

# Case Presentation: The Hidden Twin

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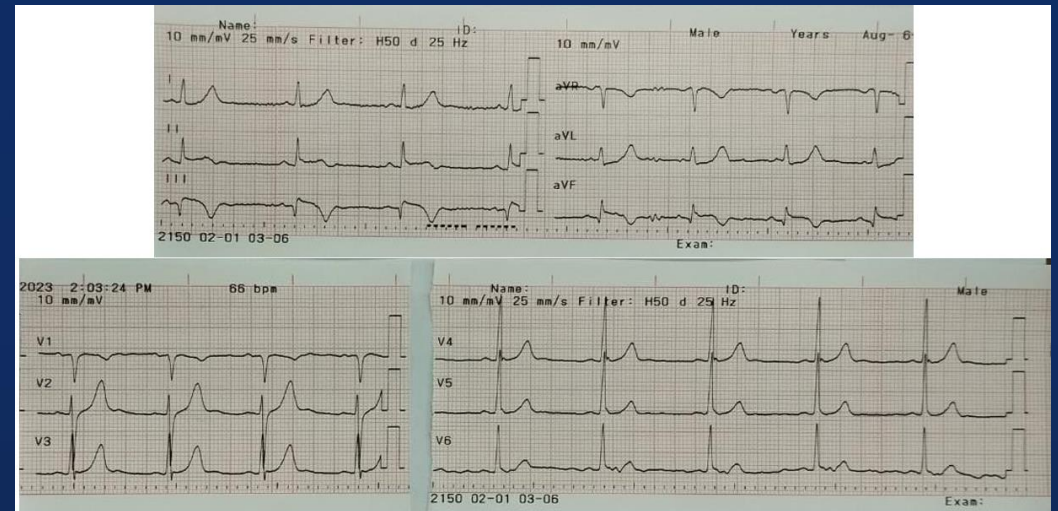
# Disclosure

- **No conflicts of interest**

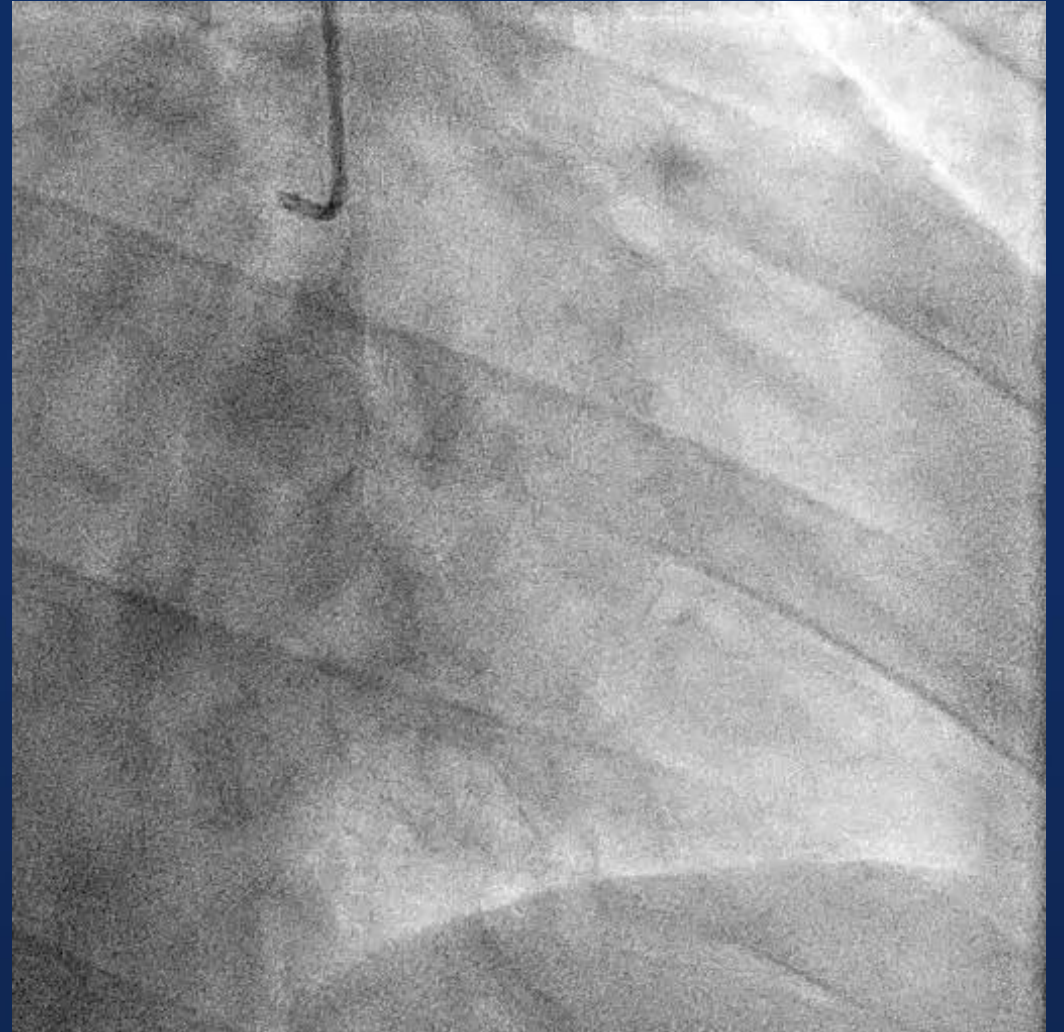
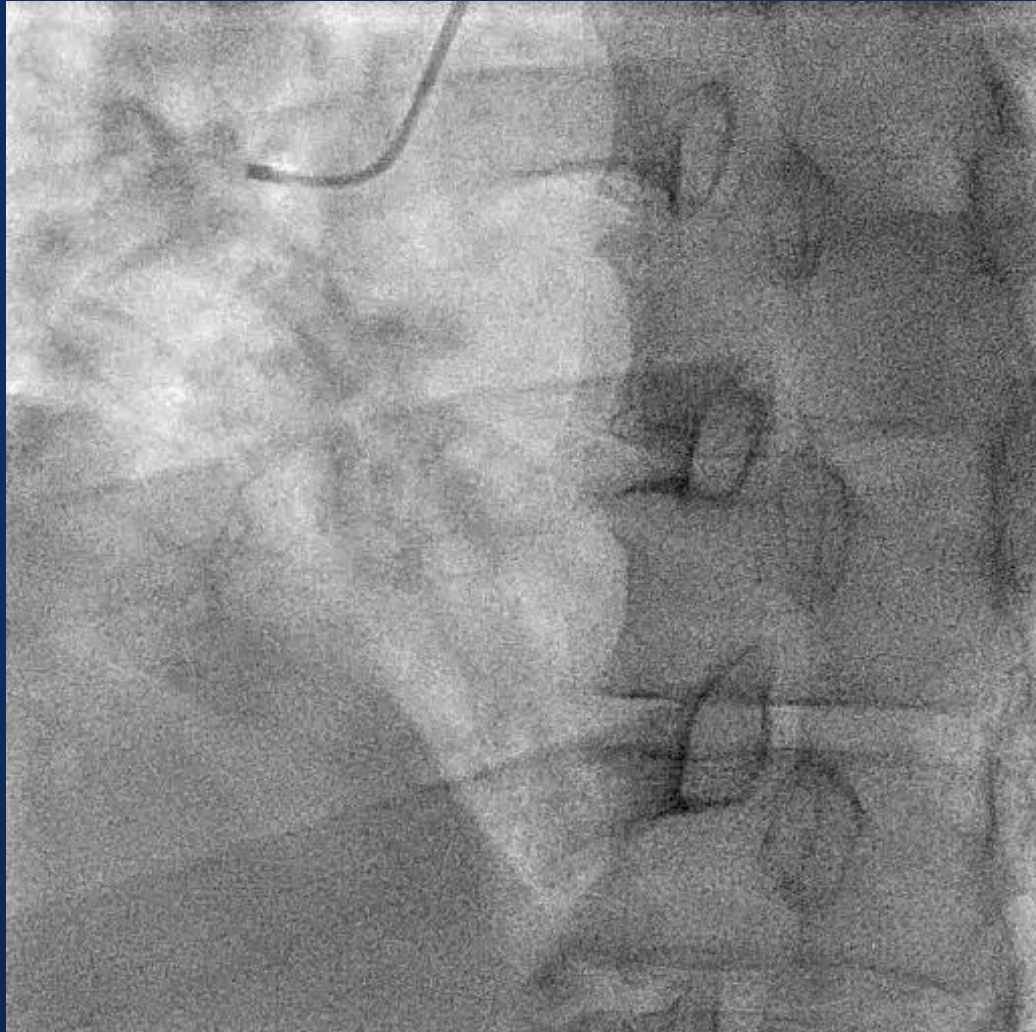
# Clinical Presentation

Male , 34 yo

- **STEMI Inferior Killip I (symptom onset 6 hours)**
- **CVRF : Smoker, family history, dyslipidemia**
- **Laboratorium:**
  - **eGFR 115 ml/min/m<sup>2</sup>;**
  - **Trop I >10**



# Right Coronary Angiogram

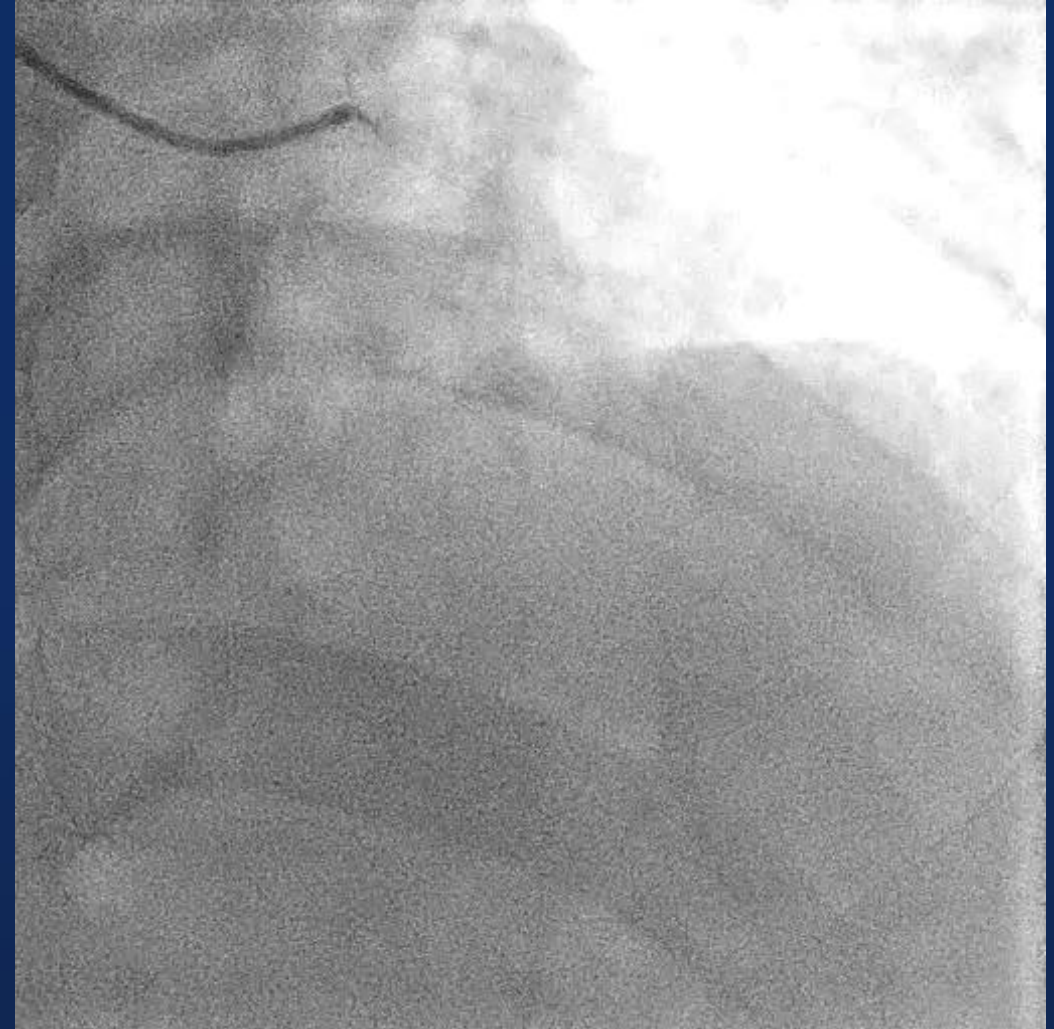
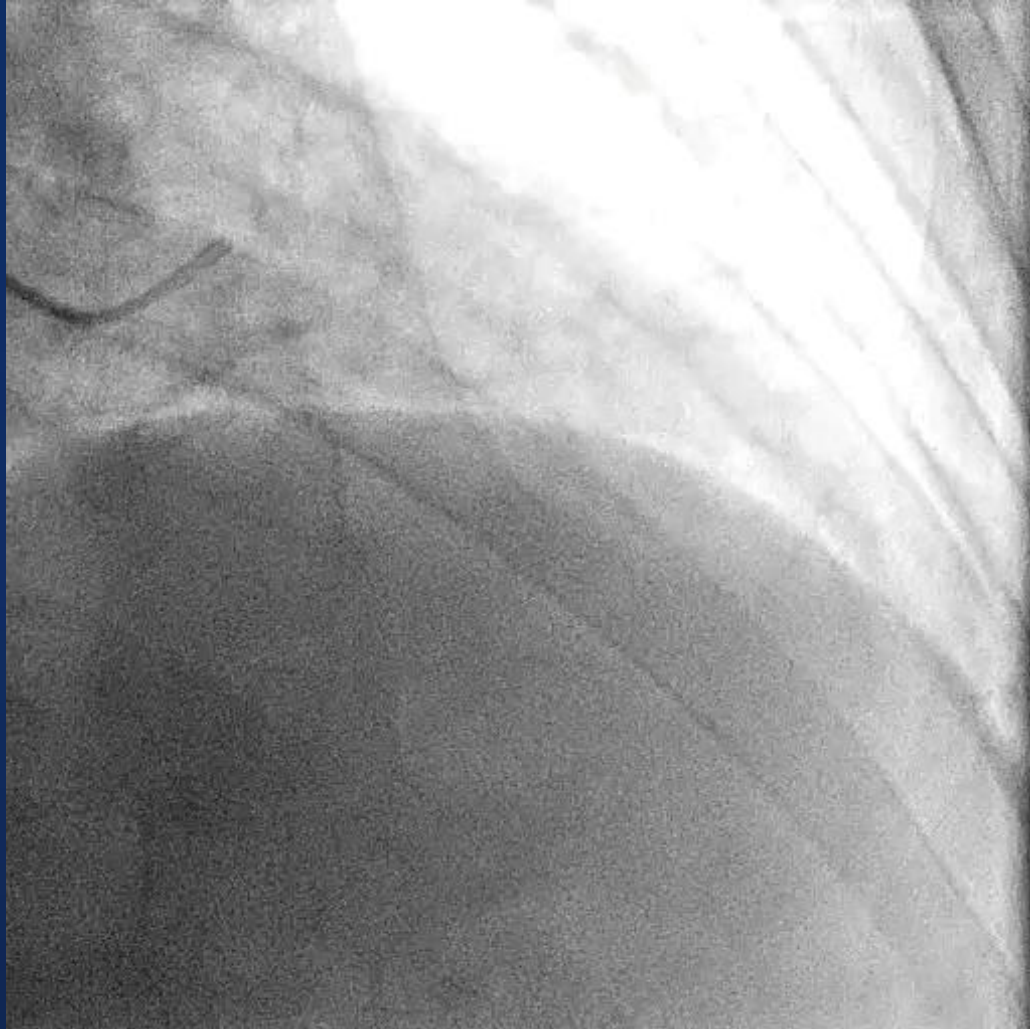




# Left Coronary Angiogram



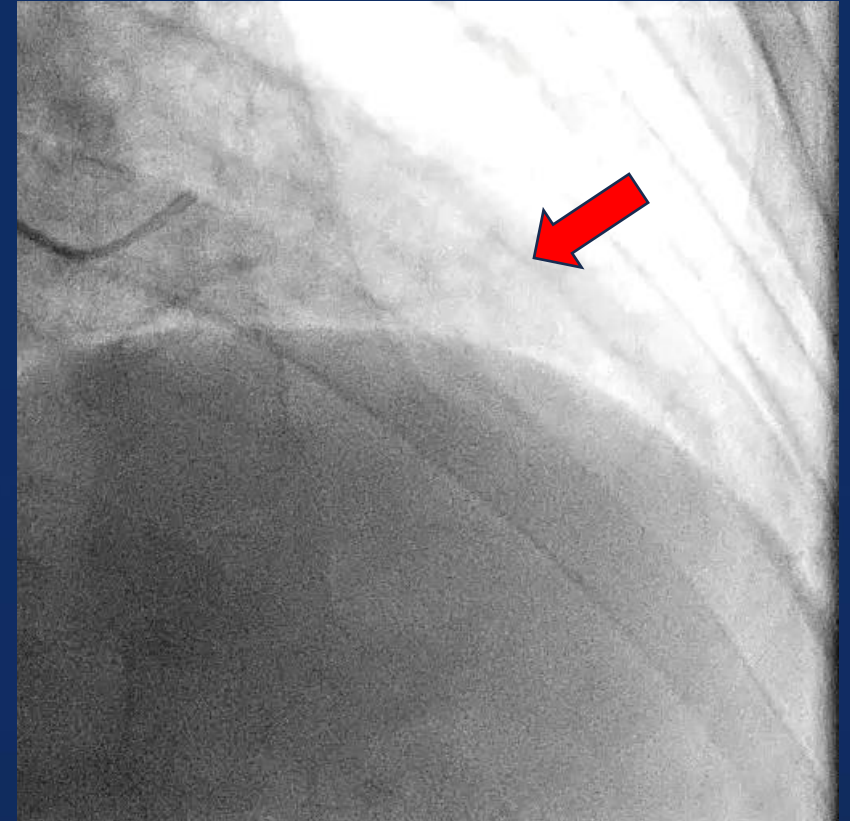
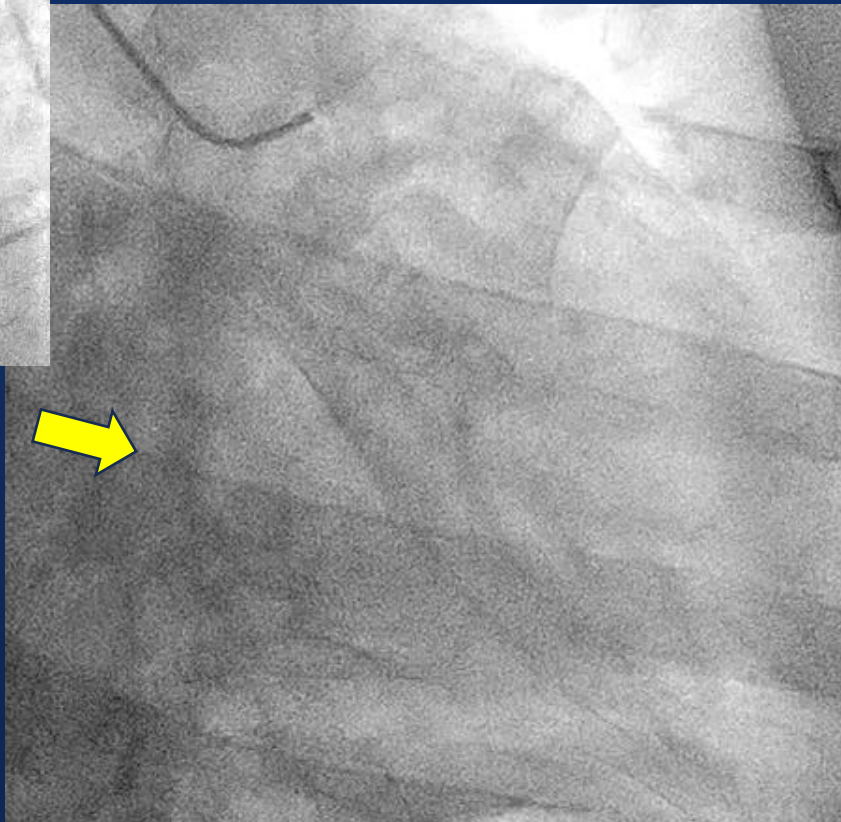
# Left Coronary Angiogram





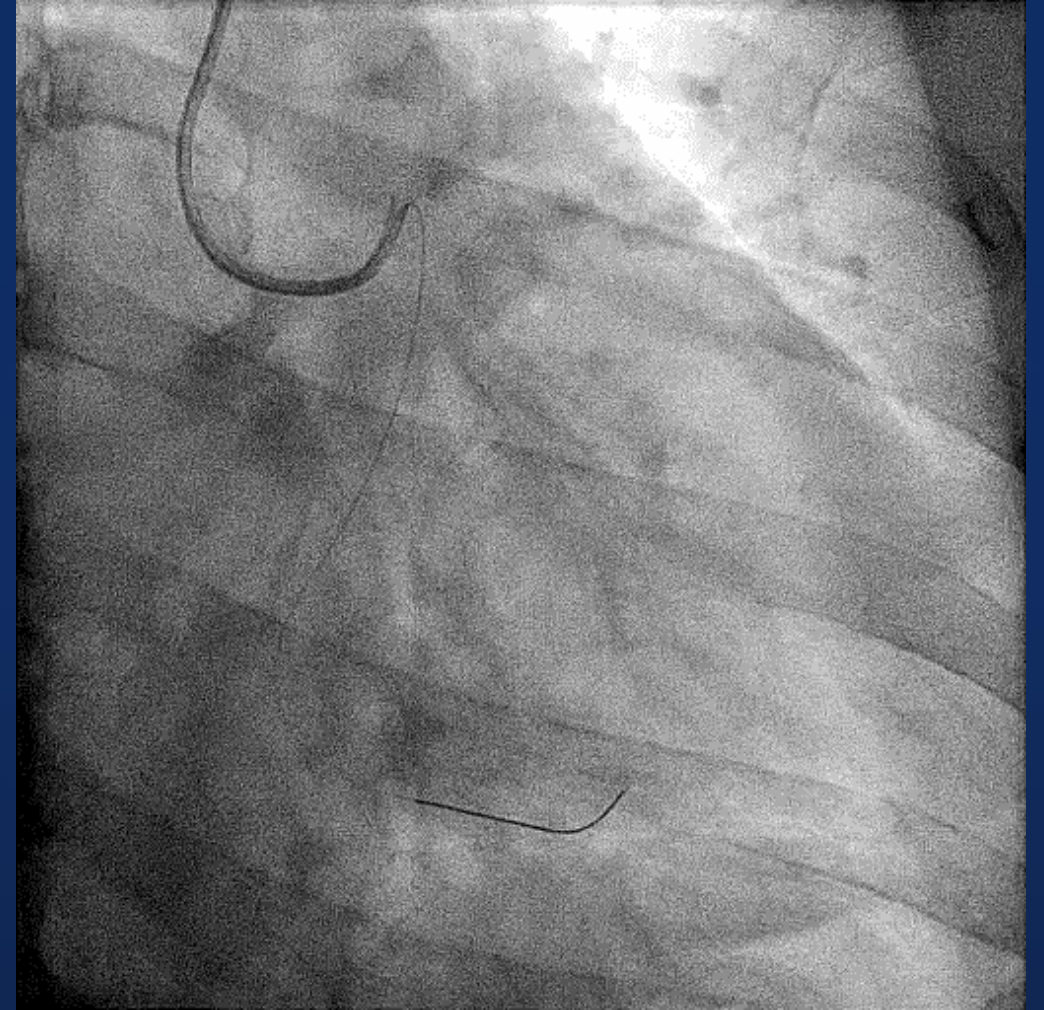
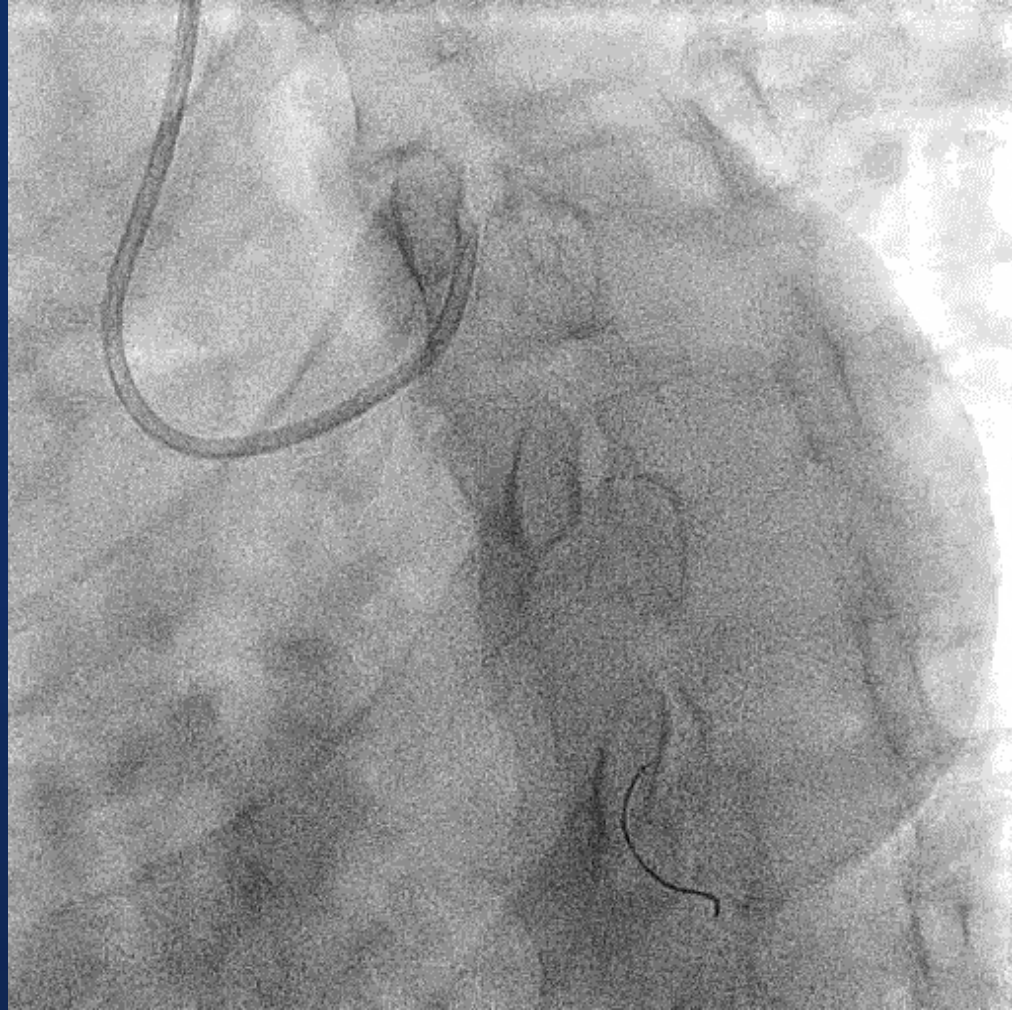


- Inferior wall MI
- Left dominant system
- Culprit: considered at distal LCx





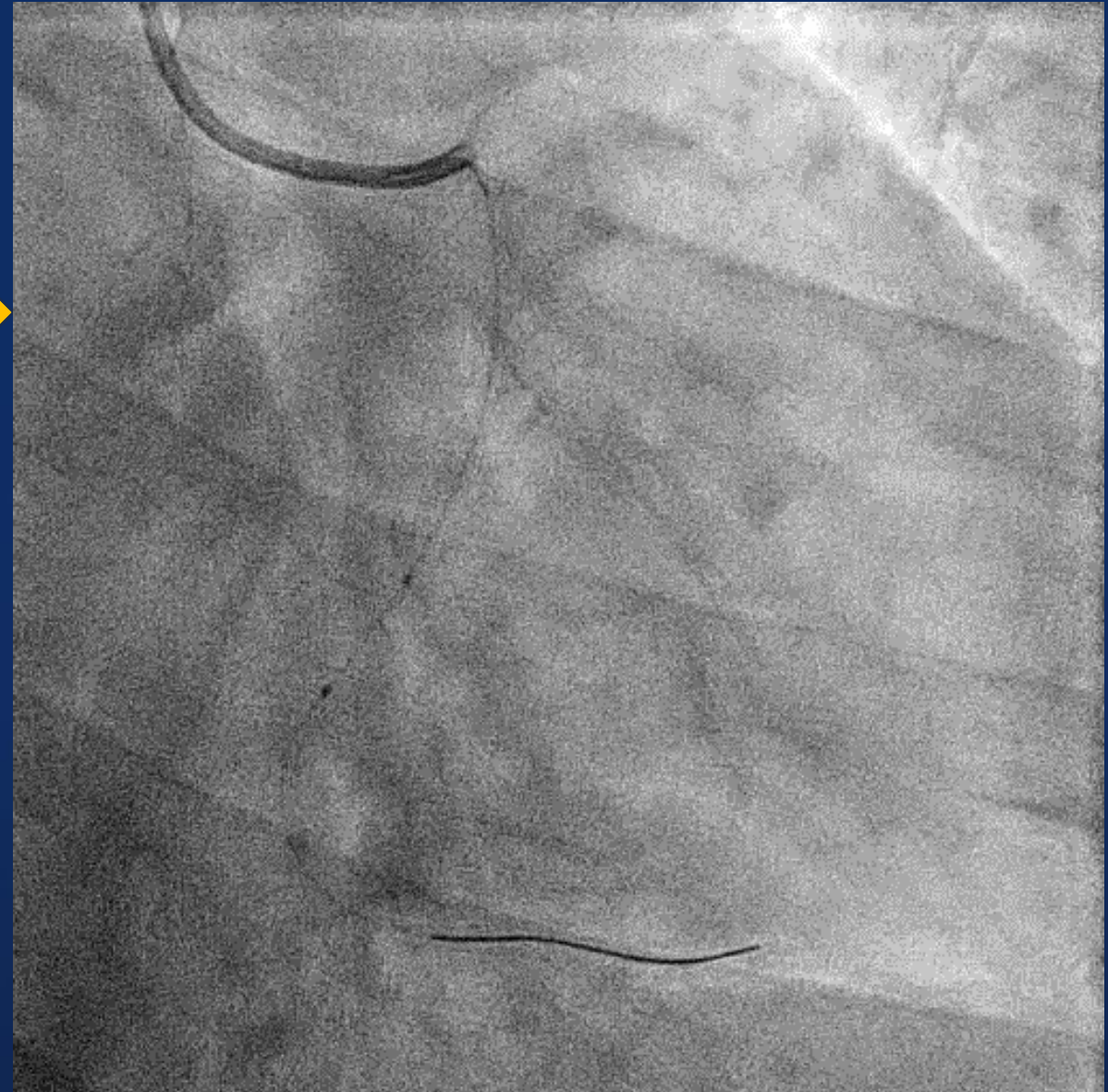
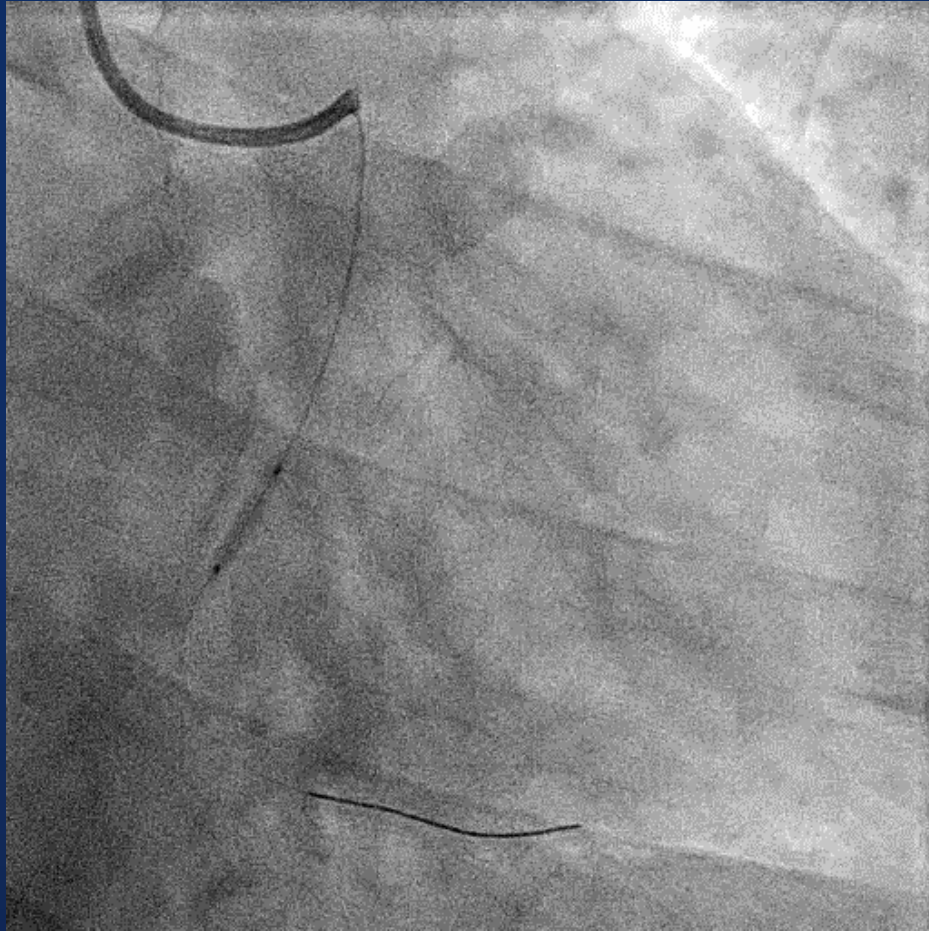
# Wire to LCx





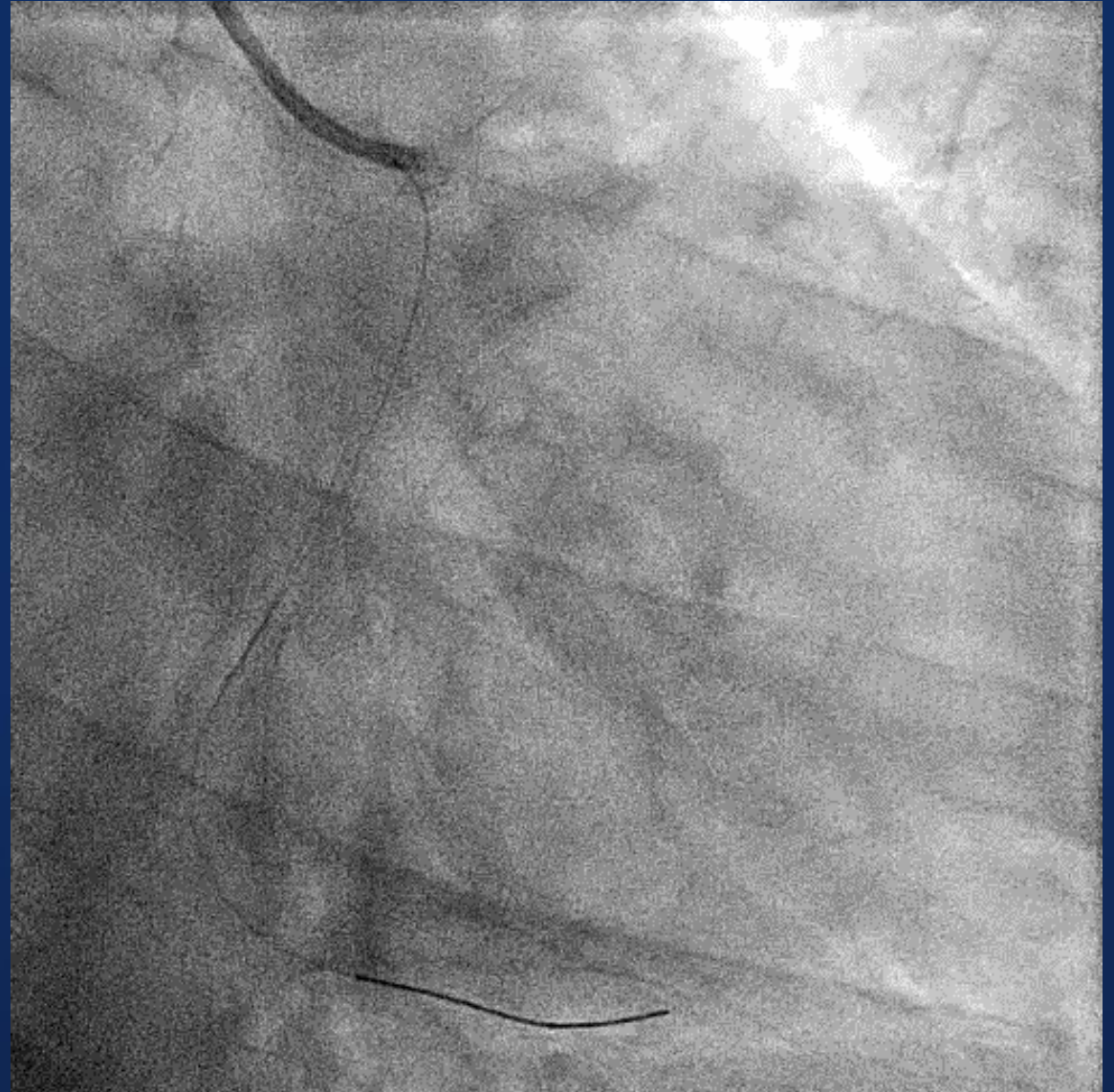
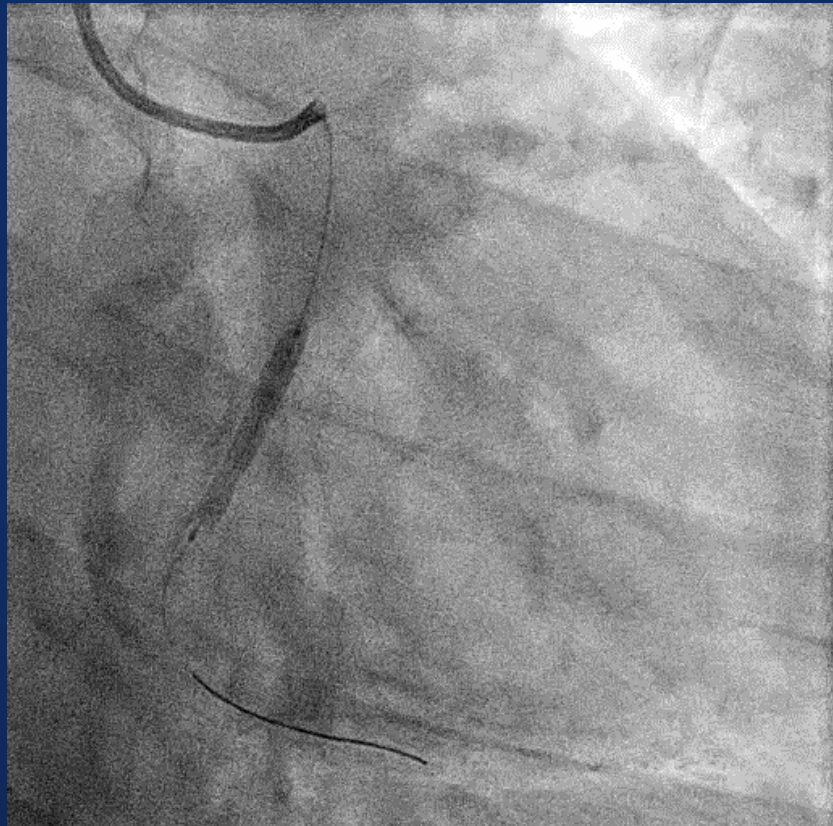
# Predilate

2.0/15mm SCB

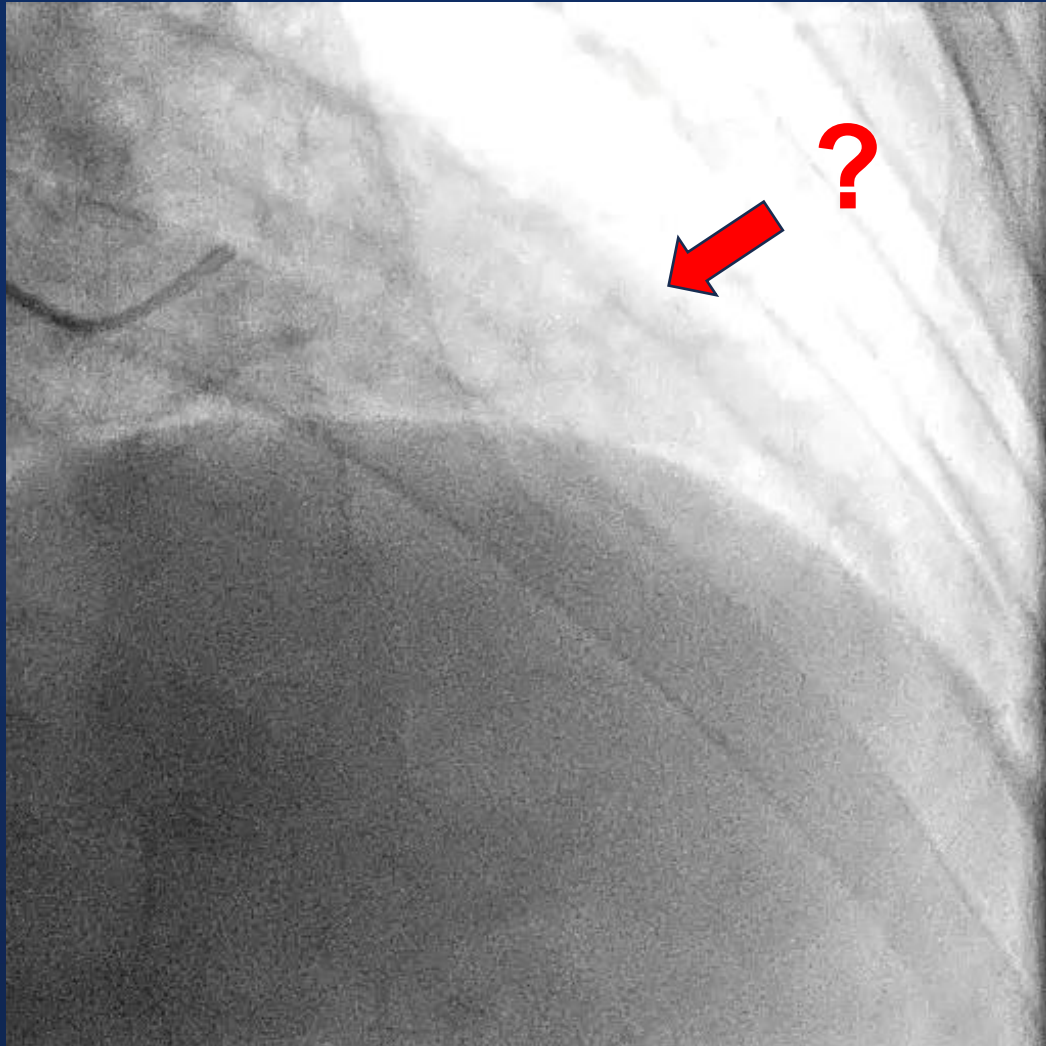




# Spot stenting 3.5/28mm DES



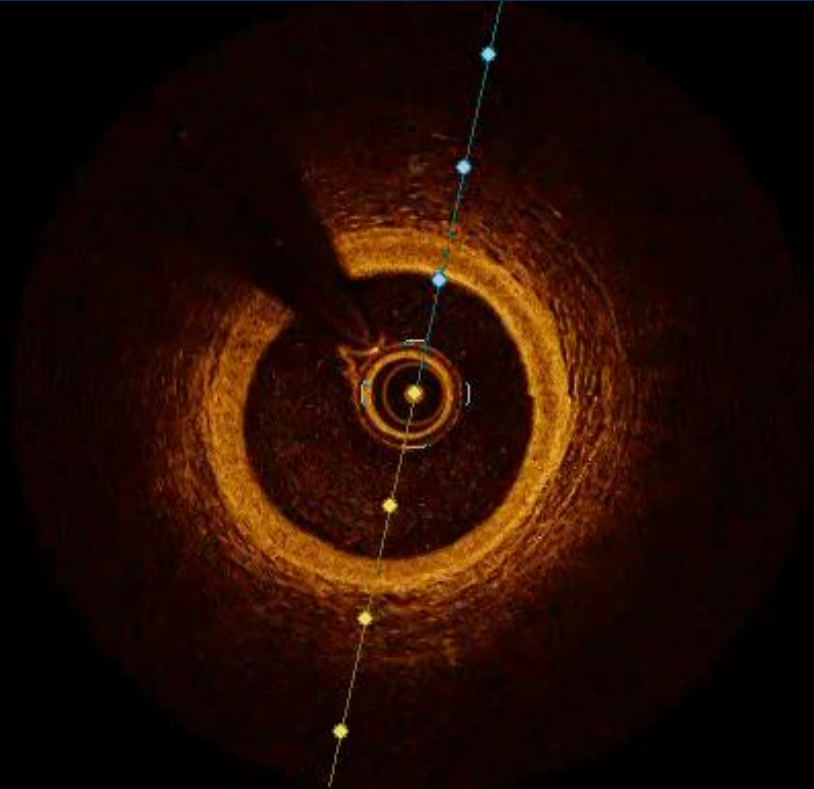
# How will you deal with this 'nonculprit' lesion?



- A. PCI during the index procedure
- B. Functional test +/- PCI before discharge (during hospitalization)
- C. Staged procedure within 6 weeks
- D. Other

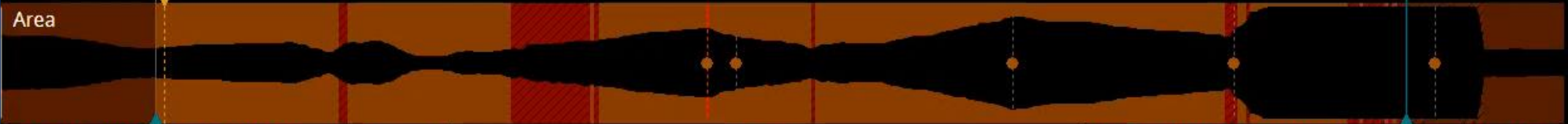


# OCT study LAD



1 mm 

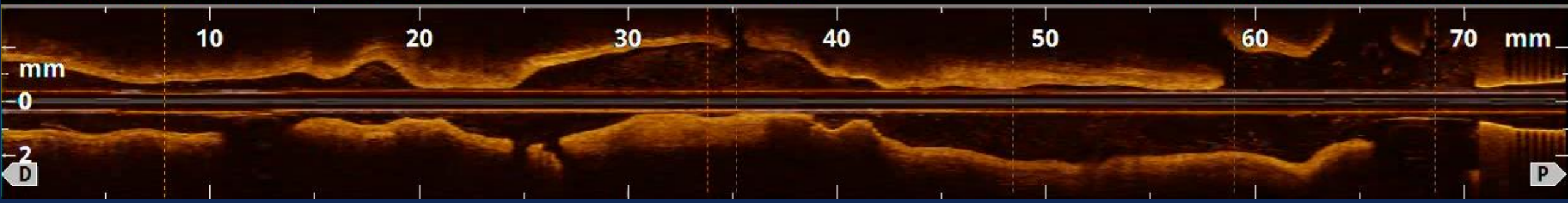
Area 2.72mm<sup>2</sup>, Ø=1.85mm, DS=41.6%, AS=70.9%



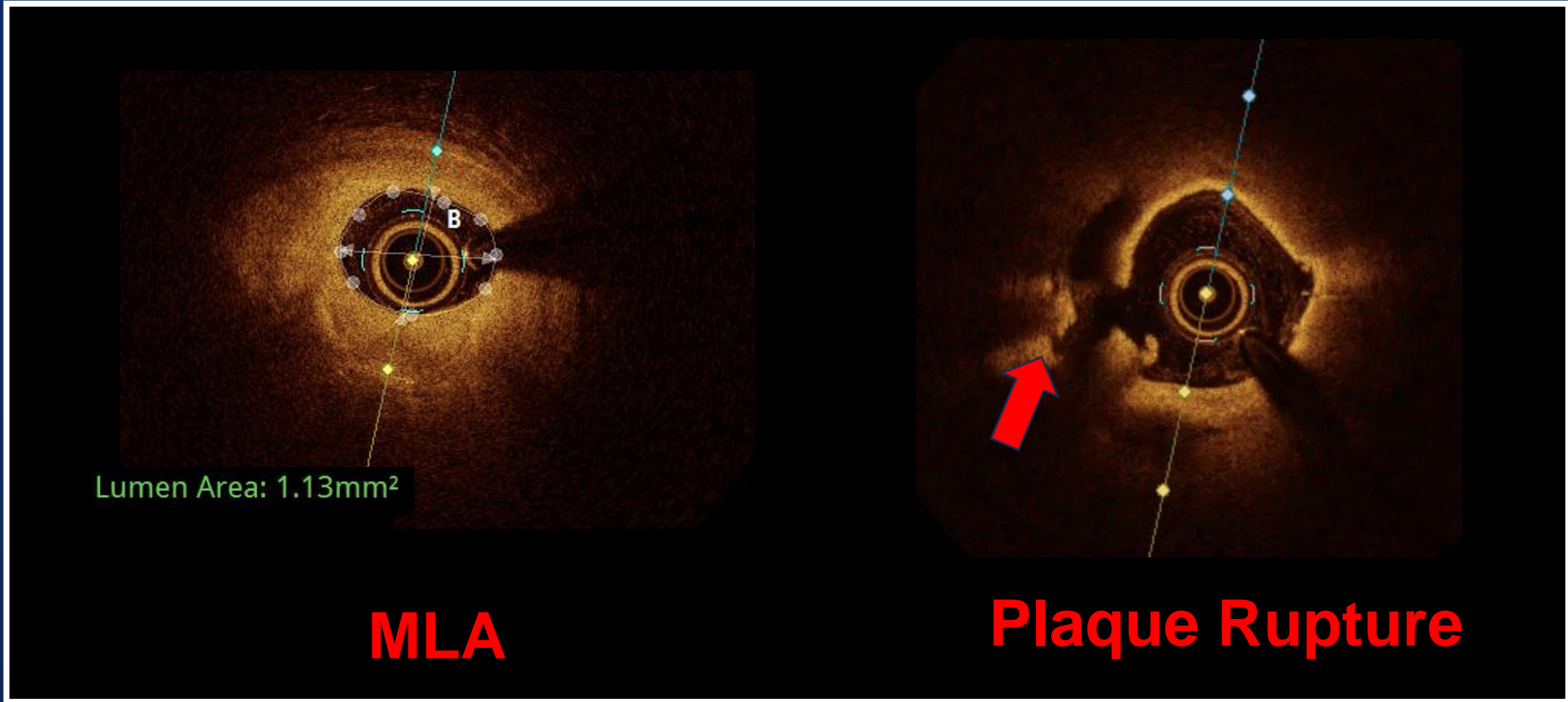
Area 2.65mm<sup>2</sup>, Ø=1.83mm, DS=-.-%, AS=-.-%

59.8 mm

Area 16.06mm<sup>2</sup>, Ø=4.51mm, DS=59.0%, AS=83.1%



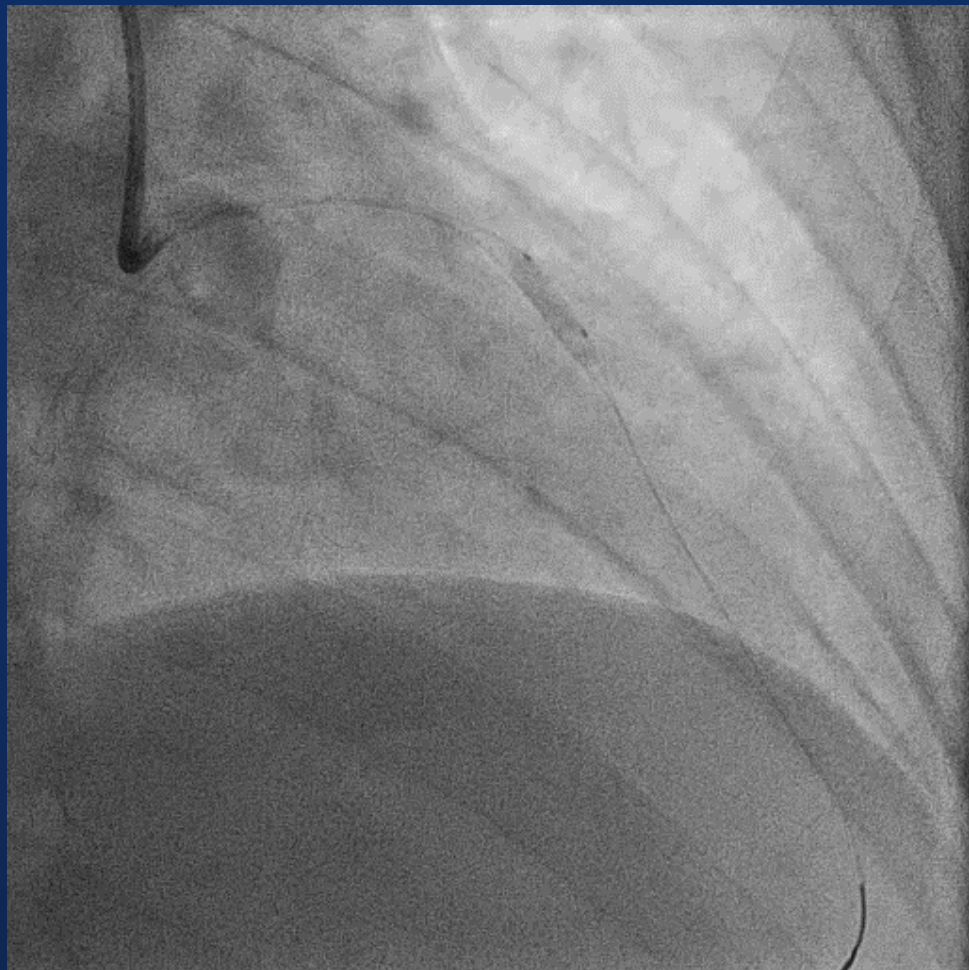
# LAD OCT study





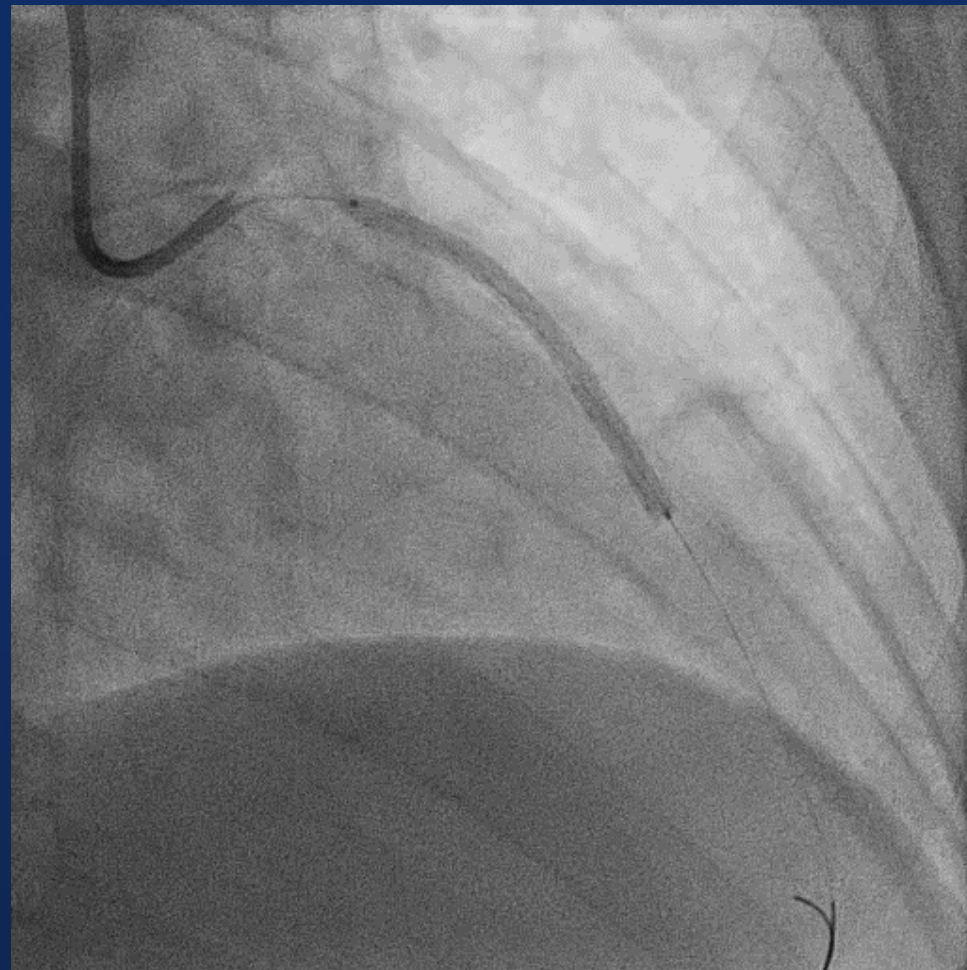
# Predilate

3.0/10mm Scoring balloon



# Stenting

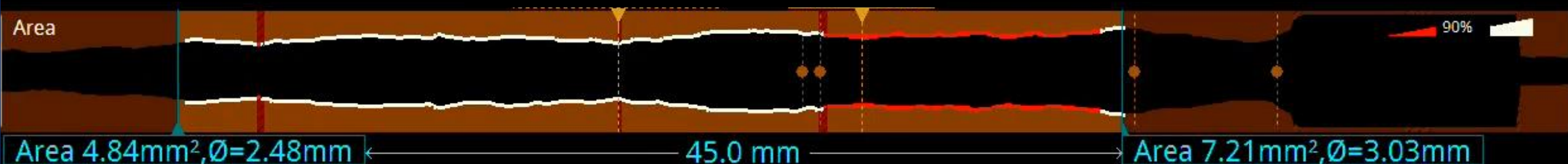
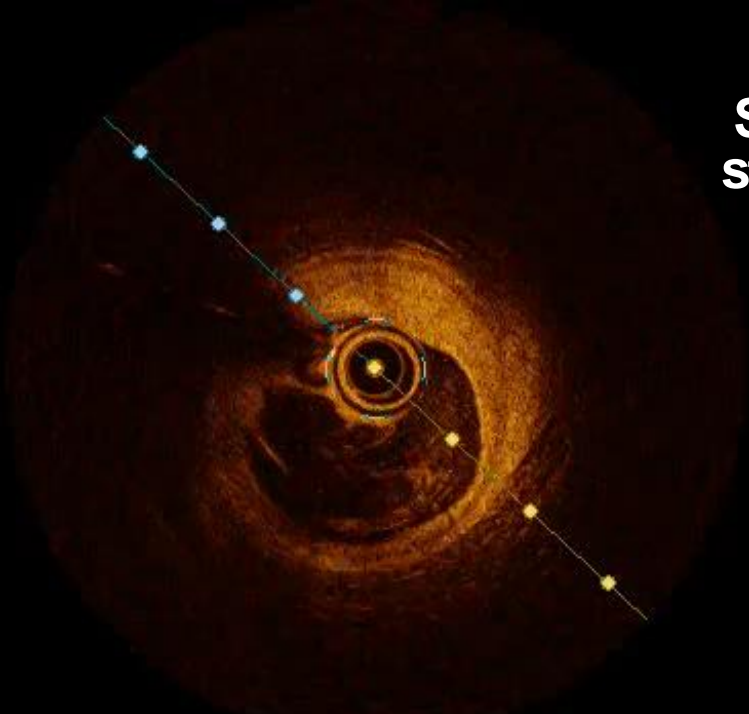
3.0/46mm DES





# Post PCI OCT study 1 DES LAD

Stent edge dissection (-), good  
stent expansion and apposition;  
MSA 5.5 mm<sup>2</sup>



# Final results



# Take home messages

- Previous studies have demonstrated that STEMI encompasses pancoronary syndromes, highlighting the importance of addressing multivessel involvement in these patients.
- Evidence suggests that complete revascularization yields benefits for patients with STEMI and multivessel disease
- In cases where the severity of non-culprit lesions is ambiguous, OCT may be considered by providing detailed lesion characteristics and aiding in personalized treatment