

R-CART

PROCEDURA STEP BY STEP

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ADDOLORATA, ROMA

CLINICAL HISTORY

PAZIENTE

Uomo

60 anni

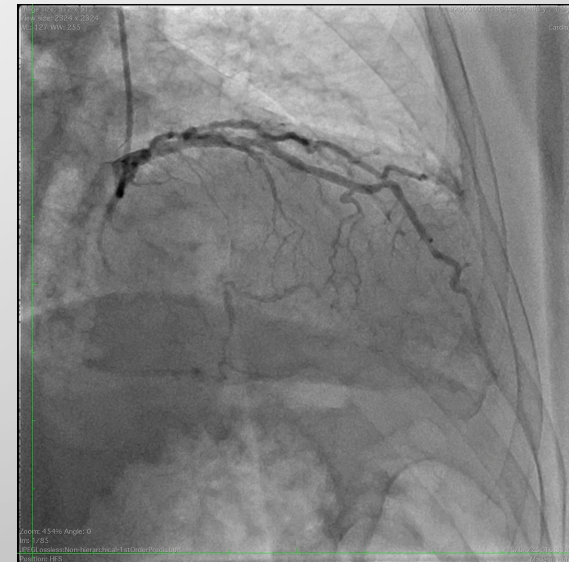
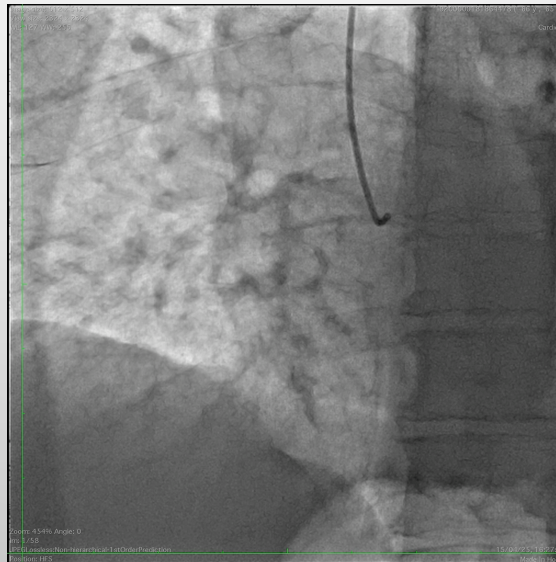
PRESENTAZIONE CLINICA

Dispnea, angina da sforzo

Eco-stress positivo per ischemia in sede inferiore

ANAMNESI

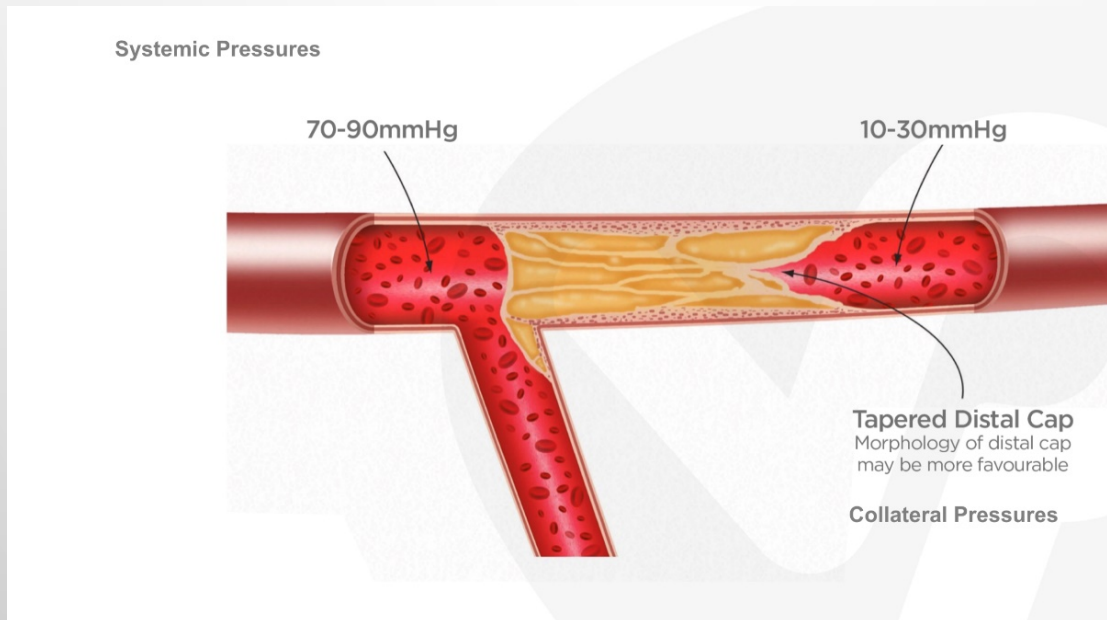
- Ipertensione arteriosa, dislipidemia, abitudine tabagica, ateromasia carotidea
- **Cardiopatia ischemica** — pregressa angina instabile → impianto di 1 DES su Cx (giugno 2025)
- **Residua CTO della coronaria destra**



ECHO-GUIDED FEMORAL PUNCTURE

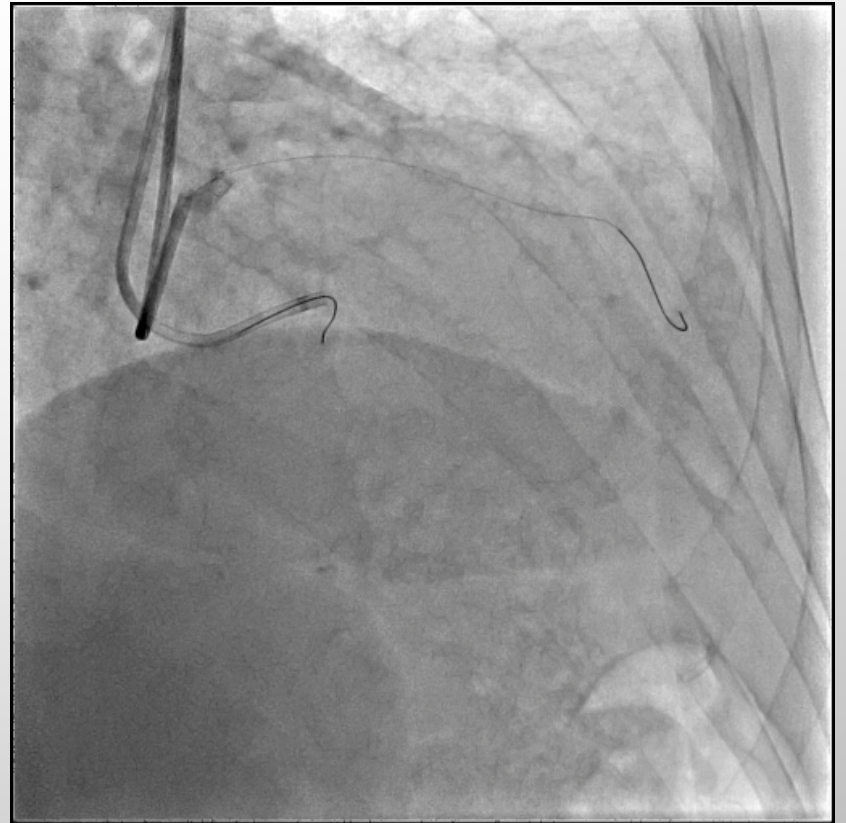
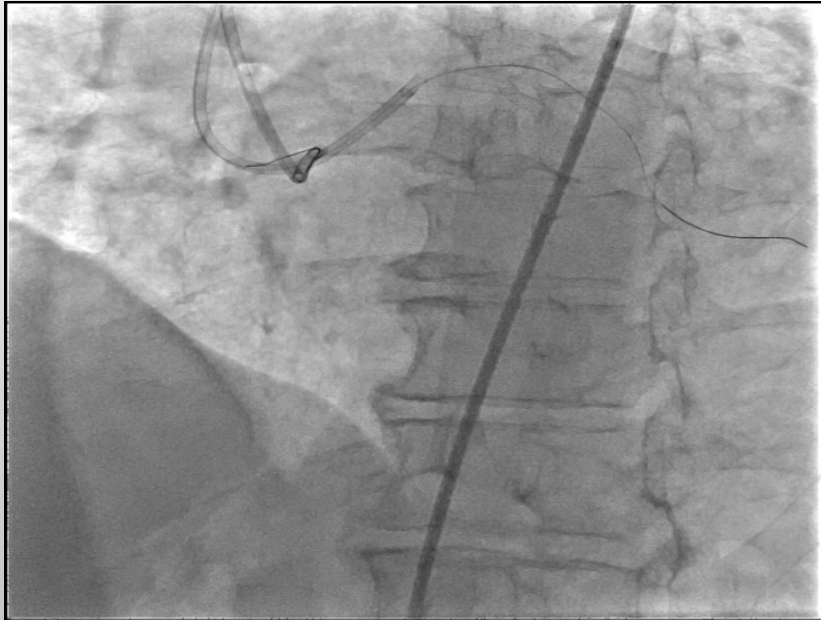


WHY RETROGRADE APPROACH?

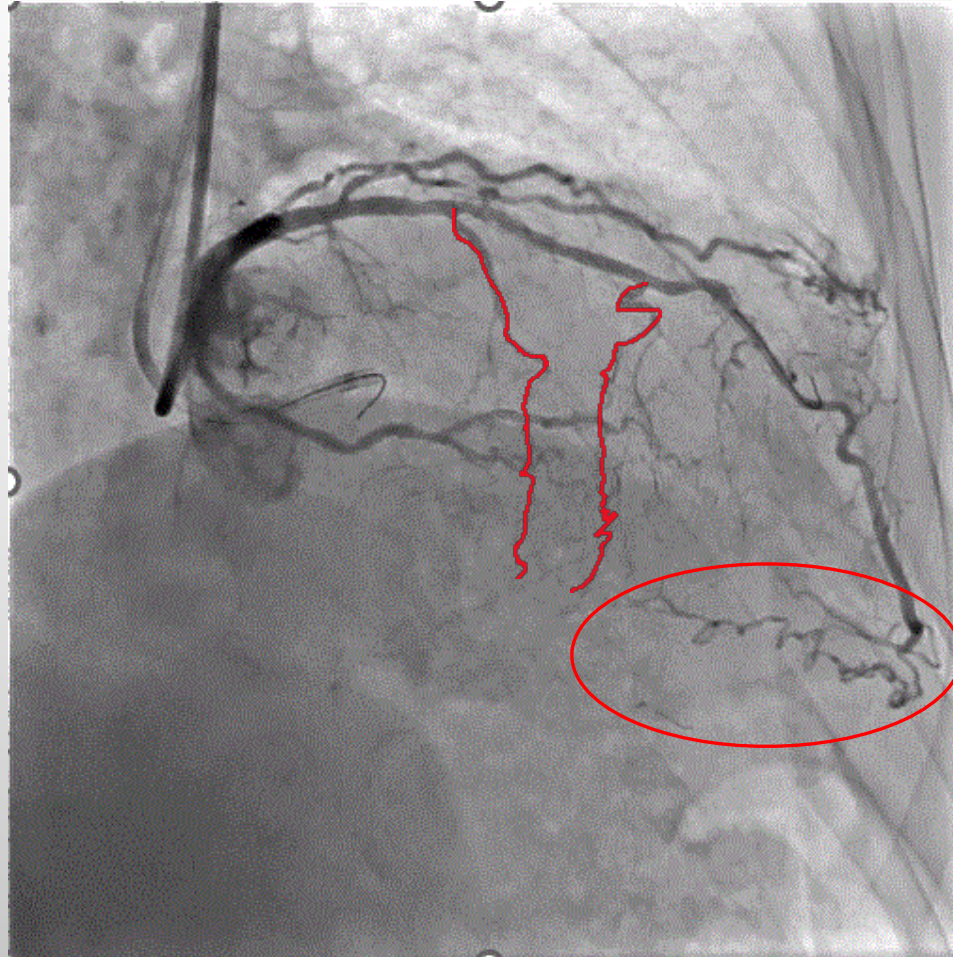


More frequently tapered and softer → exposure to lower pressure

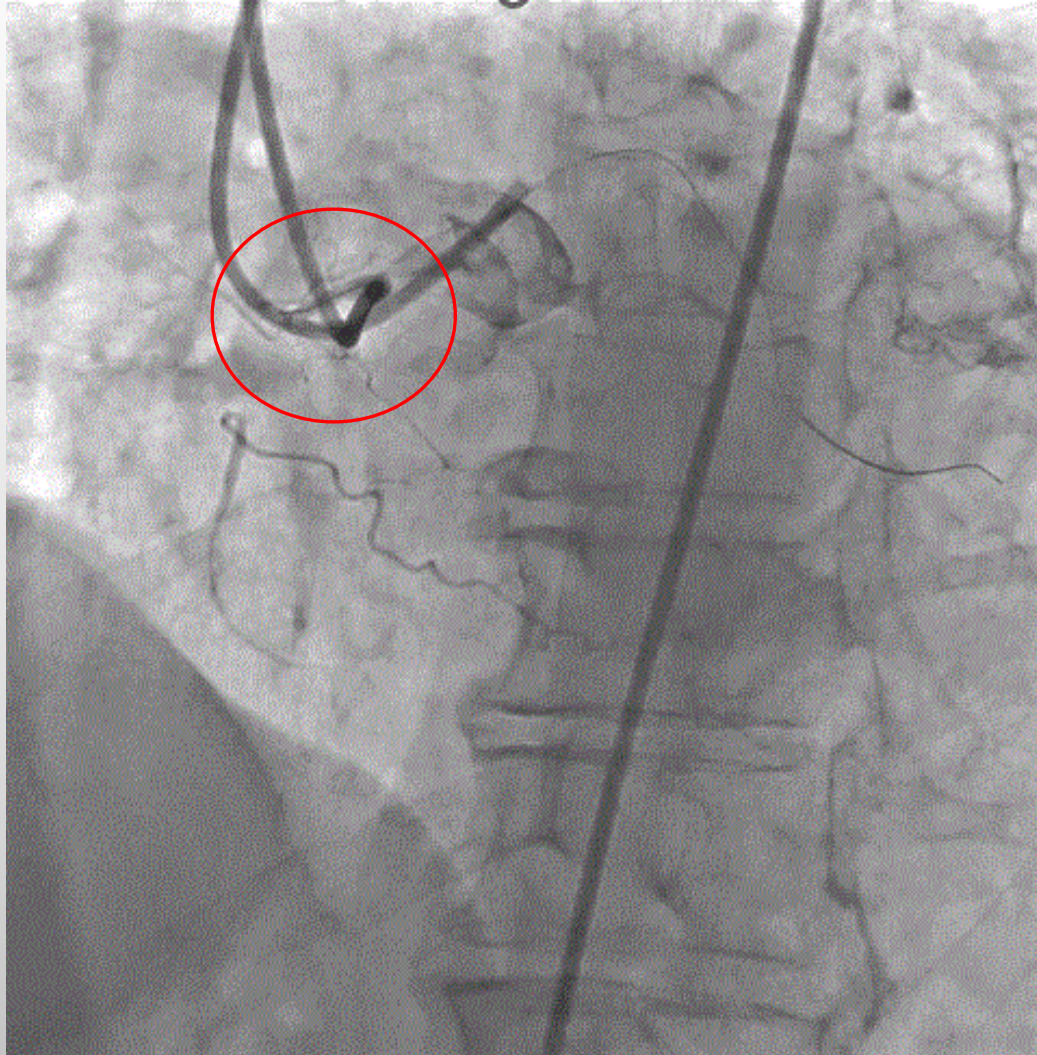
1- ANGIO ANALYSIS



1- ANGIO ANALYSIS (SELECT THE COLLATERAL)

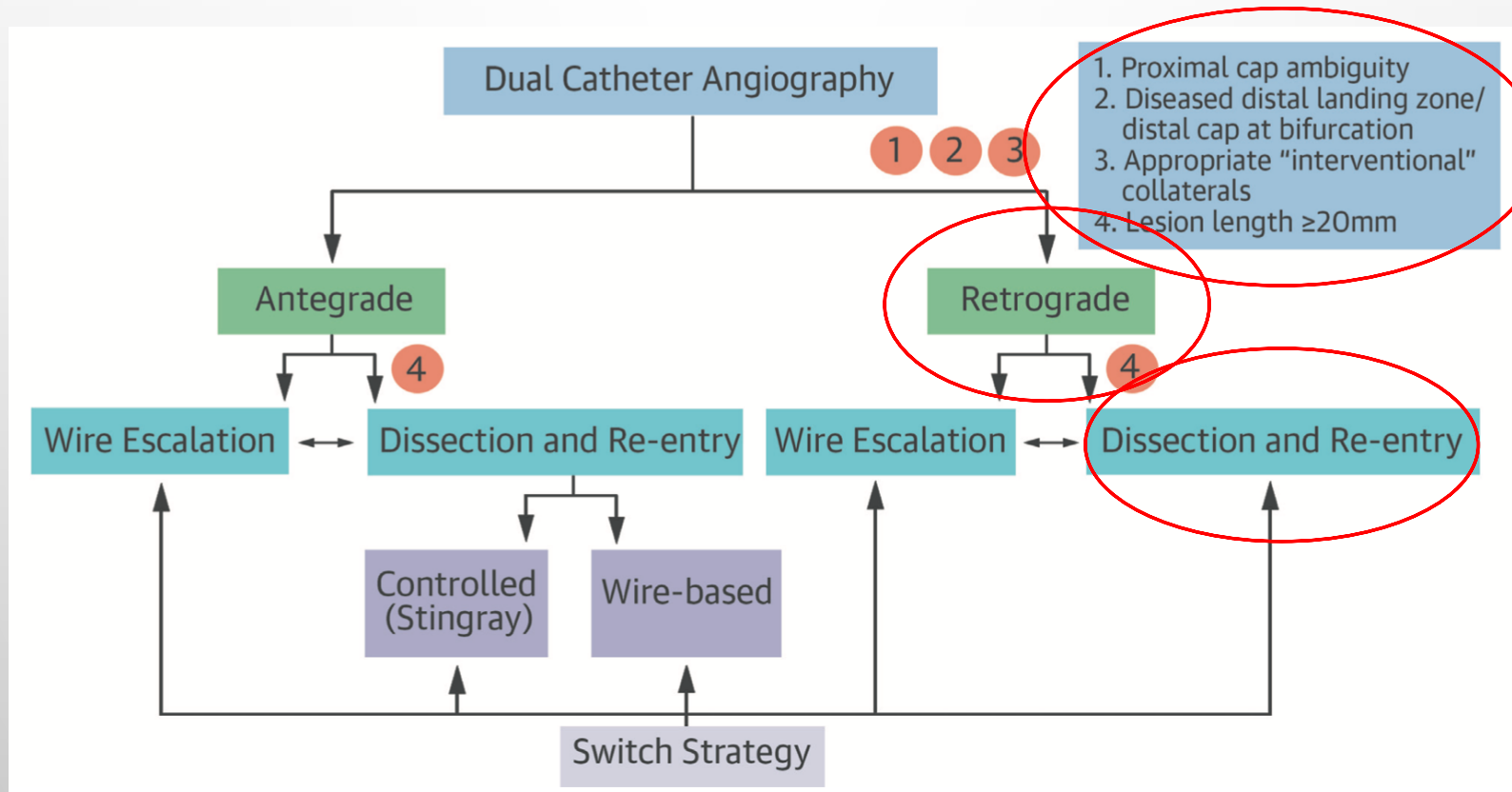


1- ANGIO ANALYSIS

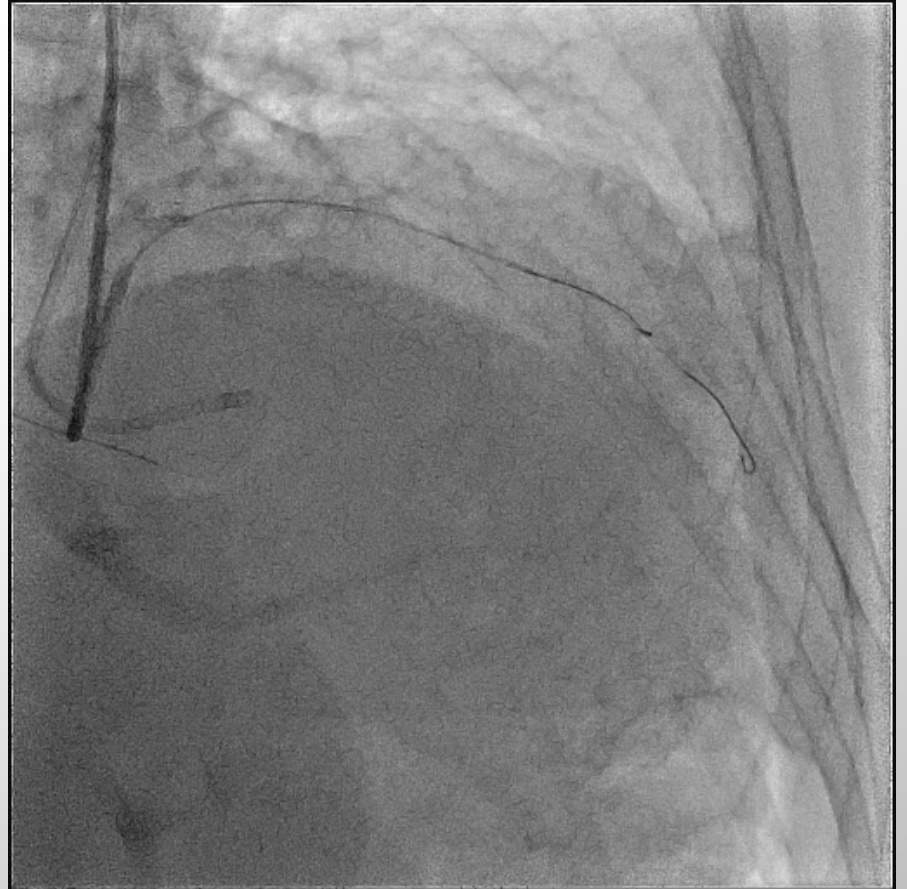
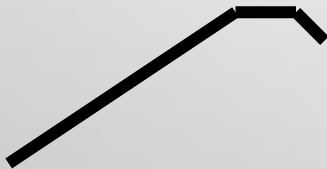
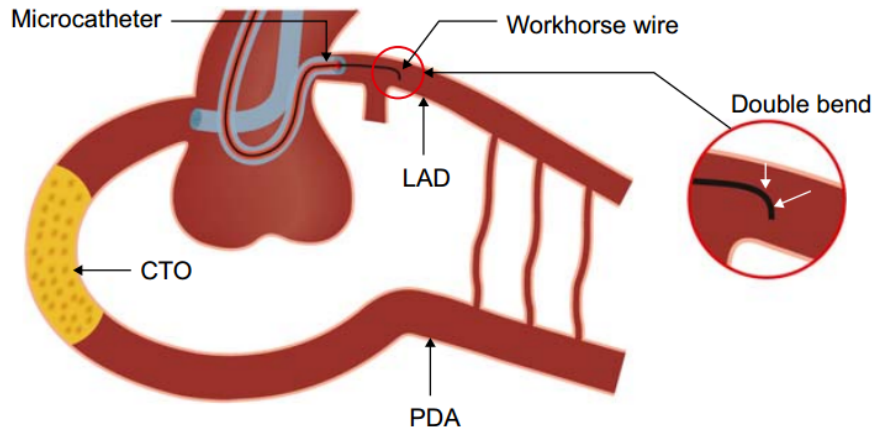


--- PROCEDURAL CHALLENGES

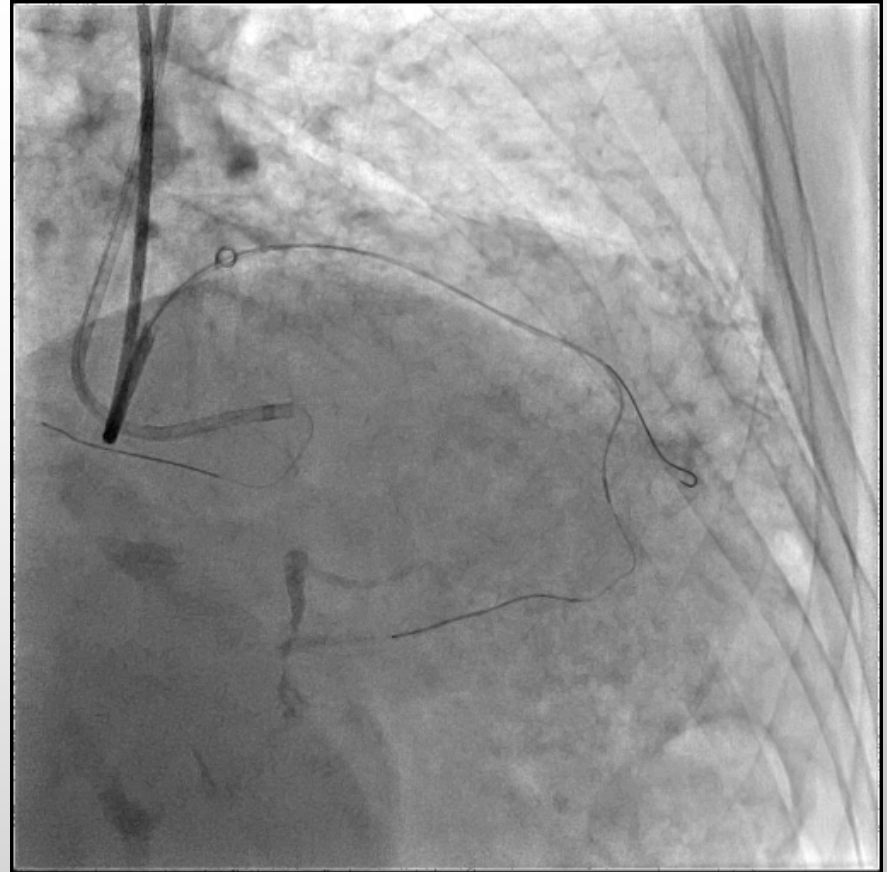
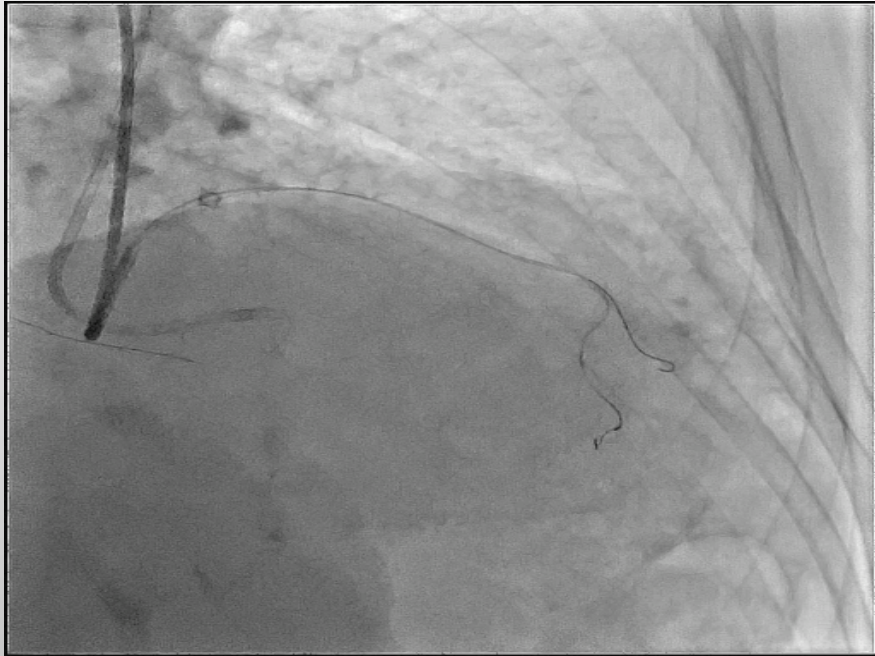
- 1. AMBIGUOUS PROXIMAL CAP**
- 2. DISEASED DISTAL LANDING ZONE**
- 3. LONG LESION**
- 4. PRESENCE OF INTERVENTIONAL COLLATERALS**
- 5. ABSENCE OF SUPPORT DUE TO UNCONVENTIONAL RCA ORIGIN**



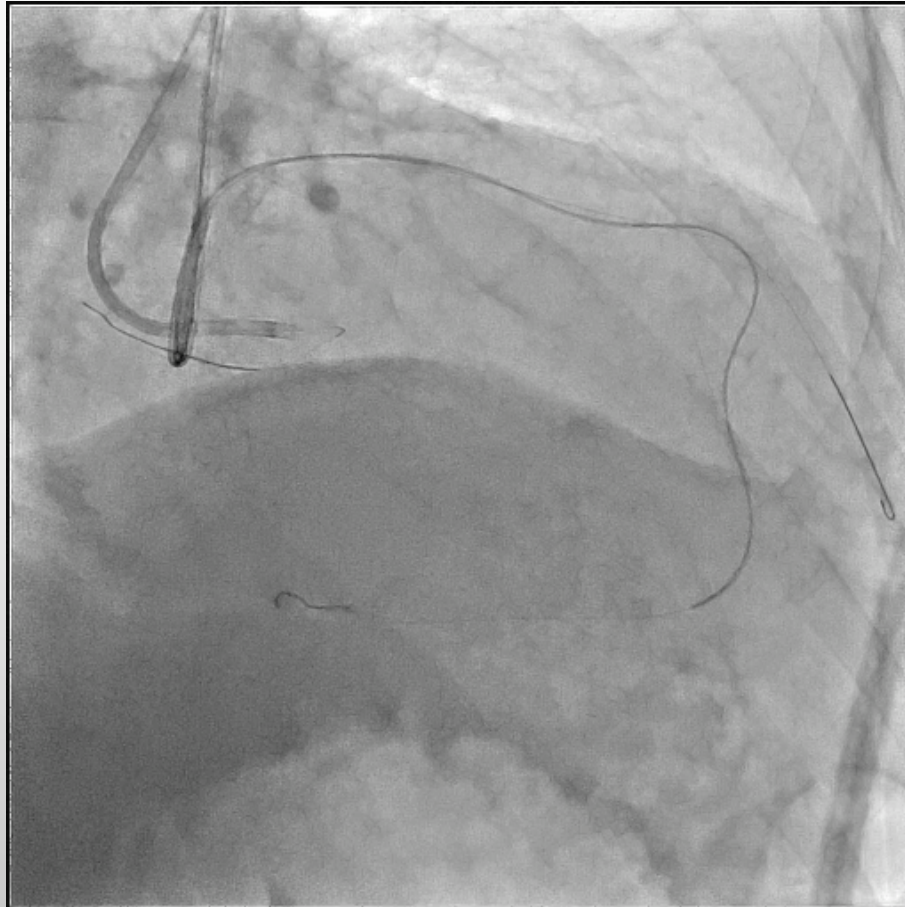
2- REACH THE COLLATERAL



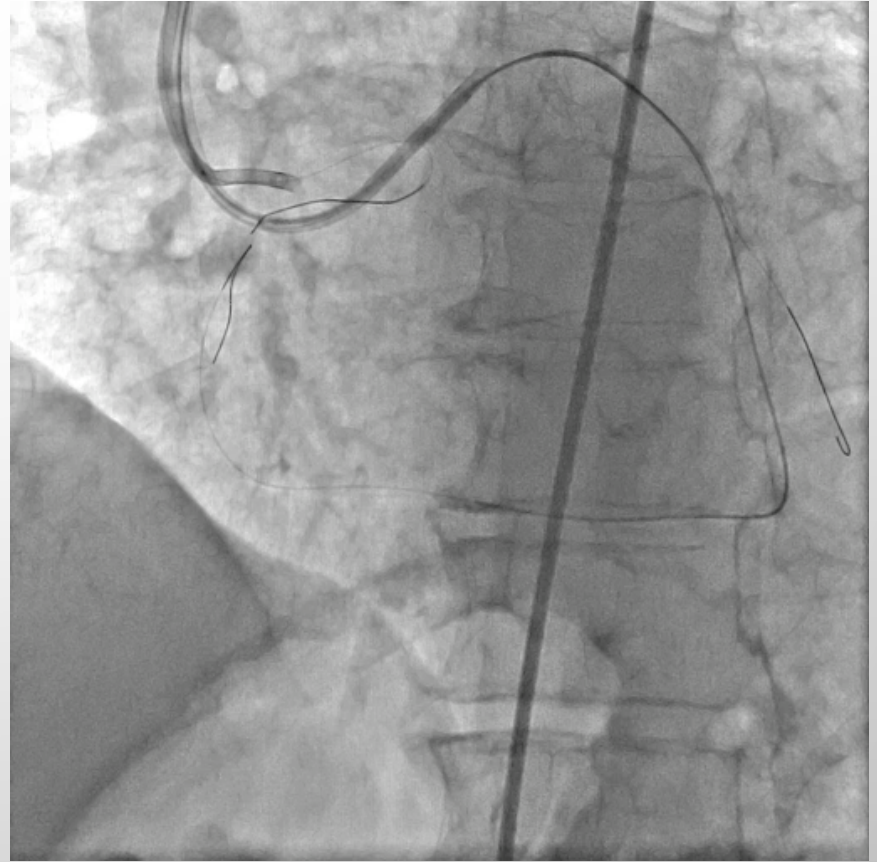
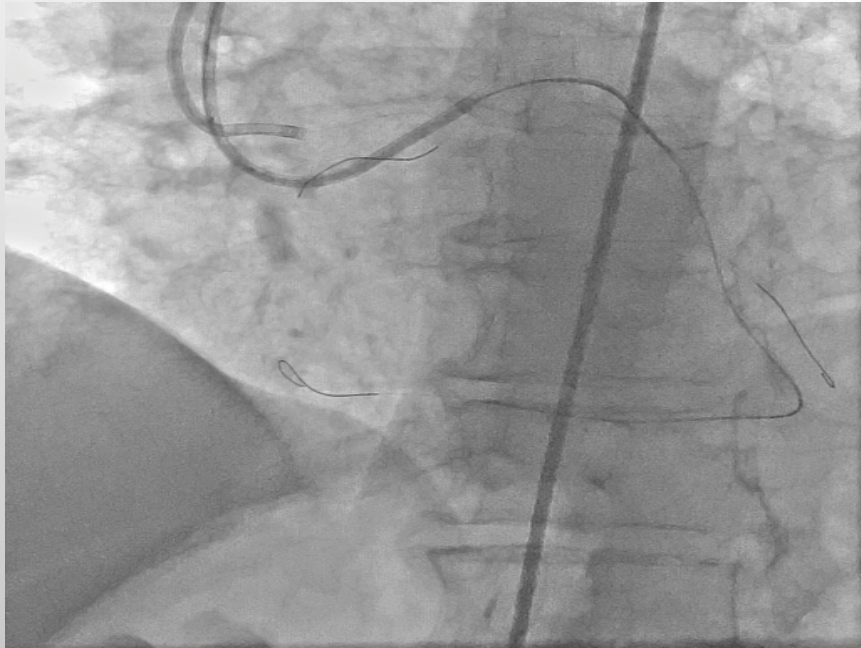
3 - CROSS THE COLLATERAL (WIRE)



4 - CROSS THE COLLATERAL (MC)



5 - CROSS THE CTO (RCART)



UNDERSTAND WIRE CHARACTERISTICS



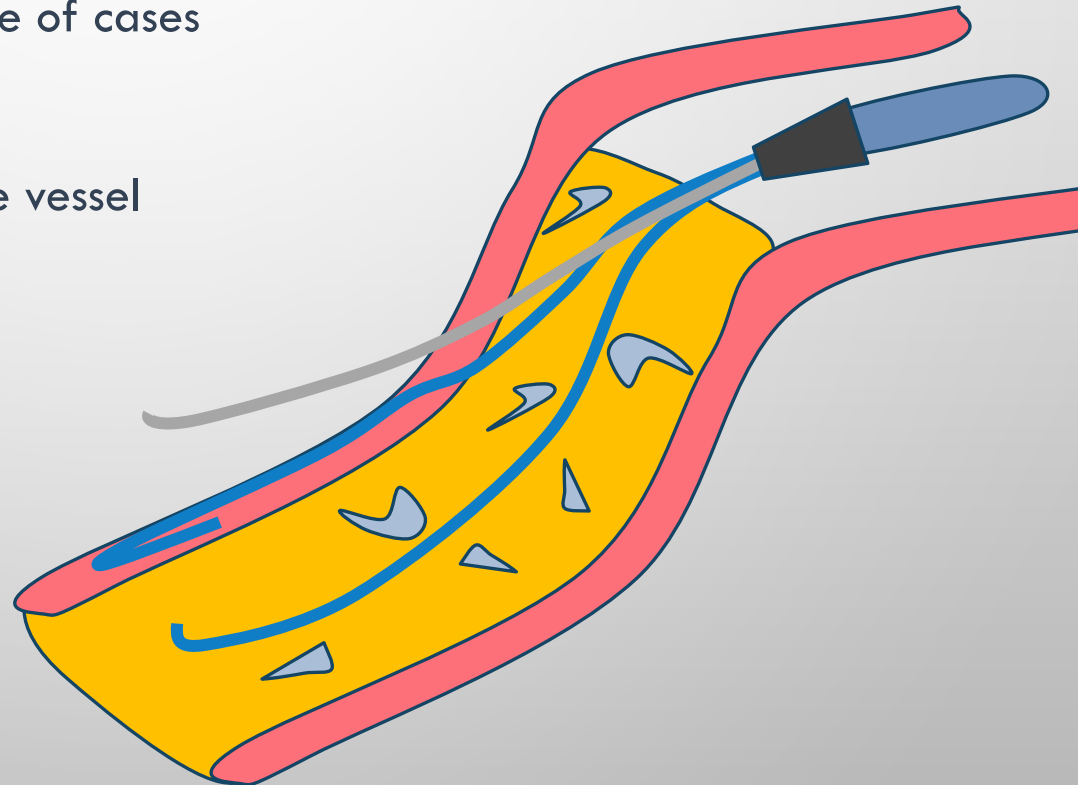
New intermediate tip load
wires with high torquability

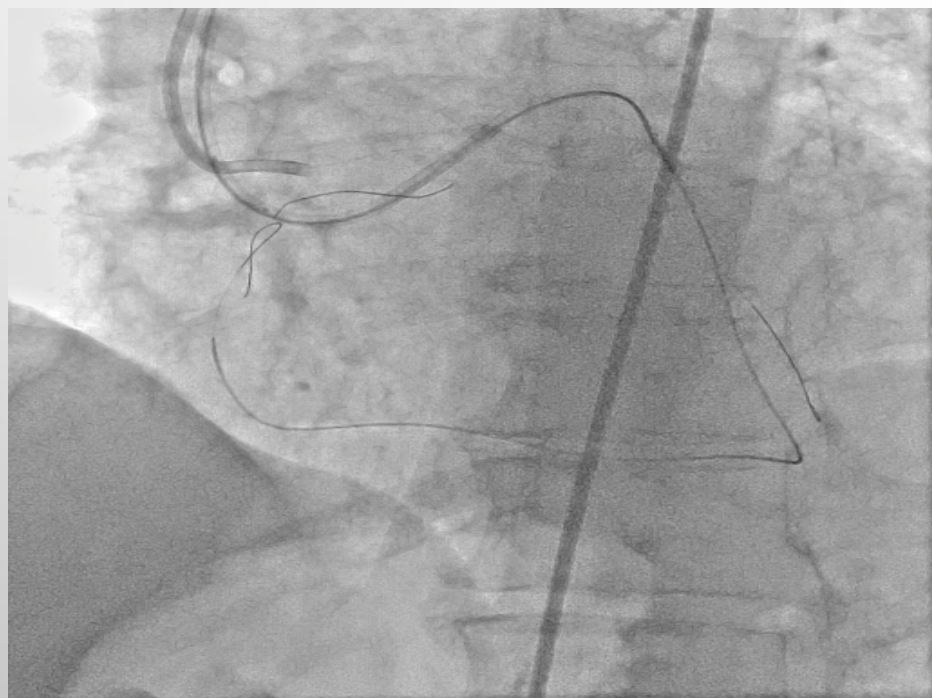


Gladius Ex-Mg

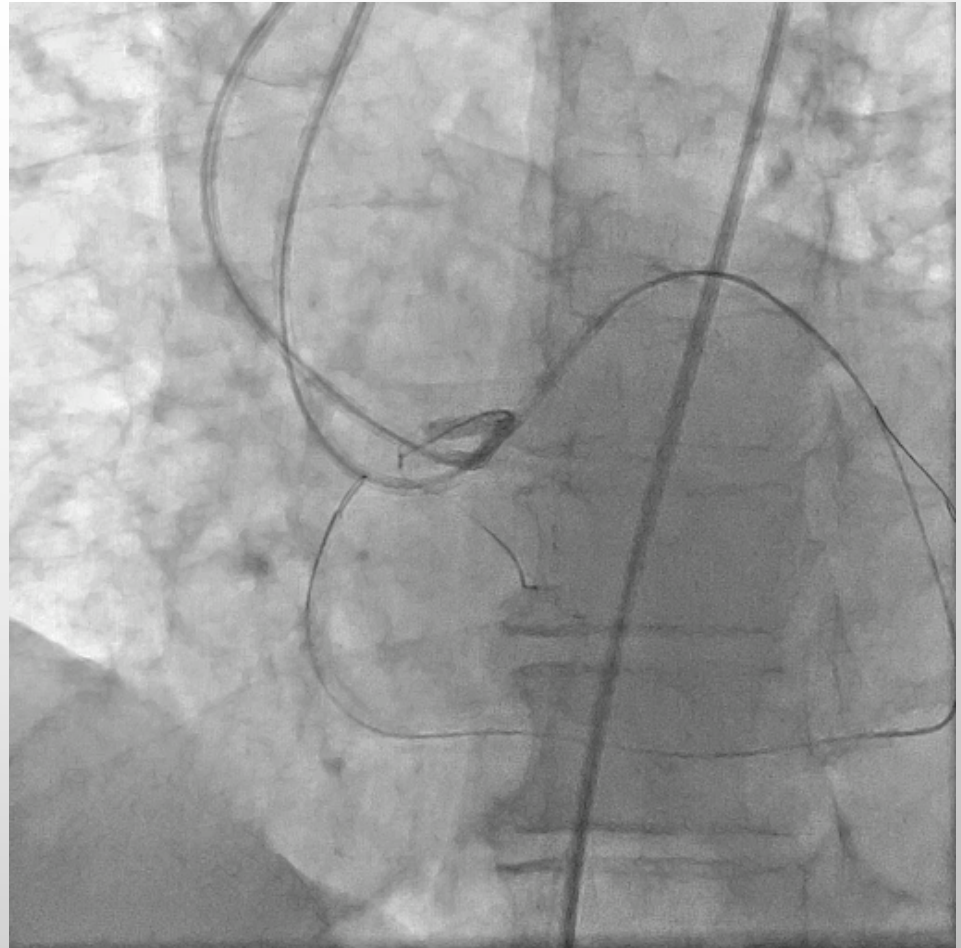
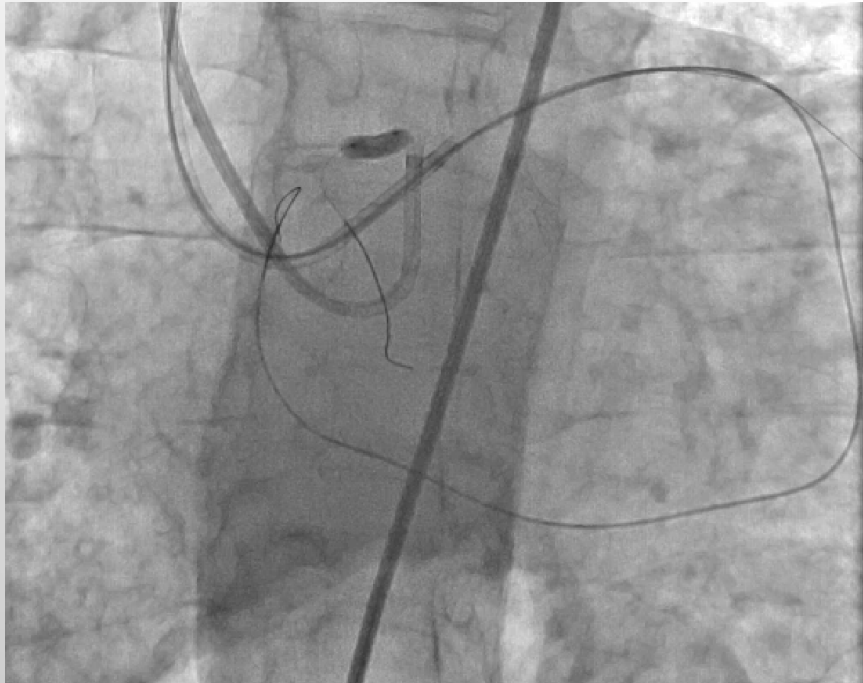
Excellent first choices in a wide range of cases

Extremely safe wires – never exit the vessel
architecture





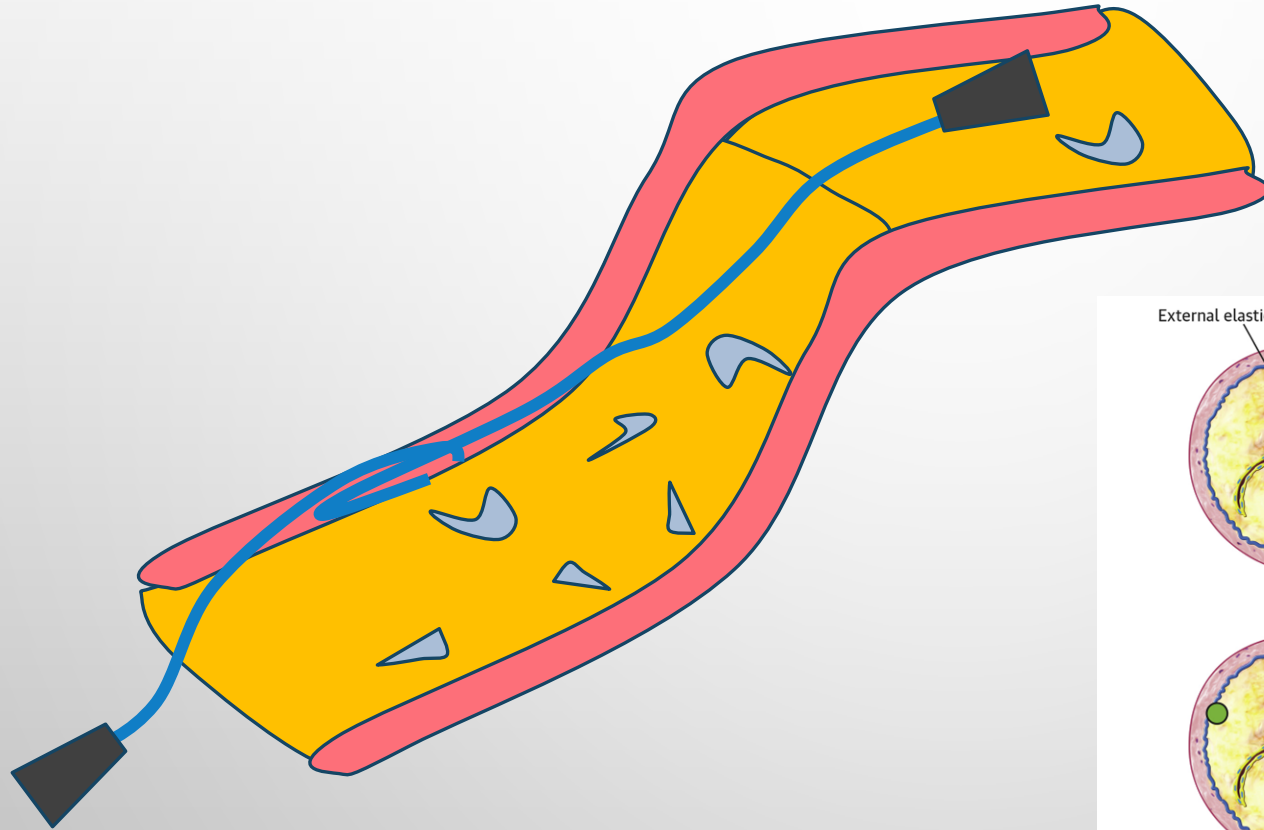
BASE: BALLON ASSISTED SUBINTIMAL ENTRY



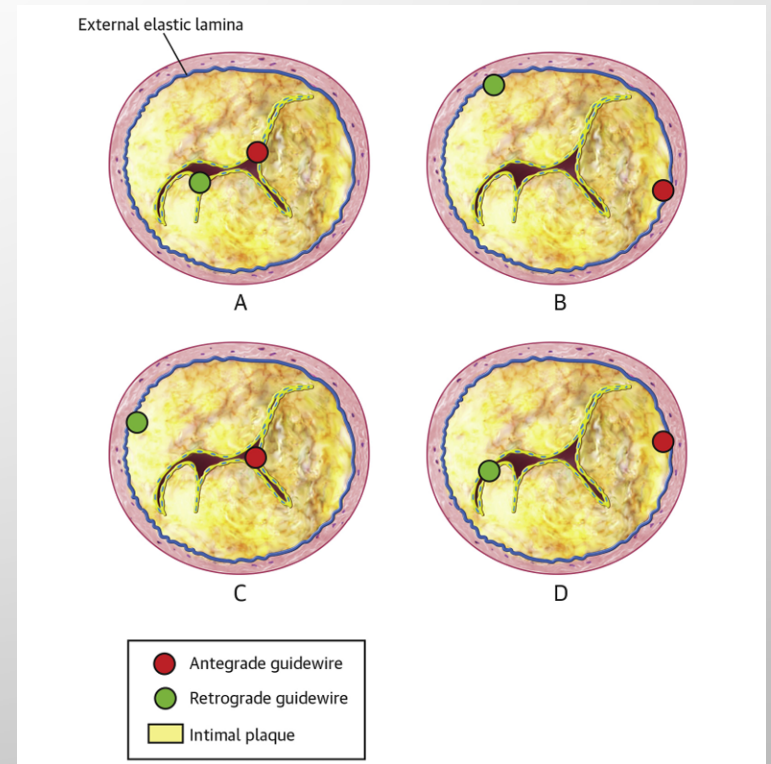


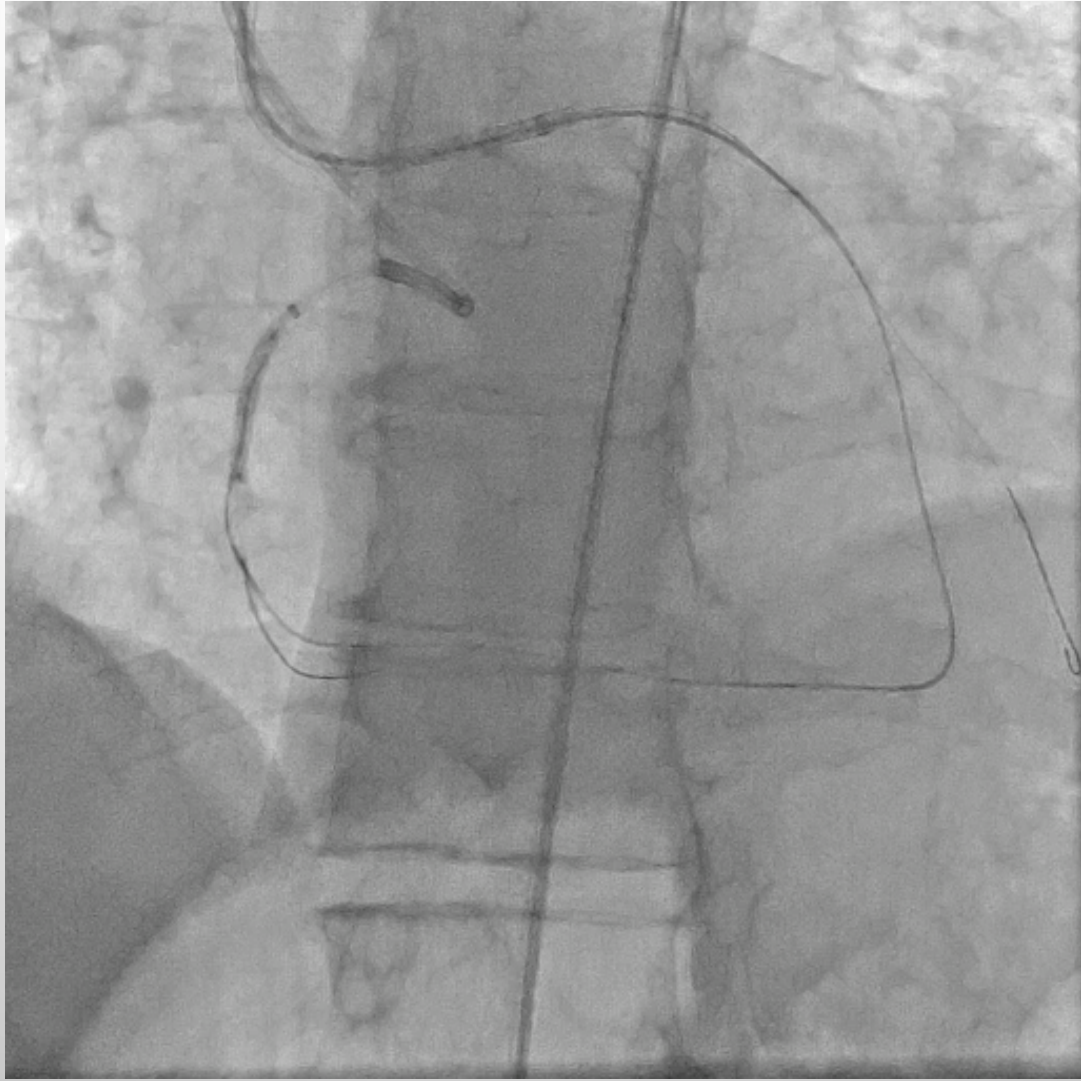
ANTEGRADE AND RETROGRADE GUIDEWIRES IN THE EXTRAPLAQUE SPACE

ANTE

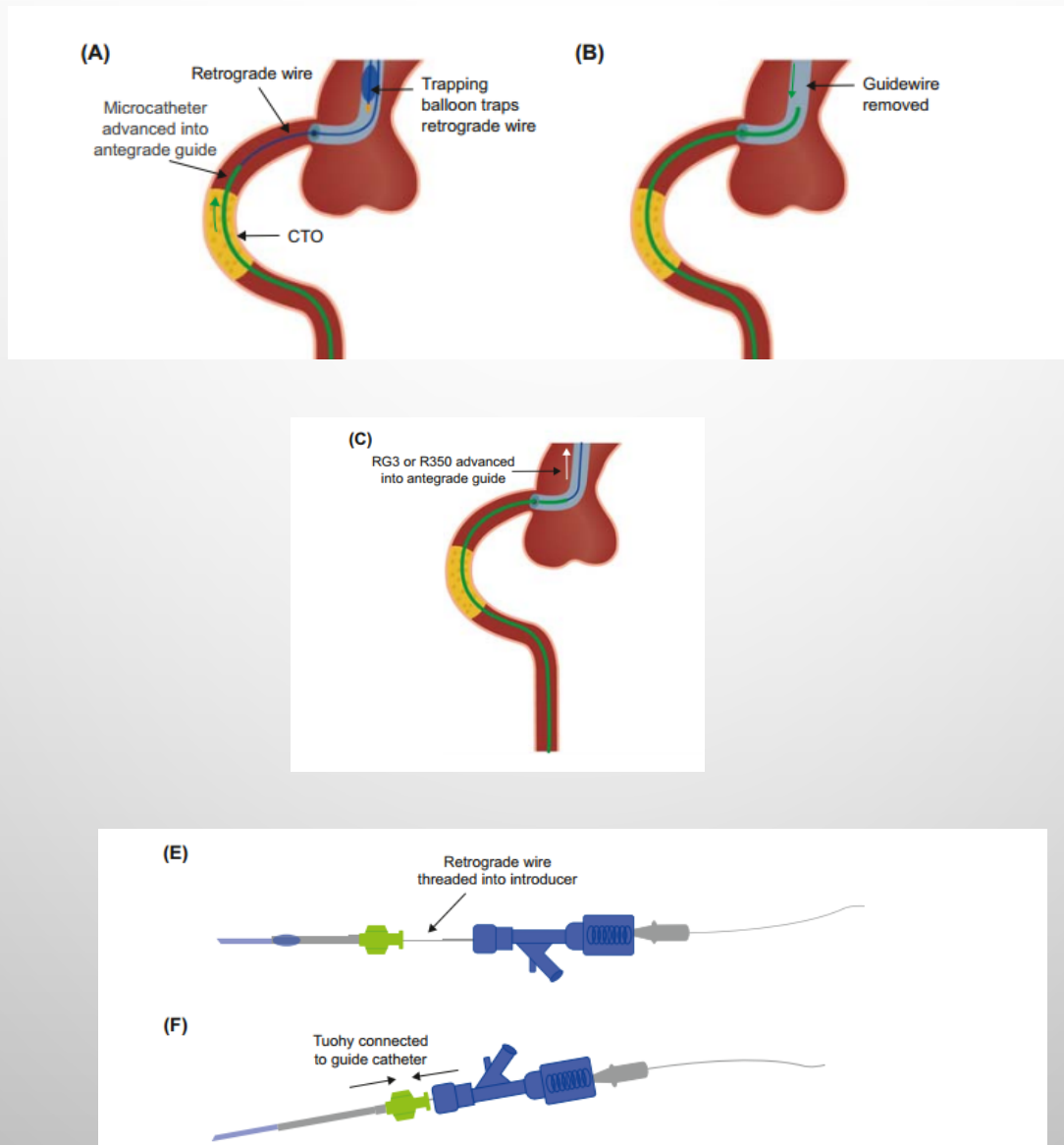


RETRO

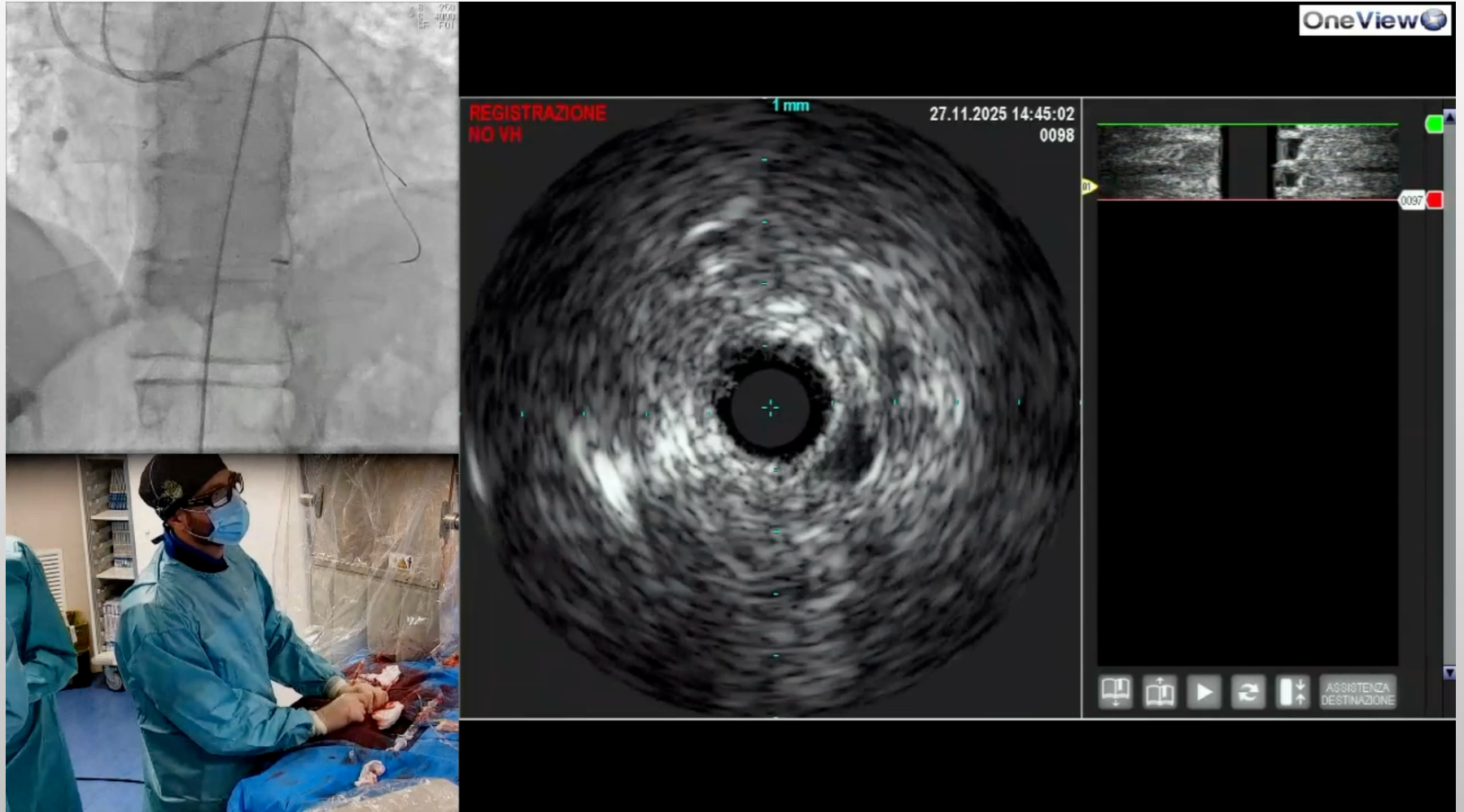




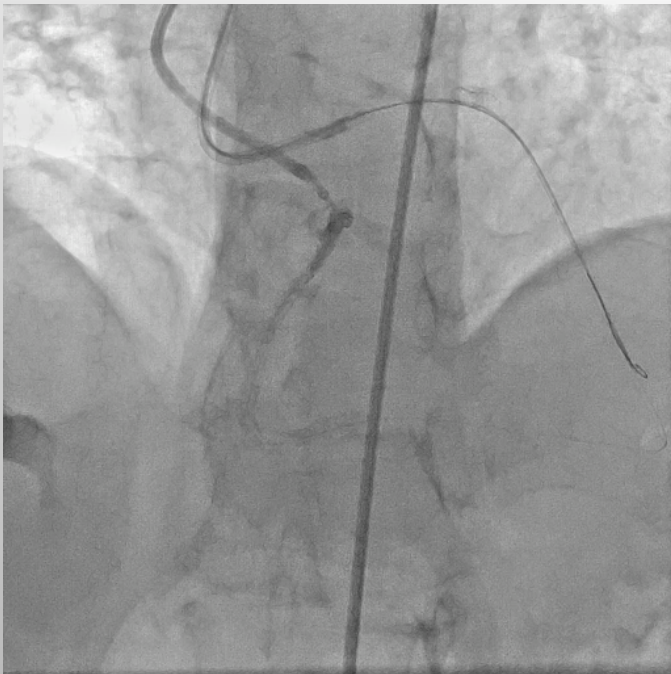
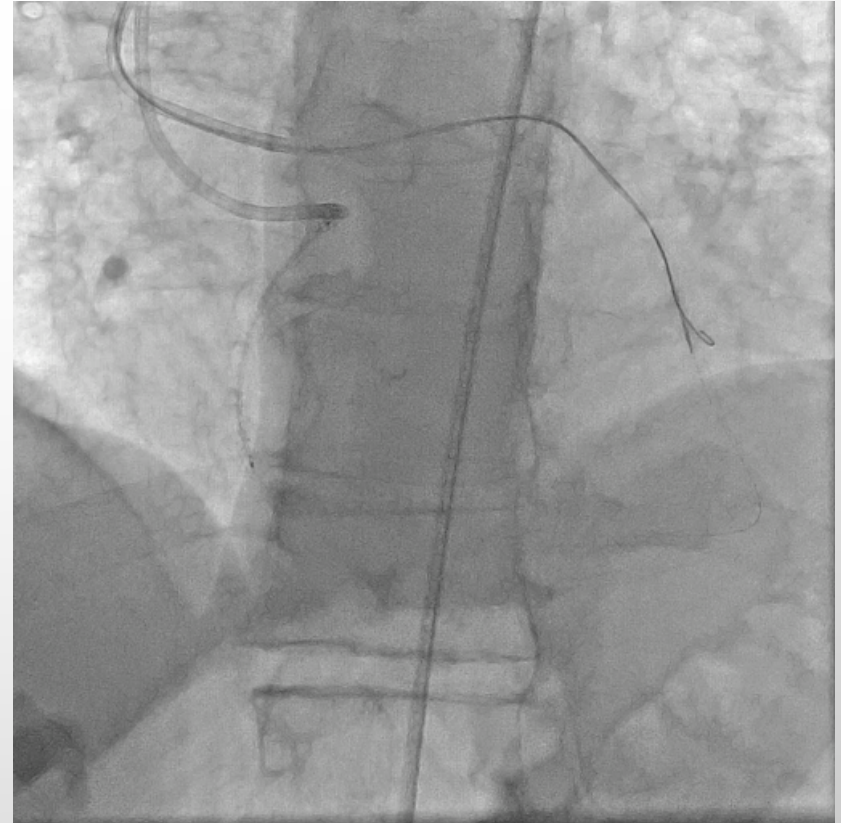
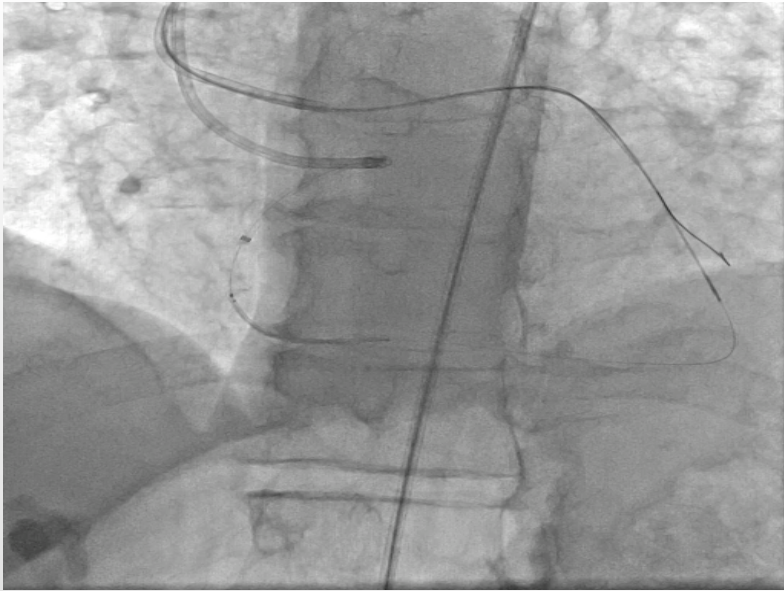
6- EXTERNALIZATION



IVUS PRE



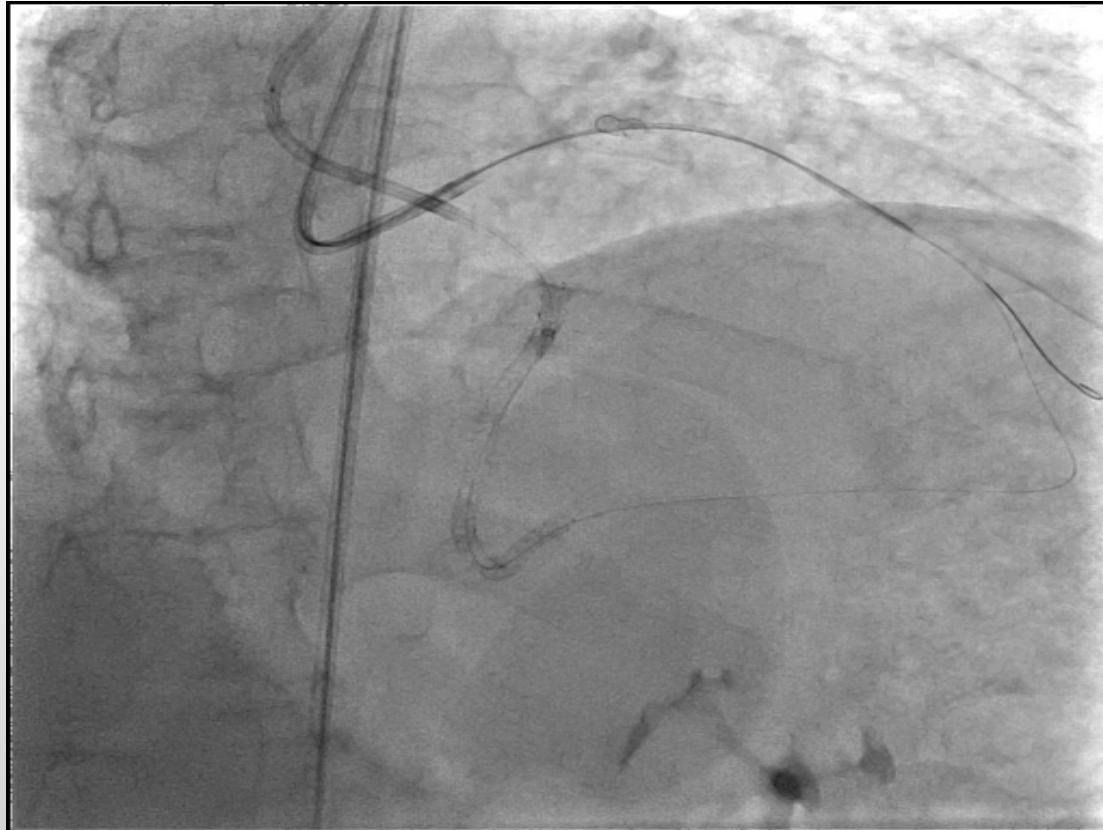
7.1- CTO TREATMENT: 3 DES



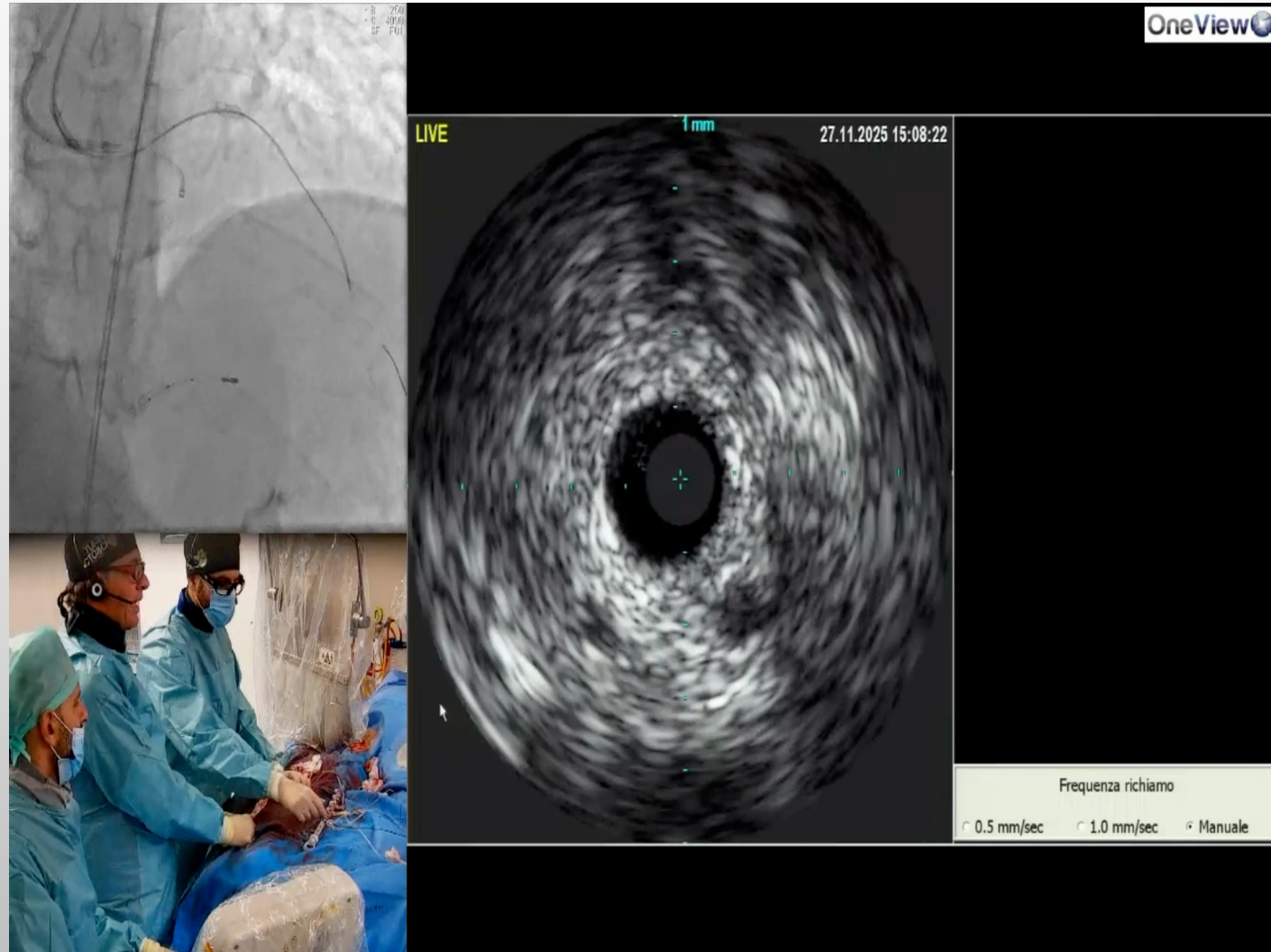
7.2- CTO TREATMENT: 1 DEB



ANGIO RESULT



IVUS POST



8- SAFE REMOVE OF THE EXTERNALIZED WIRE

- READVANCE THE RETROGRADE MC INTO THE DISTAL CTO VESSEL
- REMOVE THE RG3 WIRE KEEPING IT IN THE ANTEGRADE GC
- CHECK FOR PERFORATION
- REMOVE THE WIRE AND THE MC



Expert **D**evelopment in **G**ame-Changing **E**ndovascular procedures

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25-26
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00184 Roma

PUSHING THE BOUNDARIES OF CTO & COMPLEX PCI TRAINING

Razionale

Il corso ha l'obiettivo di formare cardiologi interventisti che vogliono approcciarsi o ampliare la loro conoscenza di tecniche e materiali per le angioplastiche complesse e le occlusioni coronariche croniche (CTO).

Speriamo che l'approccio misto con didattica frontale, hands-on zone e live cases possa stimolare la partecipazione di tutti i colleghi presenti.