

Biomatrix Alpha in long lessons.

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Severe long lesion treated with Biomatrix Alpha.

- **Clinical data:**
 - 51 y.o. female.
 - CVRF: Hypertension, hypercholesterolemia, active smoker.
 - Stable angina 3 last months.
 - On medical treatment with AAS, betablockers, statins.

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- Clinical data (II)
 - Echocardiogram: severe systolic dysfunction (LVEF 35%) due to akinesia of apical and anterior wall.

Coronariography demanded.

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- Coronariography
 - Right radial access.
 - 6 F catheters.
- Left coronary: Chronic total occlusion of mid LAD, with a very poor distal vessel. (fig 1)
- Right coronary: Severe long lesion comprising from proximal to mid RCA, with vessel aneurism in middle RCA. (fig 2)

Severe long lesion treated with Biomatrix Alpha.

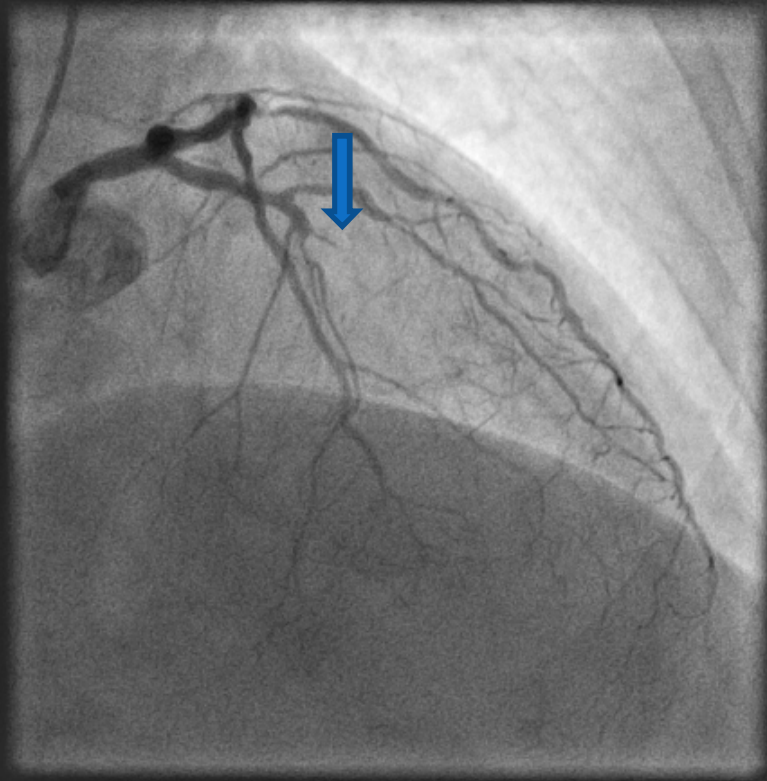


Fig 1

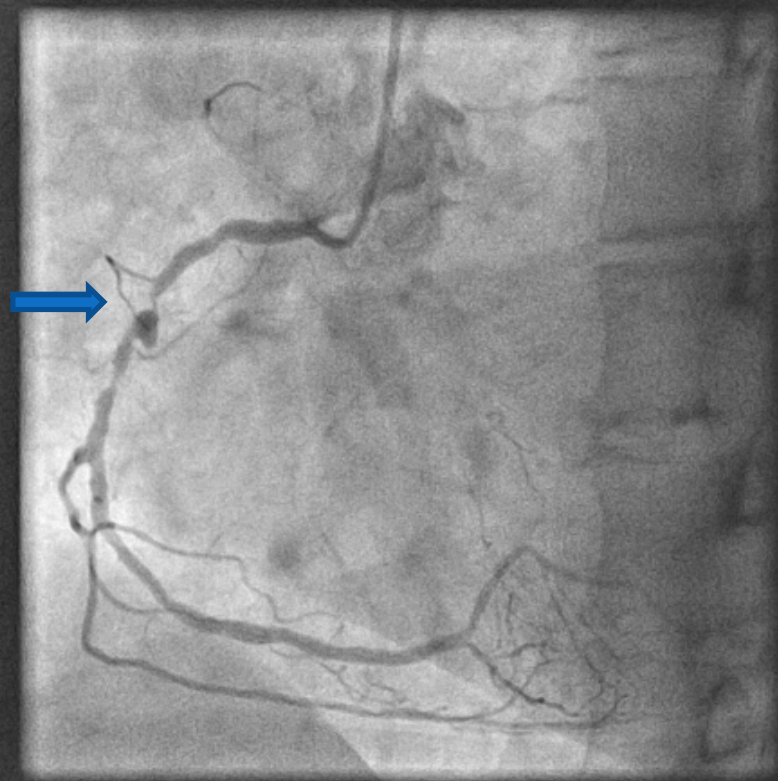
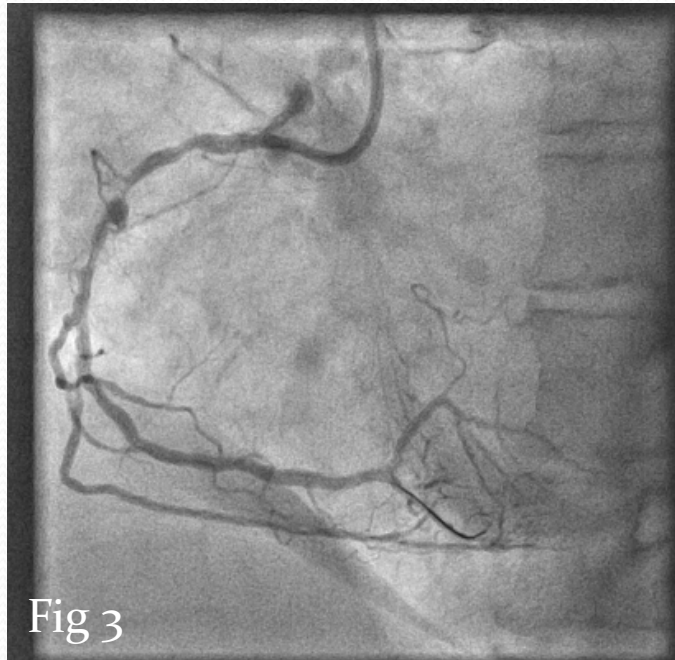


Fig 2

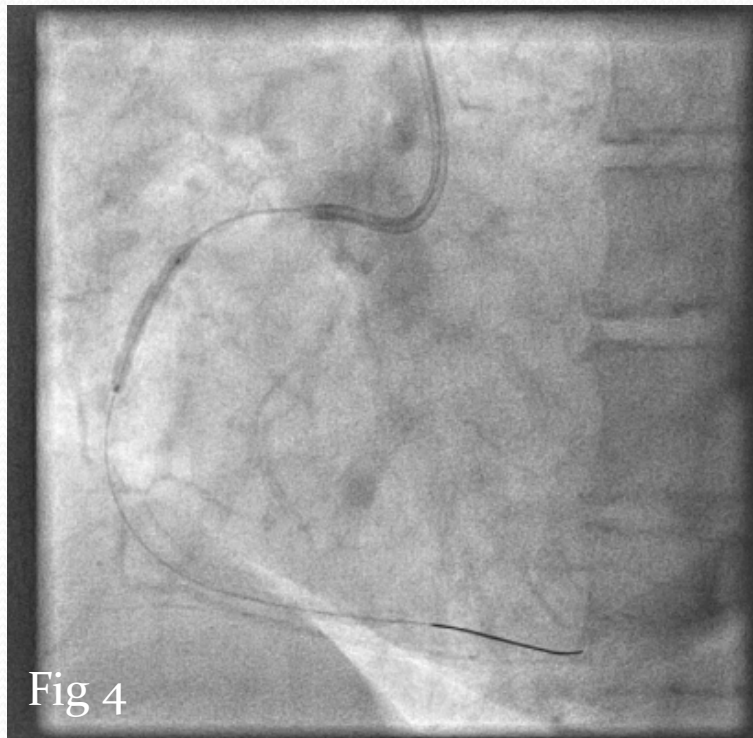
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- We decided to perform PCI in the RCA lesion, as the distal vessel of the LAD was poor and there was no viability study regarding this territory .
 - AR 2 6 French catheter. Powerturn guidewire. (fig 3)



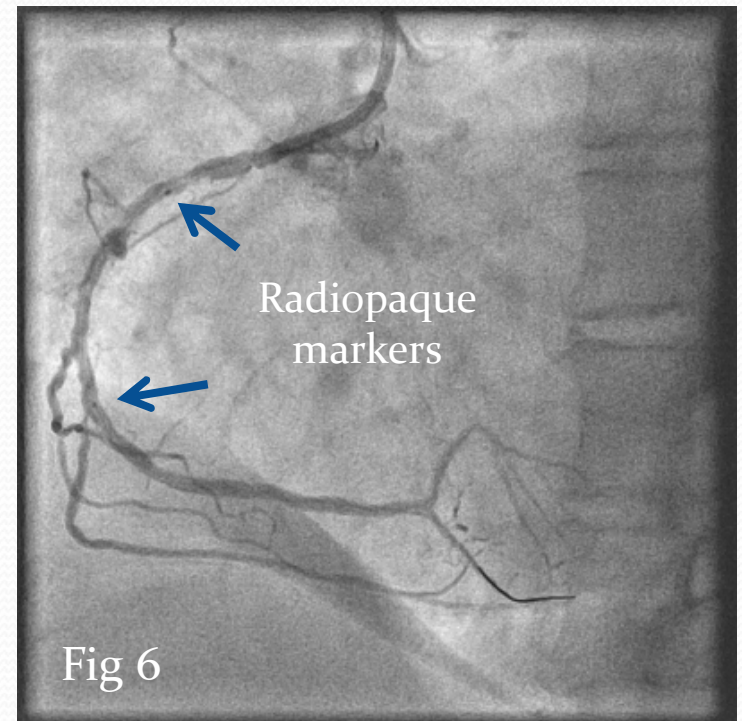
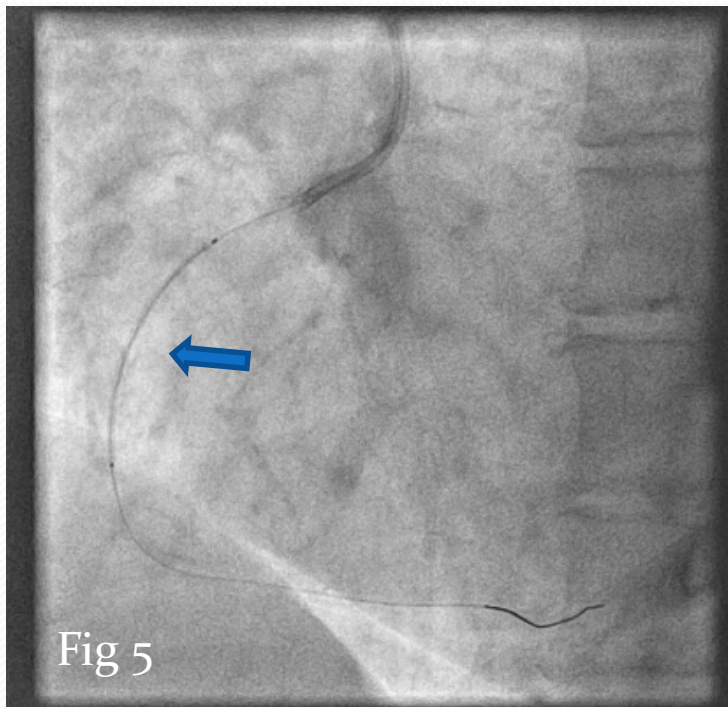
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- Predilatation with semicompliant balloon (2.5 x 20 mm; 10 atm).
 - Good expansion of the balloon at low pressure (fig 4)



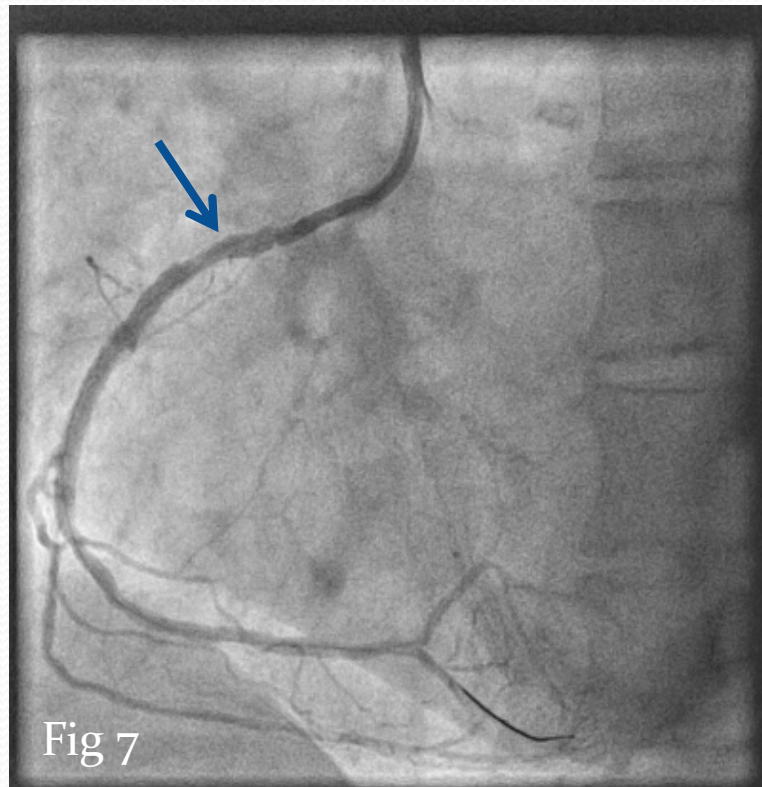
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- Biomatrix Alpha implanted (3 x 36 mm; 14 atm).
 - Smooth passage of the stent until the distal portion of the lesion. No need for further support (fig 5 & 6).



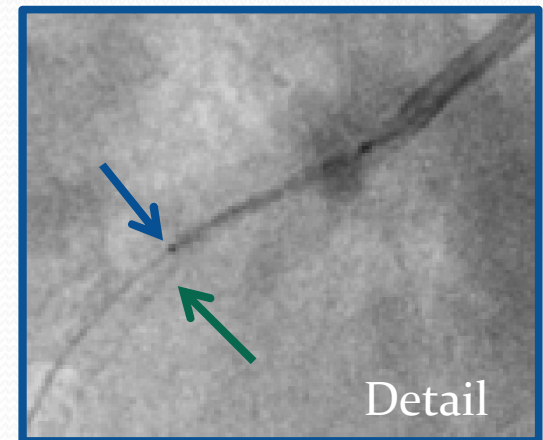
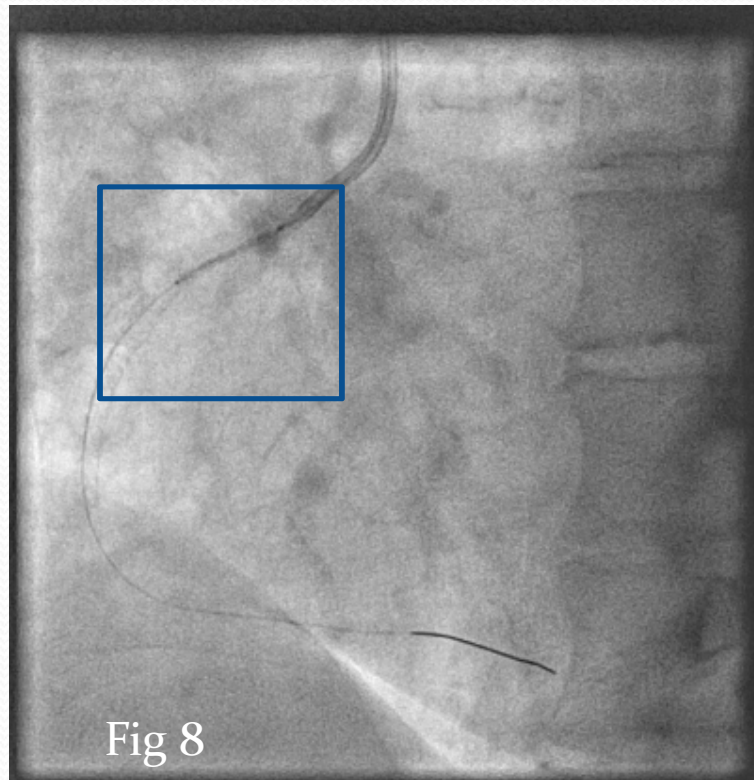
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- Good result after stenting. Residual plaque and dissection proximal to the stent (fig 7).



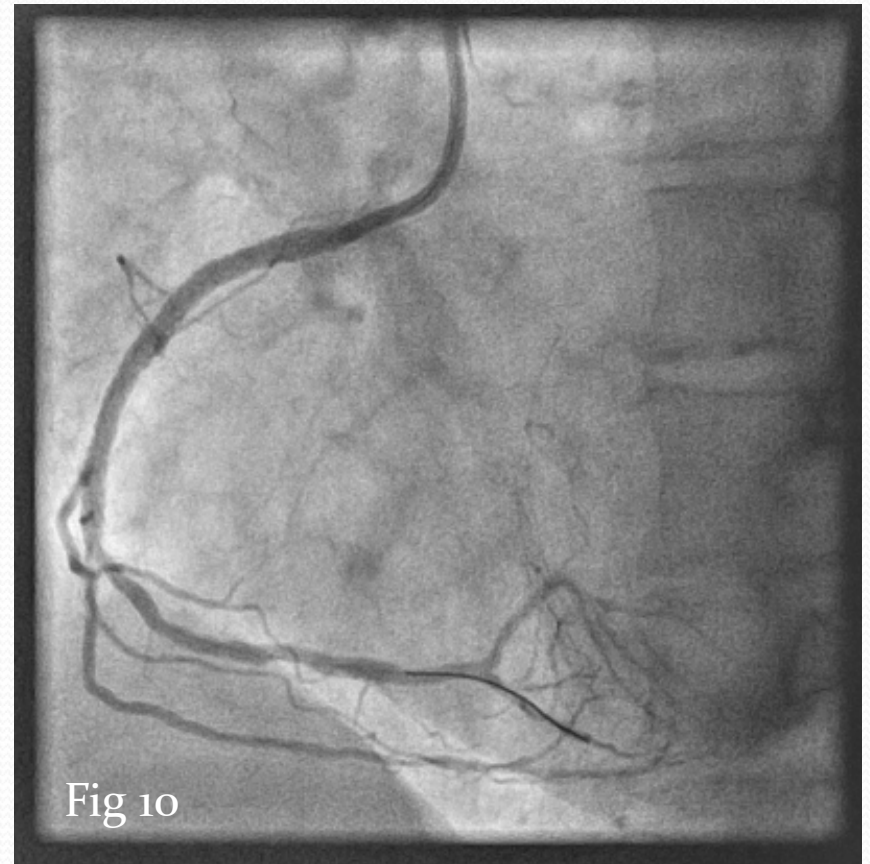
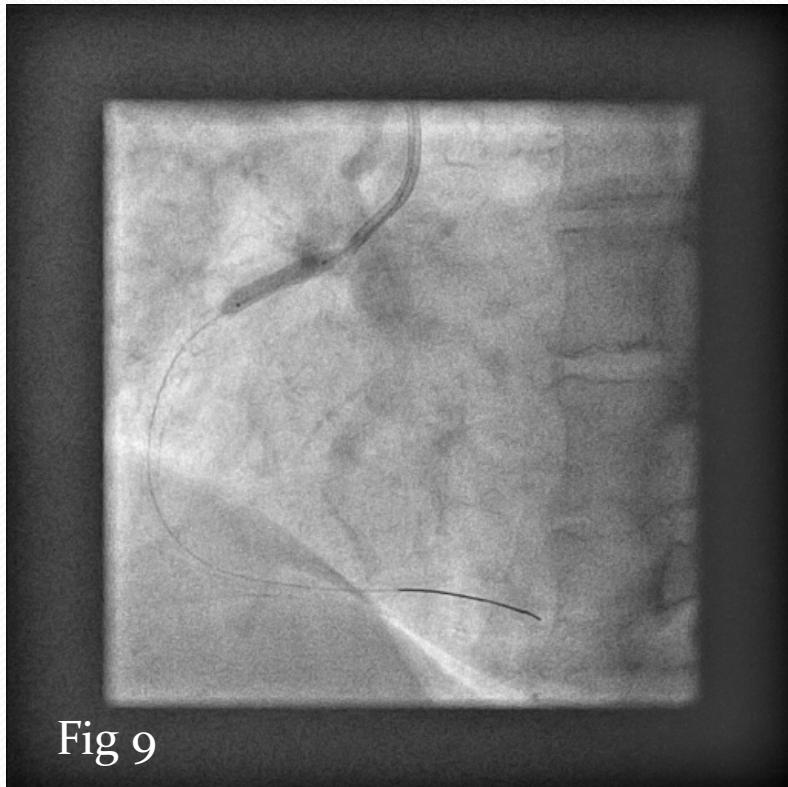
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- Additional proximal stent. Nice visibility of the stent in normal fluoro; precise placing with overlapping borders.



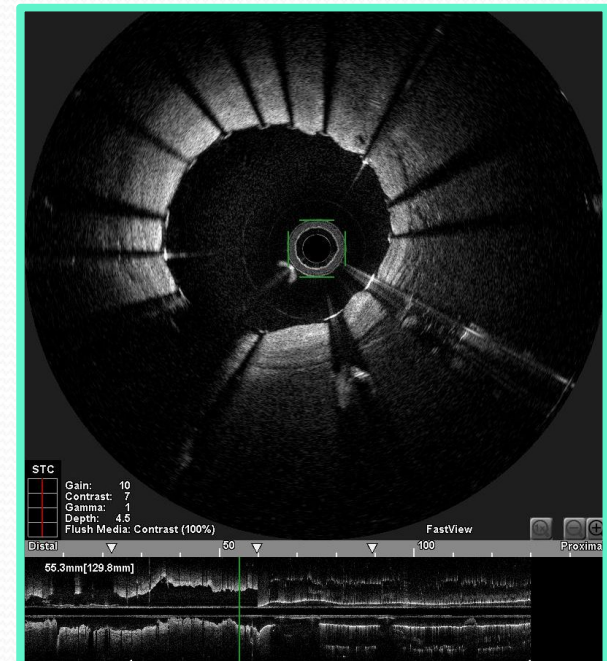
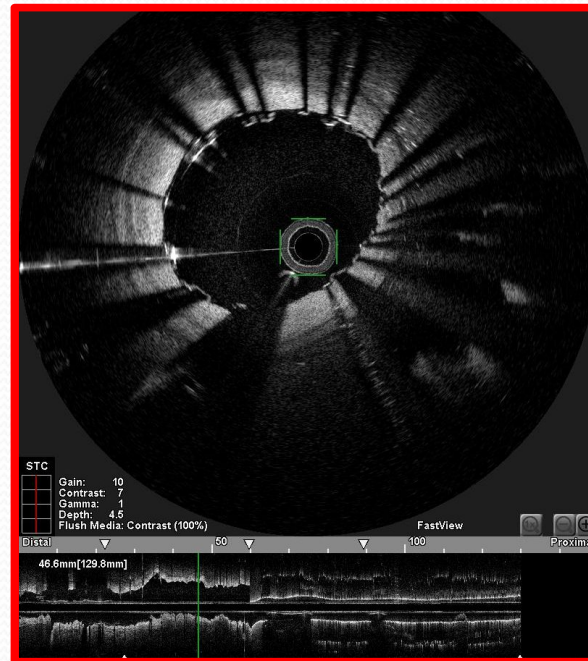
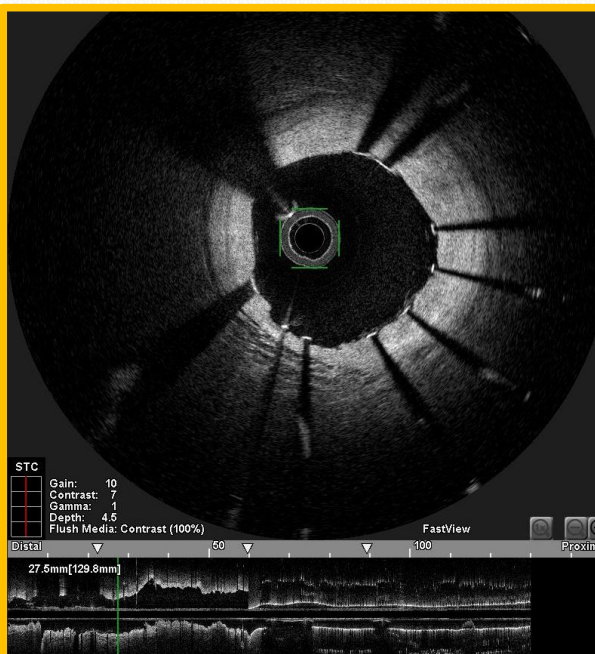
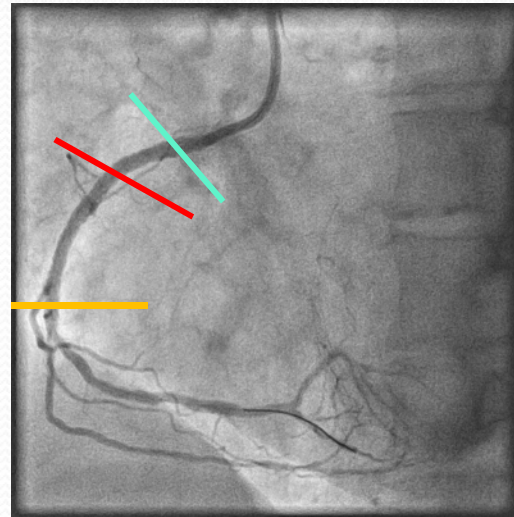
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- Final result (Fig 9 & 10)



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- OCT checking at 3 different levels of the artery.



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- Personal ratings.
 - This case illustrates the good performance of the long Biomatrix Alpha stents. The stent has improved its crossing profile, while maintaining its pushability, making easy to display it in long lesions.
 - The rapid balloon deflation and good folding enables a quick removal from the lesion.

Severe long lesion treated with Biomatrix Alpha.

- Personal rating (II)
 - In view of the excellent characteristics of the stent, longer measures could be developed in order to treat these kind of lesions with a single stent, saving time for the operator, and avoiding the problem of overlapping stents.