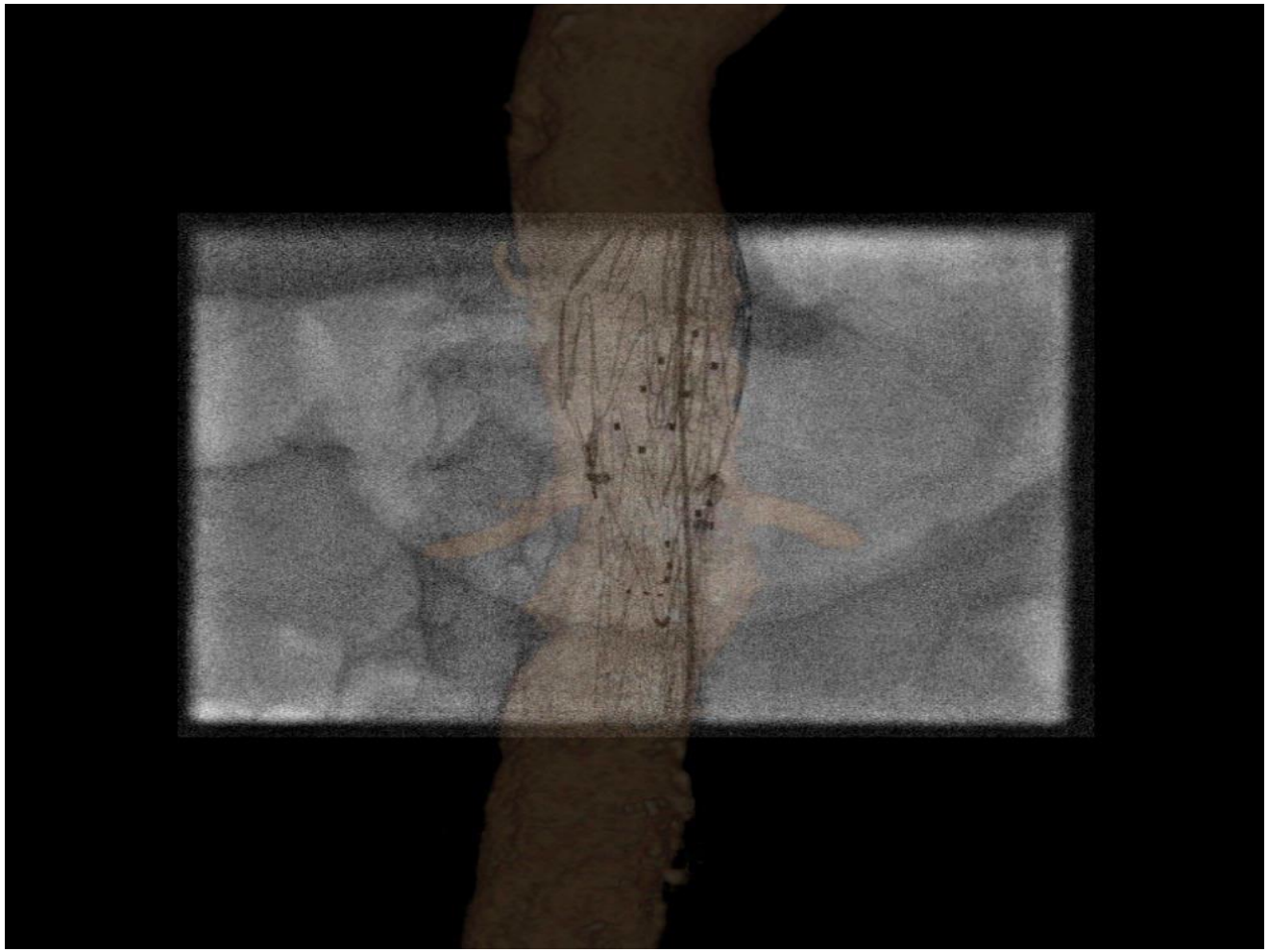

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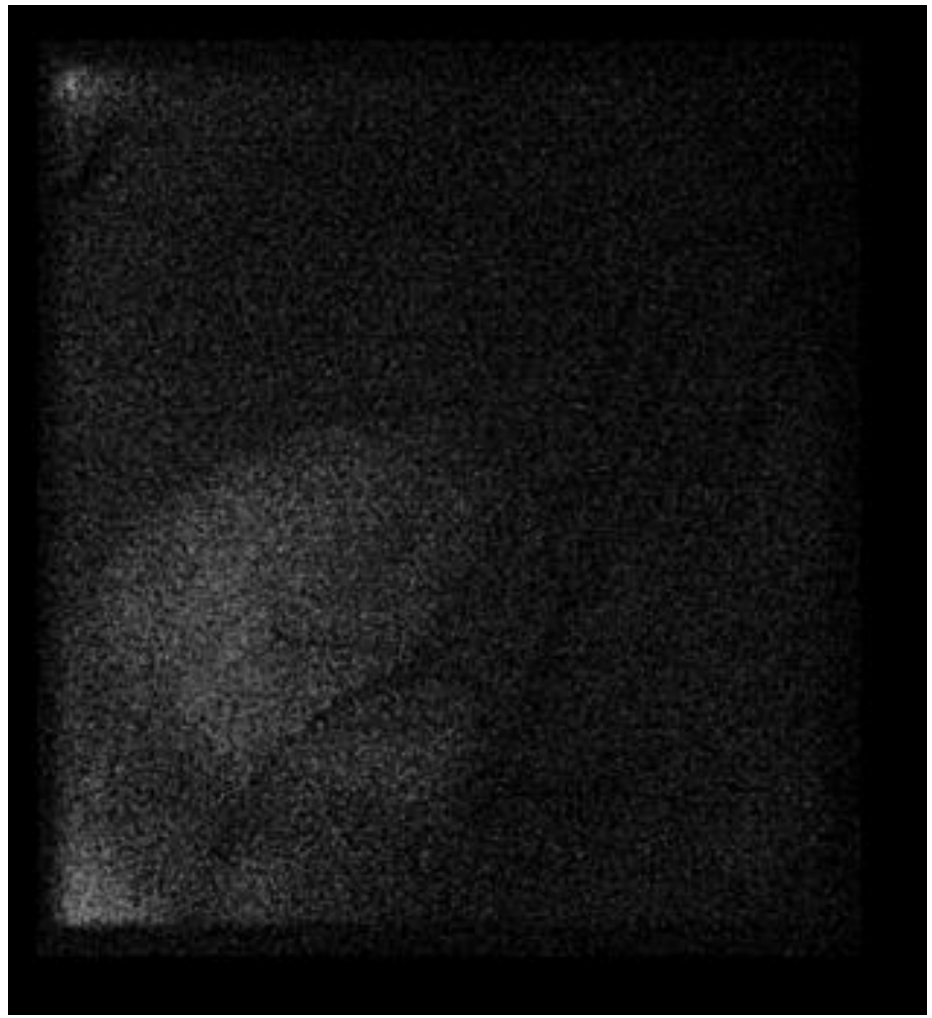

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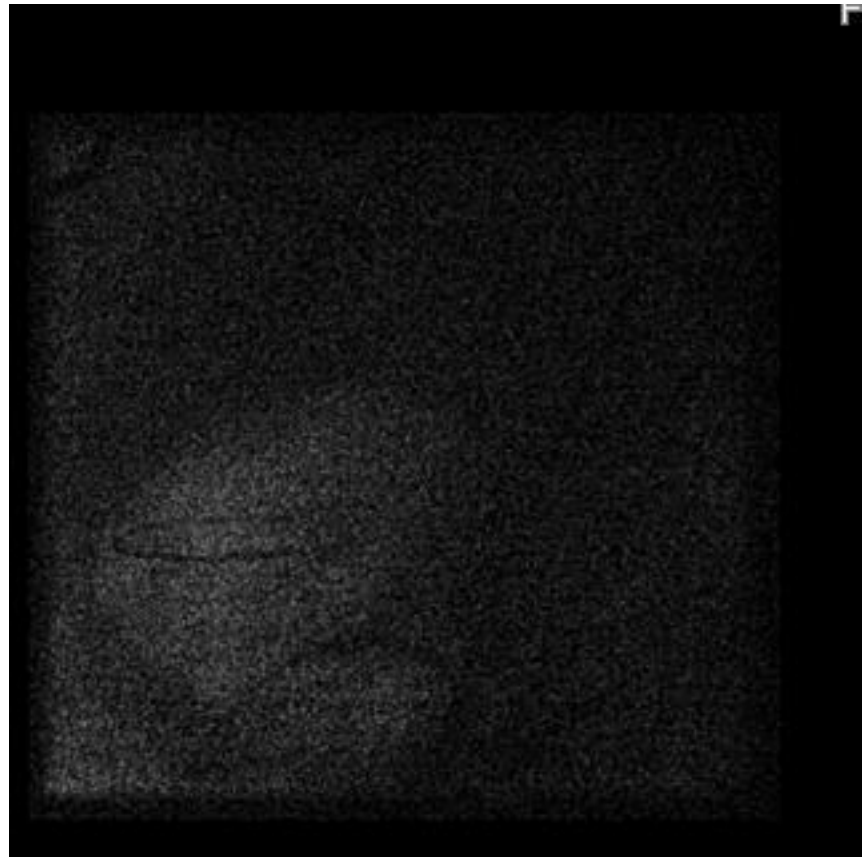

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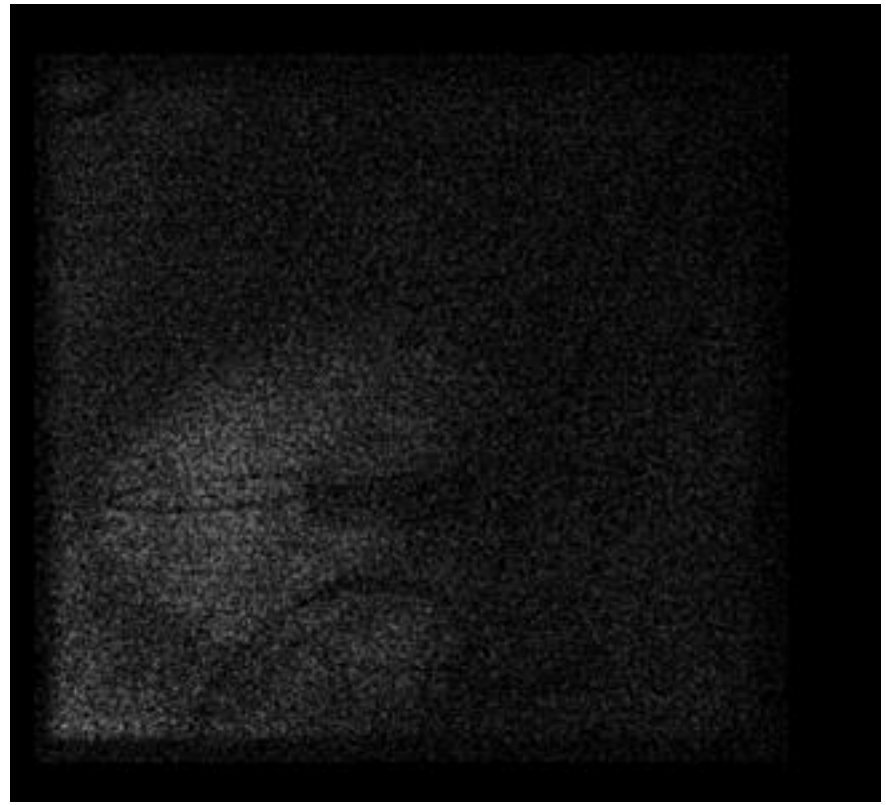

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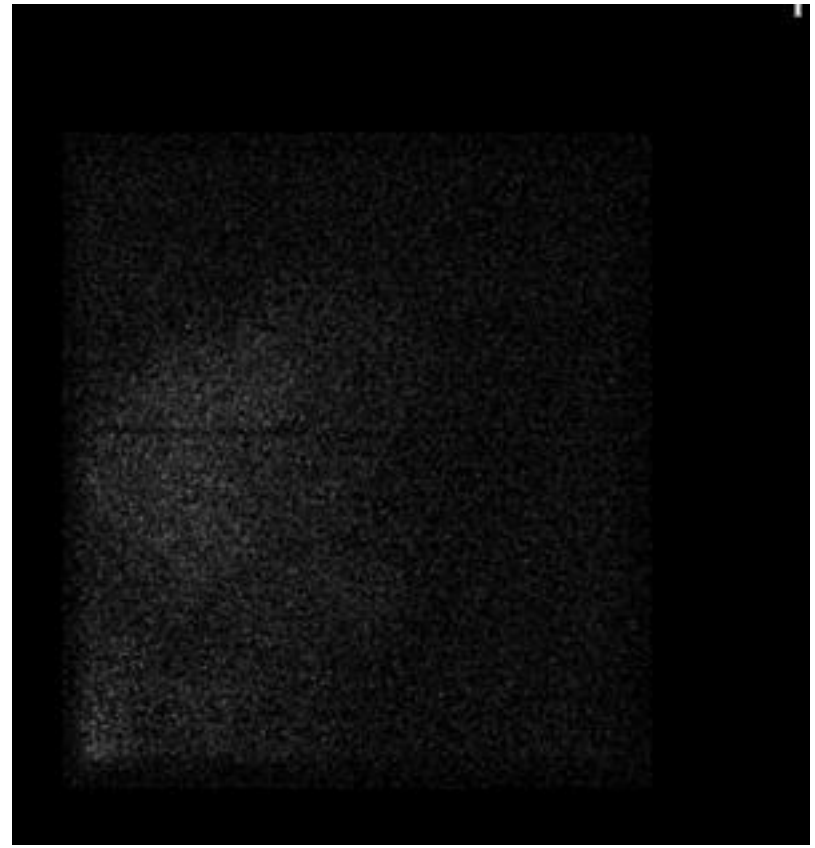

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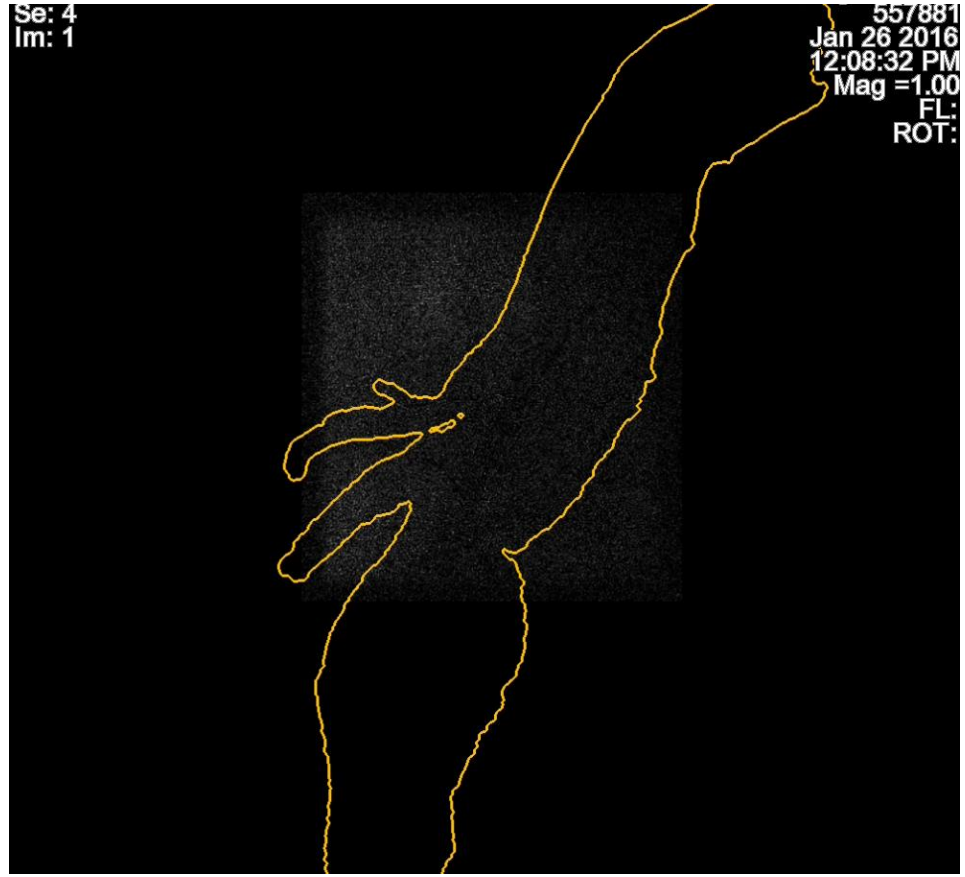
SALEM

TeraRecon

TeraRecon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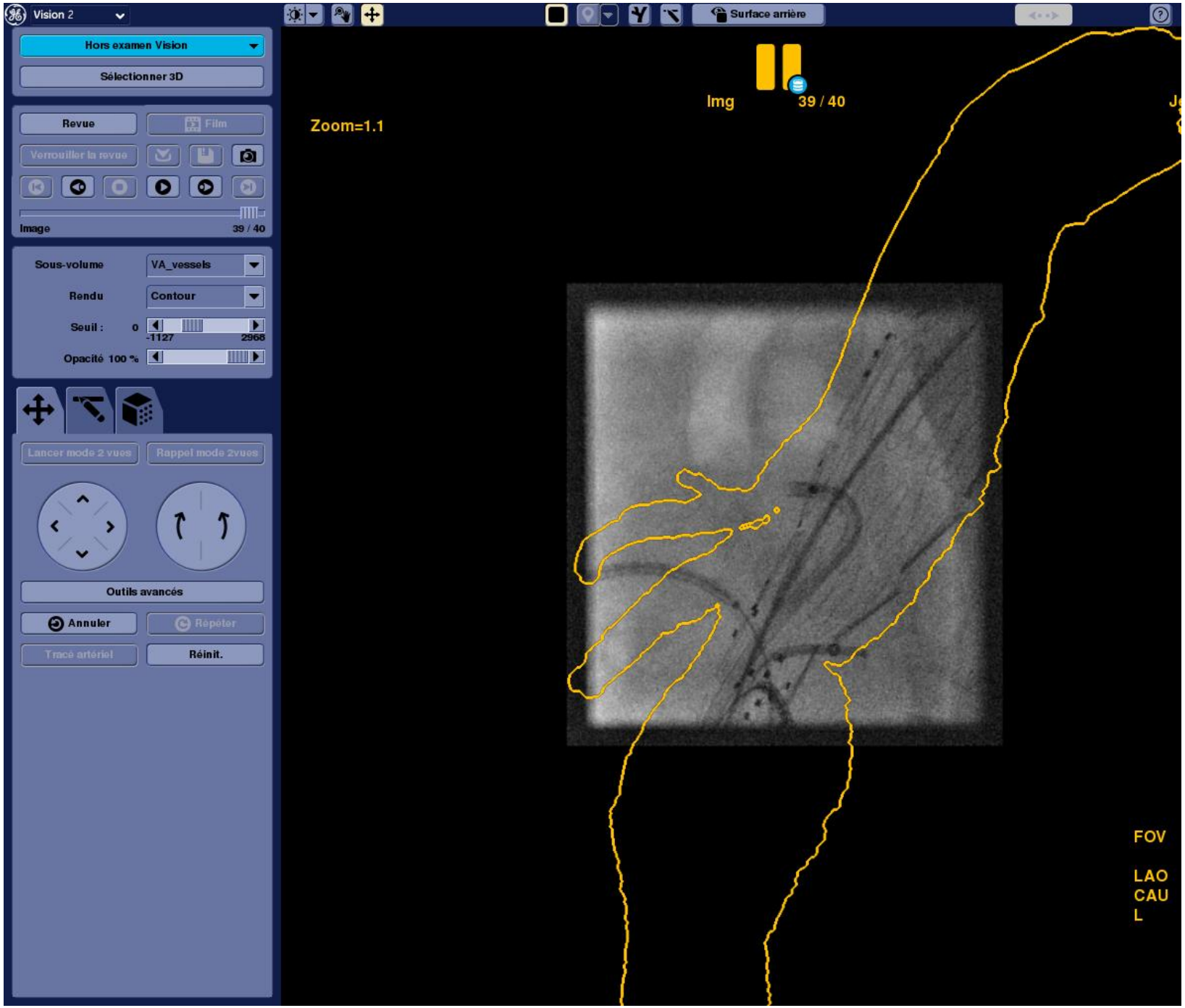
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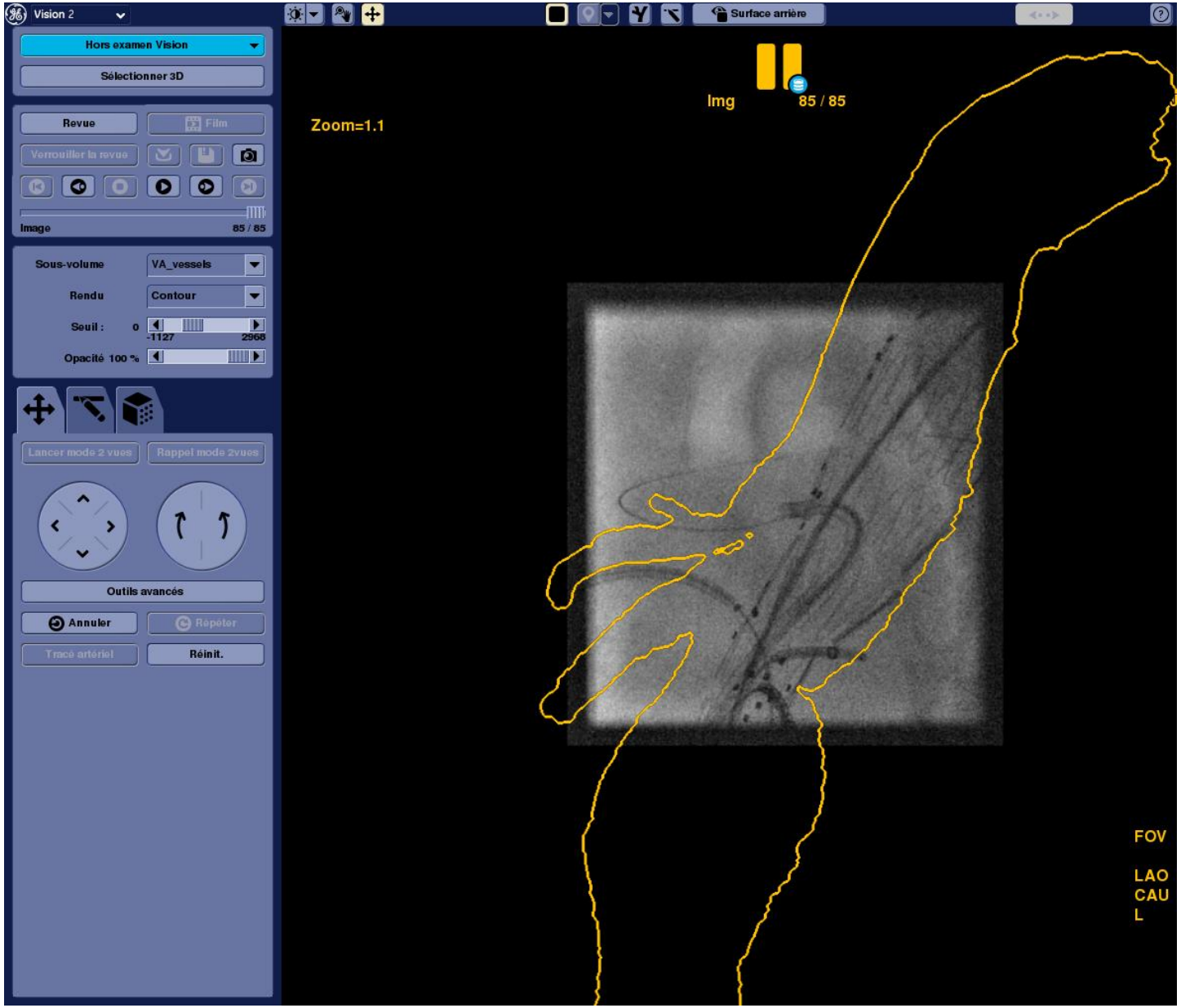
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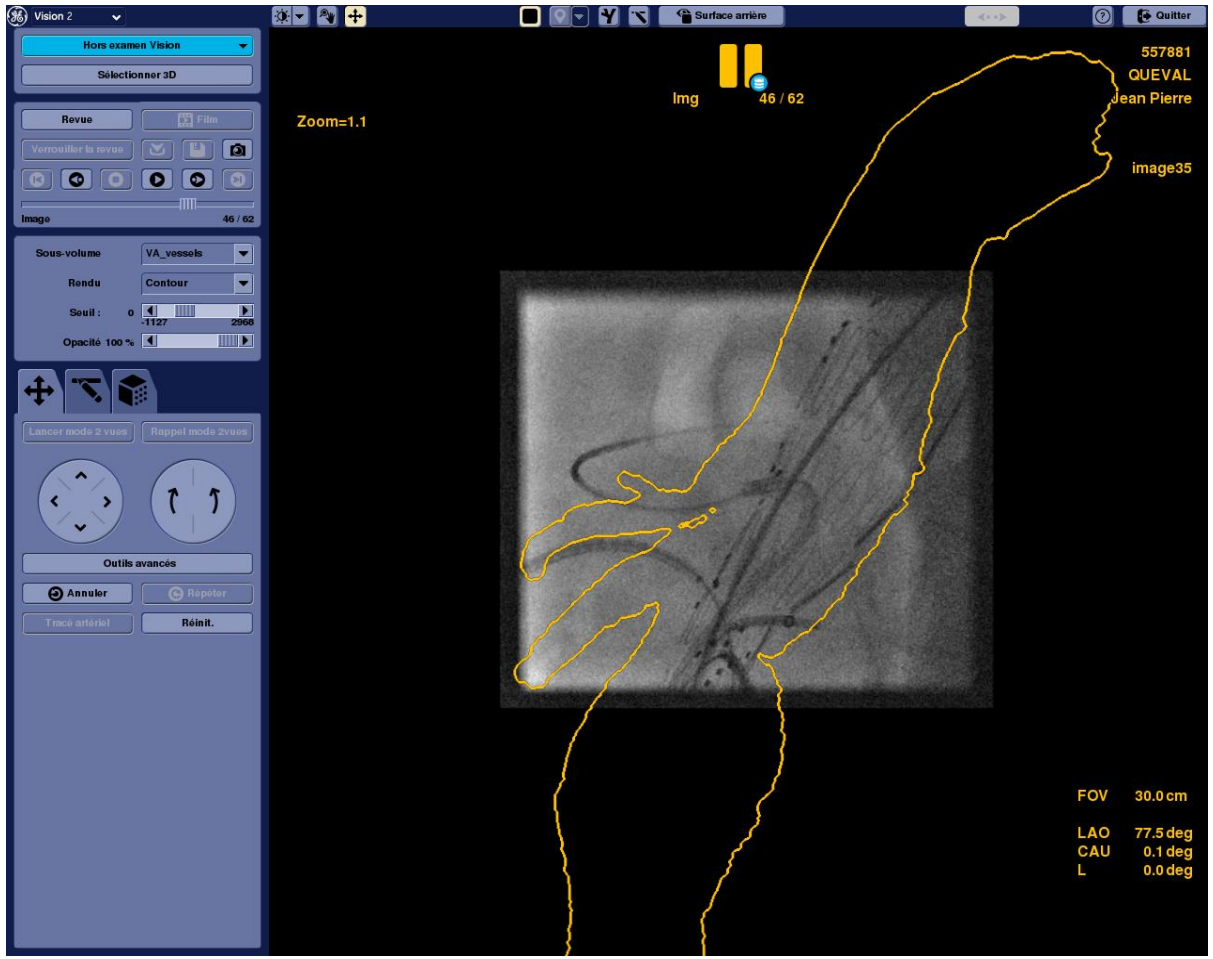
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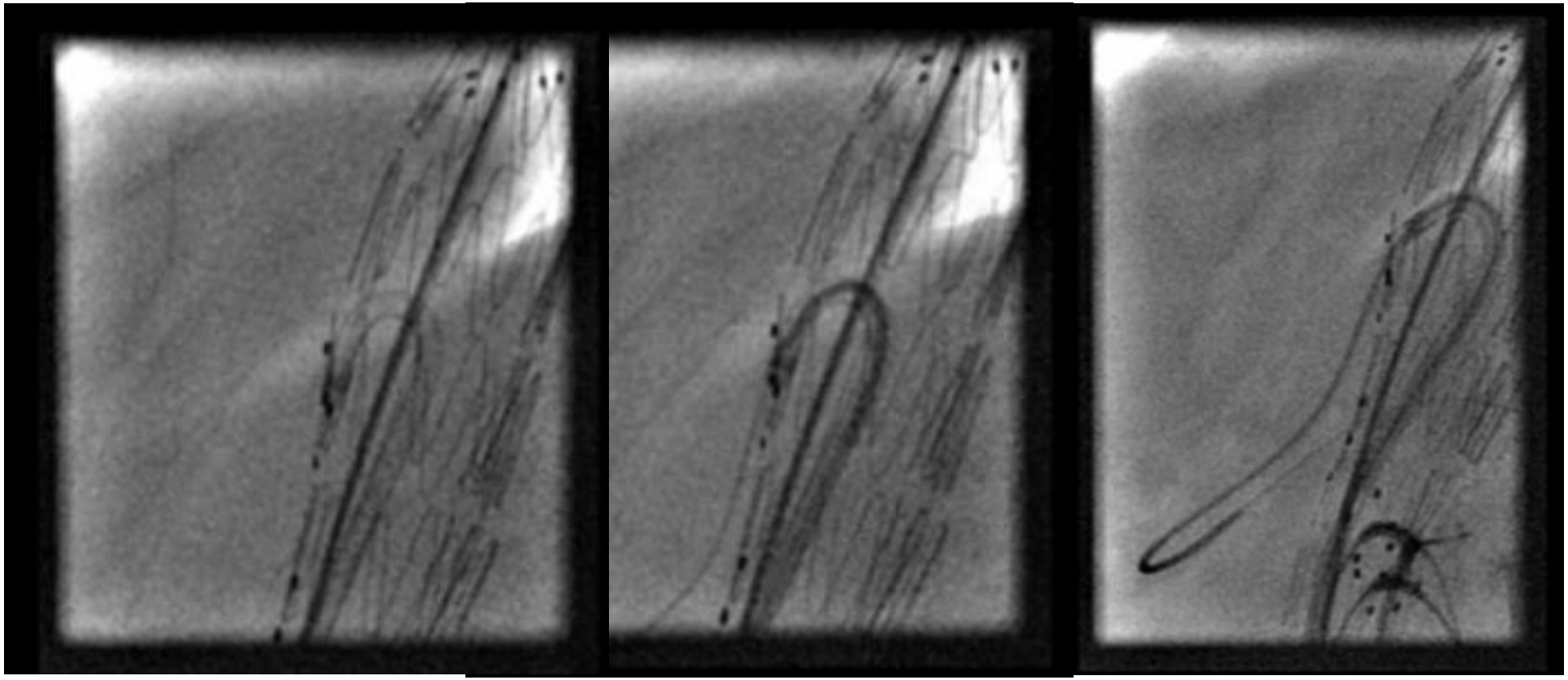
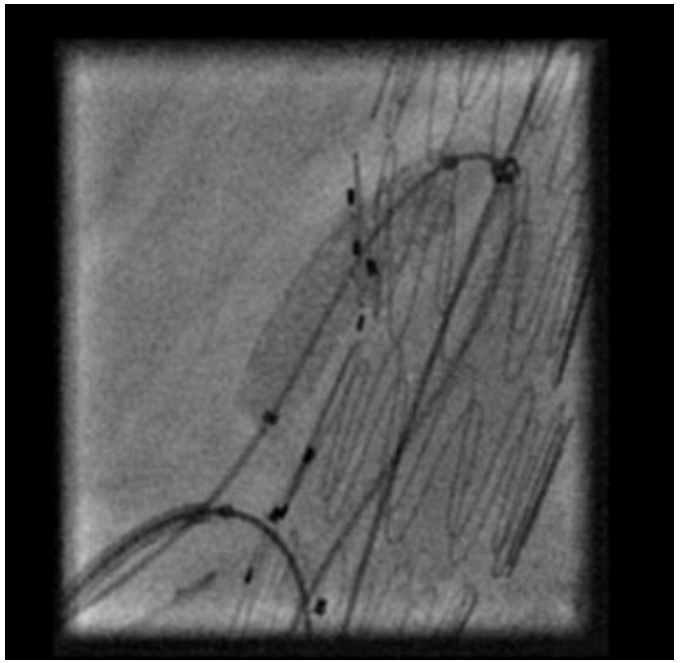
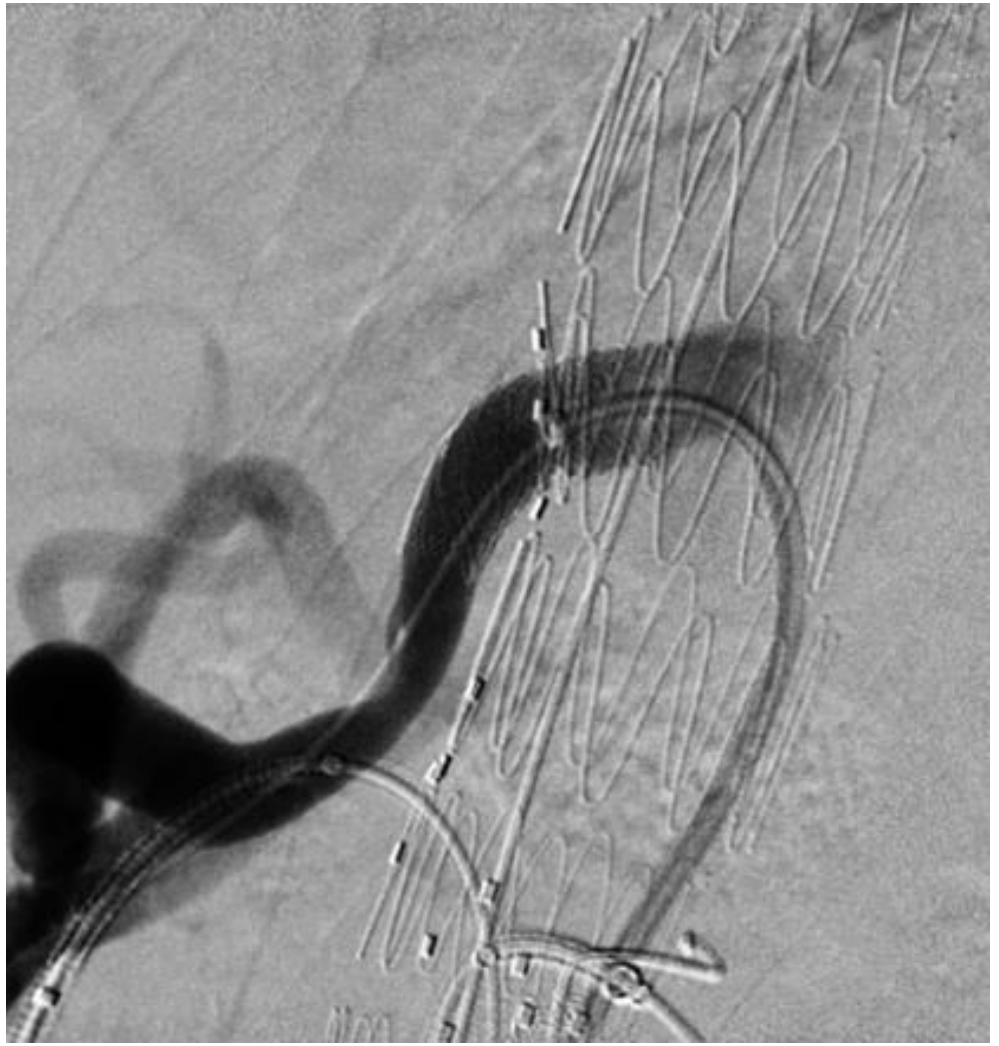
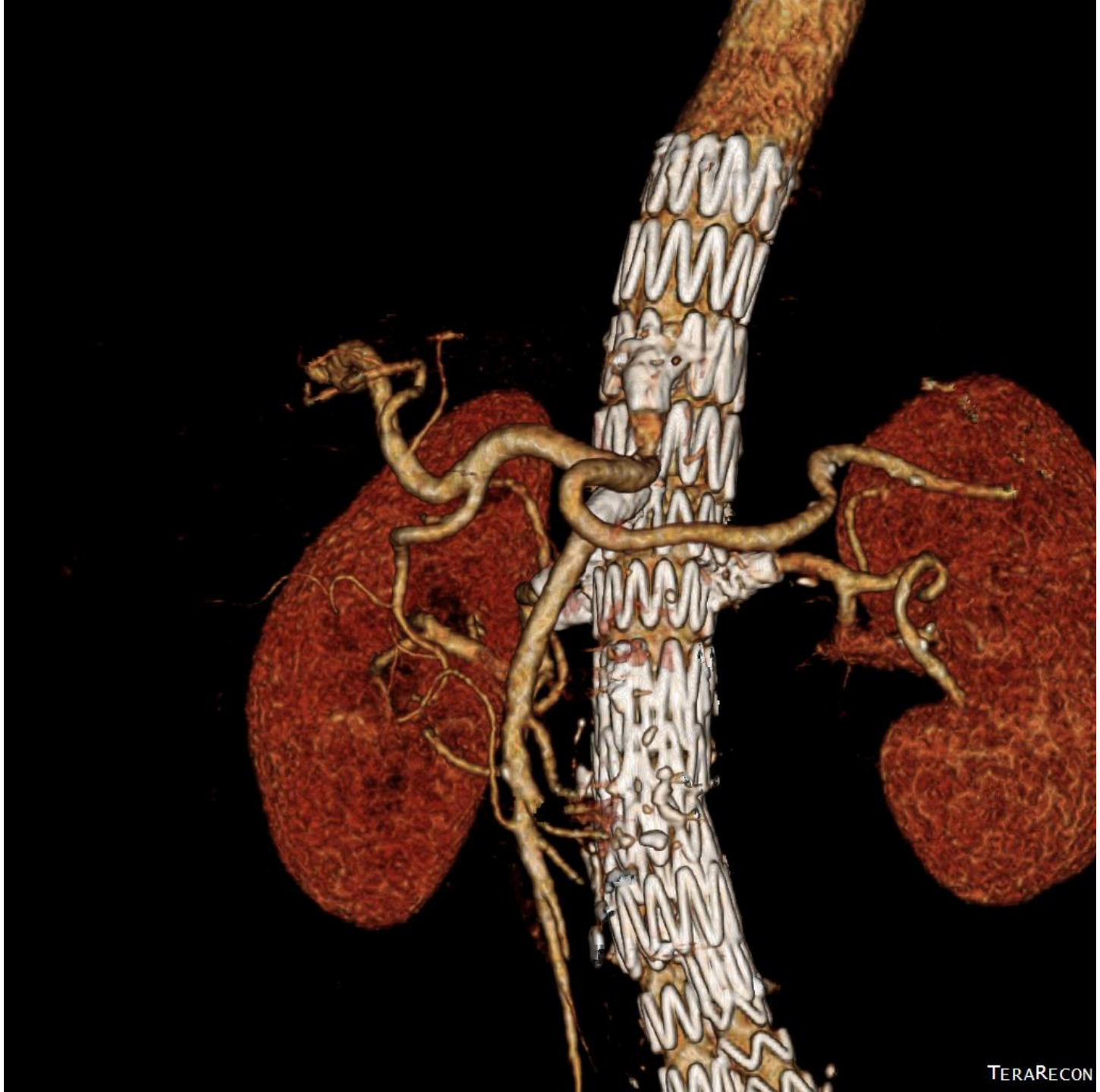
Catheterization of CT with APTUS





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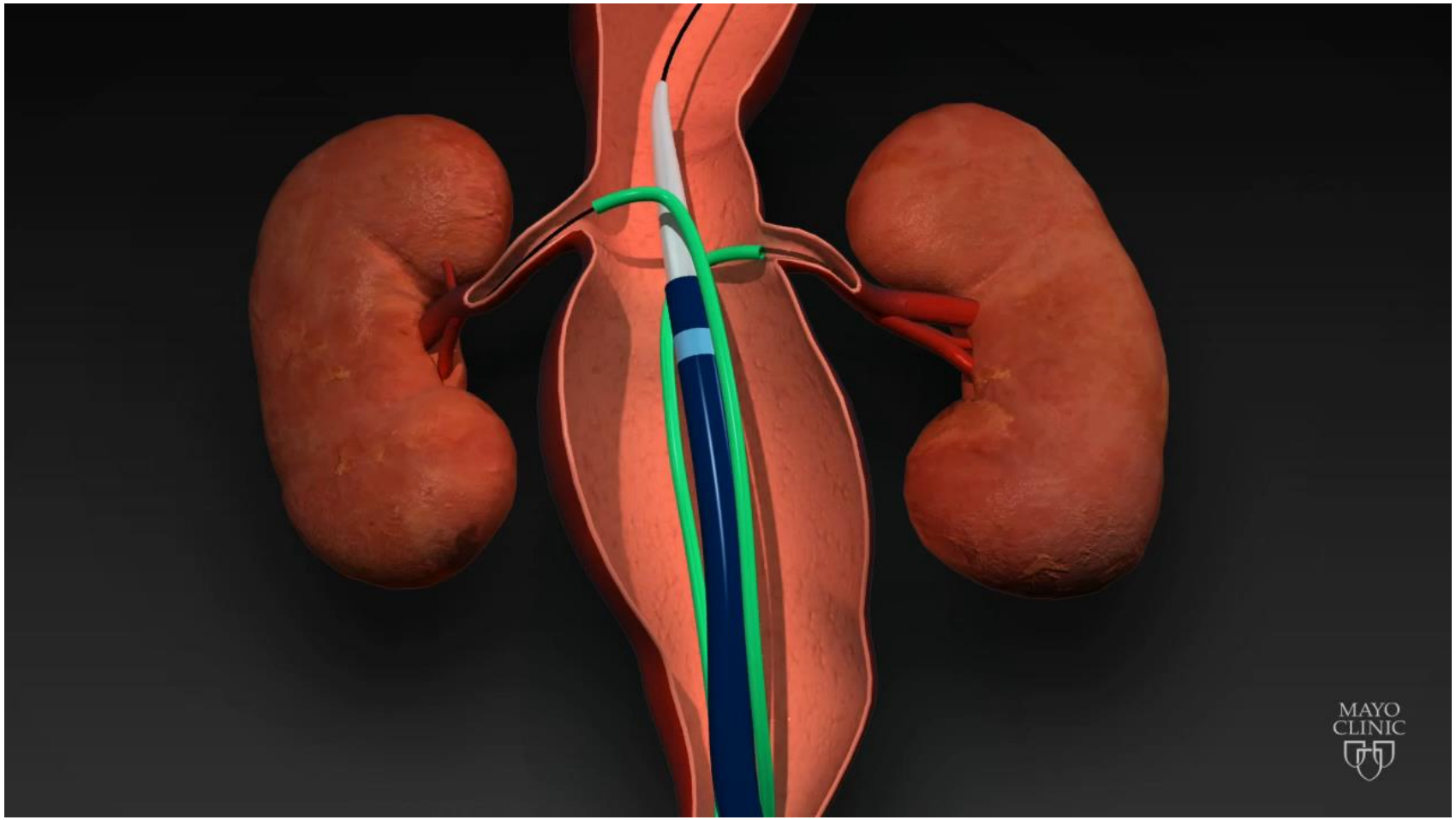

MAYO
CLINIC

Stroke Risk!

◆ENDOVASCULAR THERAPY REVIEWS ◆

Comparison of Outcomes With Open, Fenestrated, and Chimney Graft Repair of Juxtarenal Aneurysms: Are We Ready for a Paradigm Shift?

Athanasios Katsargyris, MD[1]; Kyriakos Oikonomou, MD[1]; Chris Klonaris, MD, PhD[2]; Ingolf Töpel, MD, PhD[3]; and Eric L.G. Verhoeven, MD, PhD[1,4]

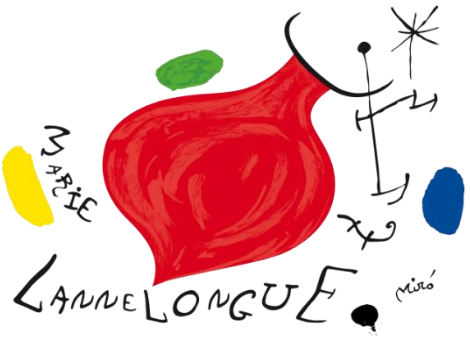
- Meta-analysis of 1725 open surgical, 931 fenestrated-EVAR, 94 chimney-EVAR patients undergoing repair of juxtarenal *AAA*
- Chimney-EVAR has higher type I endoleak rate (10%) than fenestrated-EVAR (4.3%) (p=0.002)
- Chimney-EVAR requires brachial access and manipulation from the arch
- **Chimney-EVAR has a higher stroke rate (3.2%) when compared to for open surgery (0.1%) and for fenestrated-EVAR (0.3%) (p<0.01)**

Katsargyris et al. *J Endovasc Ther.* 2013;20:159–169.

X-ray Protection

Conclusions

- Learning curve
- New tools (steerable sheaths)
- Pre loaded delivery systems
- Radiation protection
- Stroke risk



FEVAR

- I (almost) never use access from above!