

# CONTRALATERAL ANCHORING TECHNIQUE (CAT) FOR INTERVENTION OF RIGHT CORONARY ARTERY ARISING FROM THE LEFT CORONARY VALSAVA

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# Introduction

- Incidence of anomalous RCA arising from left sinus valsava : 0.05-0.1%
- Several report of the coronary intervention of this anomalous has been reported
- Proper choice of guiding catheter is essential for :
  - ▣ Optimize cannulation
  - ▣ Better support for intervention
- Guiding catheter : XB 4.0, JL 4.0, AL-1, MP1



- Sometimes it quite frustated :

- ▣ Cannulation

- ▣ Could not give support

- ▣ Time consuming

- Tips and tricks :

- ▣ Essential to make the procedure more easier

# Case Report


- A 64 yo male with history of CAD
- In 2008 :
  - ▣ Coronary angiography via a. Radialis :
  - ▣ LAD stenosis 70% at proximal segment
  - ▣ RCA stenosis 90-95% discrete at mid segment
  - ▣ PCI : guiding AL-1 (could not cannulating RCA)
  - ▣ Change several guiding → finally AL-3
  - ▣ Stent DES 3.5x14 mm at RCA, stent DES 3.5x23 mm at LAD

# Problems



- Procedure time : 70 minutes
- Flurouscopy time : 25 minutes
- Used of several guiding catheter

**TIME CONSUMING  
FRUSTATION !!!**

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- Patient came again 3 years later with angina on exertion.
  - TMT positive
  - Coronary CT :
    - ▣ Stent at LAD and RCA are patent
    - ▣ Stenosis significant at the distal RCA

# Angiography (transradial)

## Optitourqe



# Angiography (transradial)

**AL-1**

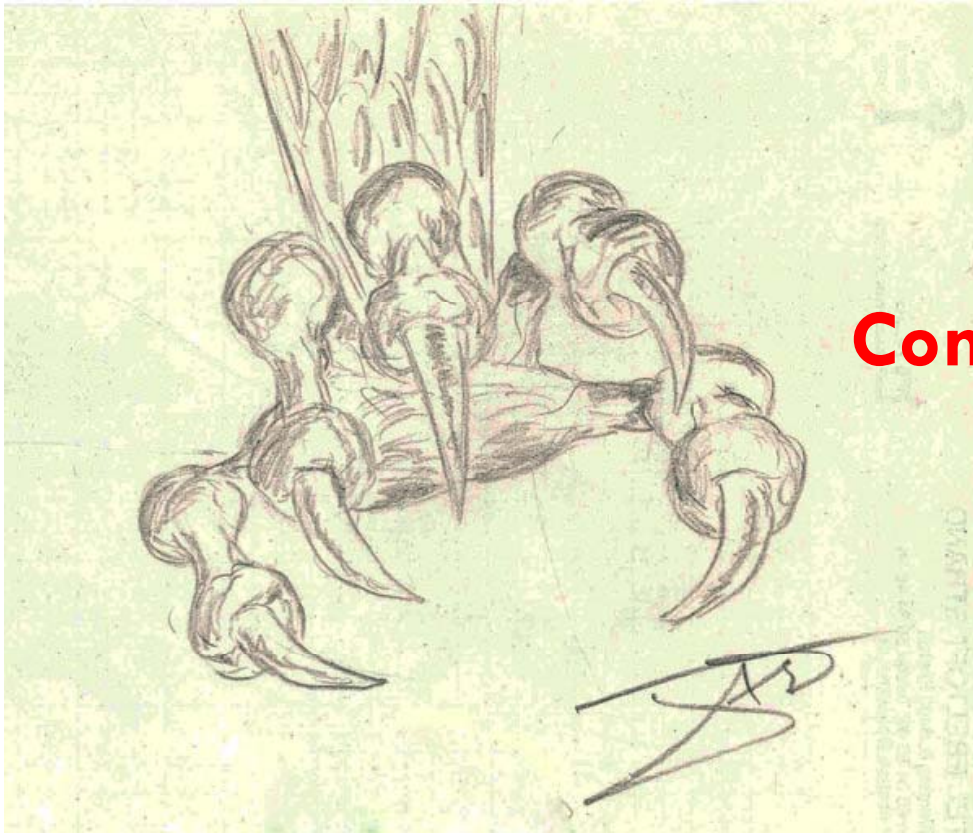


Subtotal occlusion  
at RCA distal



# How to cannulate the RCA

- Try to use XB
- Try to use AL1 or AL-3 (like previous PCI)
- Try a different methods :



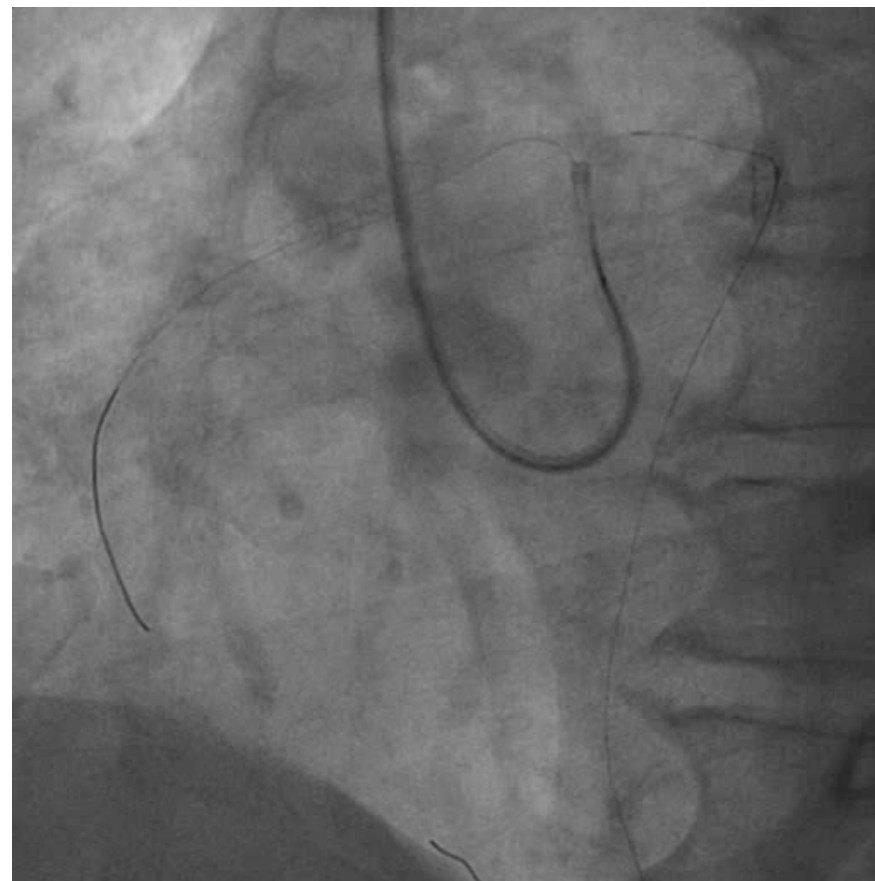
**CAT**

**Contralateral Anchoring Technique!!!**

GW Rinato to LAD for anchoring

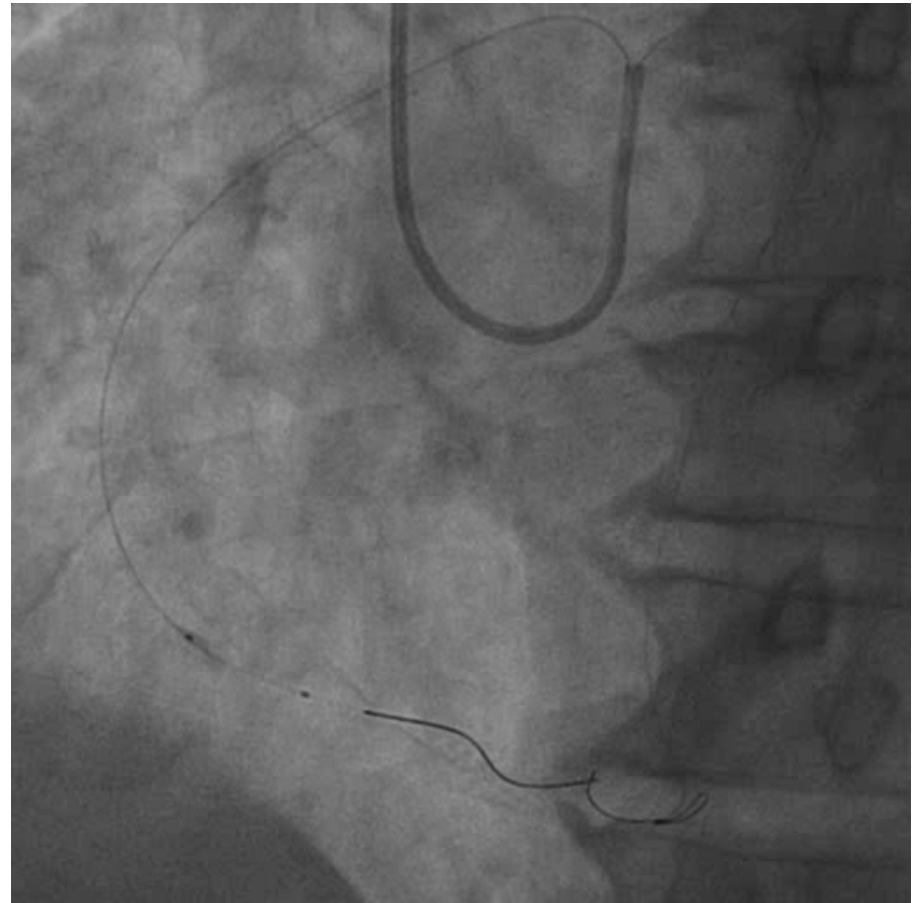
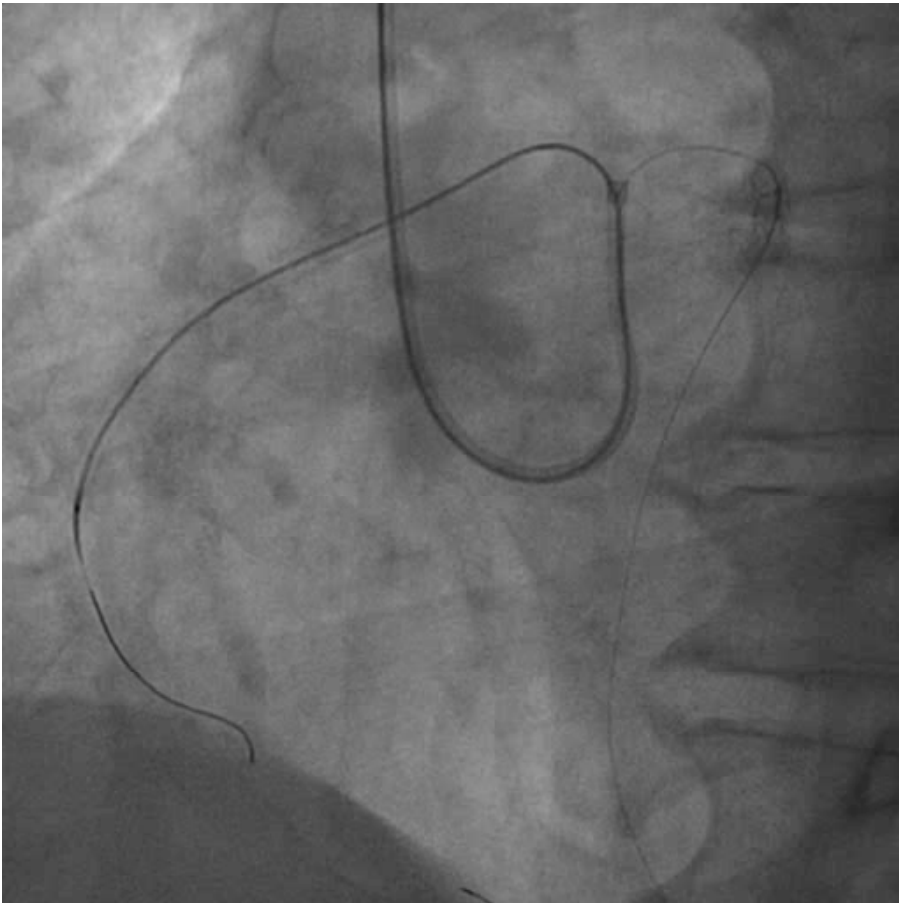


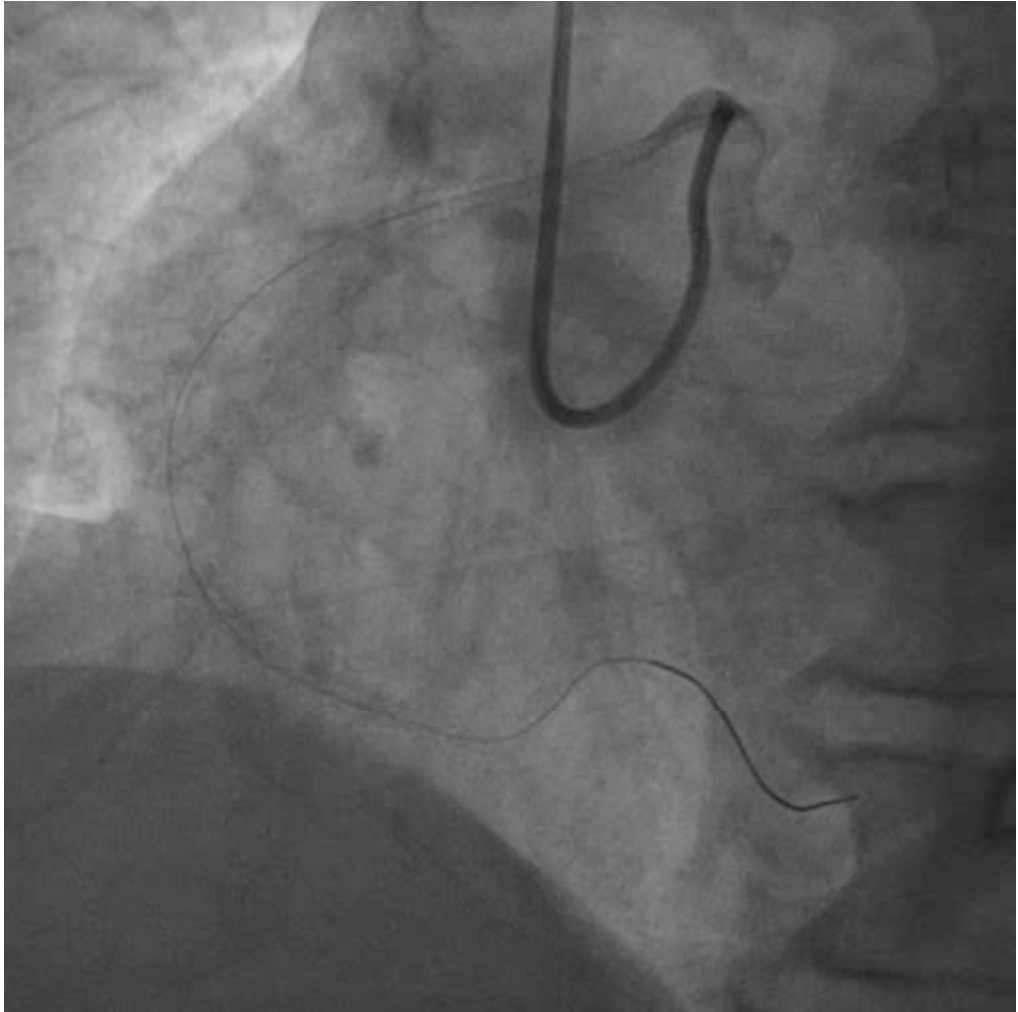
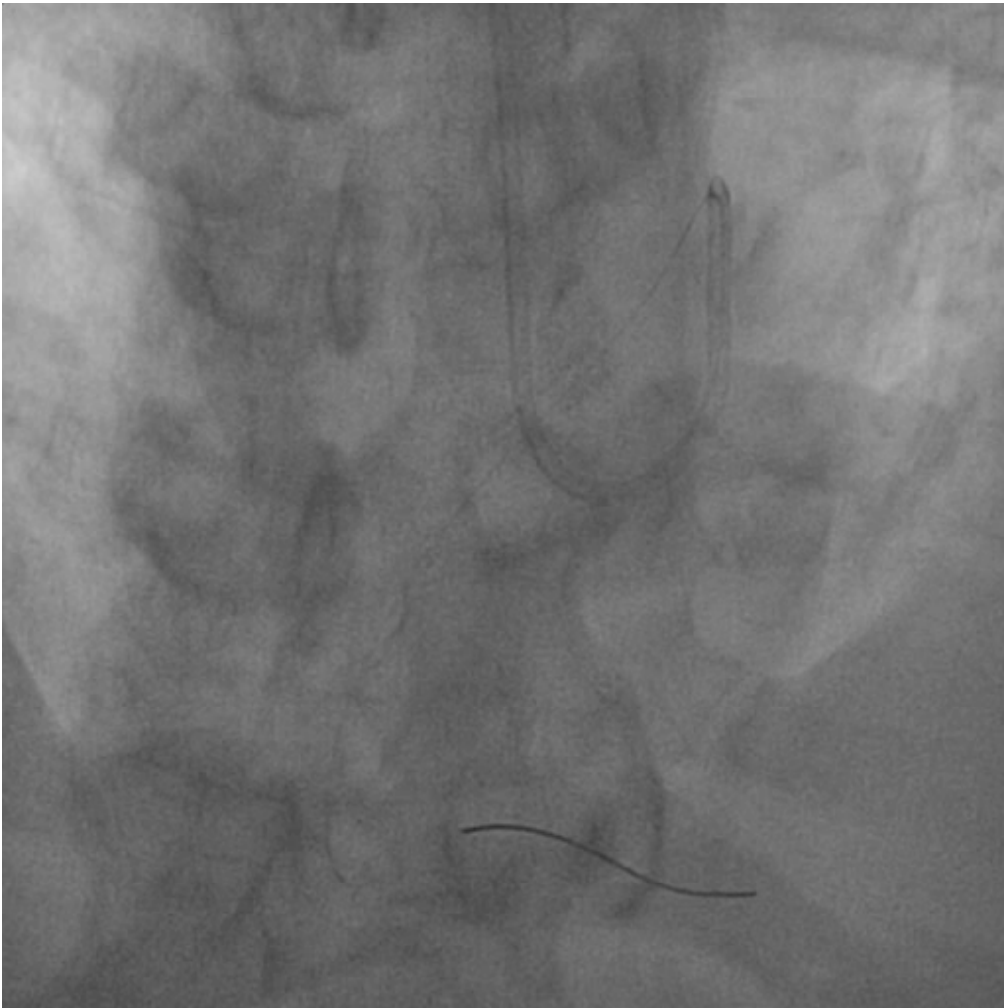
GW Sion to RCA but could not cross the subtotal occlusion at distal RCA



# Very stable guiding support

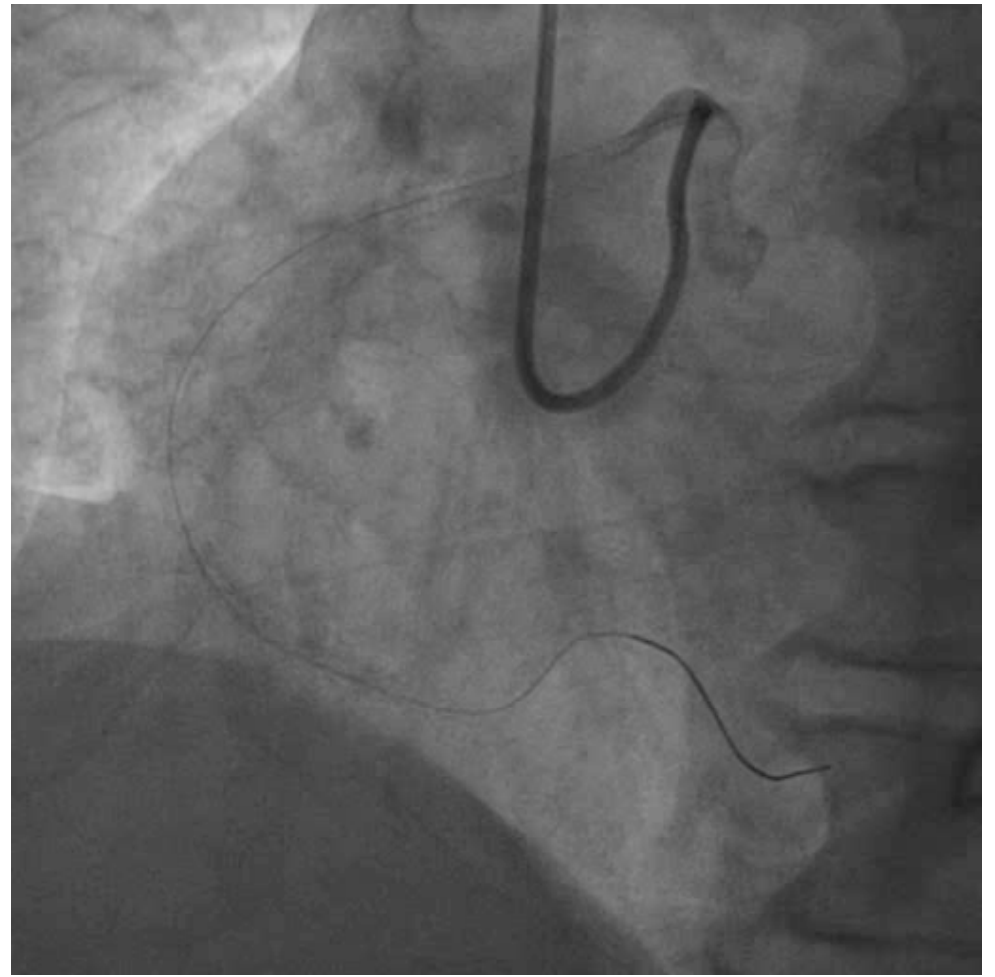
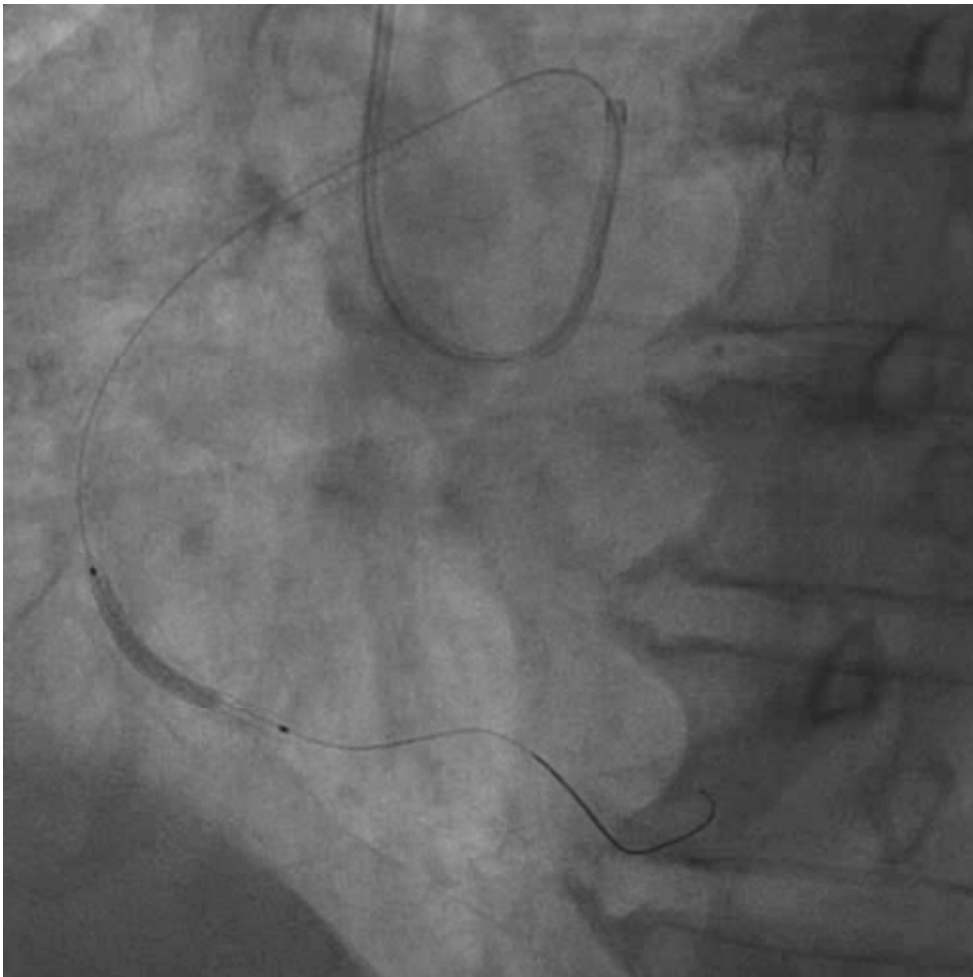
Microcatheter Corsair






# Final result

DES Biomatrix 2.5x28 mm, 8 atm





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- Procedure time : 39 minutes
  - Fluoroscopy time : 16 minutes
  - Pt was discharged the next day
  - F-up 6 month
    - ▣ Symptoms free
    - ▣ TMT negative ischemic response
    - ▣ Echocardiography : EF 83%

# Take home message



- Intervention for anomalous origin of RCA ostium from the left sinus valsava is very challenging.
- Cannulation and guiding support are very important for such cases.
- Using the technique of CAT (Contralateral Anchoring Technique) provide easy cannulation and better guiding support for the coronary intervention