A complex STEMI case



Fahim H. Jafary, M.D., F.A.C.C., F.S.C.A.I.

Diplomate, American Board of Medicine – Cardiovascular Diseases & Interventional Cardiology Diplomate, Certification Boards of Nuclear Cardiology & Cardiovascular CT

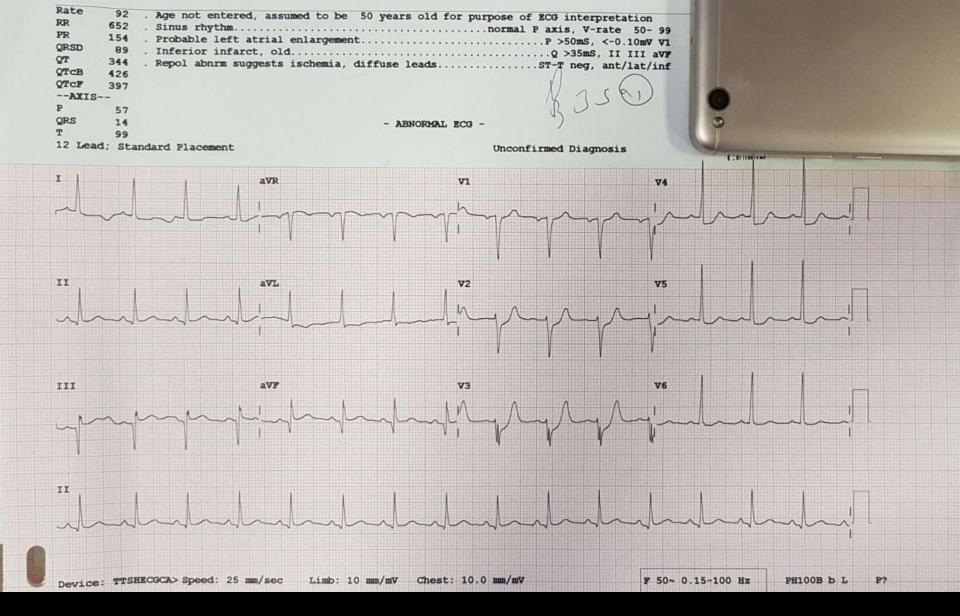
Senior Consultant
Department of Cardiology
Tan Tock Seng Hospital, Singapore



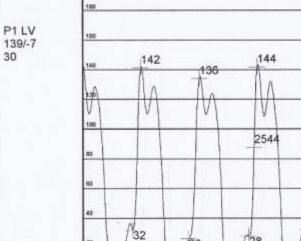
Case

- 69 year-old man, former smoker
- Severe pain between shoulder blades after argument with wife
- On arrival SBP 140 mm Hg, pulses equal, CXR no mediastinal widening
- EKG showed this









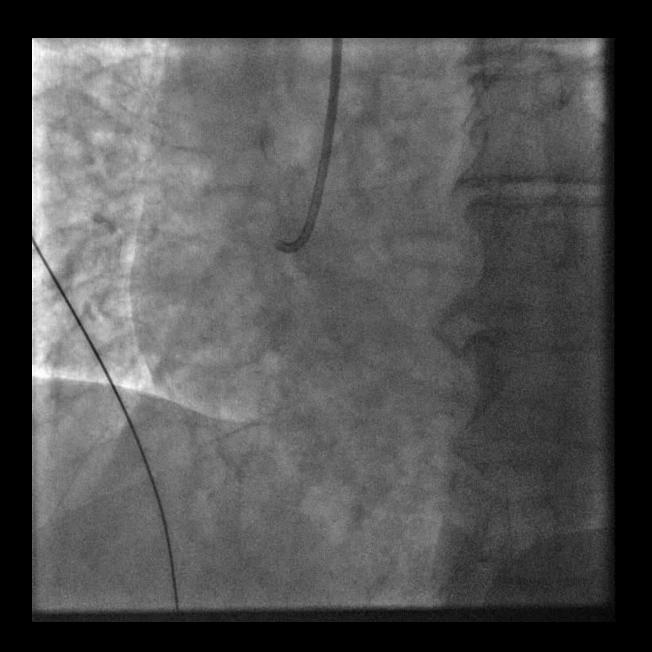
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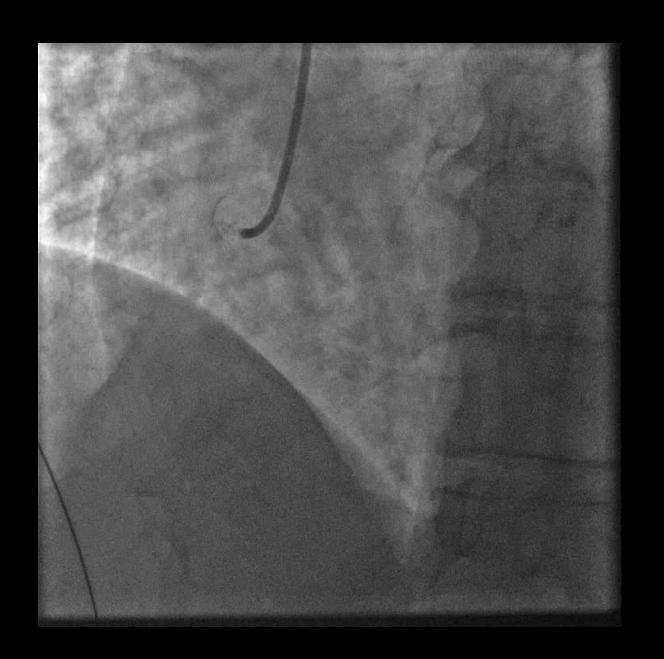
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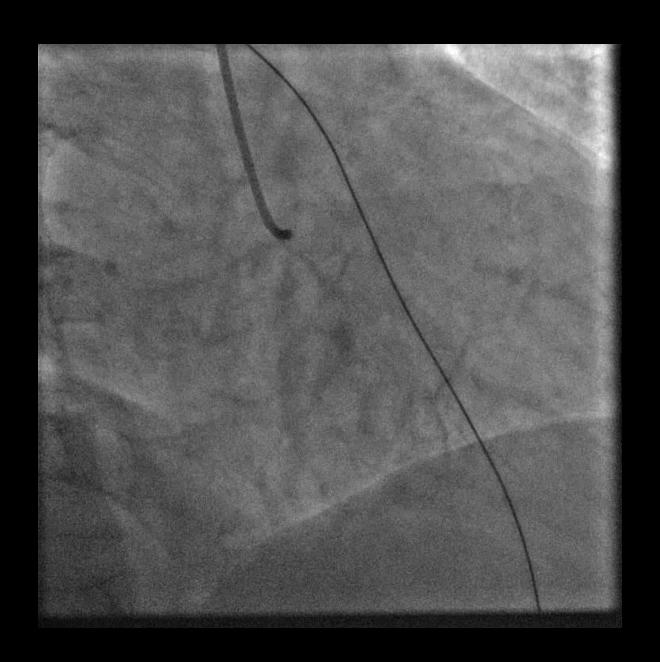


- RCA subtotally occluded, with impaired flow
- Acute or chronic?













LCx subtotally occluded with impaired flow





• LAD severely diseased but TIMI 3 flow.



Hmmmm

Still having 8/10 pain What do I fix?





Hmmmm

Still having 8/10 pain What do I fix?

Options

- A. Fix the RCA
- B. Fix the LCx
- c. Fix the LAD
- D. Fix 'em all
- E. Send for CABG?



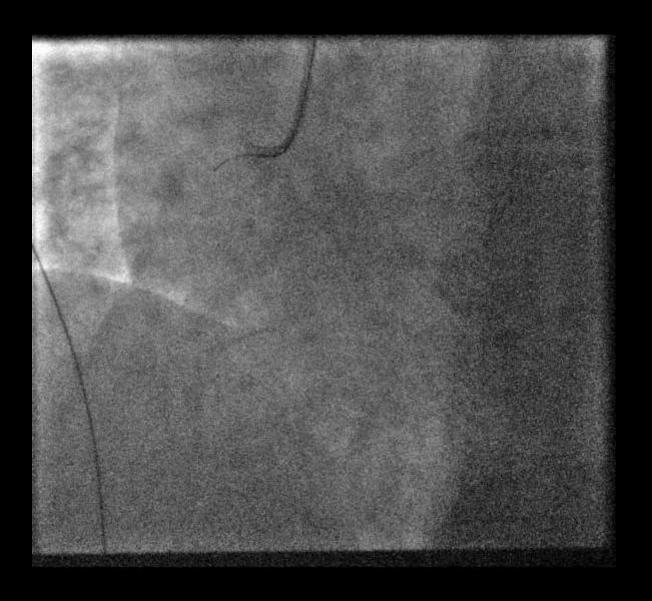


My thoughts

- He's having 8/10 pain
- LAD has TIMI 3 flow so less likely culprit
- Fix RCA then reassess

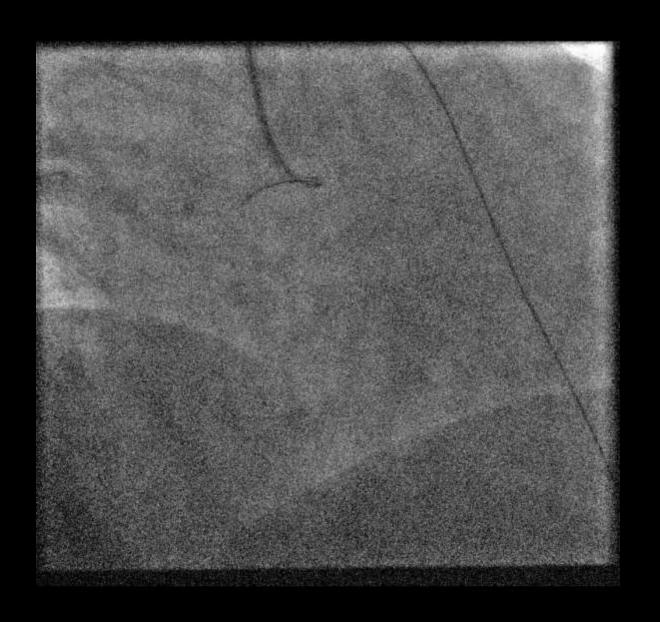




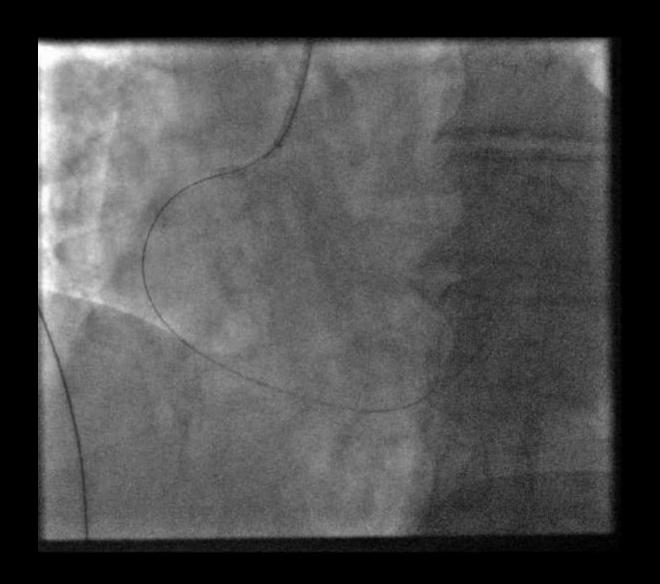


- Transradial approach
- RCA wired with Fielder XT-A wire

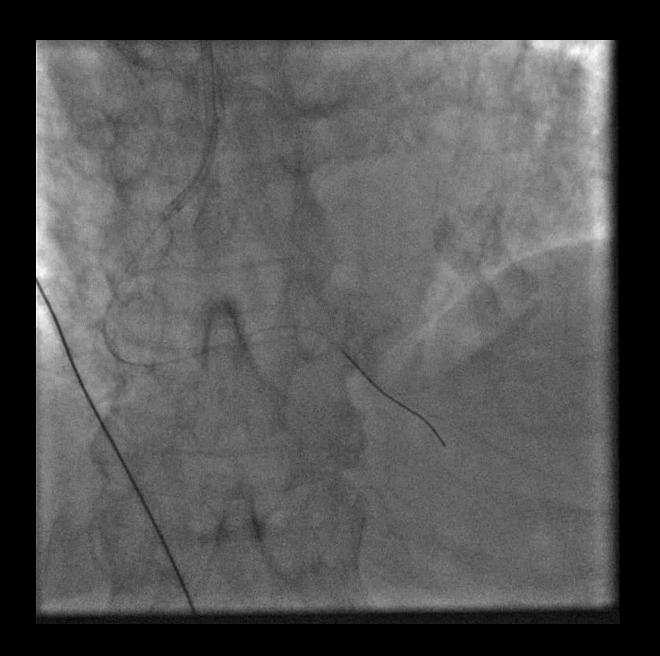






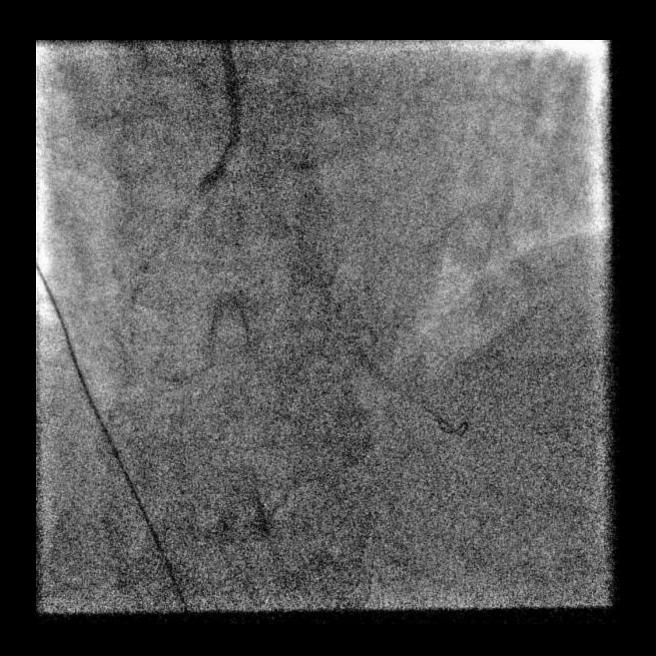


 Sapphire 1.0 x 10 mm compliant balloon crossed with a bit of difficulty



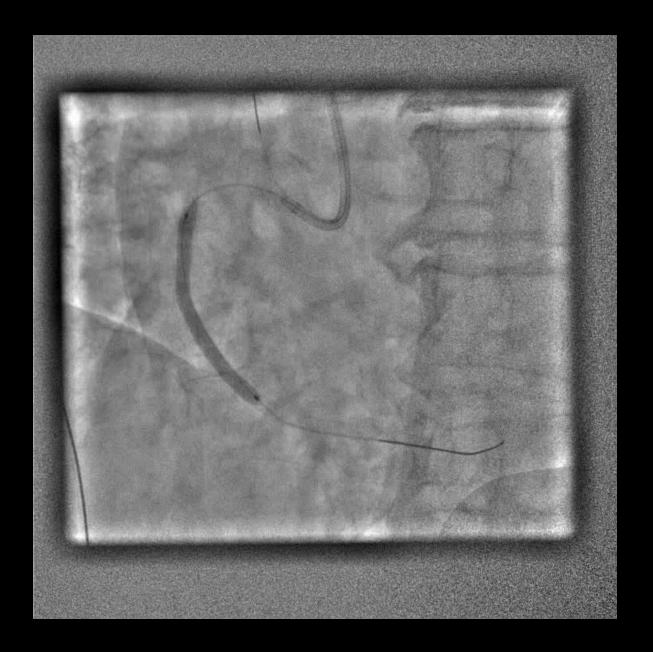
 After swapping wires, dilatation with 1.0 then 2.0 mm balloons





 Orsiro 2.5 x 40 mm drug-eluting stent





 Orsiro 3.0 x 40 mm drug-eluting stent





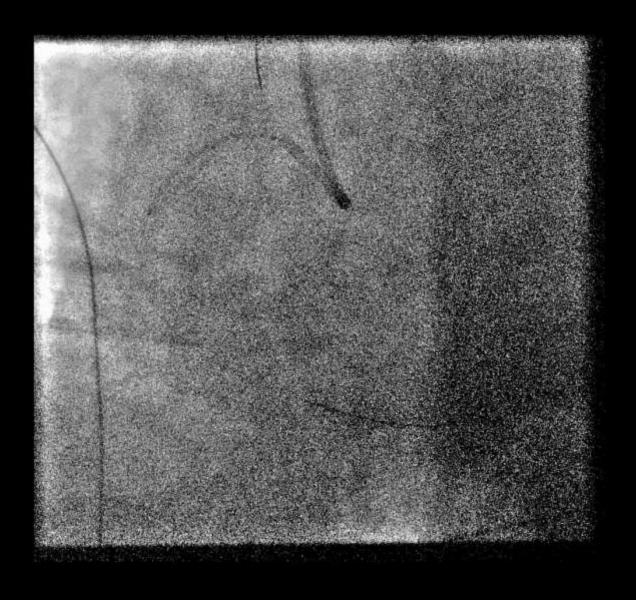
- Anchor wire in aorta to enable ostial RCA stenting accurately
- Orsiro 3.5 x 26 mm stent
- Ostial RCA stent positioning in spider view





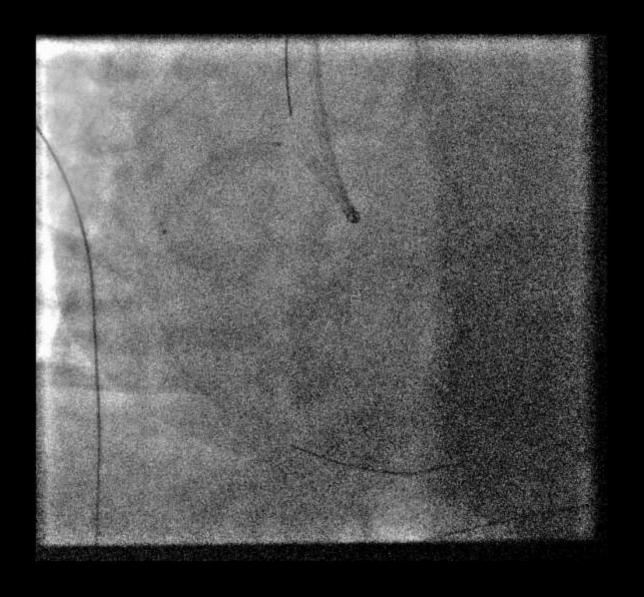
- Orsiro 3.5 x 26 mm stent
- Placing ostial RCA stent in LAO cranial view





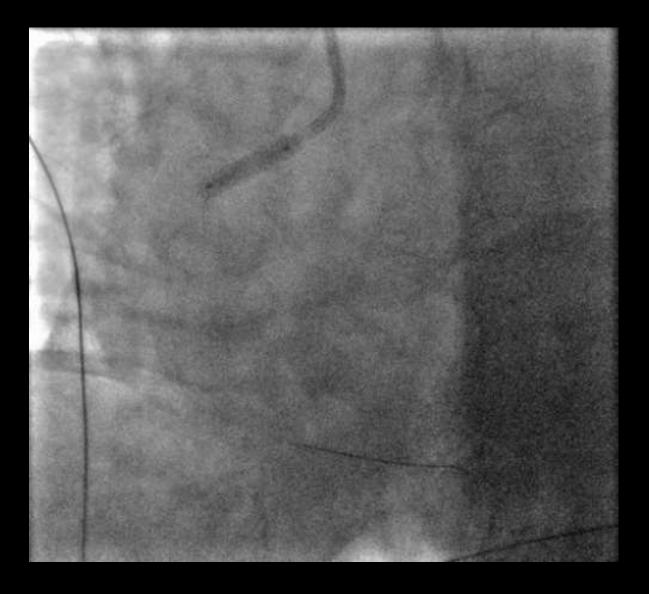
Stent inflation





 Anchor wire allows the stent balloon to be pulled back easily without guide getting sucked in





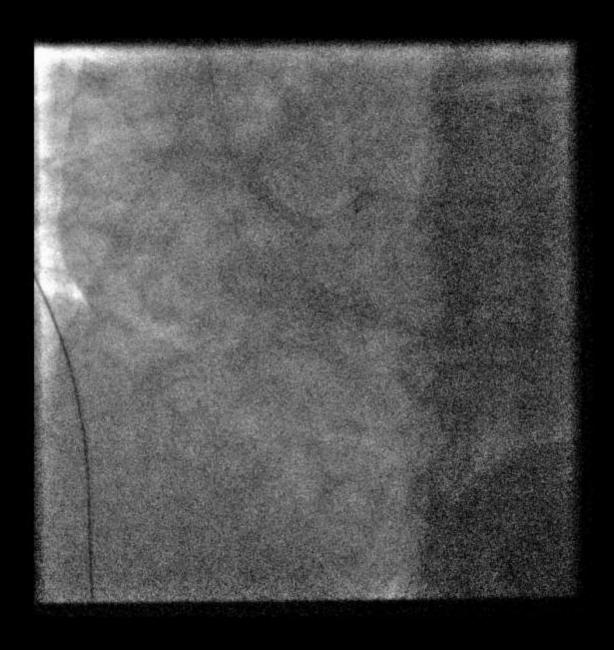
- Post dilated the stent with 3.0, 3.5 non-compliant balloons
- Ostial RCA flared with 4.0 mm non-compliant balloon



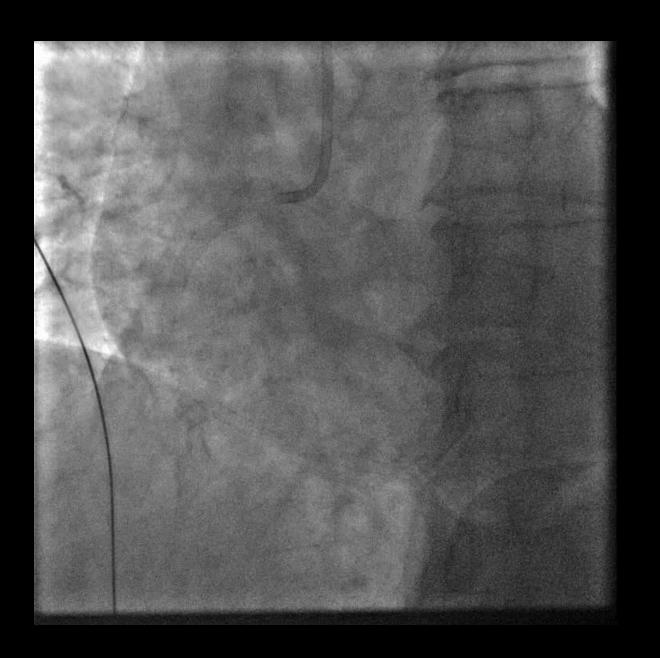


 Then patient coughed and everything came out !!



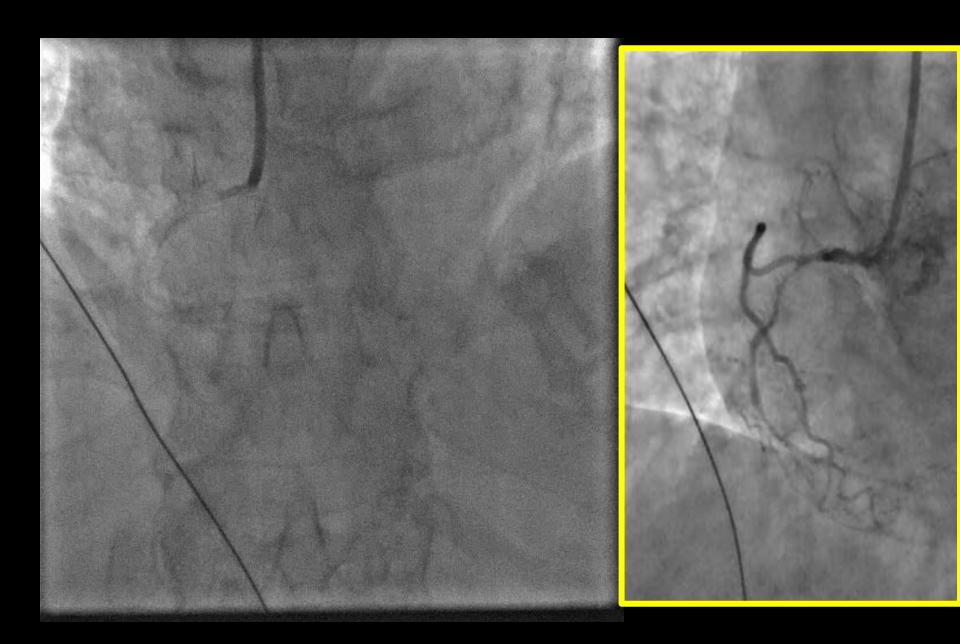


 Re-engagement of RCA with ostial stent quite easy

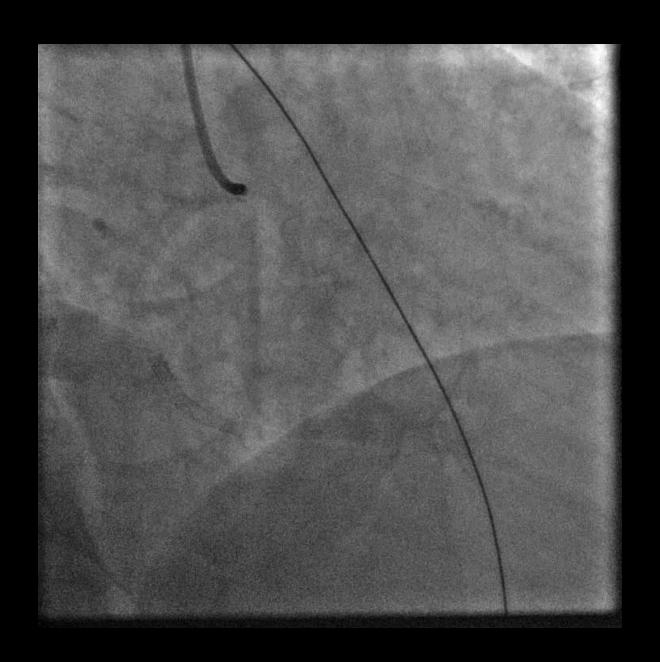


Final







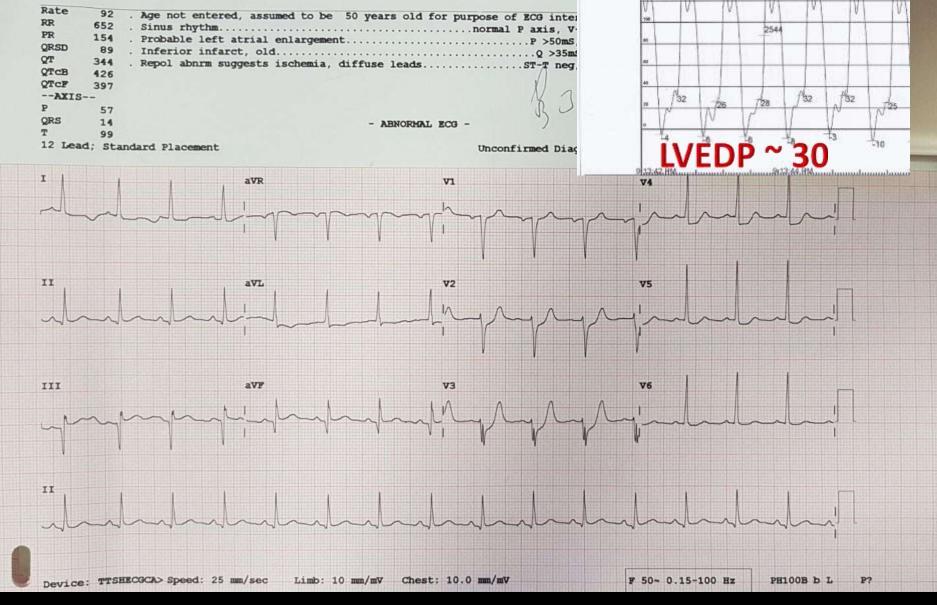




Did we do the right thing?

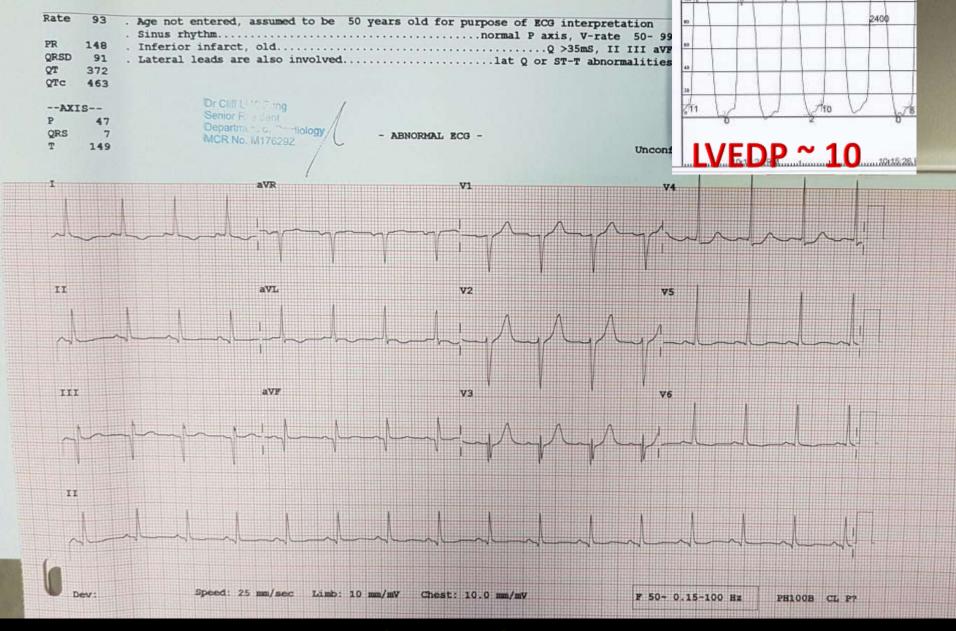
- Subjectively, patient chest pain free
- Objectively





EKG and LVEDP (before)



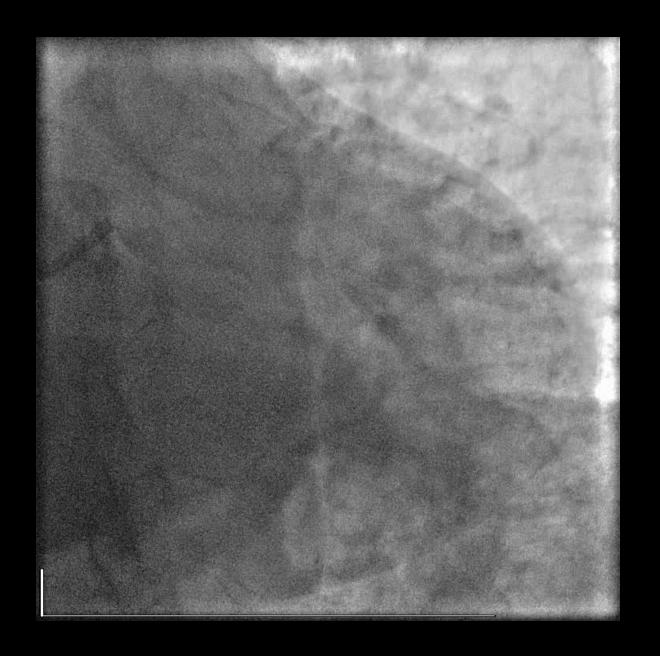


EKG and LVEDP (after)



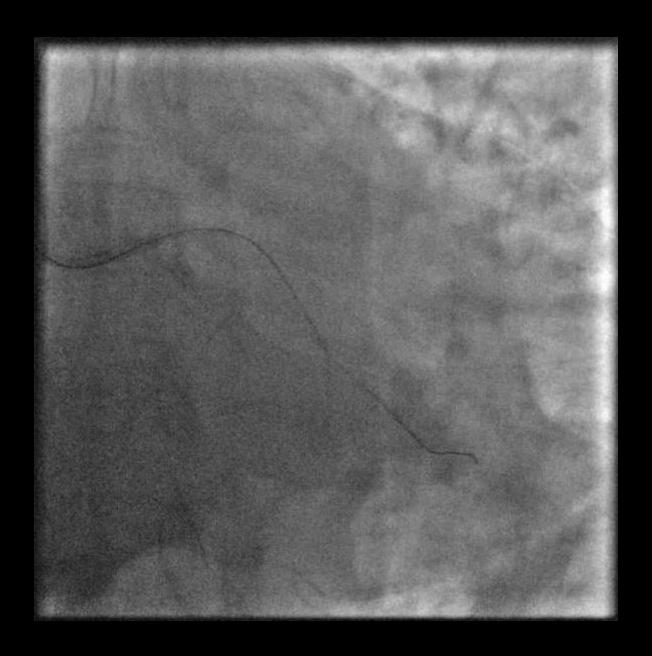
2 days later





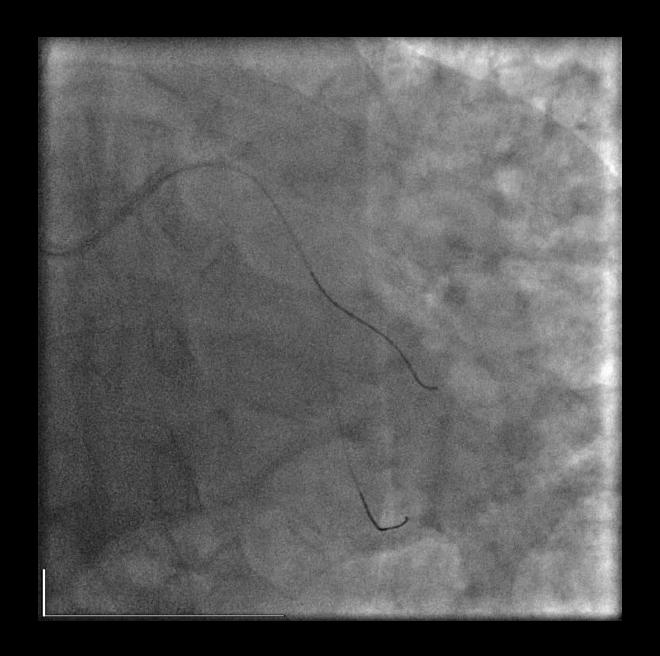
• XB 3.0 guider



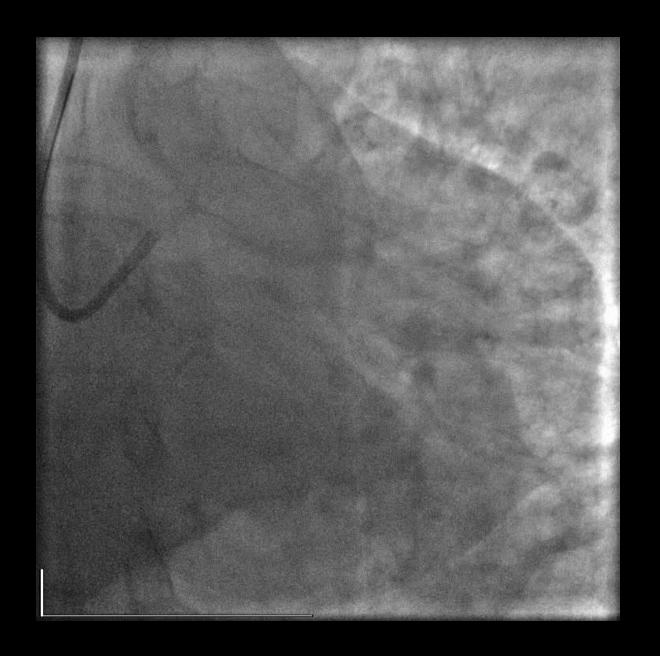


- LCx was quite difficult to wire
- Had to use a Gaia First wire to cross





 After a bunch of dilatations and swapping the Gaia First wire



Stented with Orsiro
 2.25 x 40 mm stent,
 postdilated proximally
 with 3.0 mm balloon.



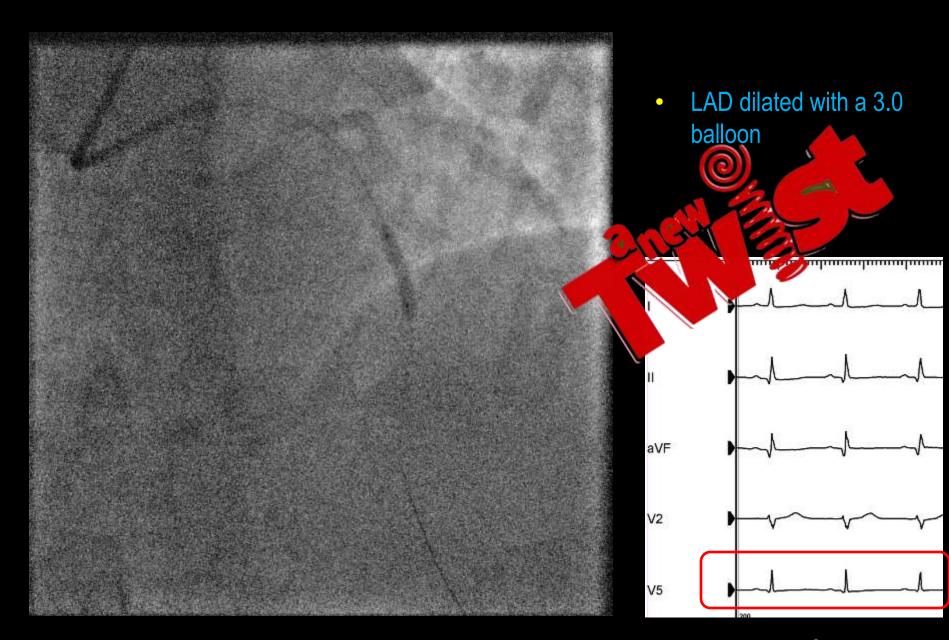
LAD IVUS



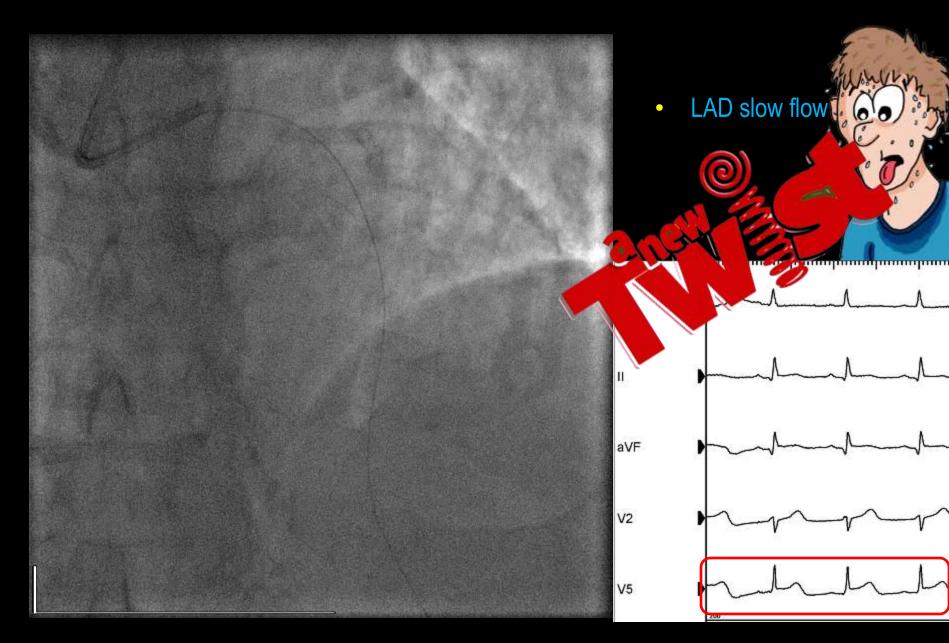




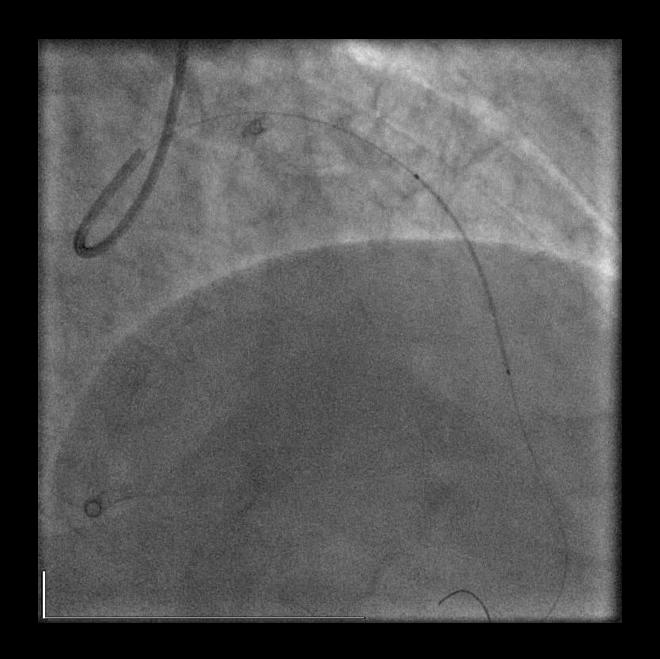




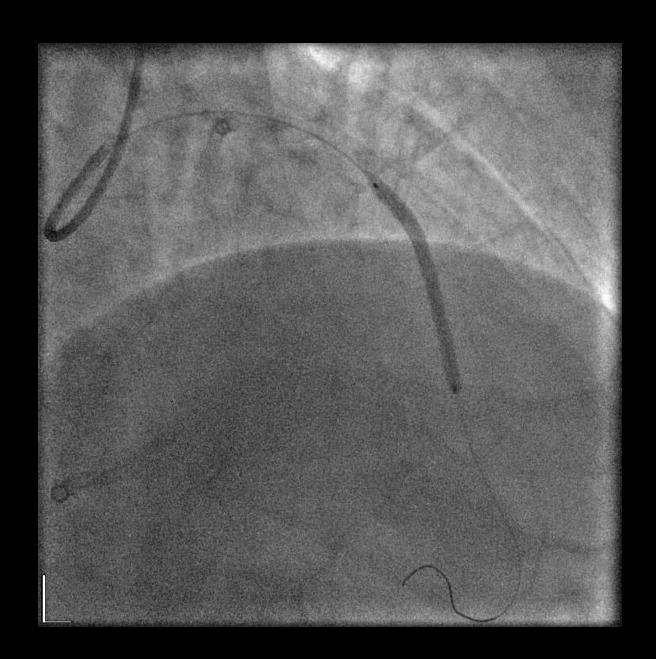








 Orsiro 2.75 x 40 mm stent







• Orsiro 3.5 x 35 mm stent





 Final after post dilatation with 3.0 and 3.5 mm non-compliant balloons

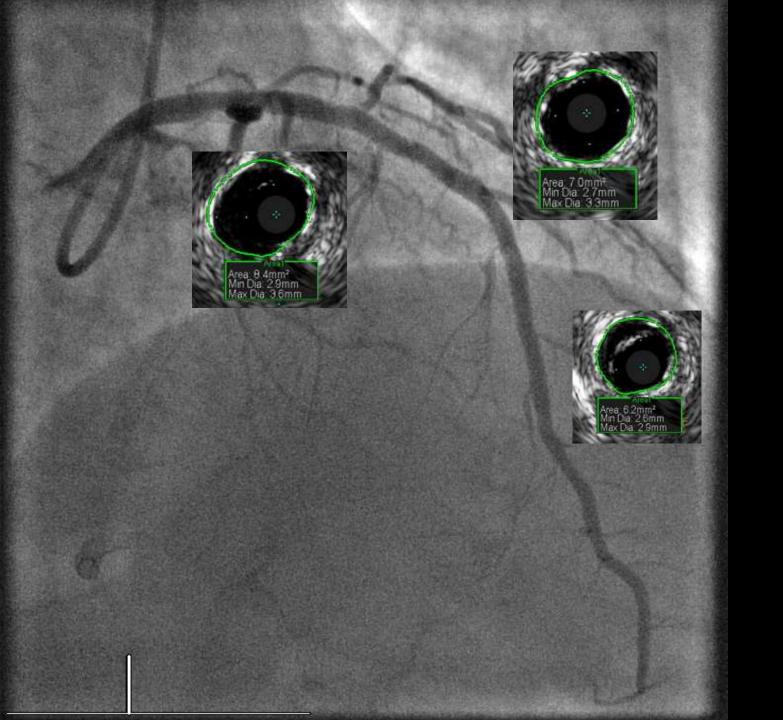














Moral of the story

- STEMI cases can be tough when there's multivessel disease
 - Identifying culprit lesion can be challenging at times
 - Timing of non-culprit intervention can be challenging
- Sometimes you have to just think it through
- Orsiro is a very trackable stent particularly in complex lesions
- Long length availability (40 mm) and thin struts advantageous
- Good outcomes data is very reassuring





Fahim H. Jafary MD, FACC, FSCAI E-mail: jafary@pobox.com

