

Surpass Streamline

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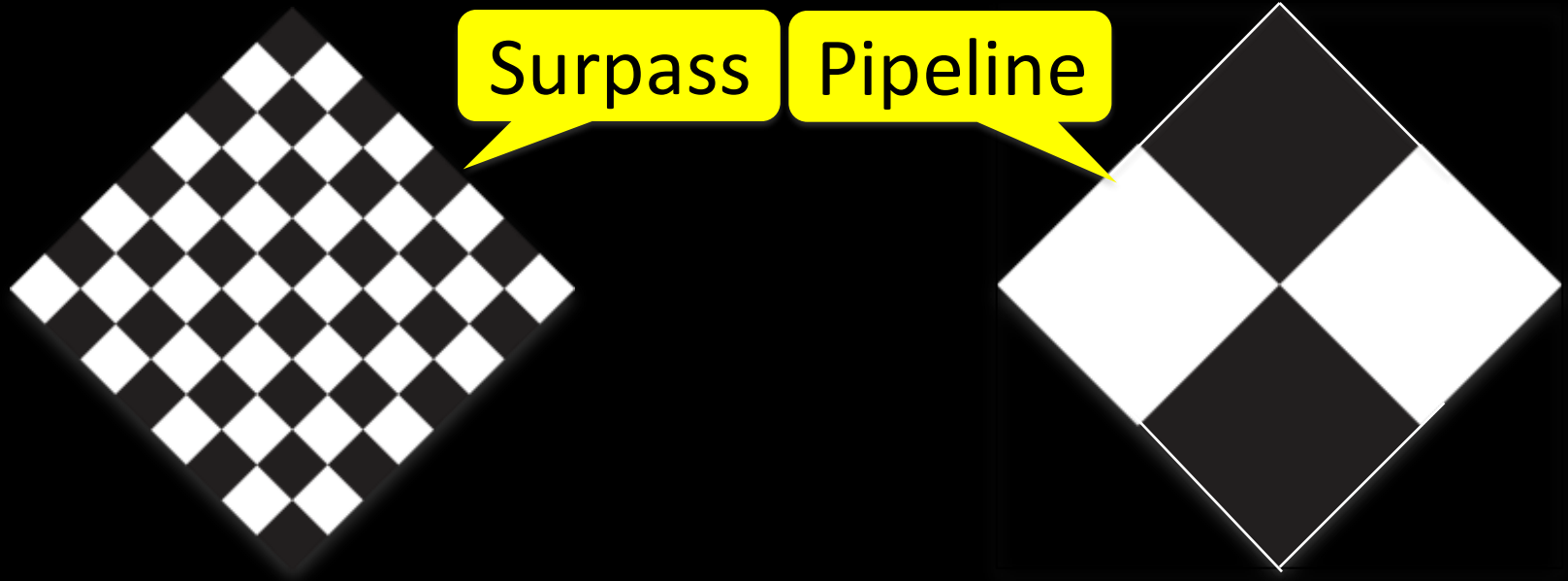


Characteristic of Surpass and PED

- Surpass Streamline
 - 3- and 4-mm: 72 wires
 - 5-mm: 96 wires
- PED :48 wires
 - regardless the size of PED
- ✓ Theoretically, Surpass Streamline has higher mesh density compare to the PED



Mesh Density



Schematic showing equal porosity (50%) but different mesh densities



Mesh Density

- Mesh density (number of pores/mm²), as opposed to porosity (metal-free to total covered surface area), is a more important factor for modulating the efficacy of flowdiverting devices.

Sadasivan et al. Stroke 2009



Lt. ICA (C2) AN

GE MEDICAL SYSTEMS

Kohnan Surpass_2 GE MEDICAL SYSTEMS

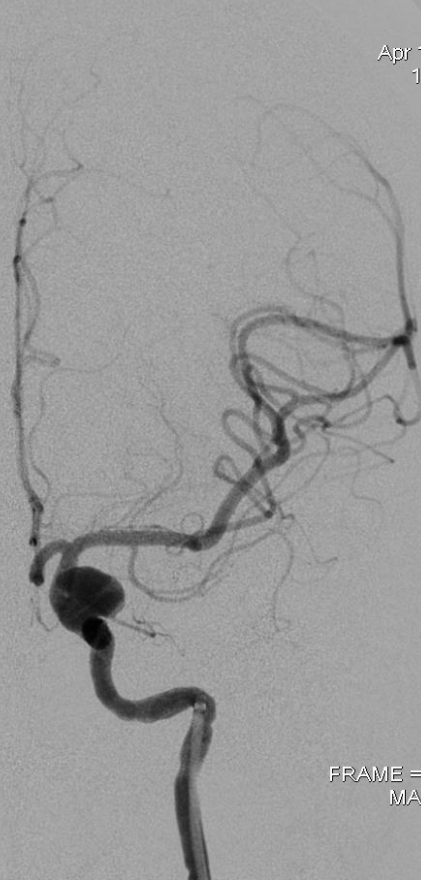
Kohnan Surpass_2

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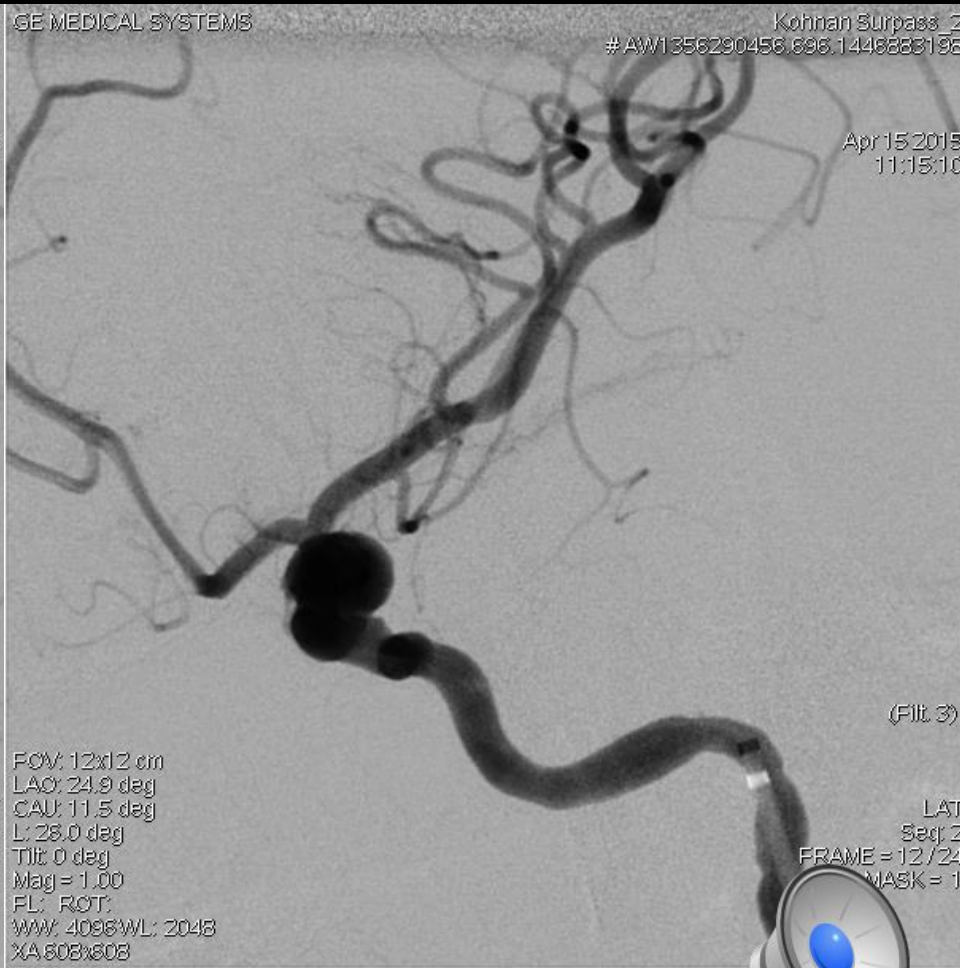
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LAO: 0.0 deg
CRA: 13.0 deg
L: 0.0 deg
Tilt: 0 deg
Mag = 1.00
FL: ROT:
WW: 4096*WL: 2048
XA 1000x1000

FRNT
Seq: 1
FRAME = 13 / 31
MASK = 1
FOV: 30x30 cm
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CRA: 0.2 deg
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XA 750x750

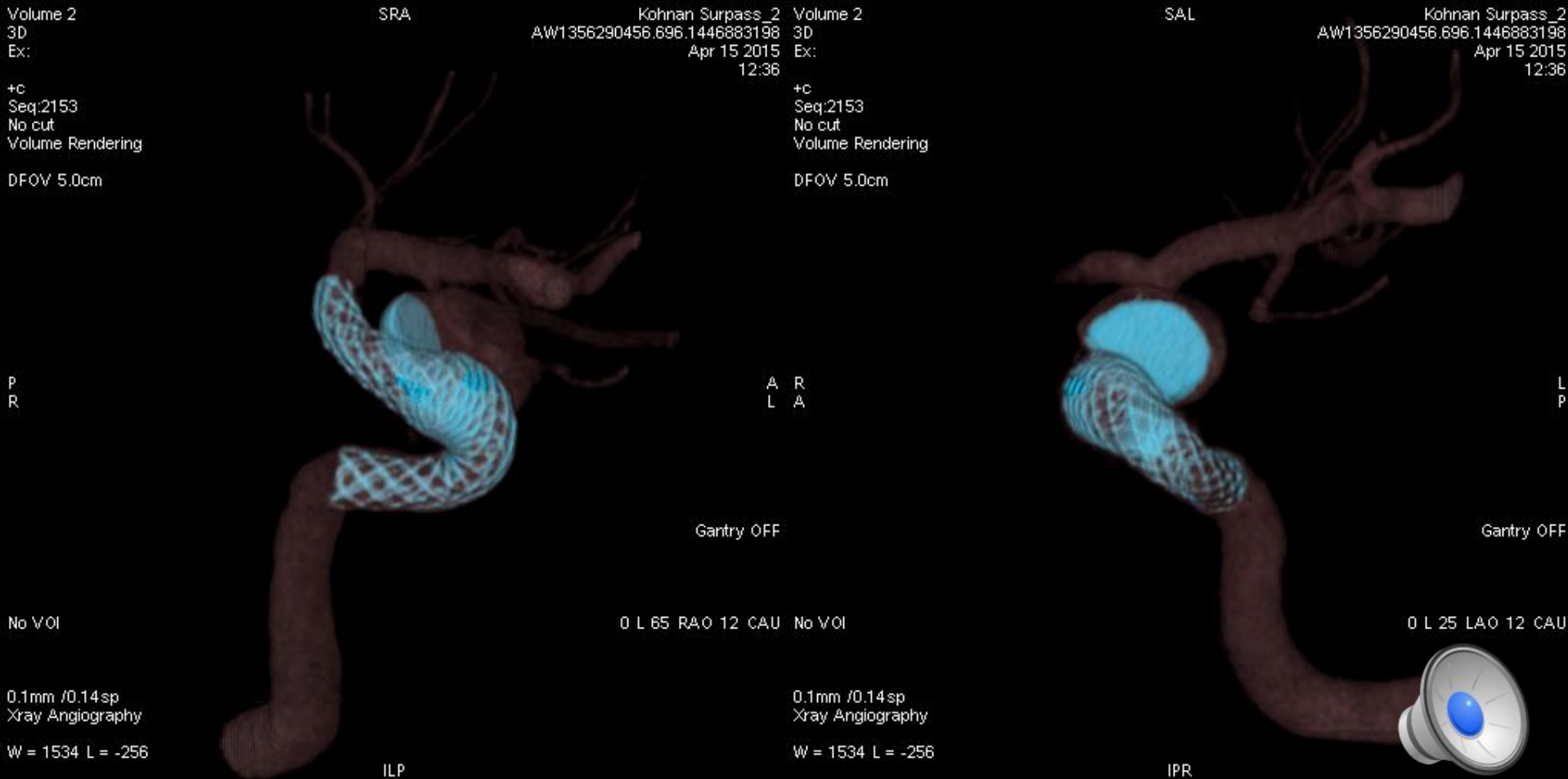
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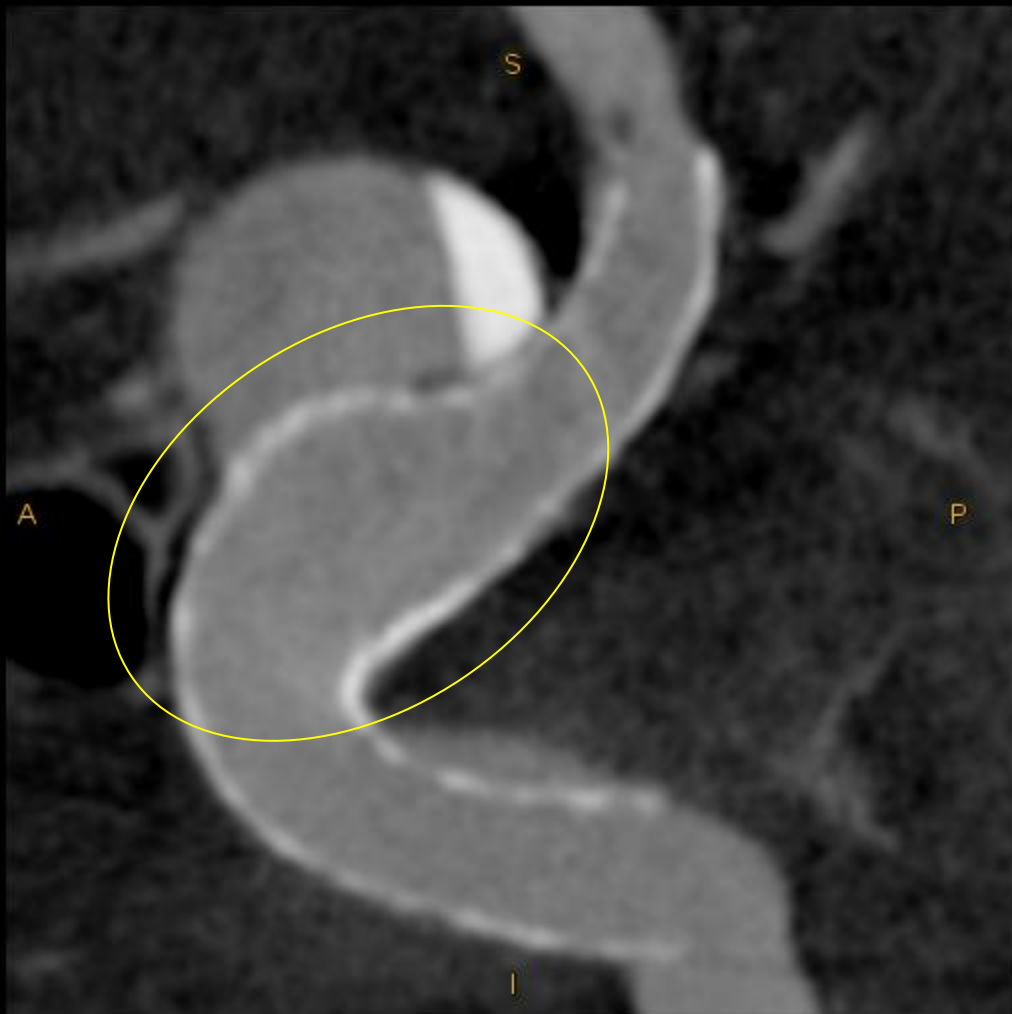
Lt. ICA (C2) AN



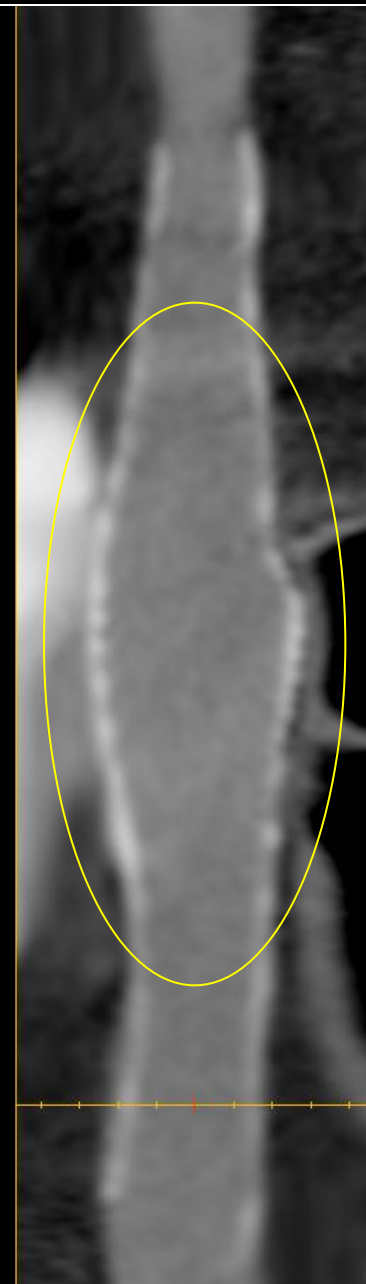
3D volume rendering images Just after the Surpass placement



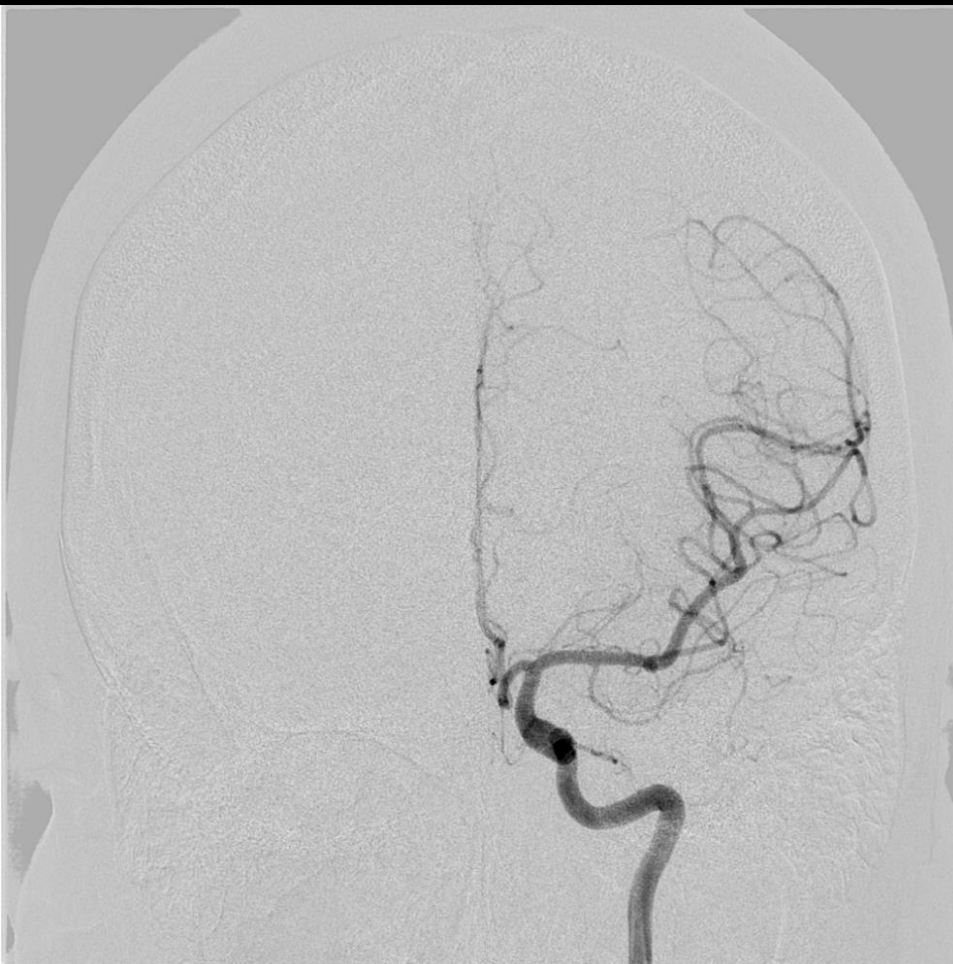
Curved reformation



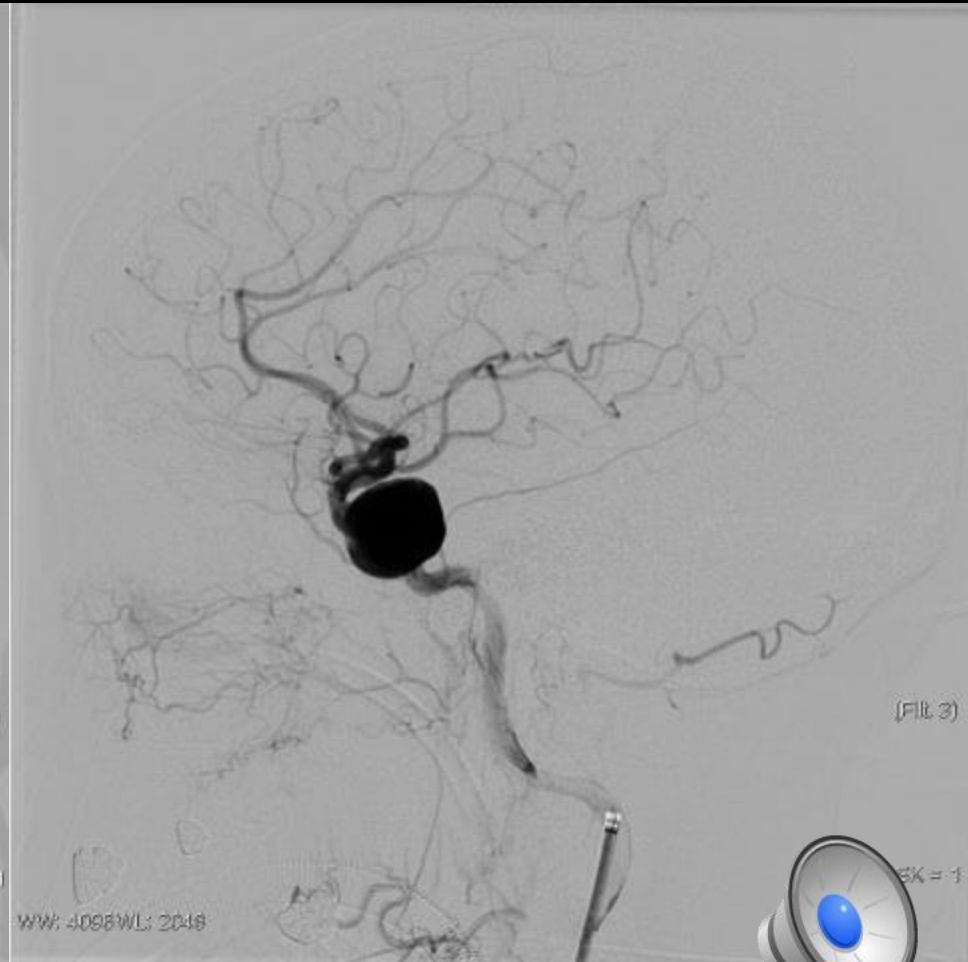
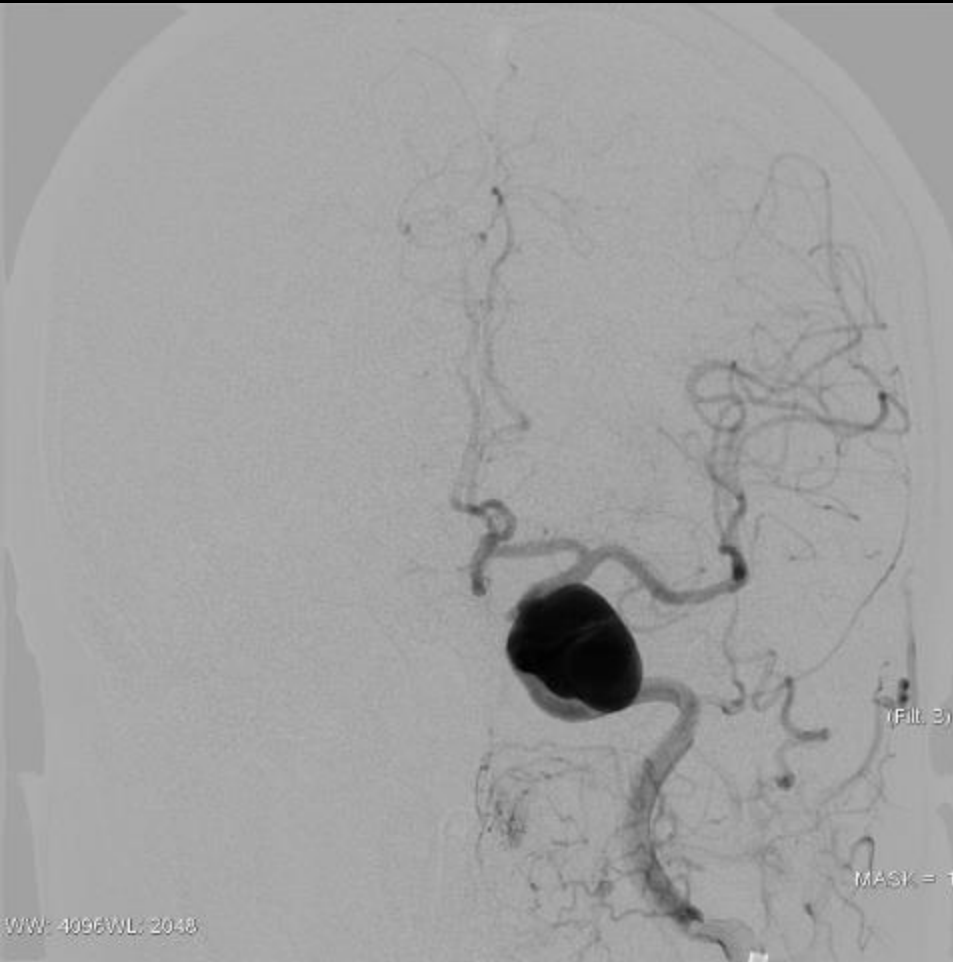
lumen view



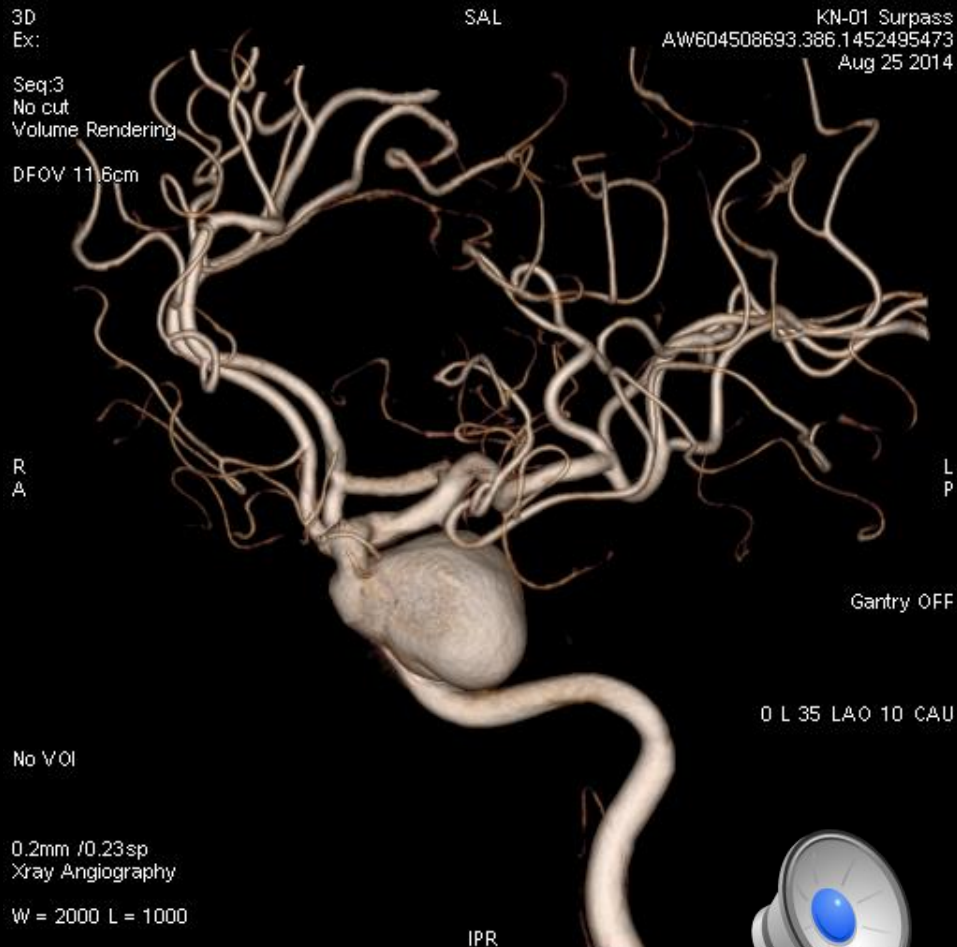
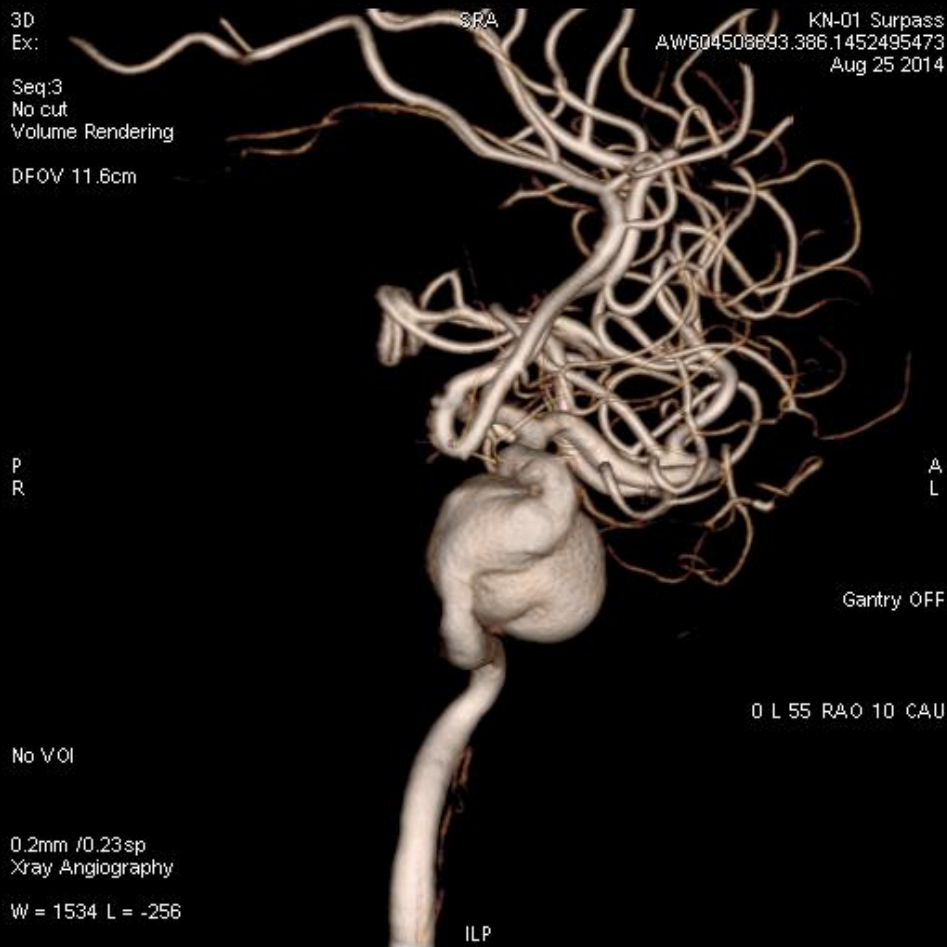
1 week after Surpass placement



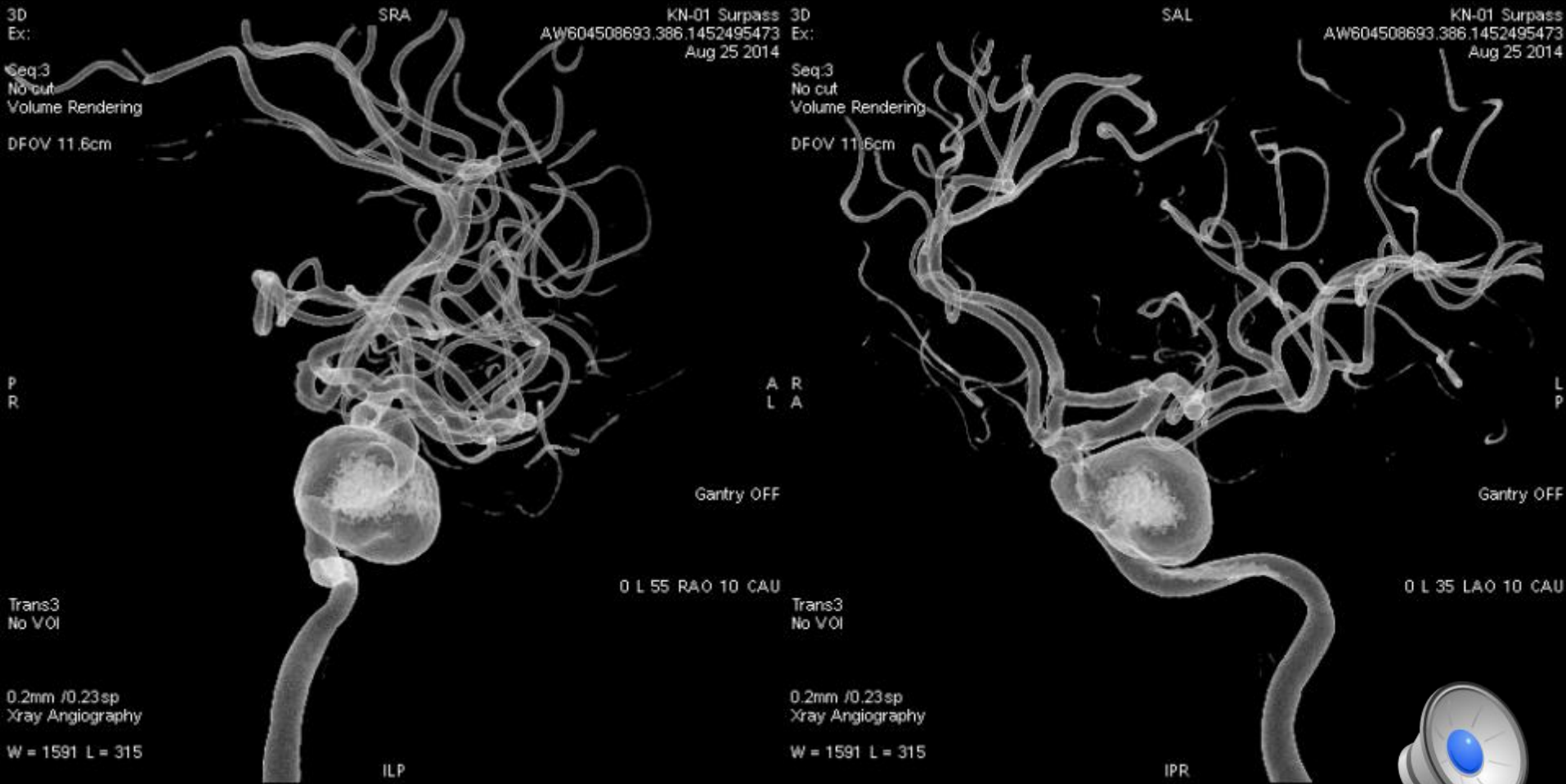
Lt. ICA (C4) AN



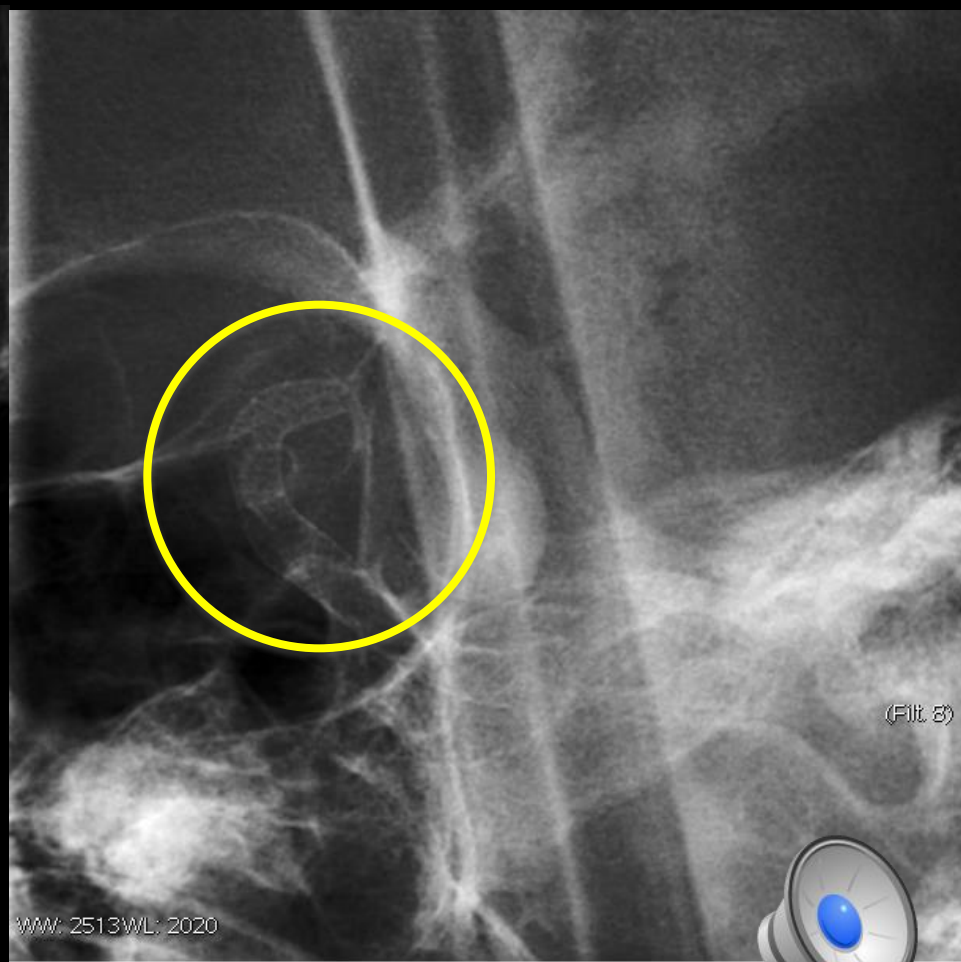
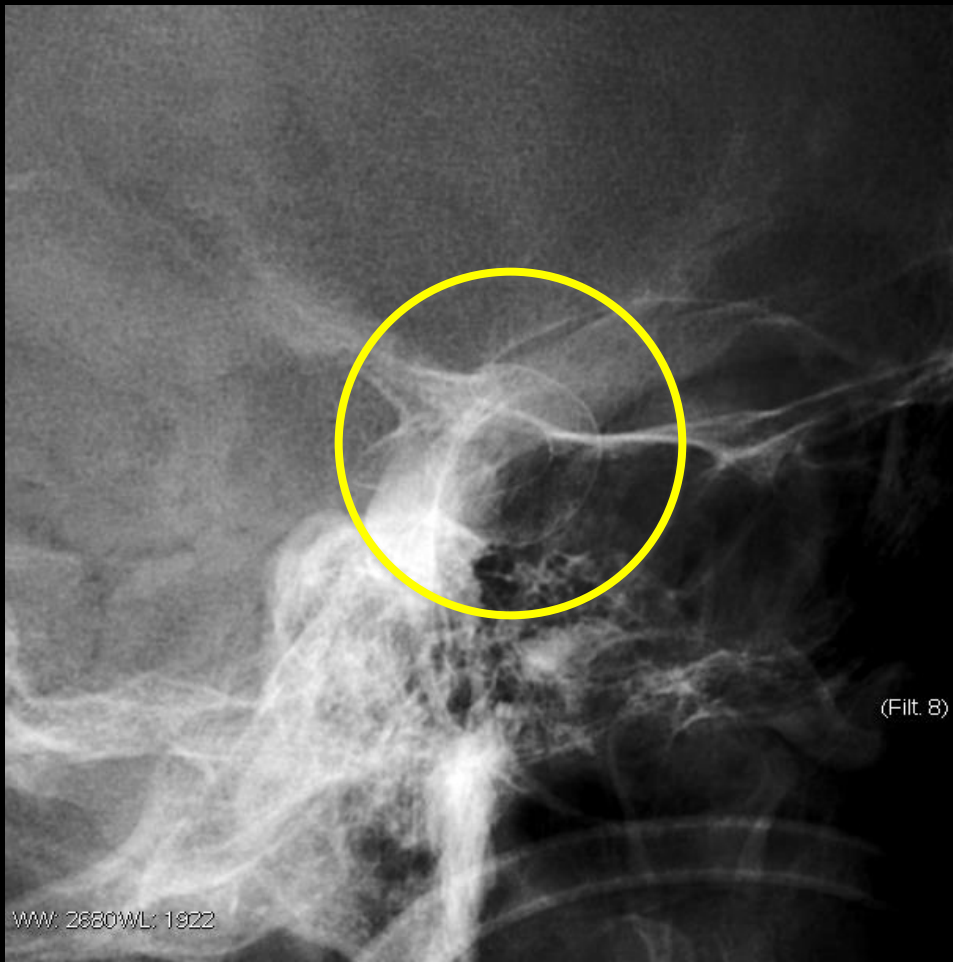
Preoperative 3D volume rendering



Preoperative 3D-VR translucent



DA after Surpass Streamline placement

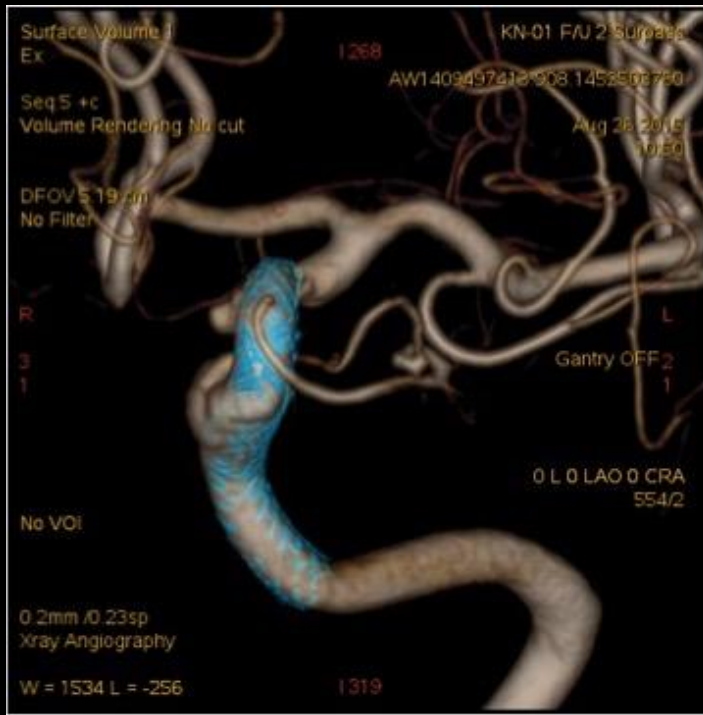


Postoperative DSA on working angle



1 Year follow-up DSA





Thank you.

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