

Stumbles PCI CTO LAD (Retrograde Approach)

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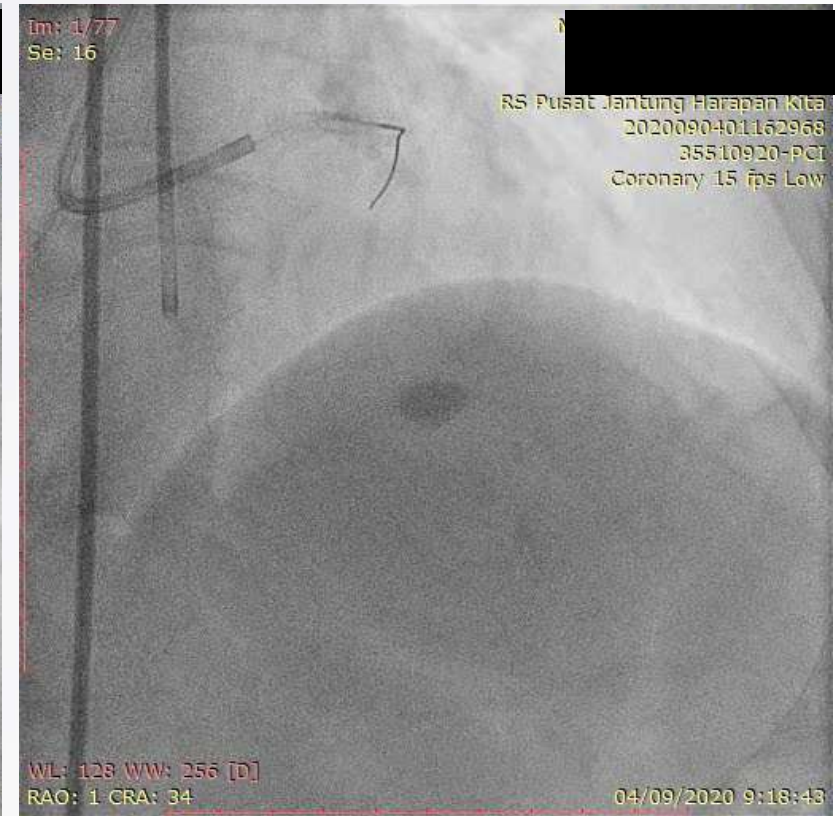
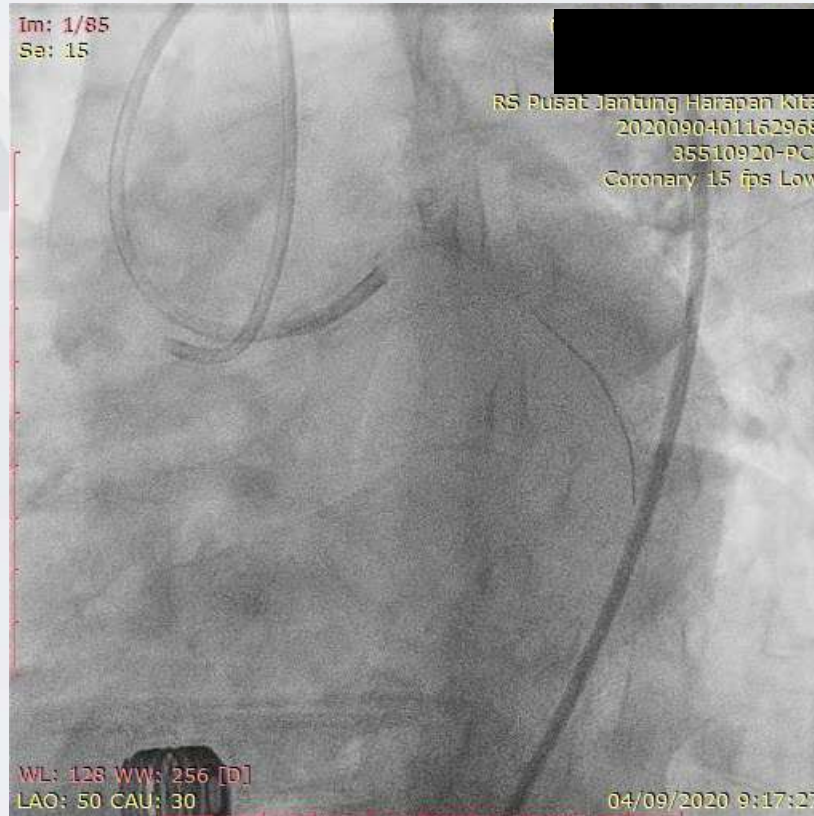
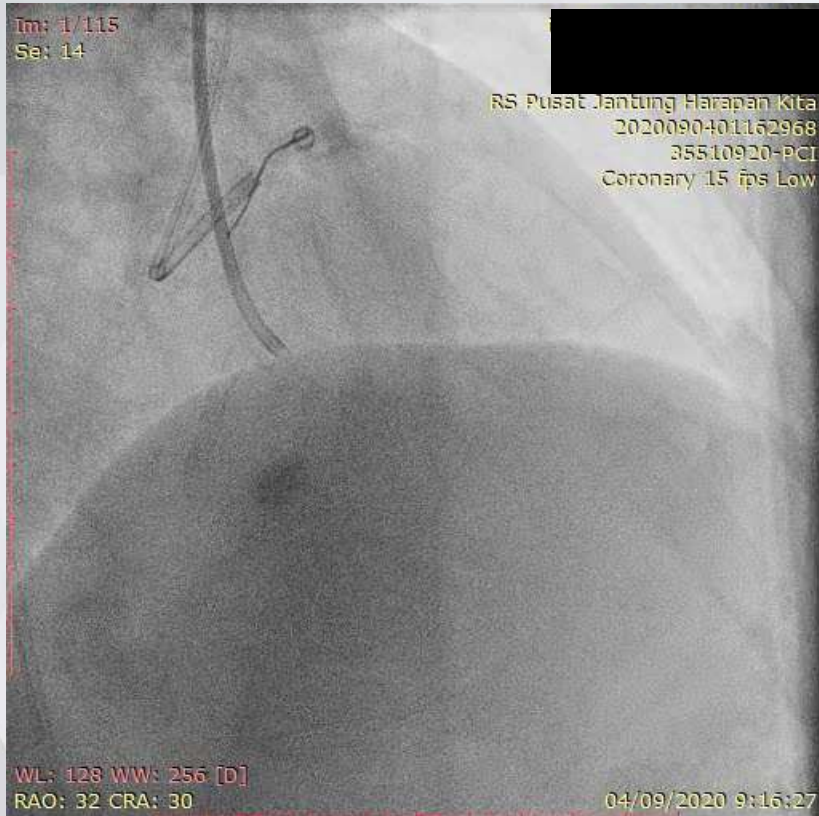
Disclosure

- I don't have any conflicts of interest

Case Illustration

- 66-year-old woman with CCS class II angina
- Risk factors : hypertension, family history
- ECG : Sinus Rhythm
- Patient had history of prior PCI with 3 DES in LAD (April 2017), LCx (December 2017), and RCA (March 2017)

Diagnostic Coronary Angiography



CAD 3 VD with grade IV ISR at the LAD

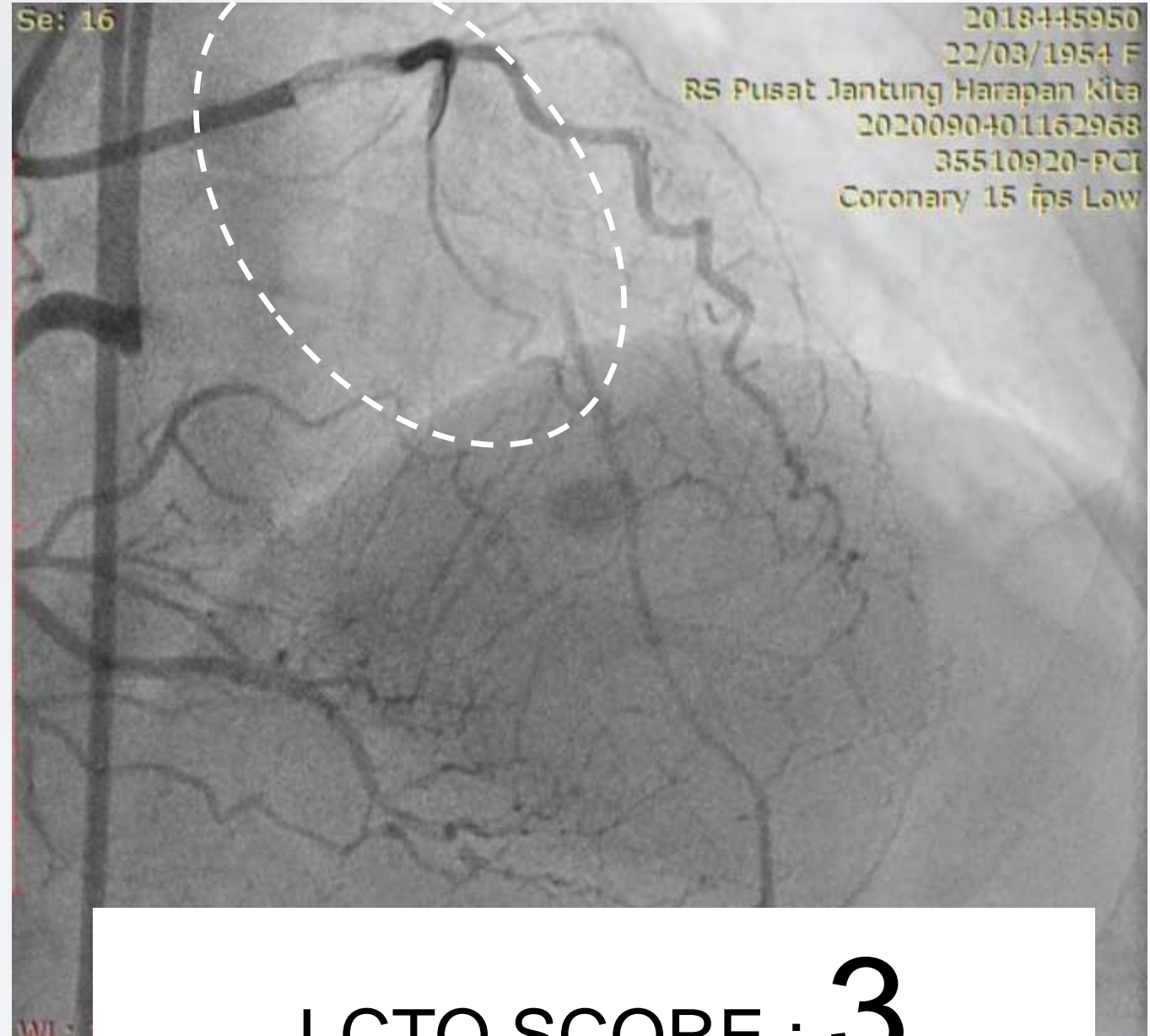
PCI Strategy

- Dual angiography
- Vascular access :
 - Right radial artery to RCA : 6F sheath with GC JR 3.5 mm / 6F
 - Right femoral artery to LCA : 8F sheath with GC BL 3.5 mm / 7F
- Antegrade wire escalation
- Microcatheter
- Retrograde wire escalation

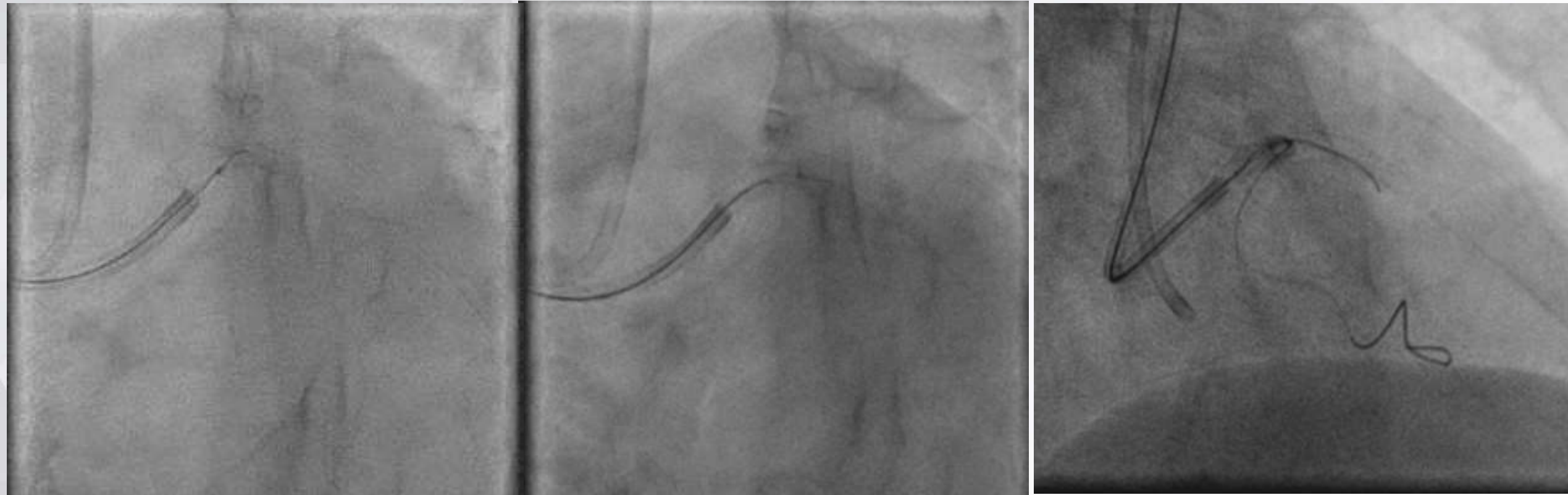
Target Vessel : Proximal LCx

JCTO Score ASSESSMENT

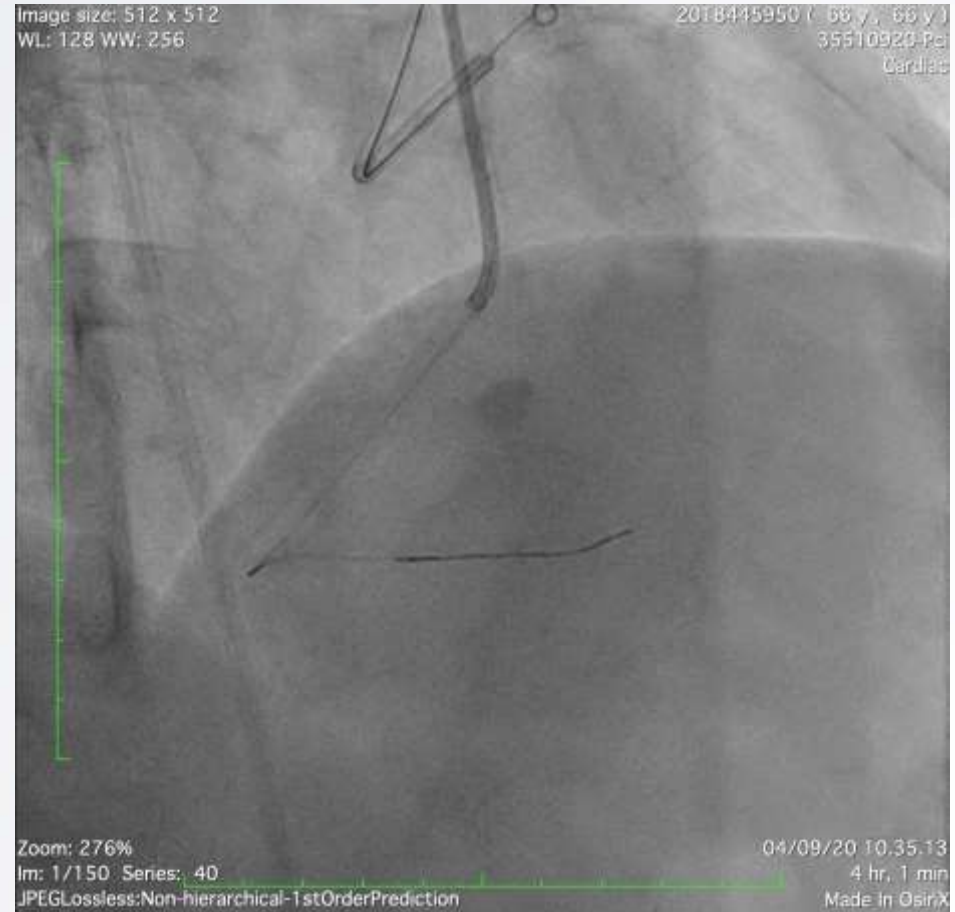
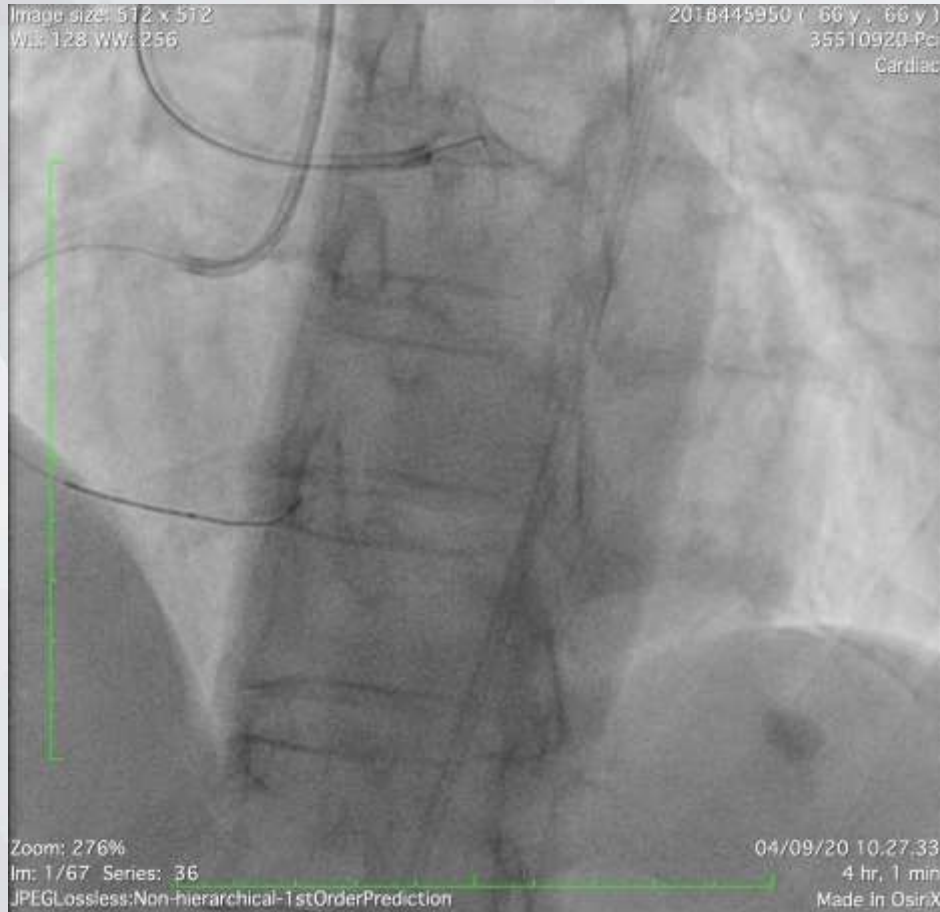
Proximal Cap	Blunt
Length	> 20 mm
Calcification	Absence
Bending > 45°	No
Re-Try Lesion	Yes



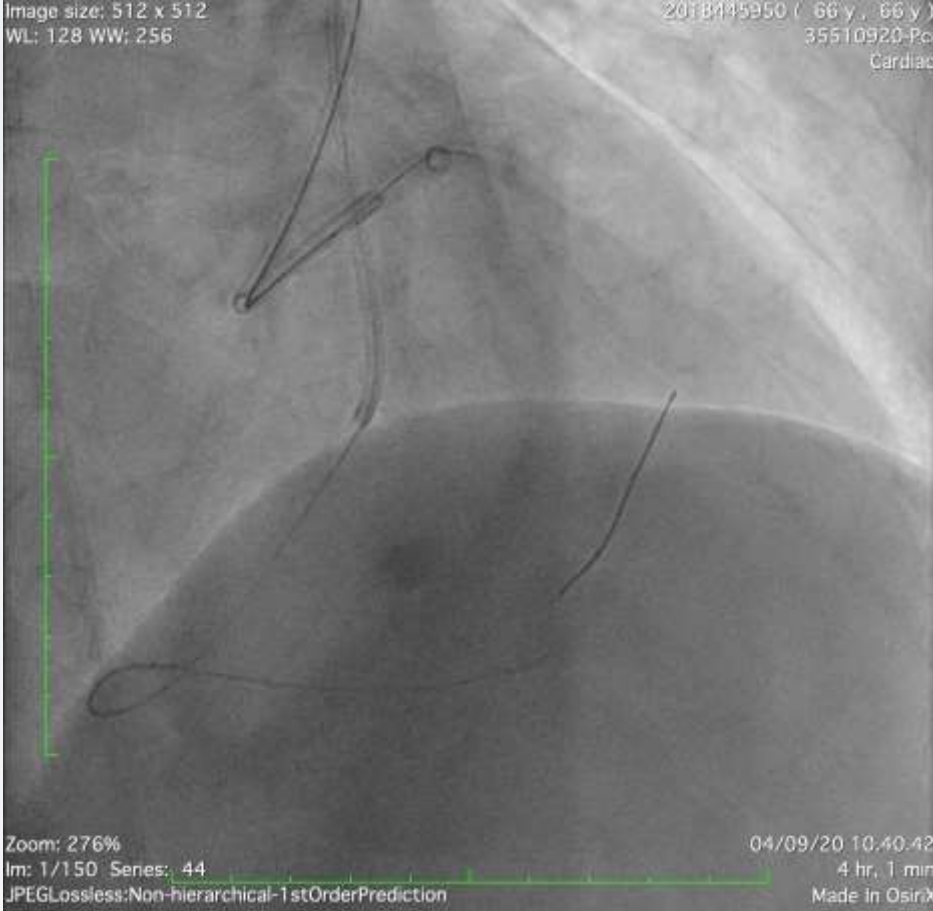
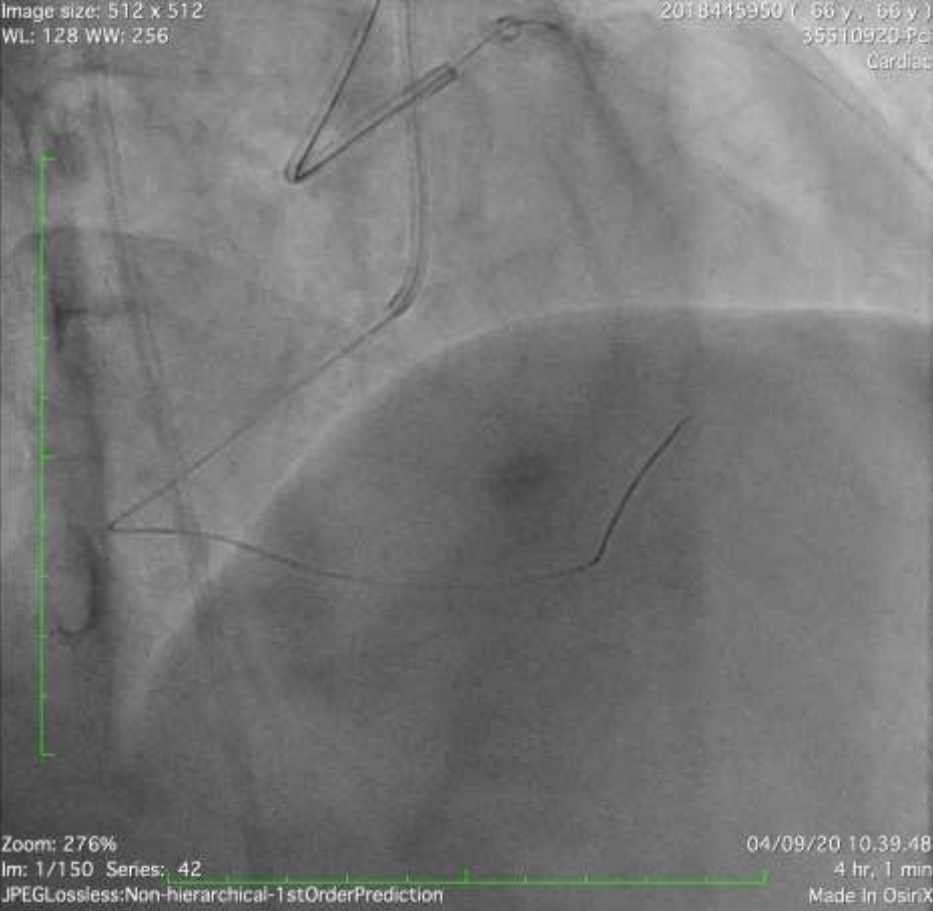
Antegrade Wire Escalation Fielder XTA – GAIA 3rd – Conquest Pro 8 – 20 with Microcatheter Crusade to LAD



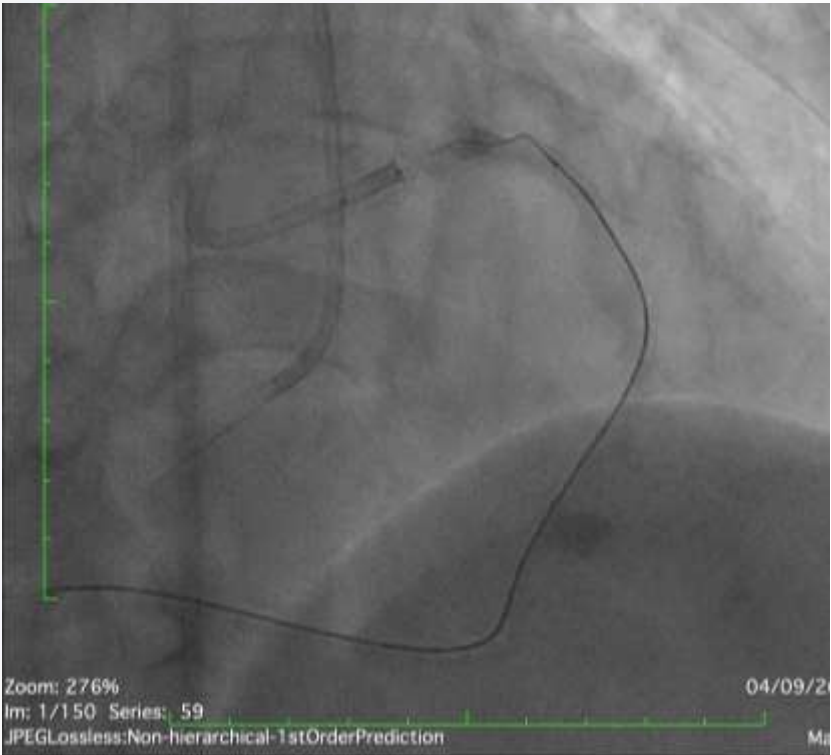
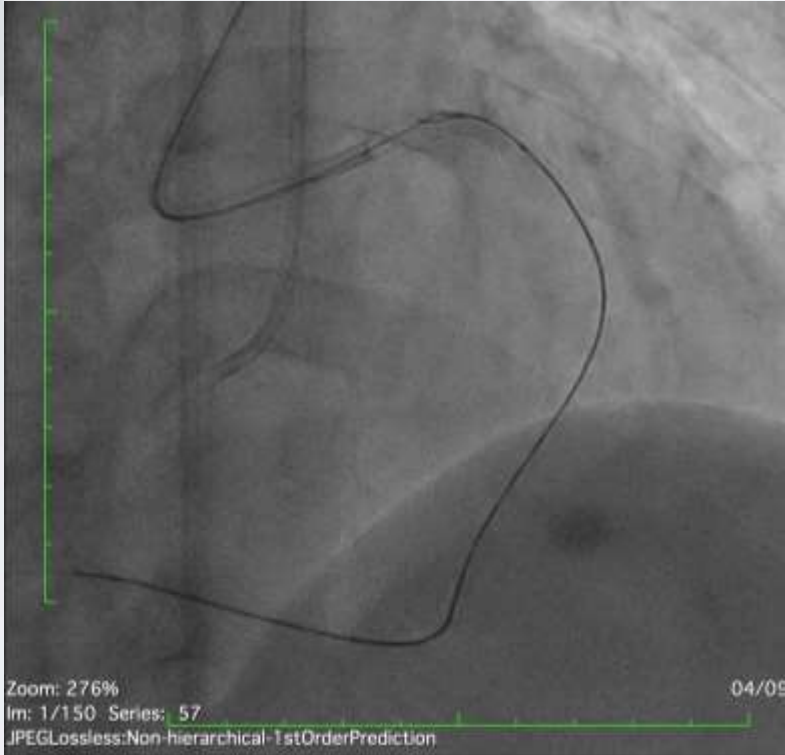
Retrograde Approach – Wire SION with Microcatheter Finecross to distal RCA



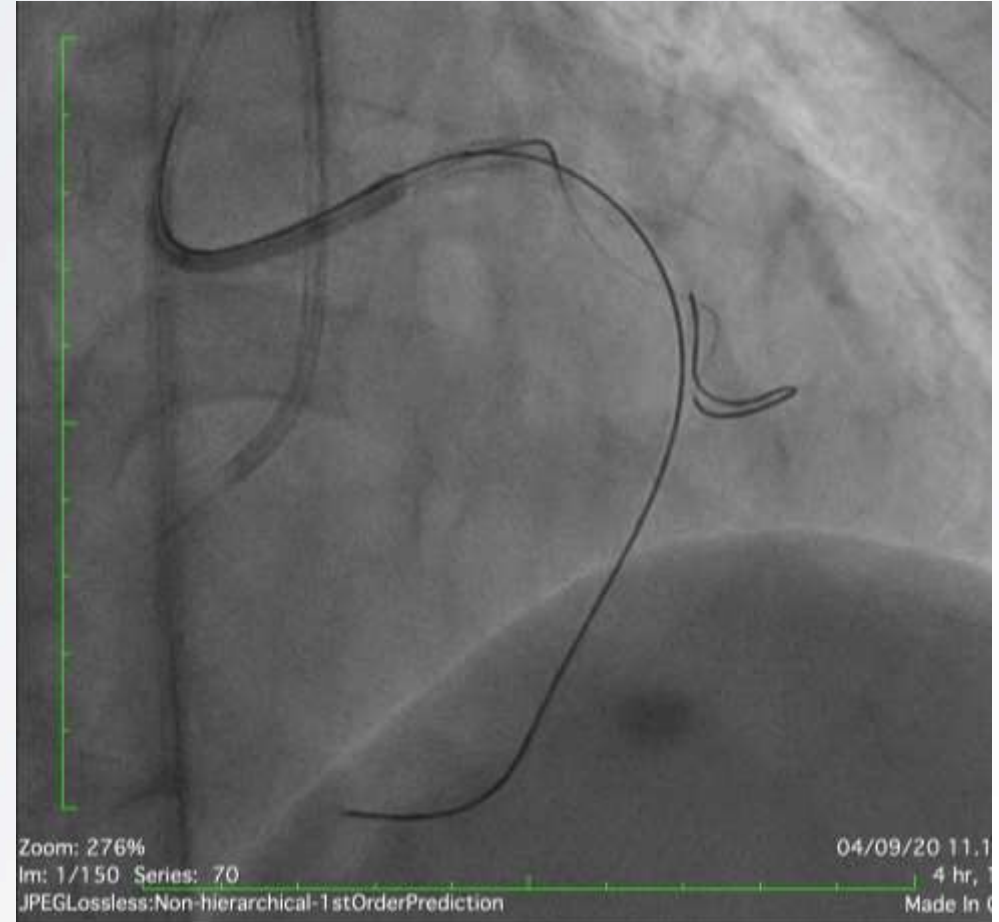
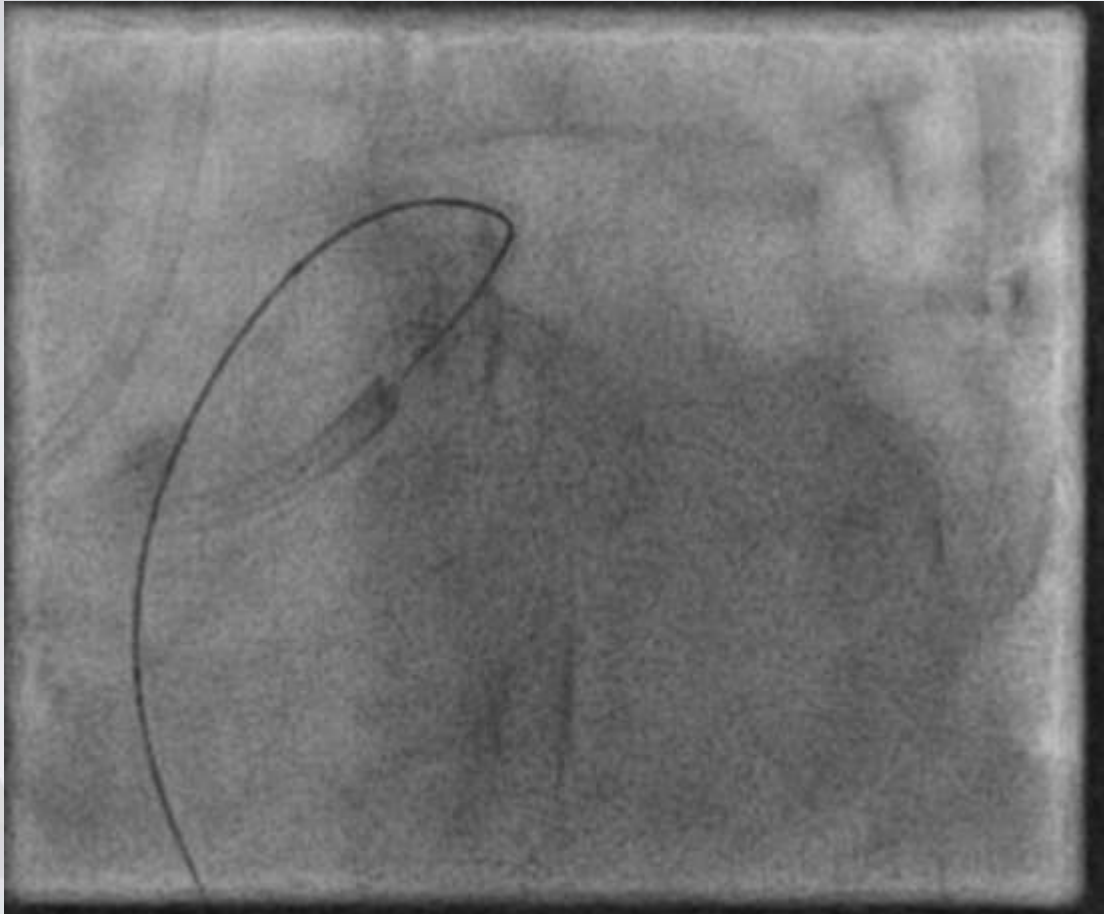
Retrograde Approach – Wire SION with Microcatheter Finecross from distal RCA – septal brach – proximal LAD



Wire Escalation from SION BLUE - GAIA 3rd to osteal LAD

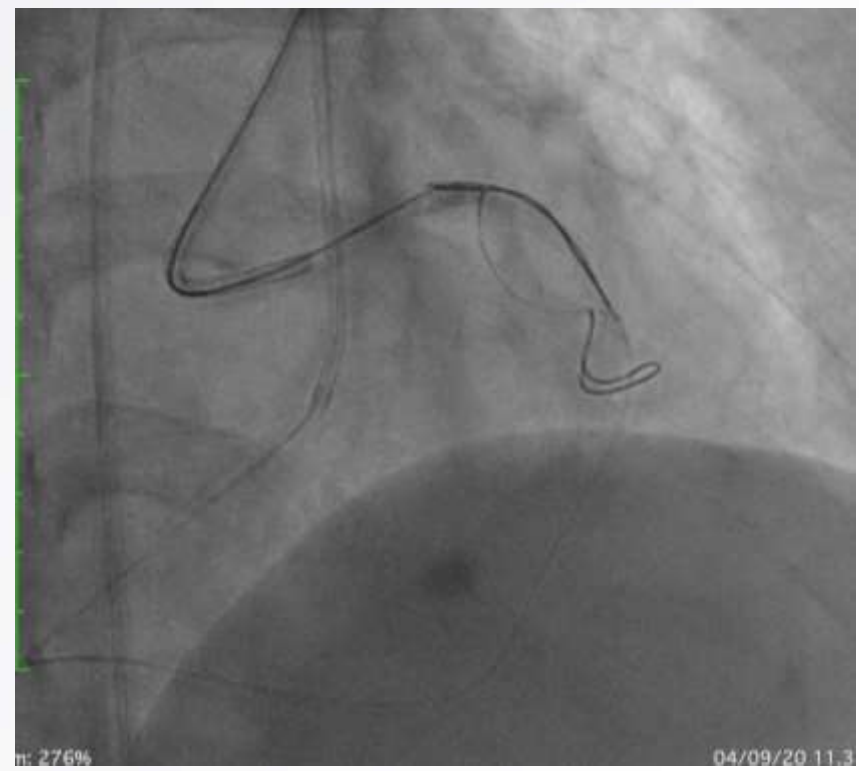
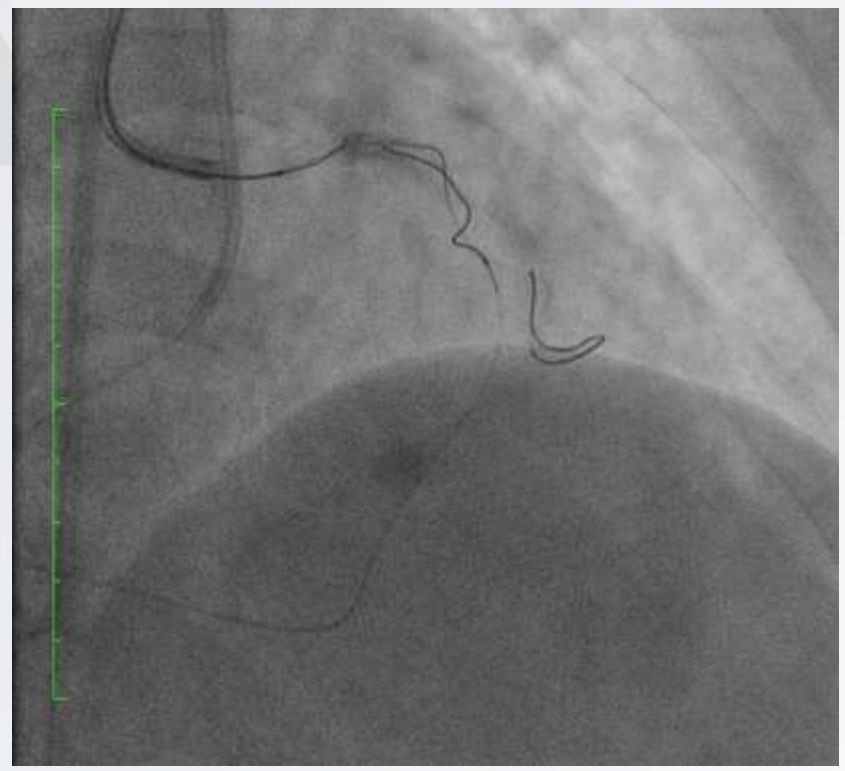
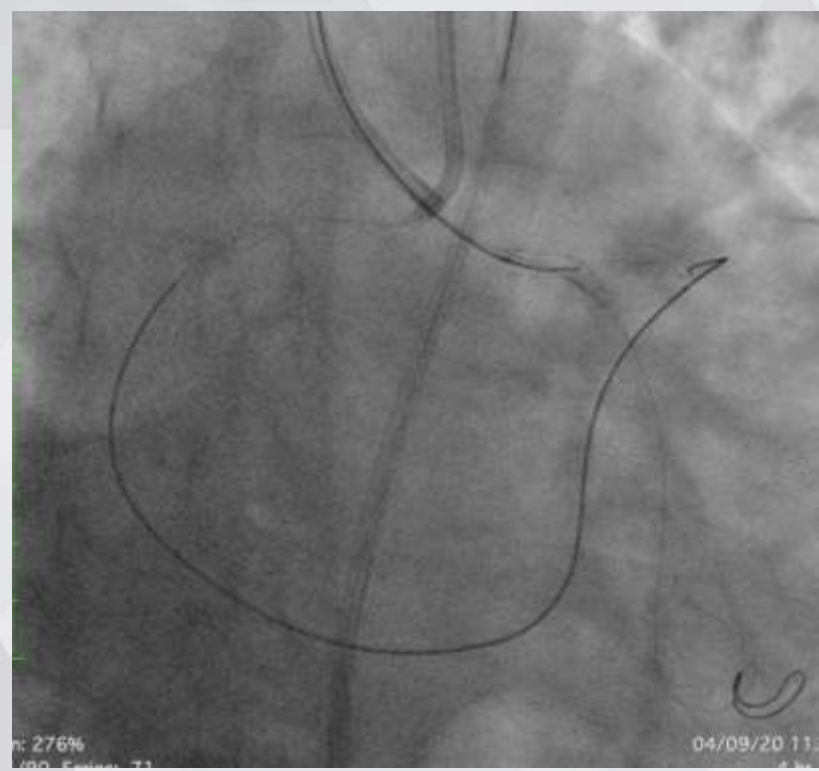


Wire Escalation from GAIA 3rd – Conquest Pro 8-20 to osteal LAD and GC BL 3.5/7F

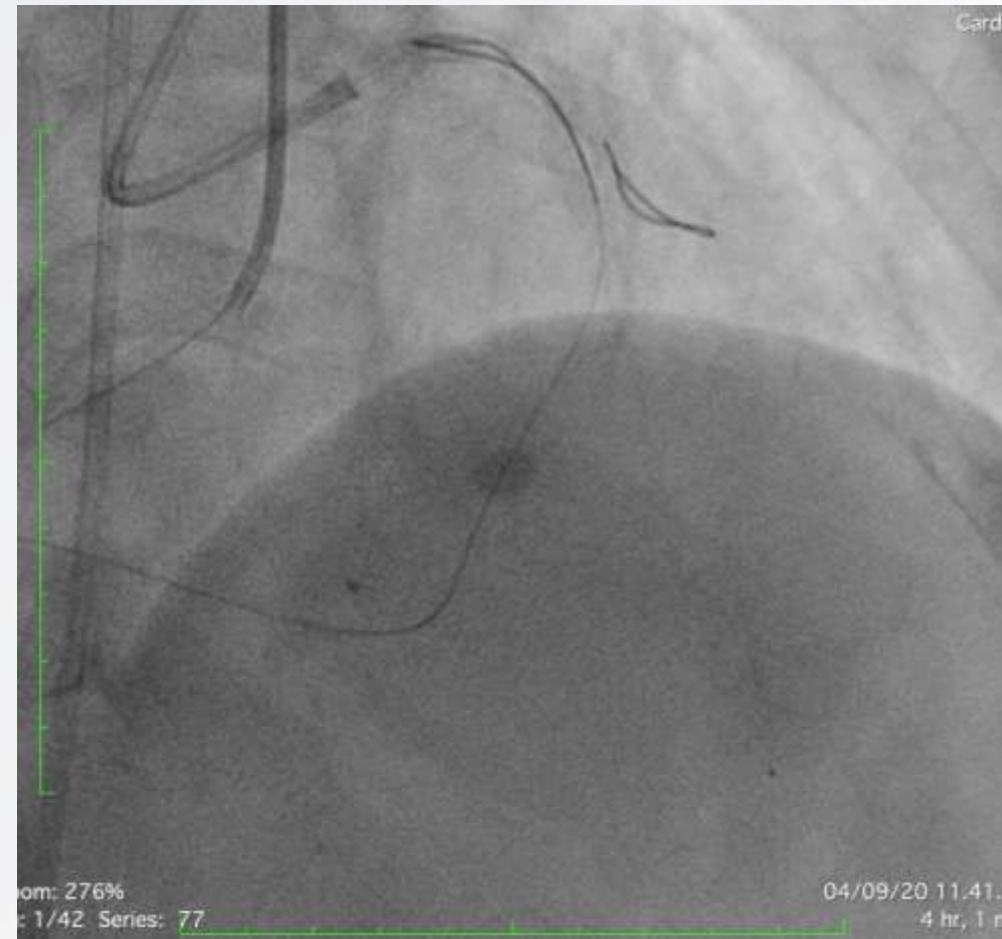
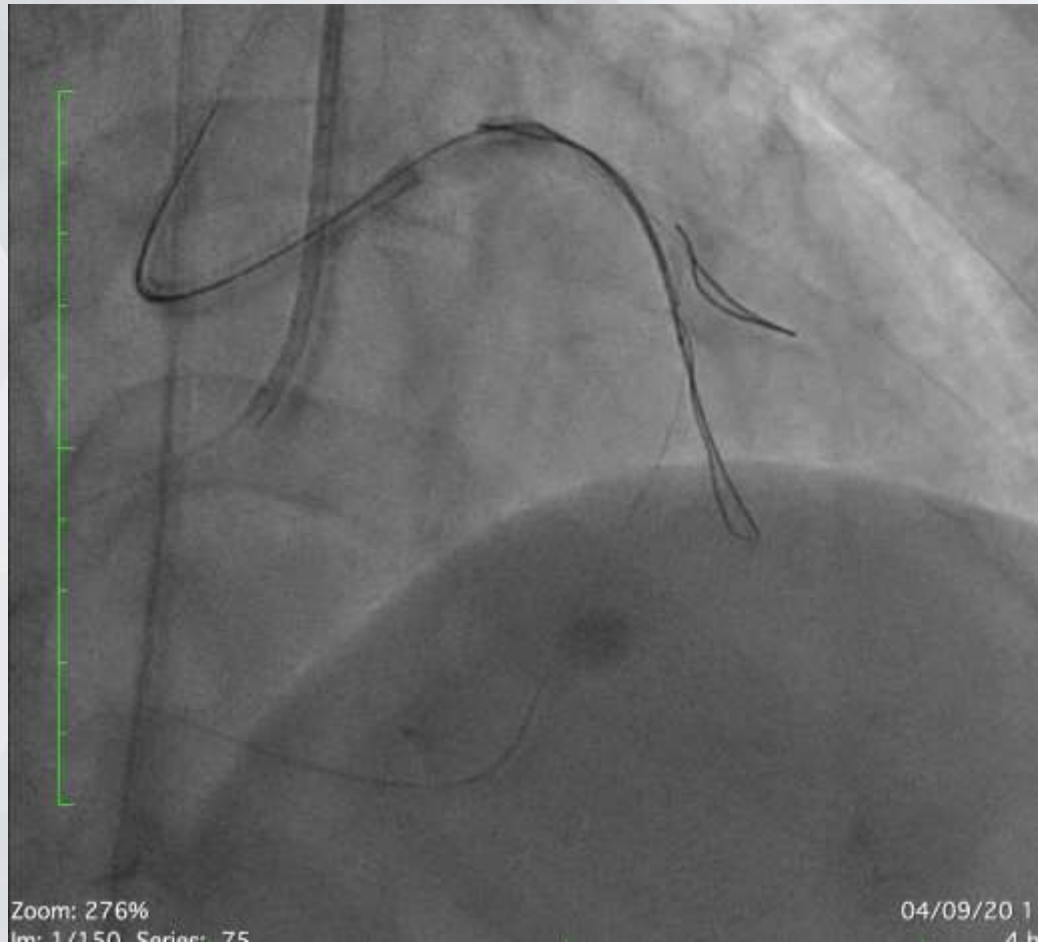


Balloon Trapping Technique

Antegrade Approach – Wire Fielder XTA with Microcatheter Finecross to distal LAD

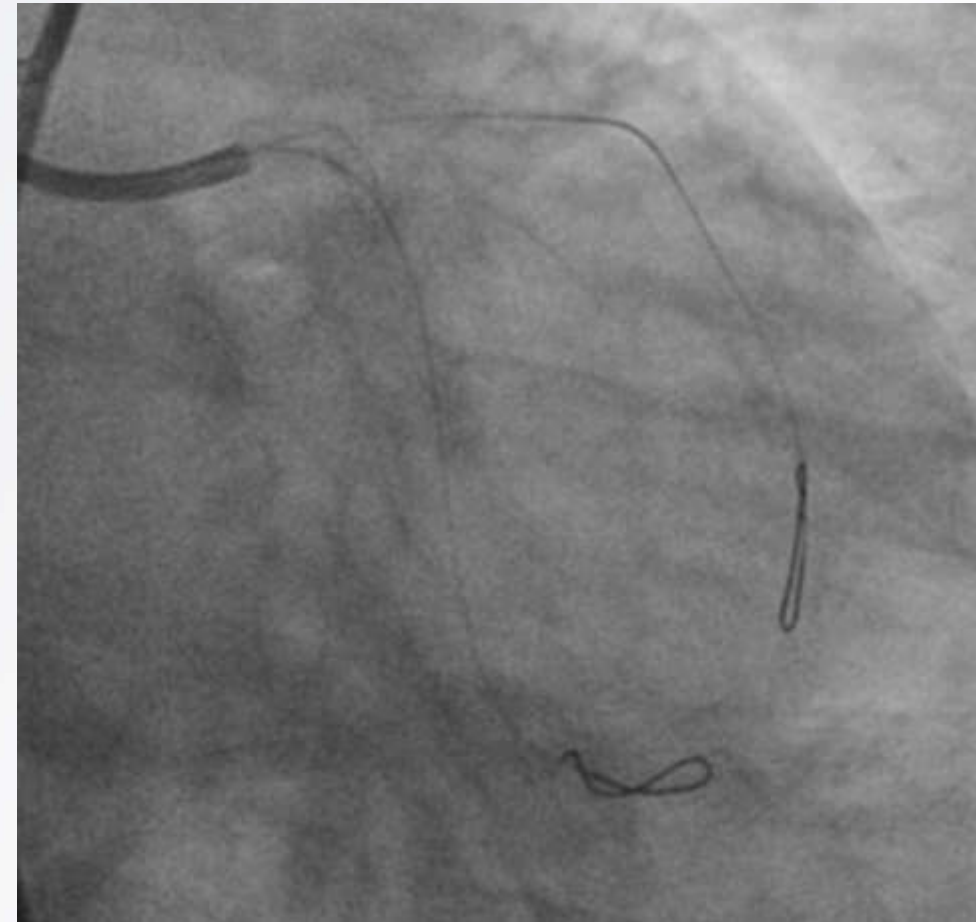
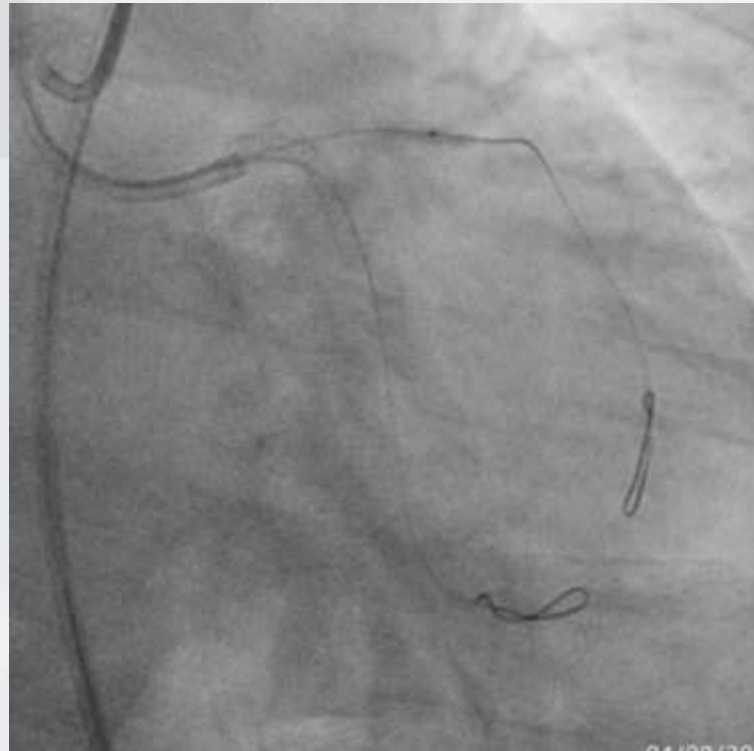
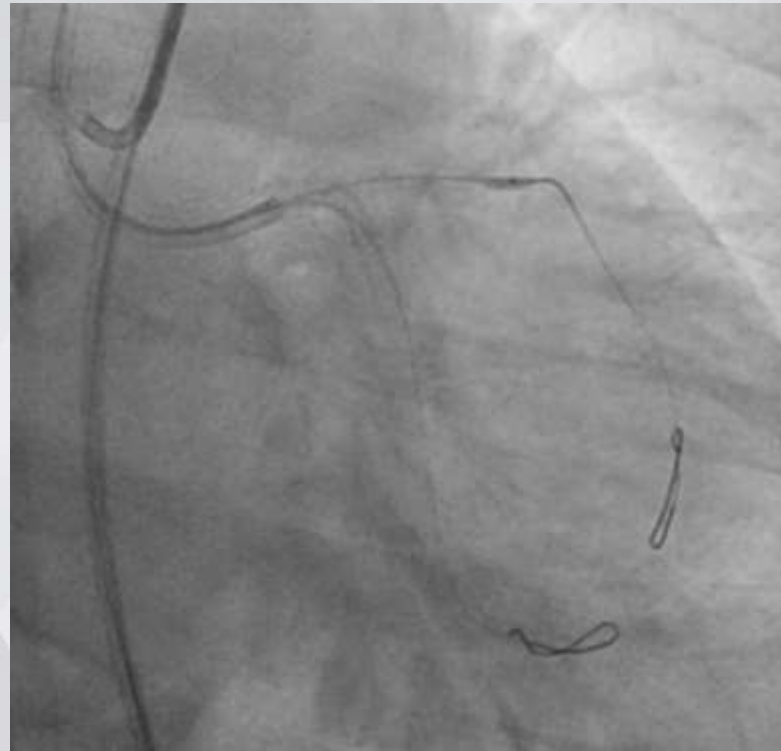


Antegrade Approach – Wire Fielder XTA with Microcatheter Finecross to distal LAD



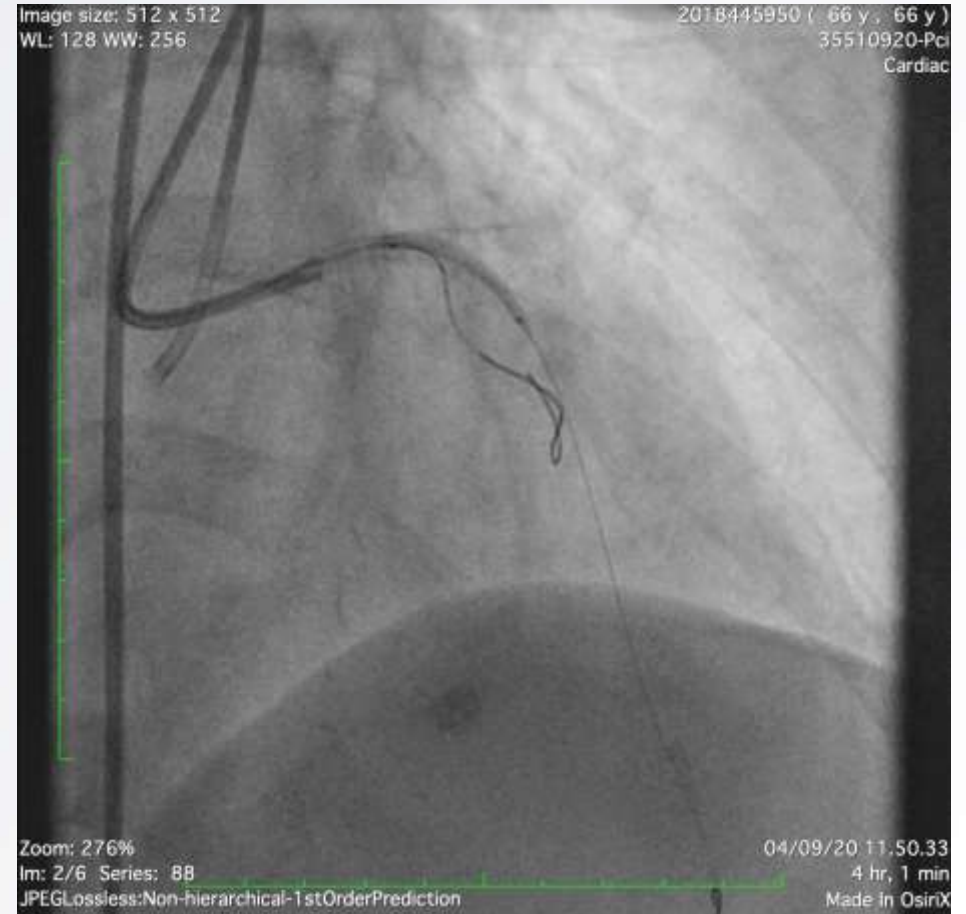
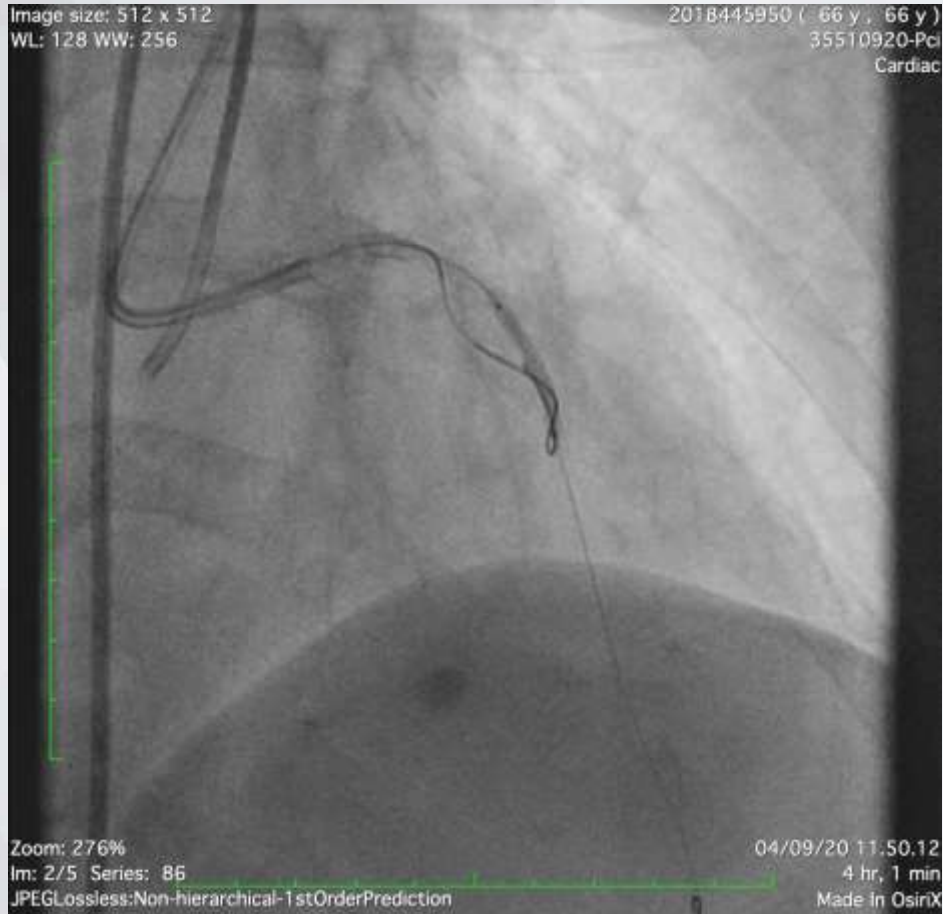
Contrast Injection Showed True Lumen of LAD

Lesion Preparation : Pre-Dilatation mid to ostial LAD



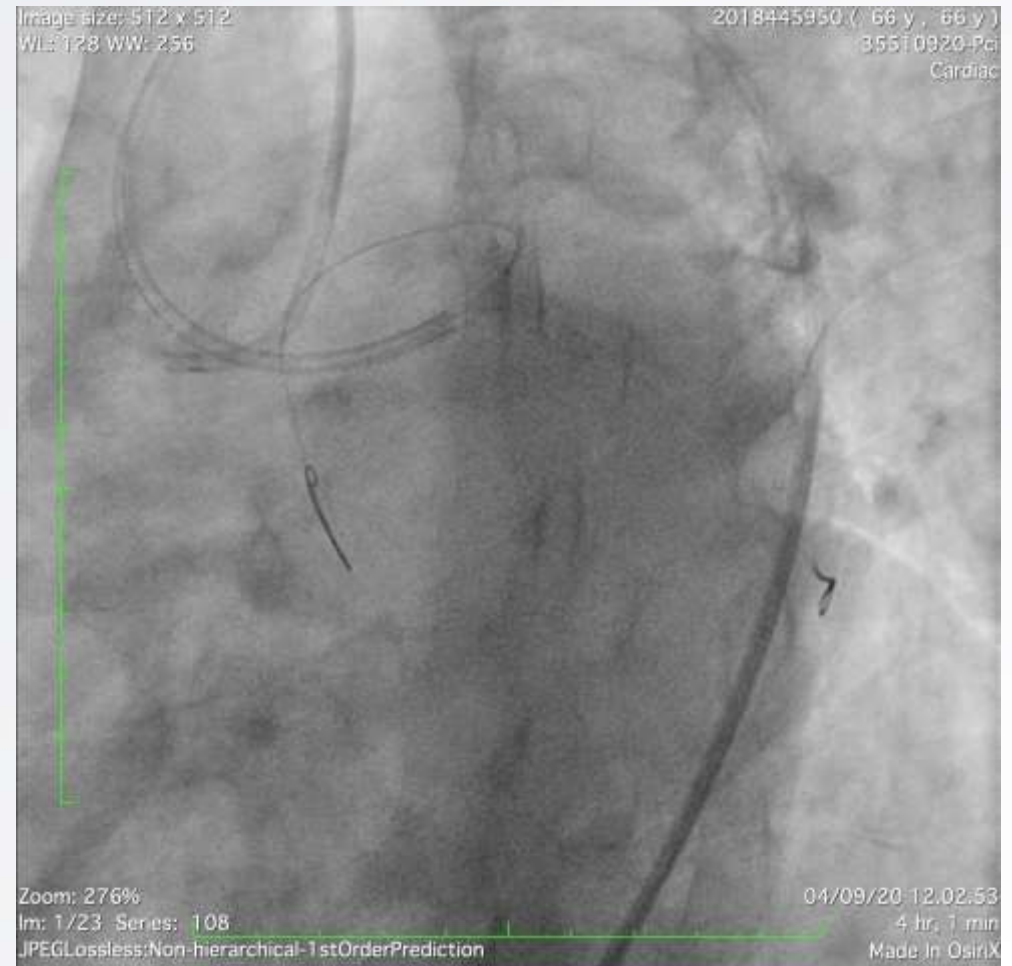
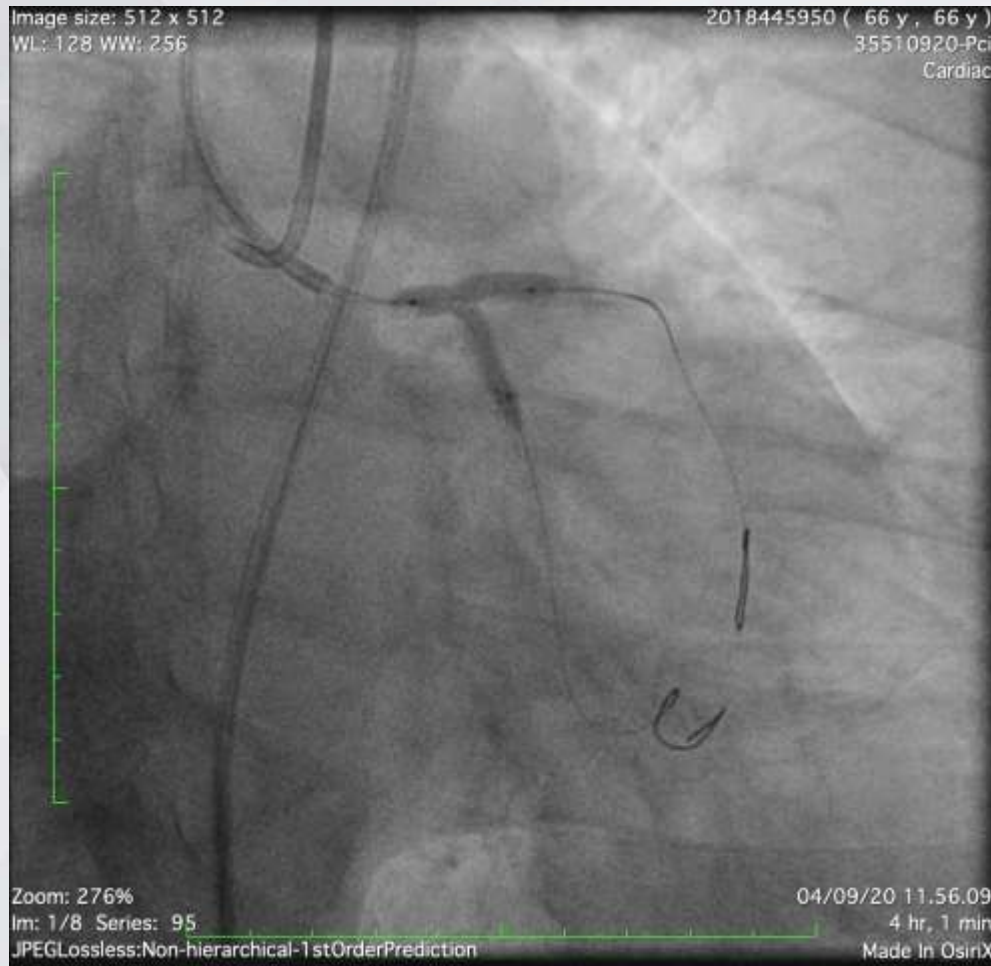
Ikazuchi 1.5 x 15 mm

2nd Lesion Preparation : Pre-Dilatation proximal LAD - LM



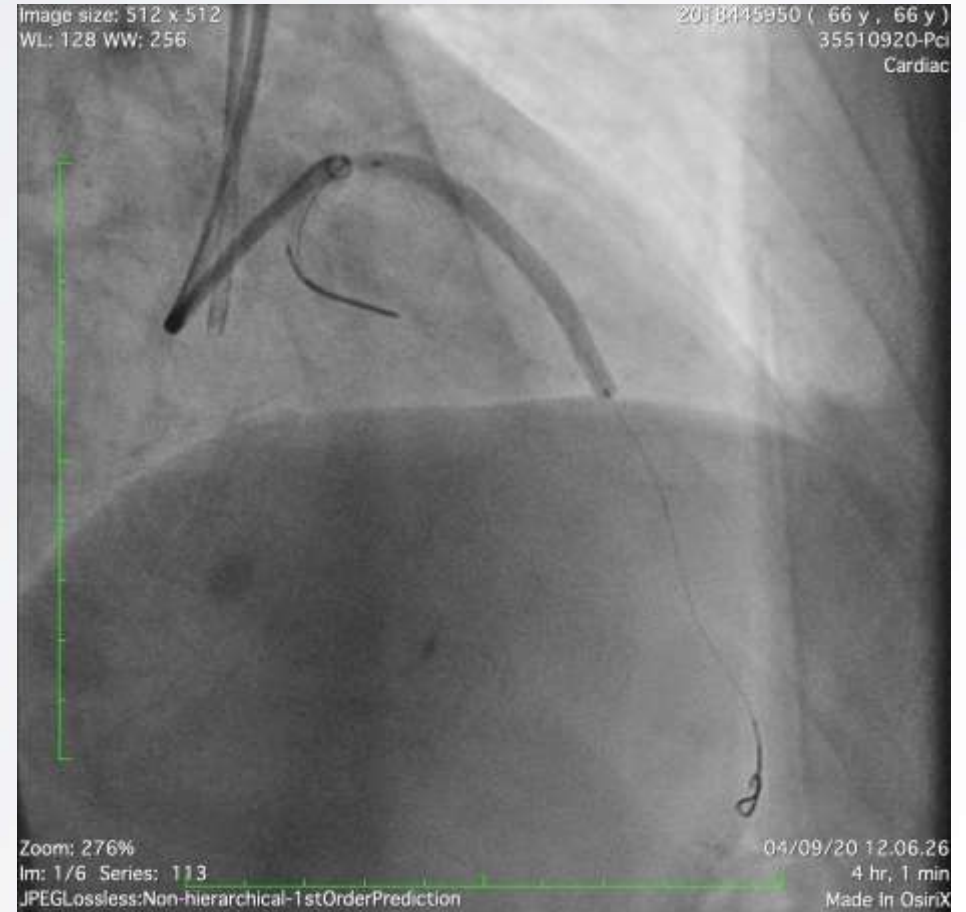
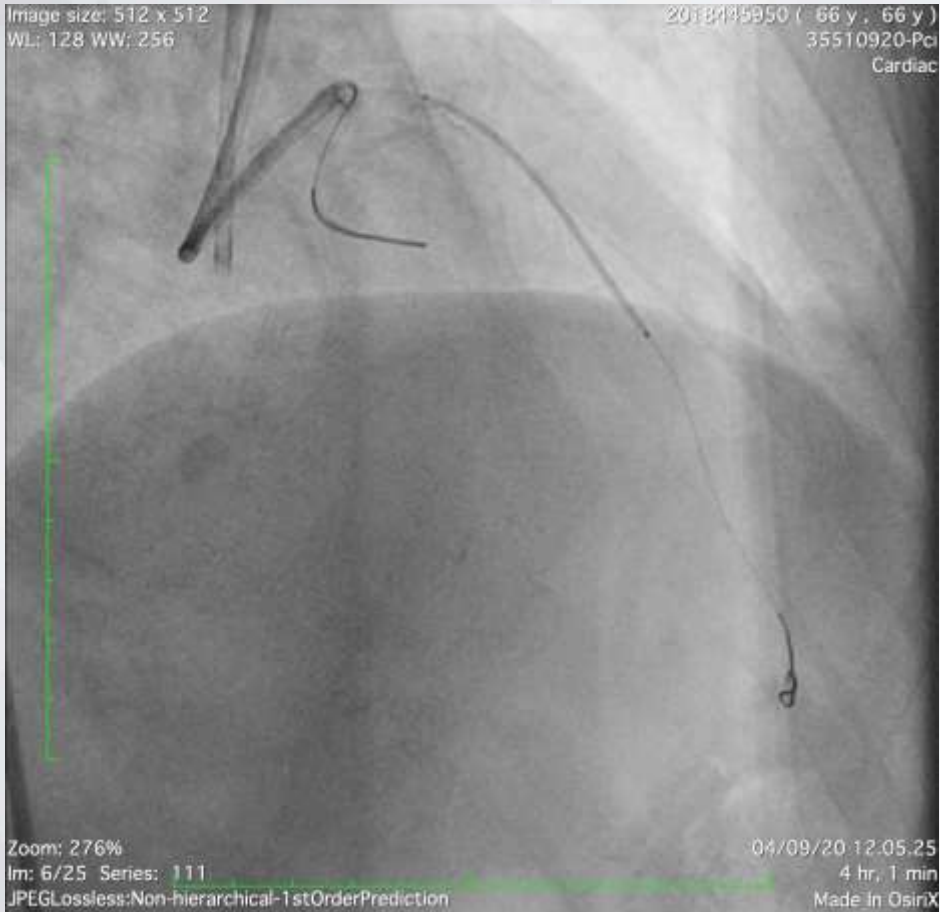
Ryujin 2.0 x 20 mm

Kissing Balloon



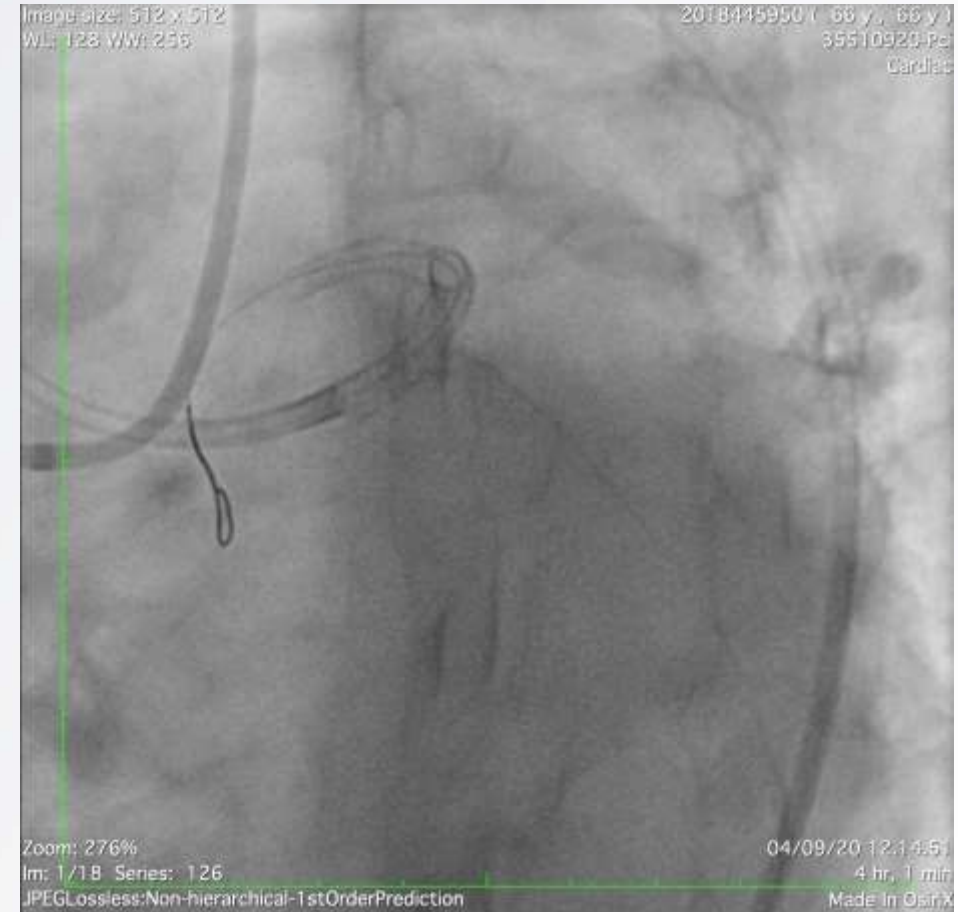
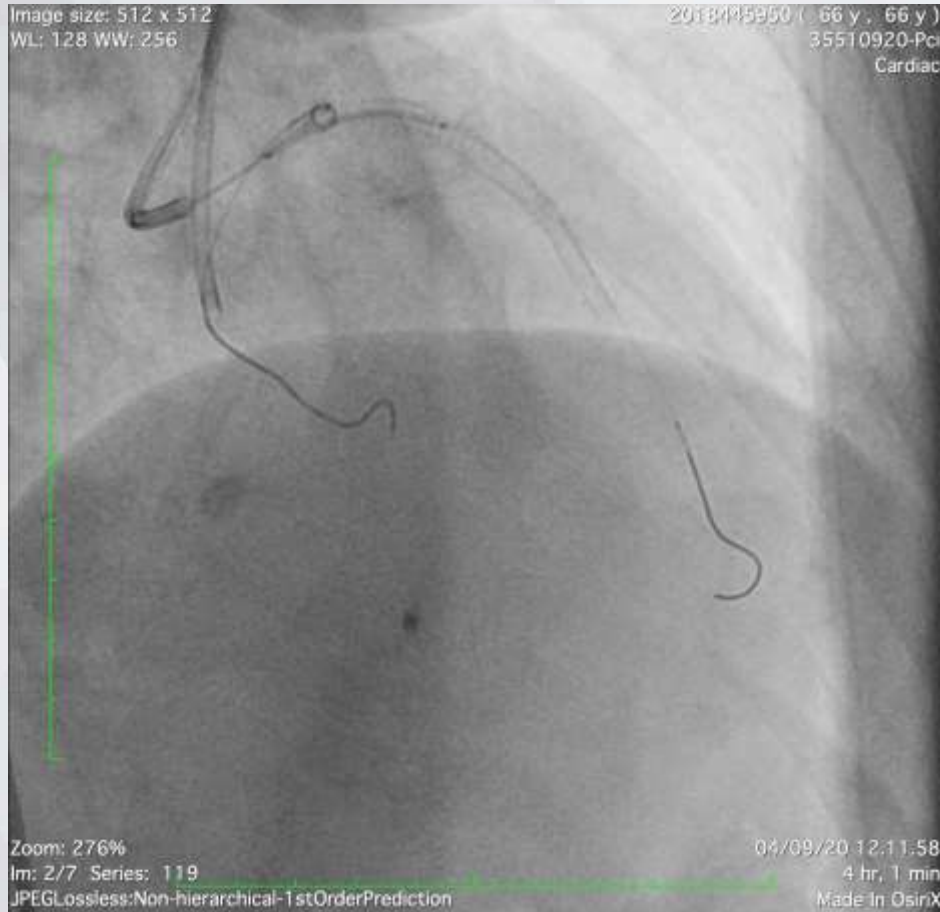
LAD : Ryujin 3.5 x 15 mm
LCx : Ryujin 3.0 x 20 mm

1st Stent Deployment at proximal - mid LAD



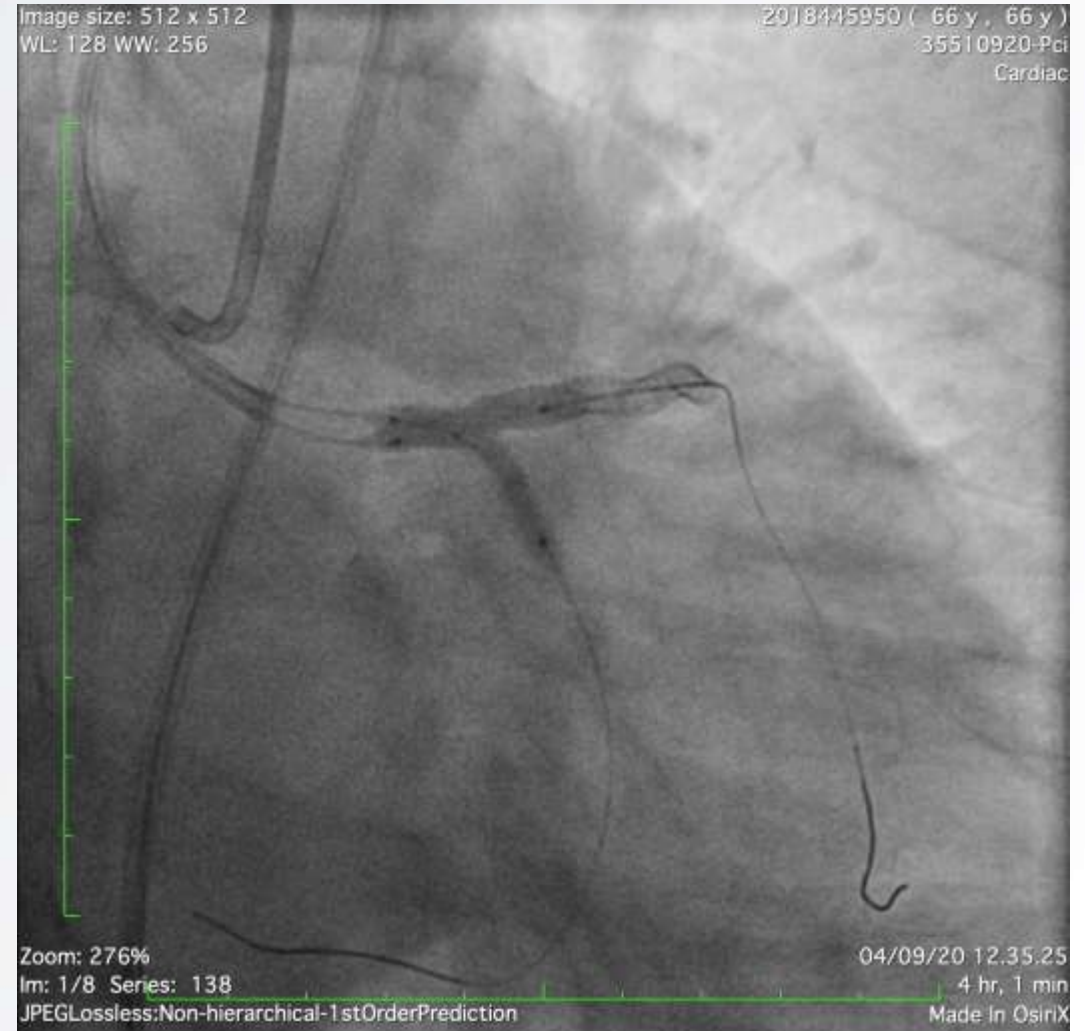
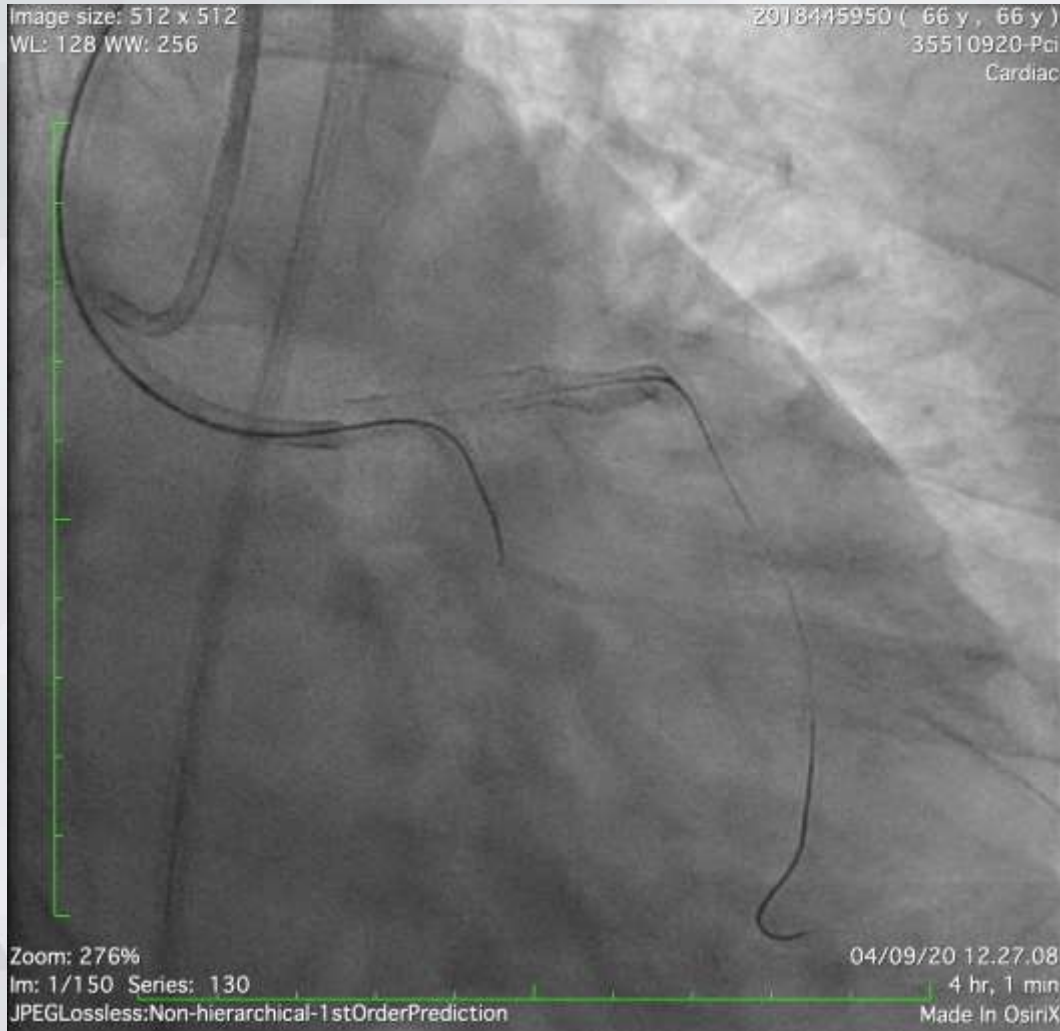
Promus Premier 3.0 x 38 mm

2nd Stent Deployment : Overlap with 1st stent in LM – proximal LAD

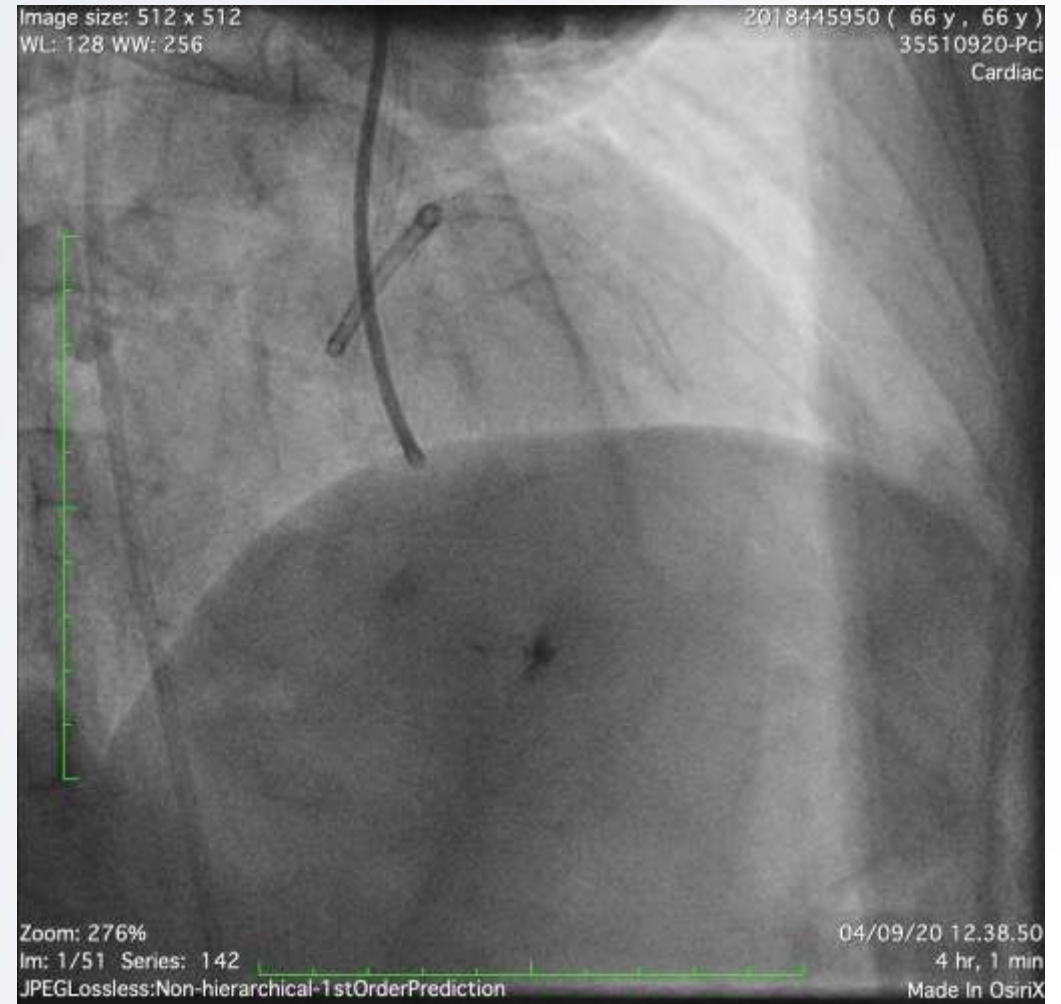
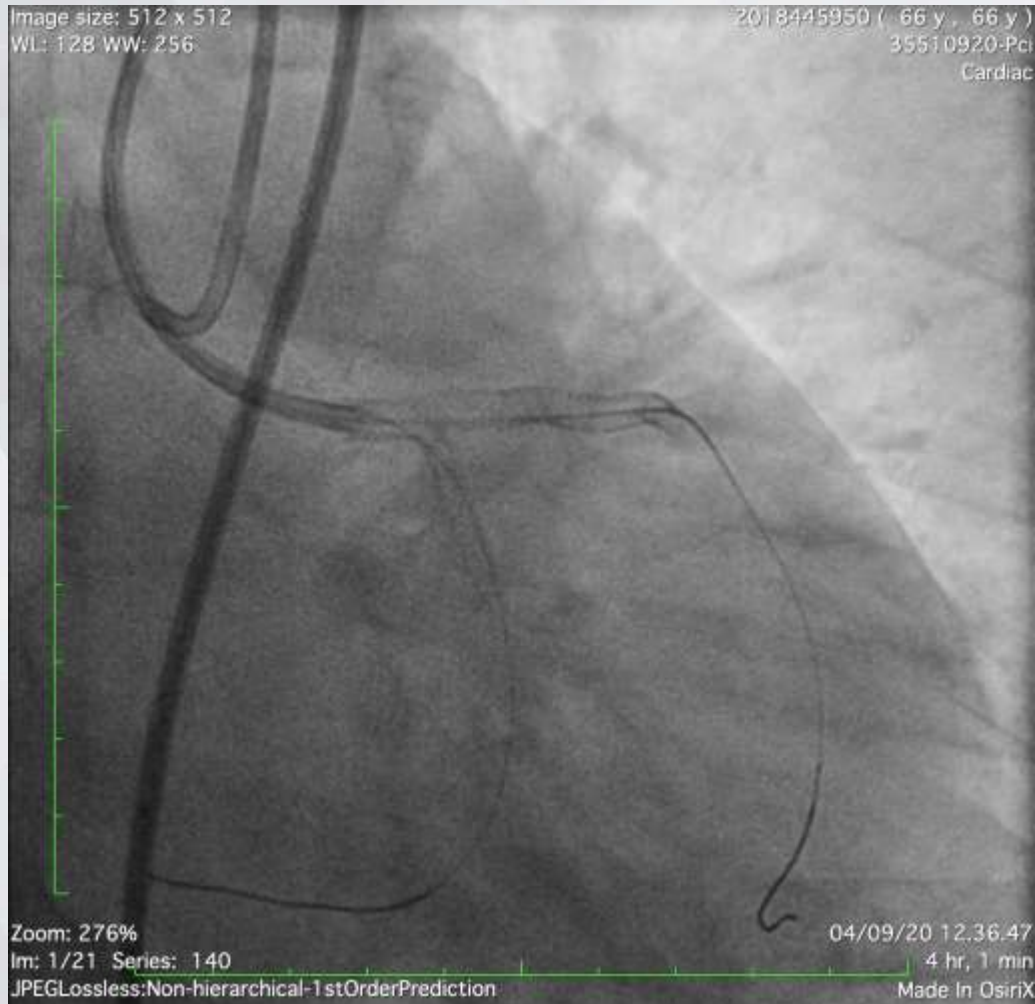


Promus Premier 3.5 x 20 mm

Exchange wire and kissing balloon



Final Angiographic View



Thank You