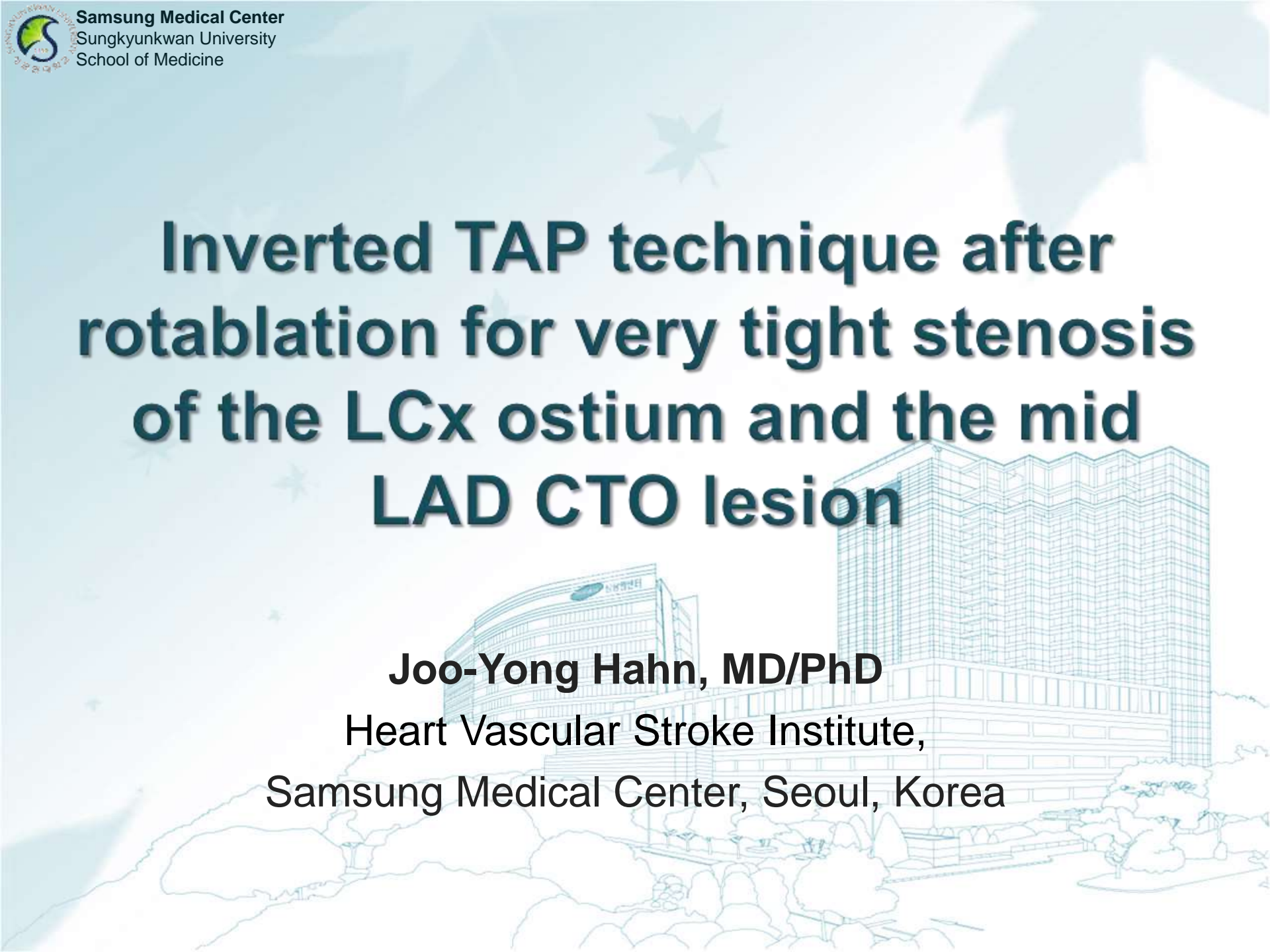


Inverted TAP technique after rotablation for very tight stenosis of the LCx ostium and the mid LAD CTO lesion

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- Abbott Vascular, Astra Zeneca, Biotronik, Biometrics, Boston Scientific, Daiichi Sankyo, MSD Korea, Pfizer, and Sanofi-Aventis



Brief History

- ▶ A 80 year-old female patient
- ▶ Dx: NSTEMI
- ▶ The patient refused to undergo CABG and was referred to our center.



Coronary angiography



Very tight stenosis at the LCx ostium



Mid LAD CTO lesion

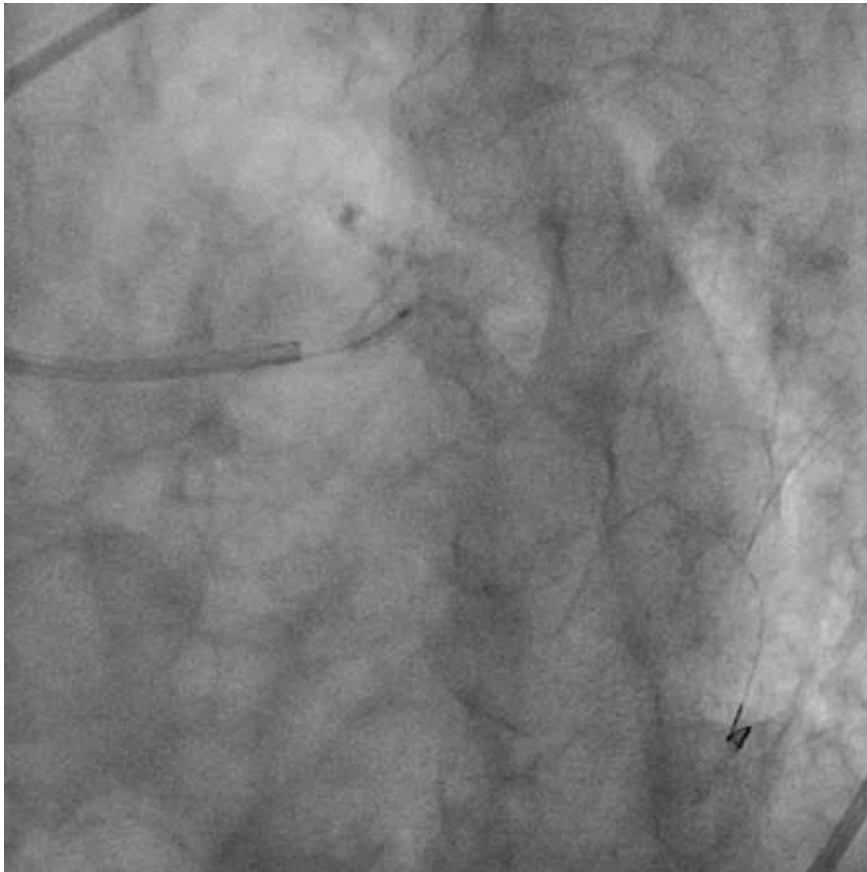


My strategy

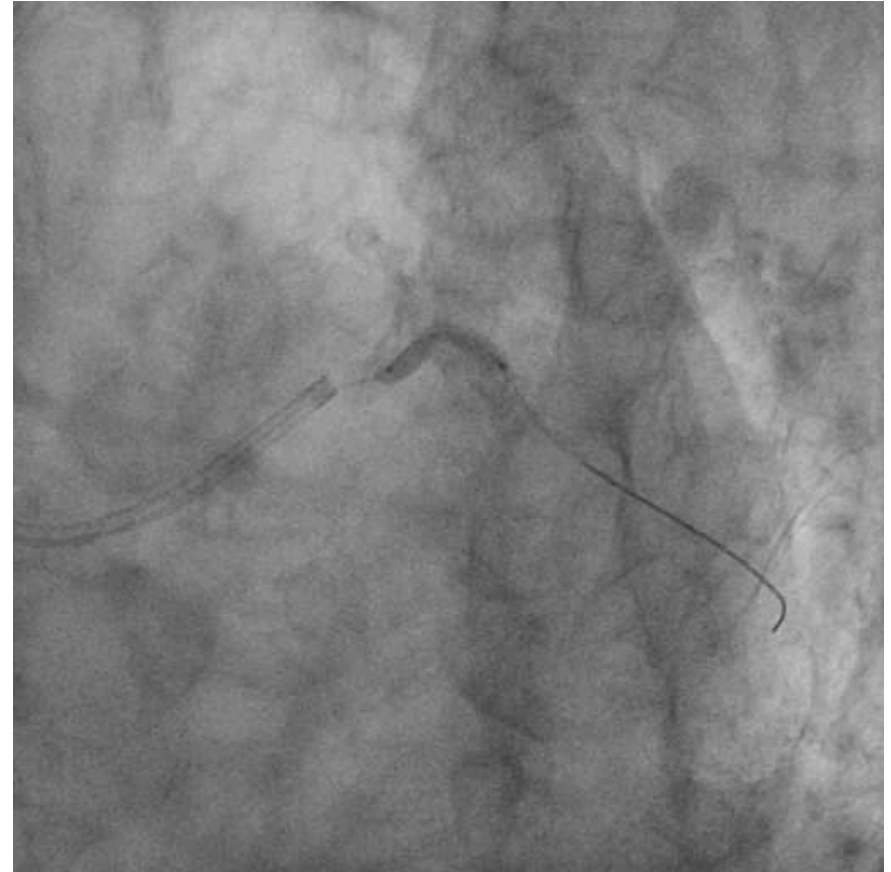
- ▶ To treat the LCx ostial lesion first, because it is a culprit lesion.
- ▶ To consider rotablation due to severe calcification. If rotablation is necessary, rotablation would be done at the LCx first.
- ▶ If possible, I would open the mid-LAD CTO lesion and do rotablation for the mid-LAD lesion before implantation of stent at the LM-LCx. Because, it would be difficult to perform rotablation at the LAD after the stent implantation at the LM-LCx.
- ▶ Two-stent technique for the LM distal bifurcation lesion after IVUS evaluation.



Predilation for the LCx ostial lesion



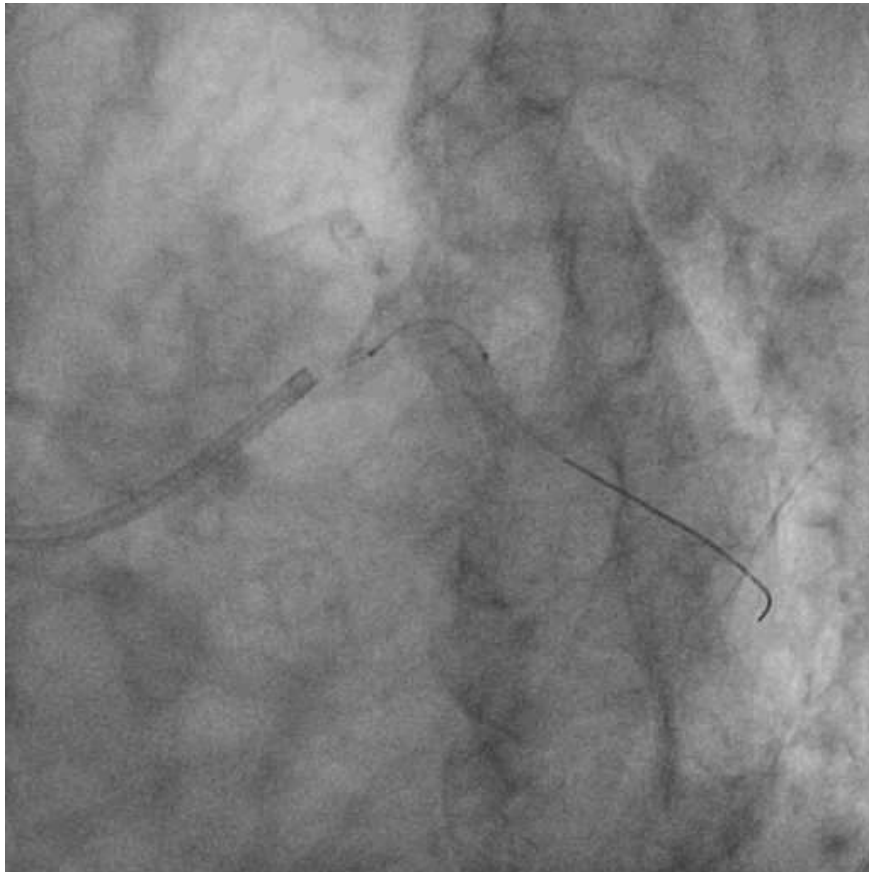
1.5*20 mm balloon



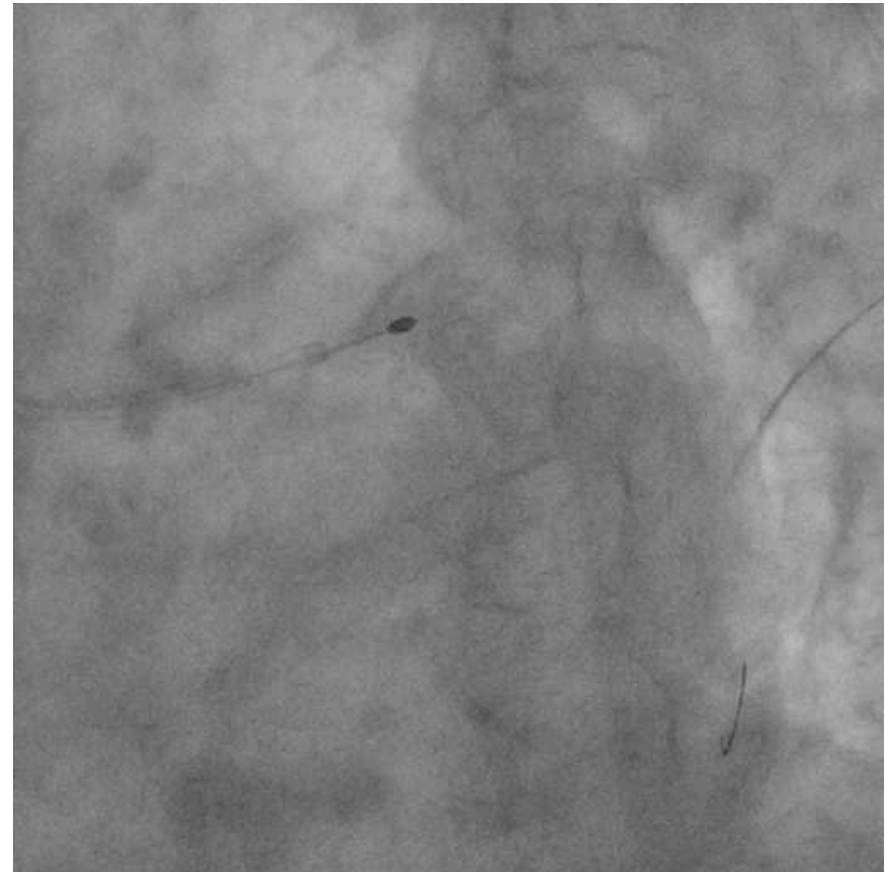
2.5*20 mm balloon



Rotablation due to inadequate predilation



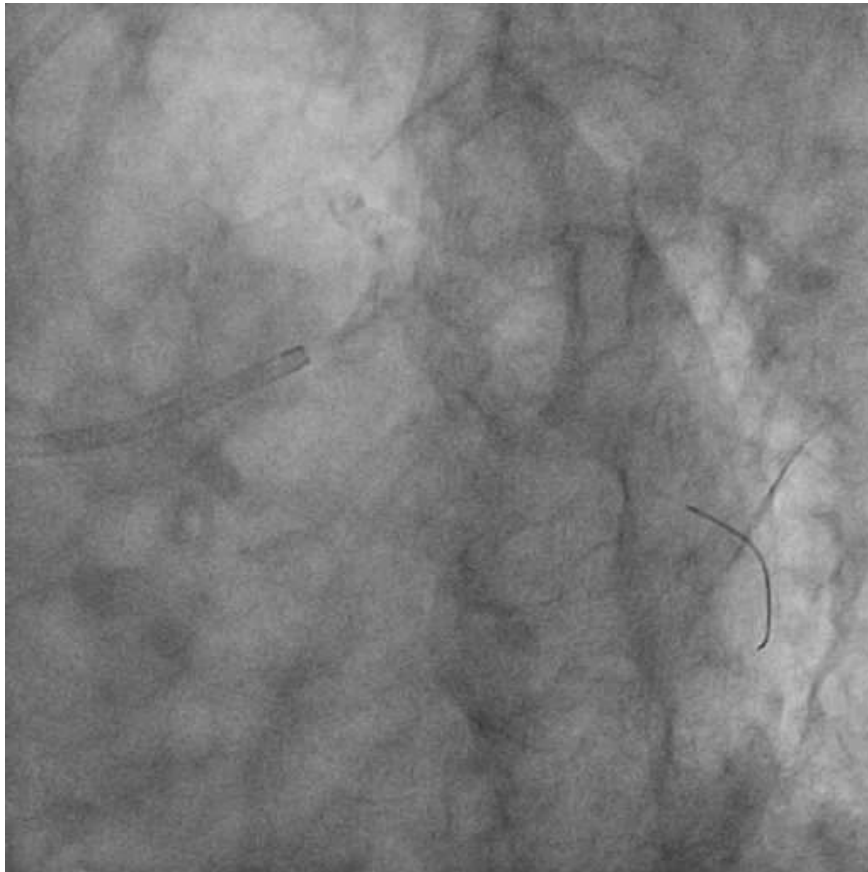
Residual stenosis



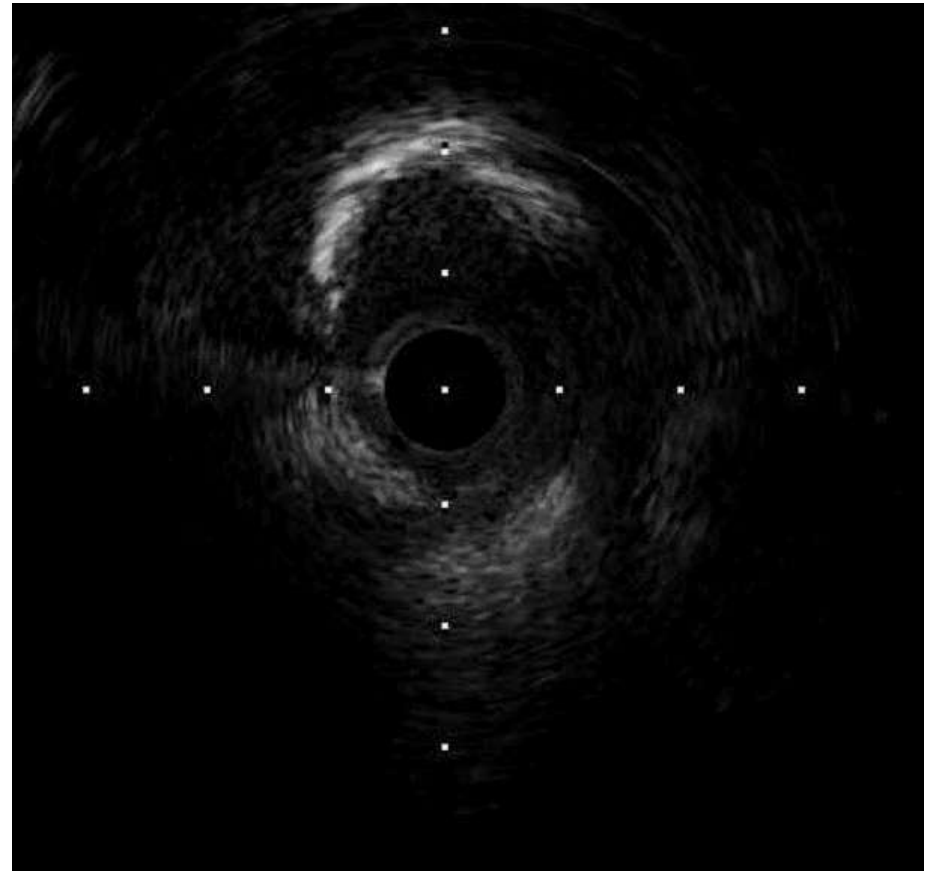
1.75 mm burr



Rotablation due to inadequate predilatation



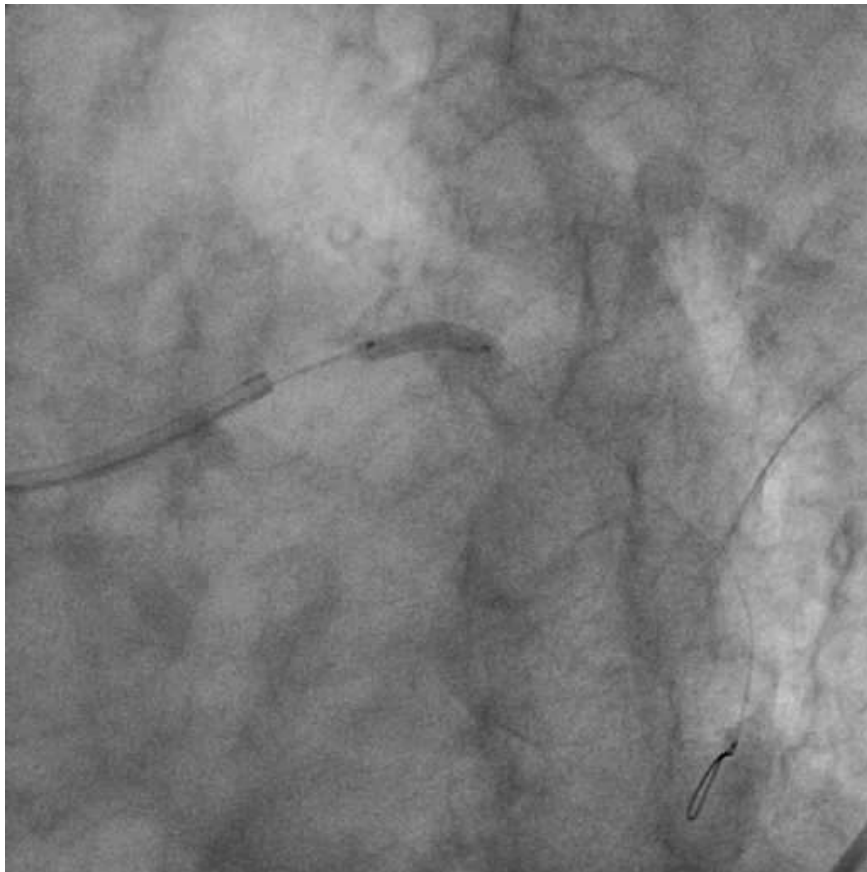
After rotablation



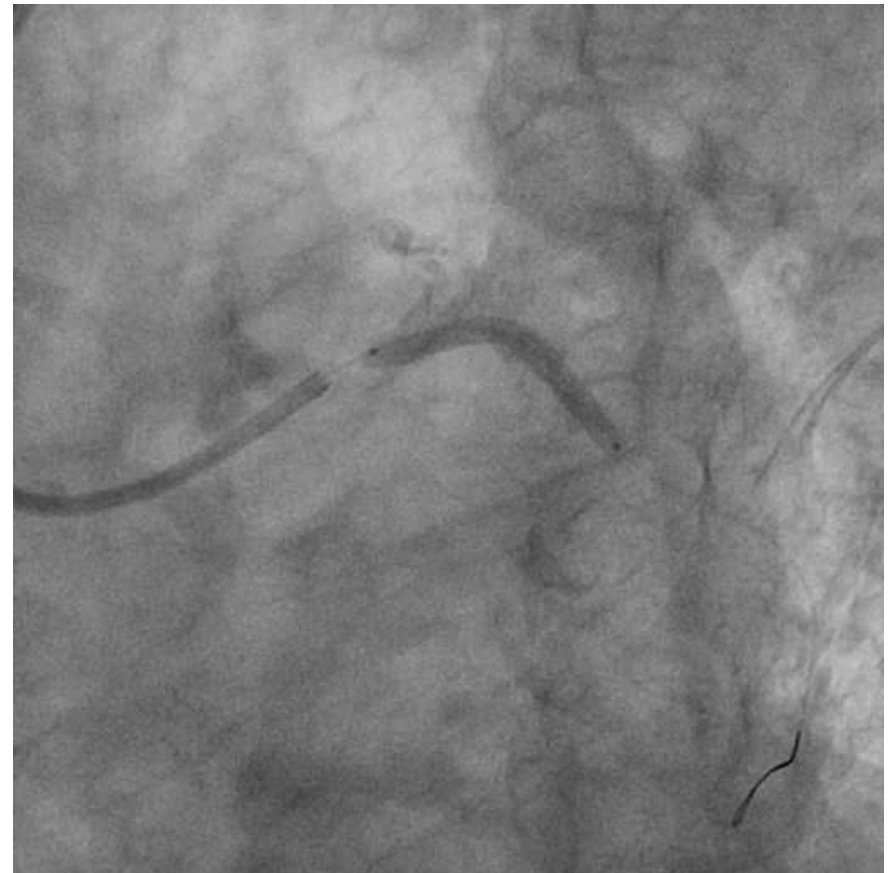
IVUS after rotablation



Stent implantation



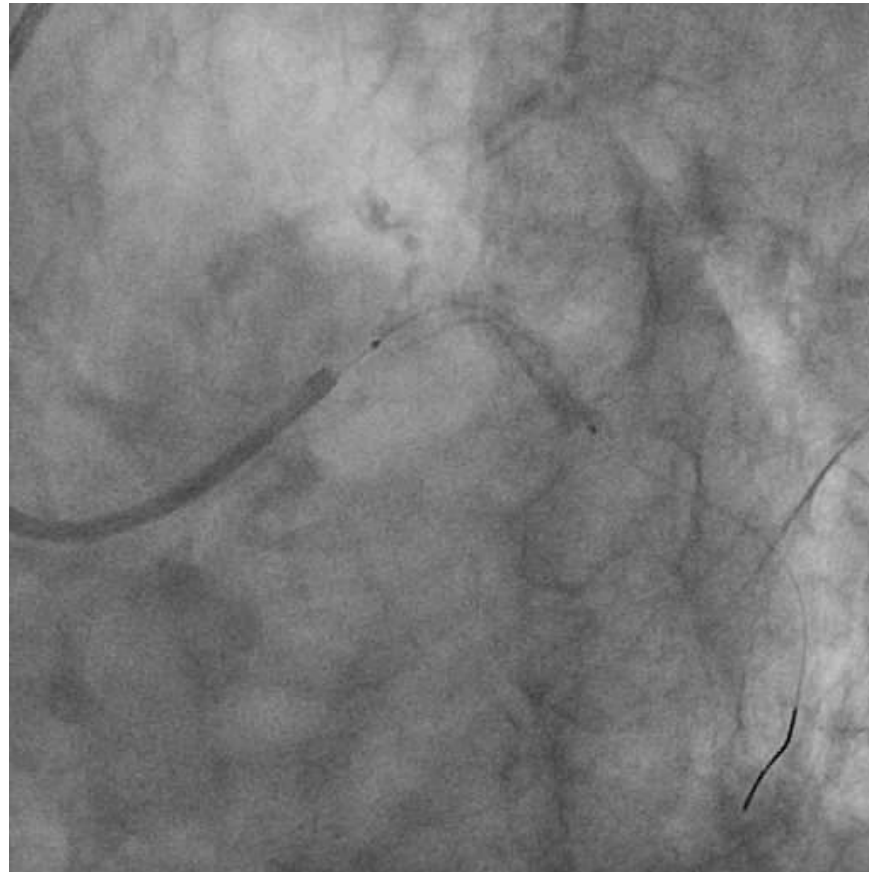
3.0*15 mm NC balloon



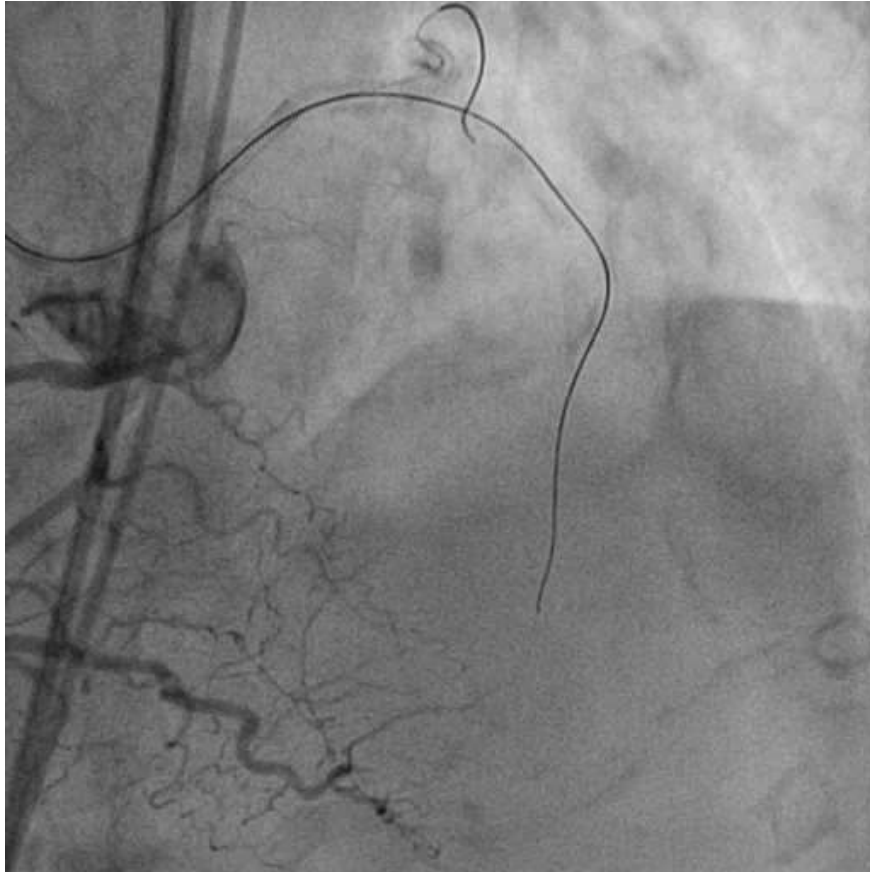
Synergy™ 3.0*32 mm



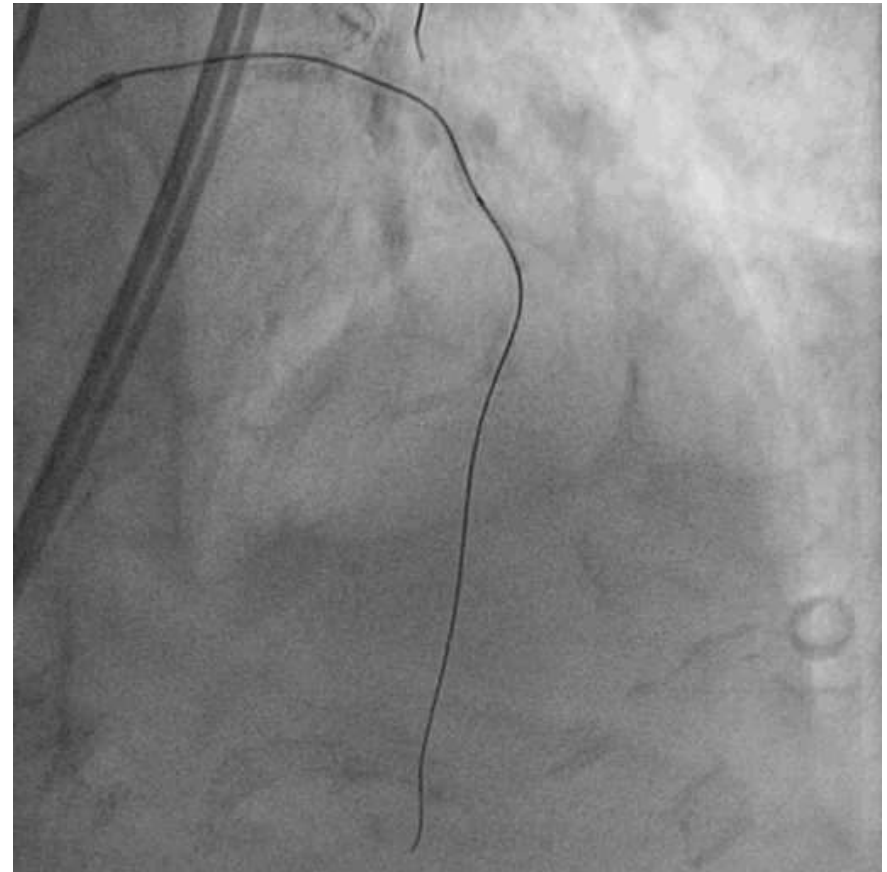
After stent implantation



Wire passage for LAD CTO lesion

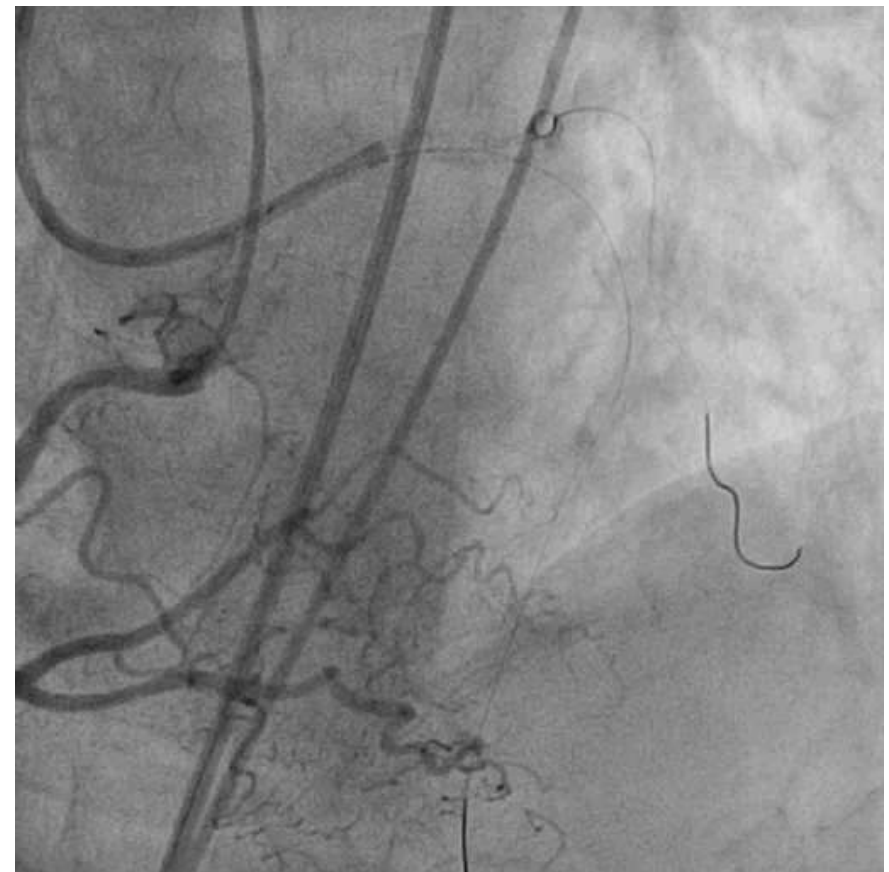
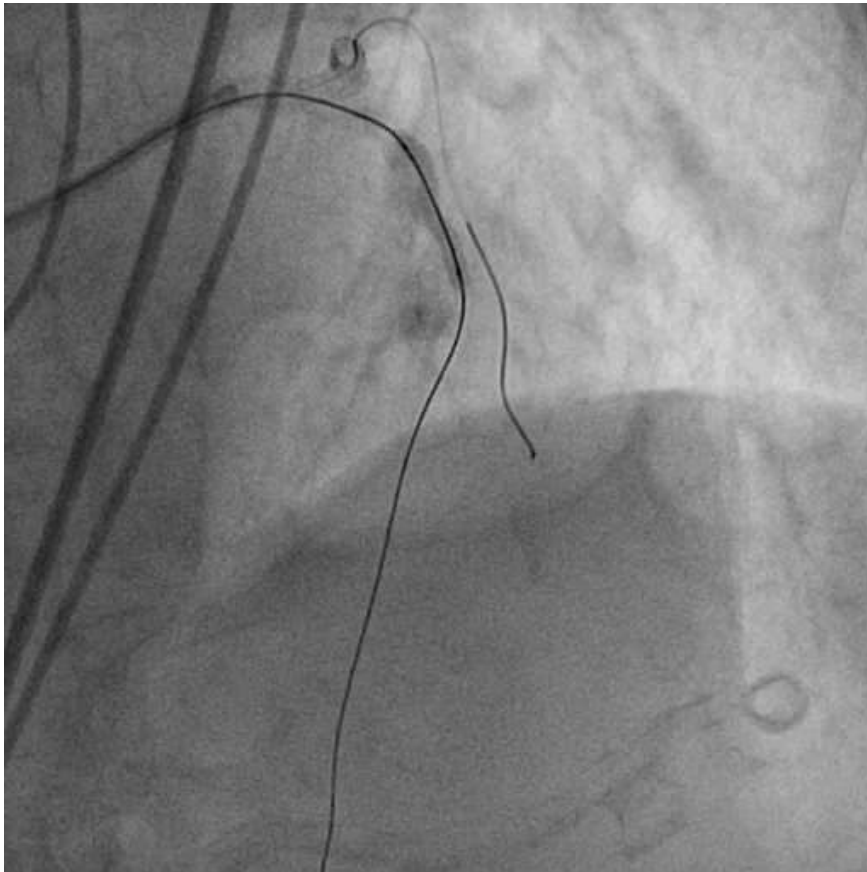


Gaia 2nd wire with Finecross microcatheter



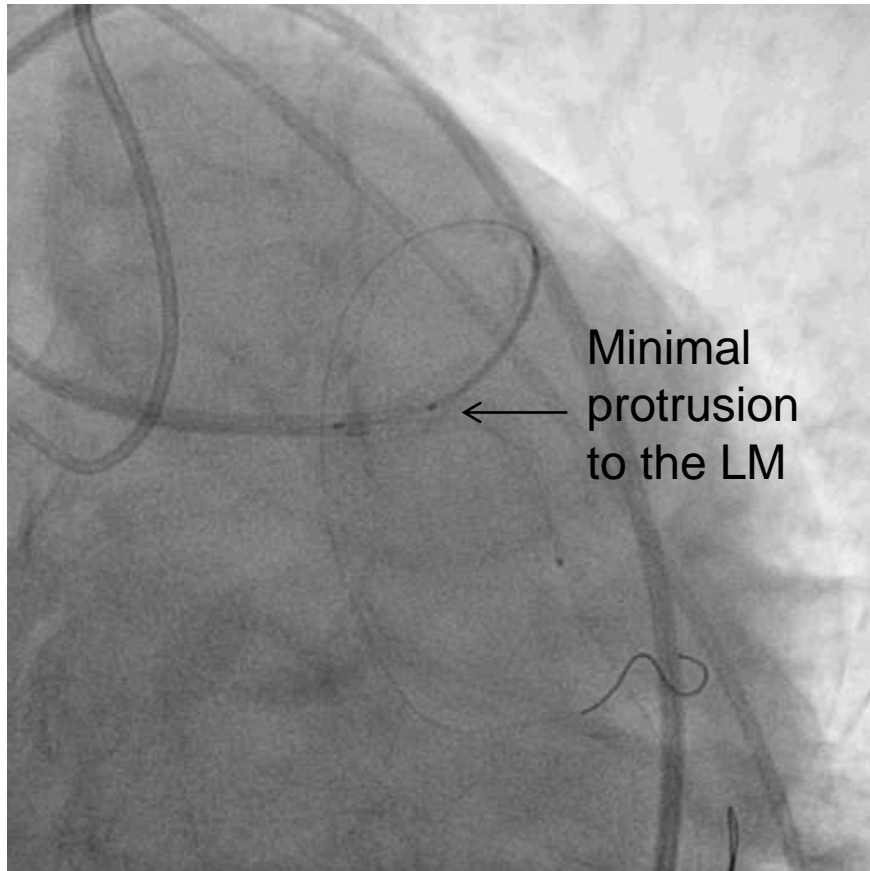
1.5*20 mm balloon

Ballooning for LAD CTO lesion



2.5*20 mm balloon

Stent implantation with T-stenting and small protrusion (TAP) technique



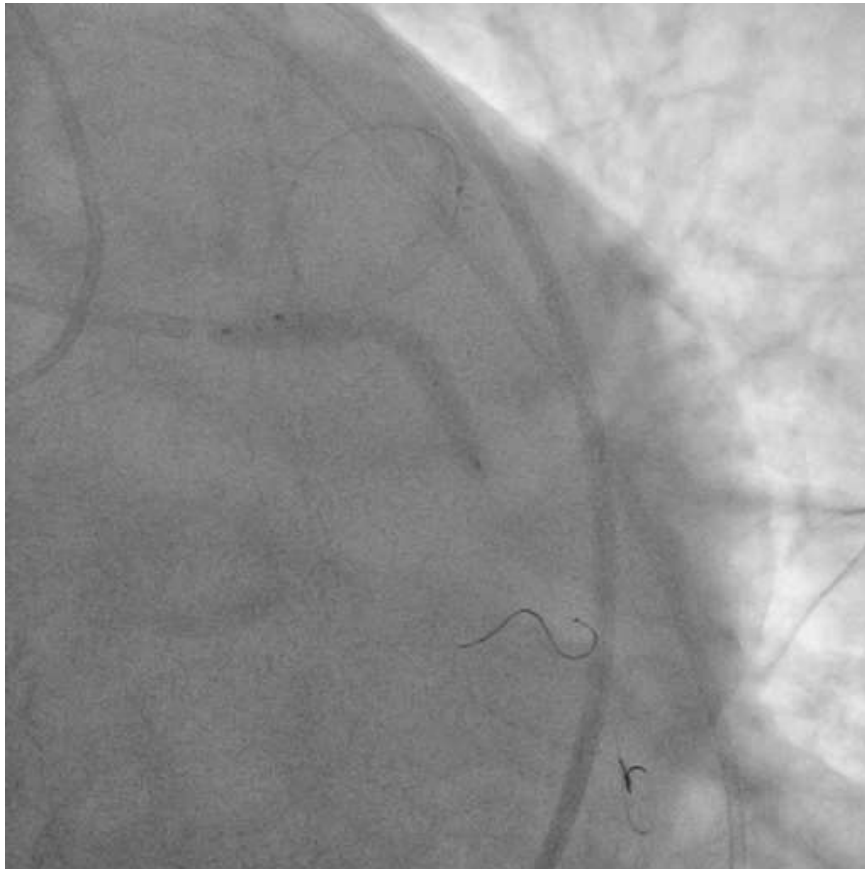
Synergy™ 3.0*32 mm (11 atm)



LM-LAD ballooning (16 atm)



Kissing ballooning

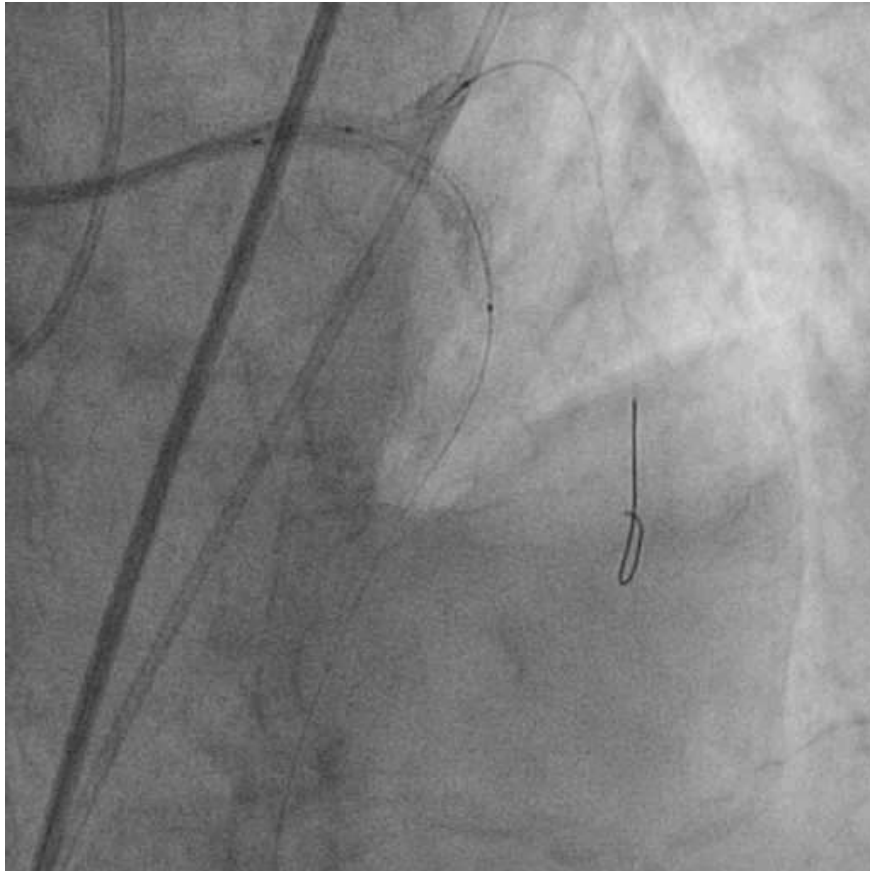


LM-LCx ballooning (16 atm)



Kissing ballooning (11 atm each)

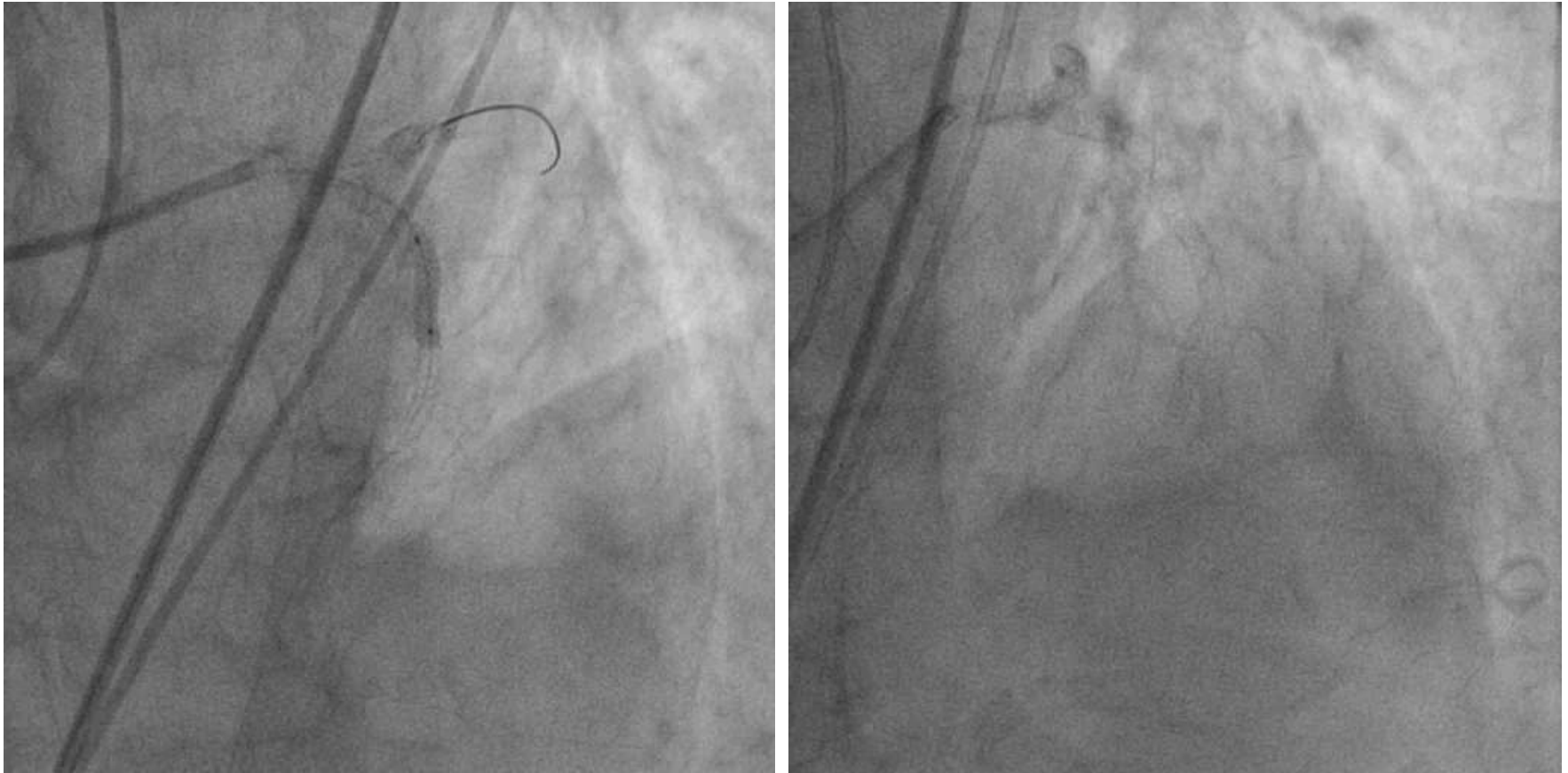
Stent implantation due to distal edge dissection



Xience Alpine™ 2.5*28 mm



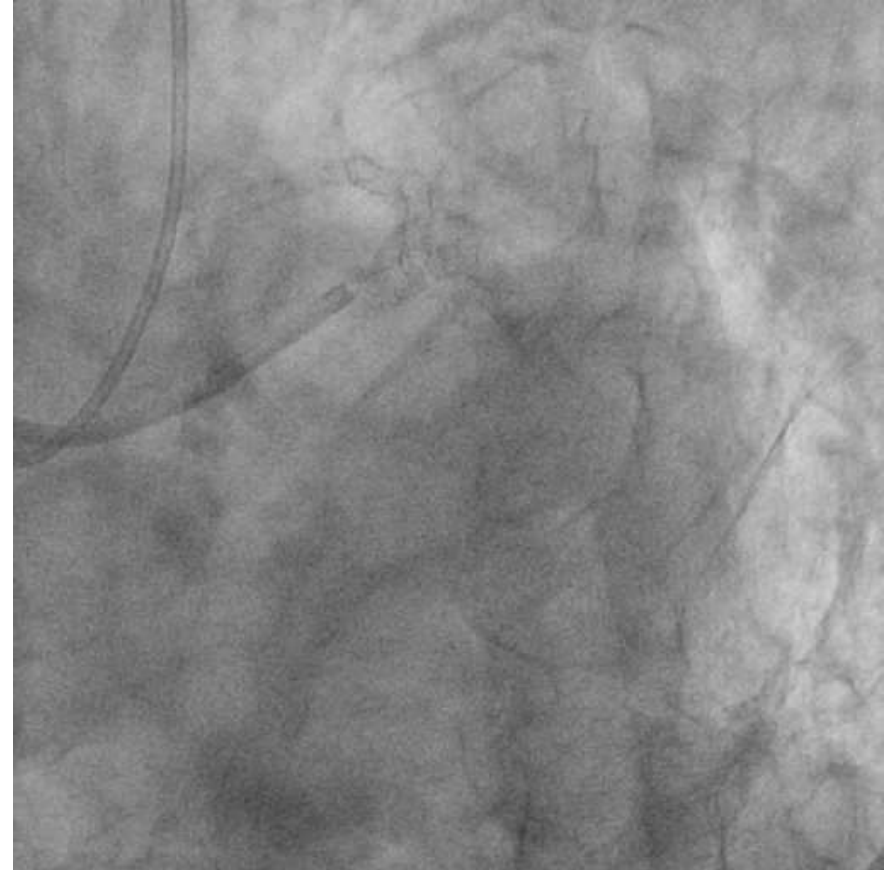
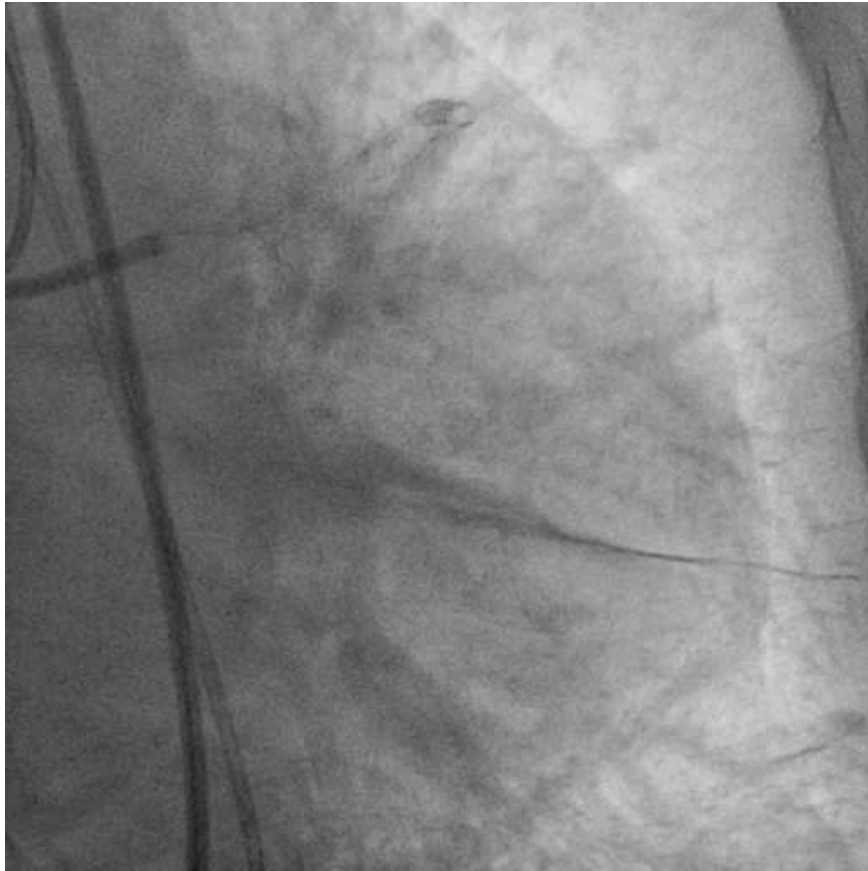
Postdilatation for mLAD stent



NC balloon 3.0*15 mm

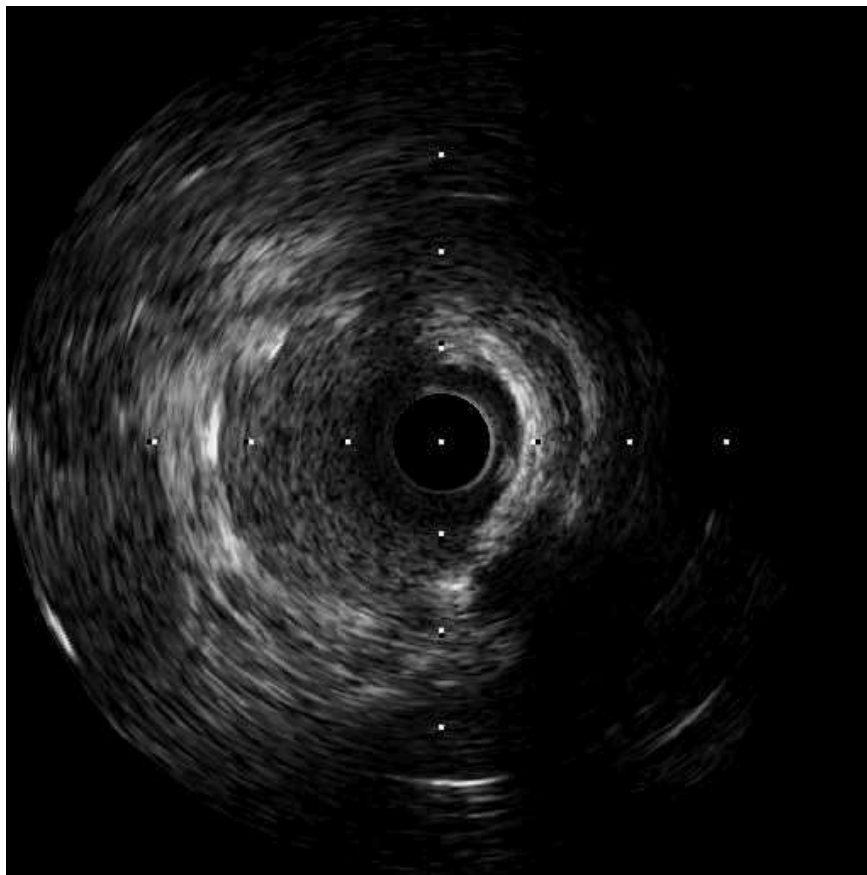


Final angiography

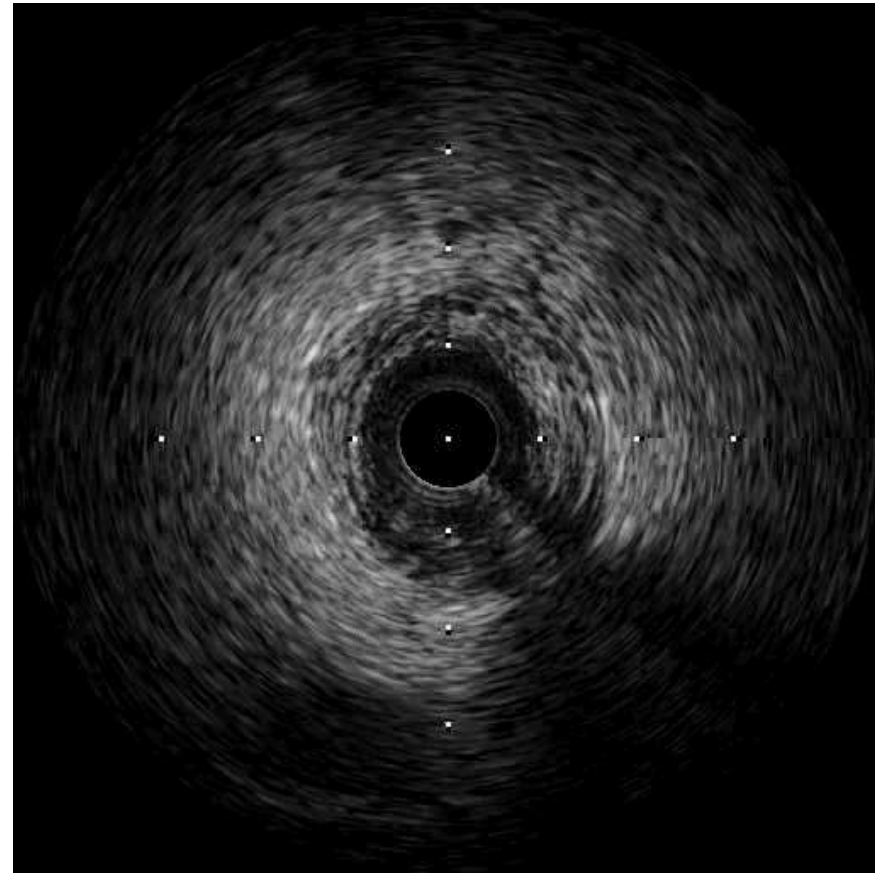




Postprocedural IVUS



LCx-LM



LAD-LM



Summary

- ▶ When predilation is inadequate, lesion modification using rotablation is necessary.
- ▶ The TAP technique is appropriate and convenient for provisional approach.
- ▶ IVUS is helpful to optimize PCI for complex lesions such as bifurcation, left main, or CTO lesions.

감사합니다.
Thank you for your attention.

