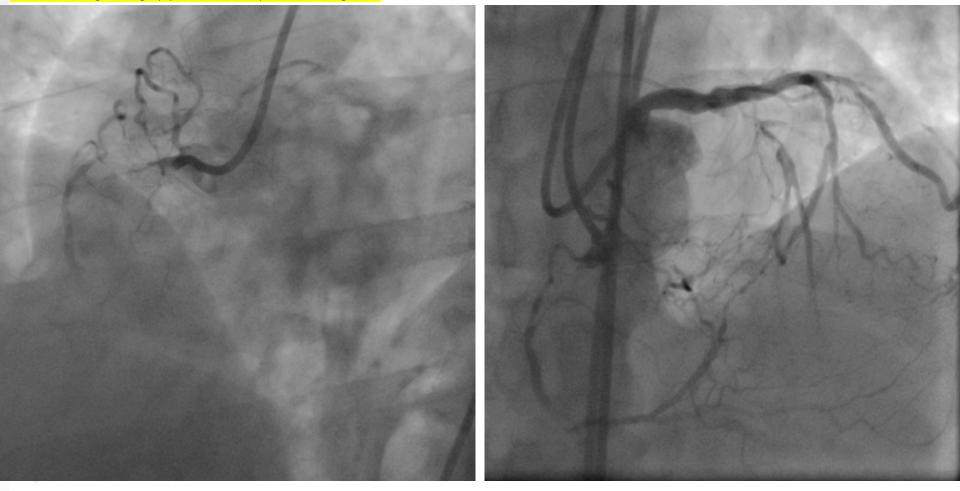
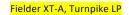


My toughest r-CART in an ostial RCA CTO The expensive toll to pay

Ahmad Samir, MD

Aswan Heart Centre Cairo University A 73Y gentleman, DM, HTN, IHD, previous MI 2 years ago, EF 35-40% CAG => LAD CTO, RCA short segment CTO After counselling for surgery, patient refused, planned for staged PCI



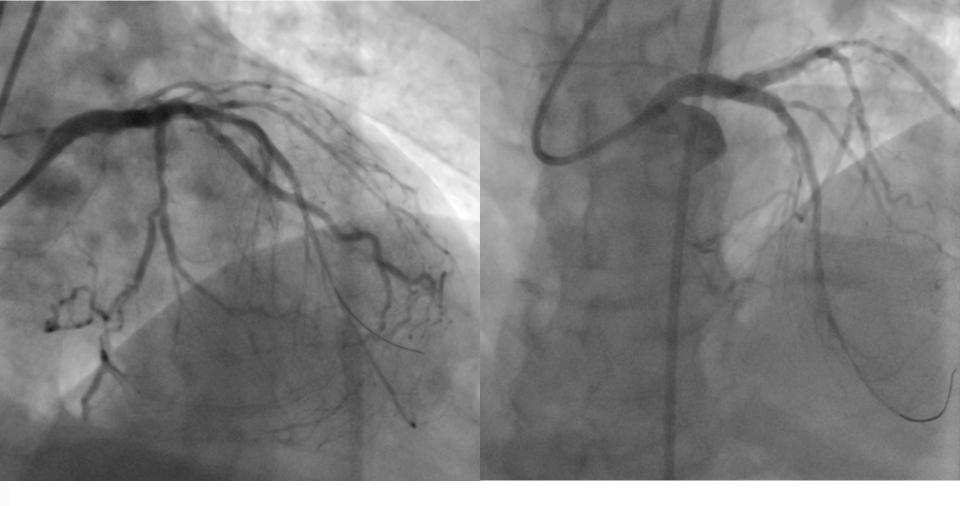


Advanced into the early Diagonal rising from CTO body

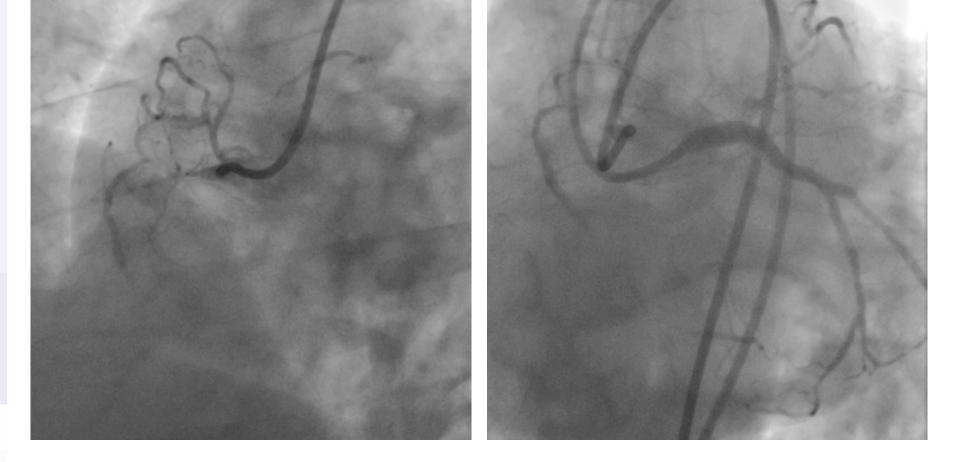
Exchanged to a workhorse wire then a Twin pass, puncturing LAD by CP12











Obviously, my today's story is not the LAD It is the RCA CTO, which <u>though short</u>, but it spoke of <u>very complex curvature</u> Px and Ds caps were dancing in <u>different directions and different planes</u>



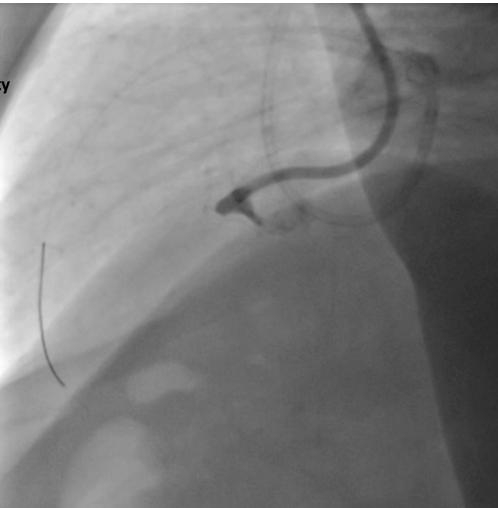
We were planning to proceed to the RCA in 2-3months planning for AWE, if not, knuckle to defeat course ambiguity then in the vertical part, we perform ADR

Yet, unfortunately the waiting time went longer (the patient travelled, system reallocation, ... etc)

After almost <mark>a year, </mark>the CTO became <mark>aorto-ostial</mark> !! Is this

> the toll of time (disease progression), or the toll of success (after PCI to LAD)

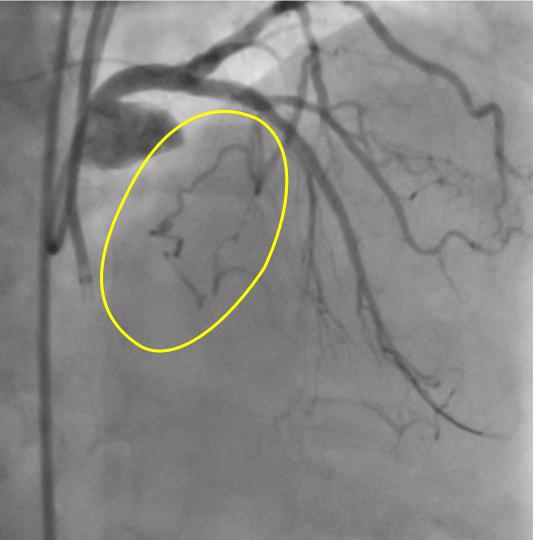
But certainly, it was a dear toll to pay







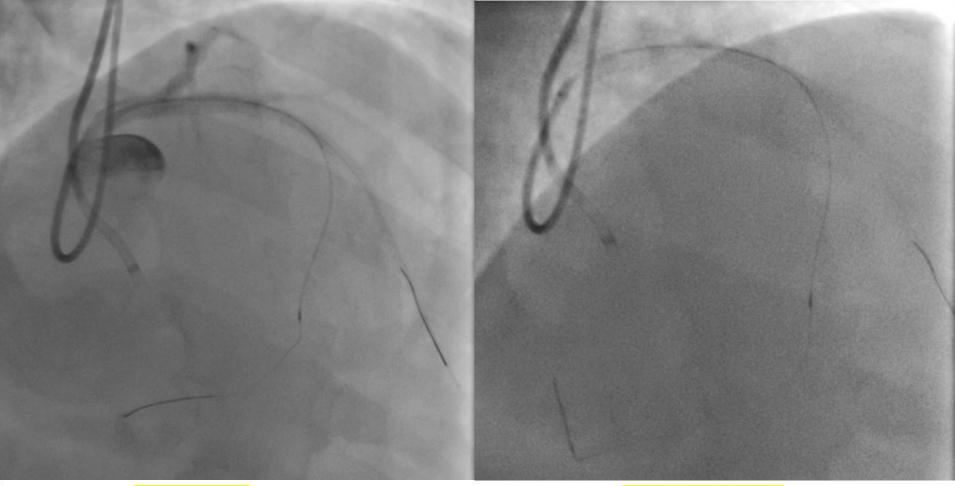


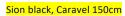


Presuming a primary retrograde case,

though the predominant filling is **epicardial Cx-to-PL**

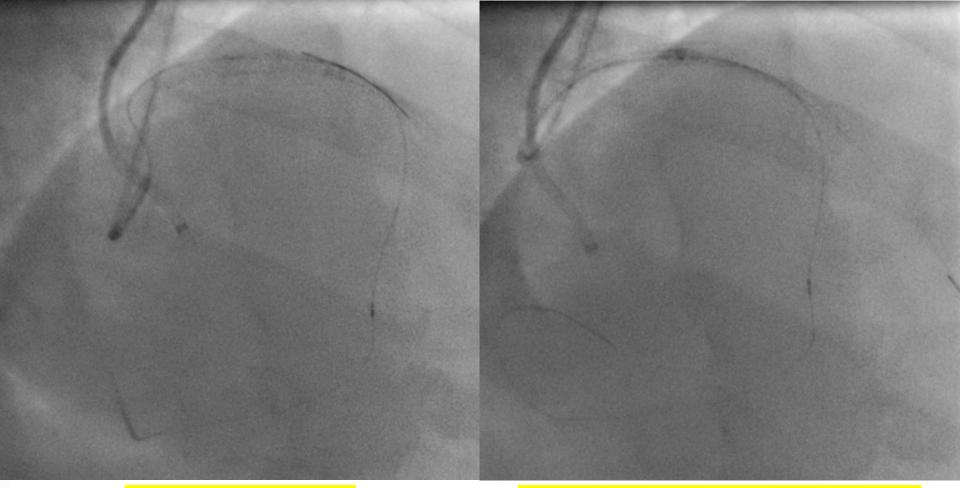
yet, planned for an attempt of septal surfing



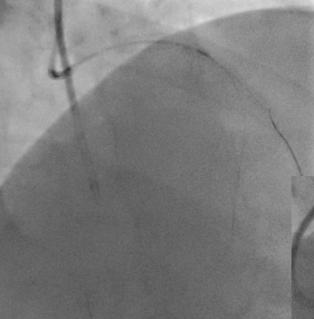


Sion black gained access to mid RCA

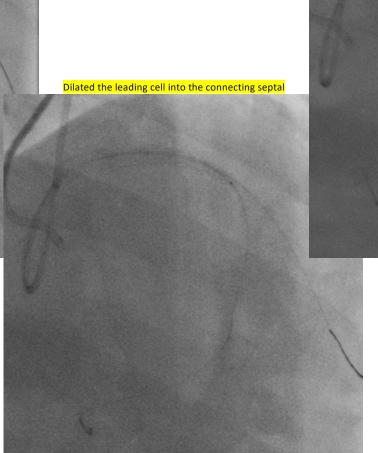








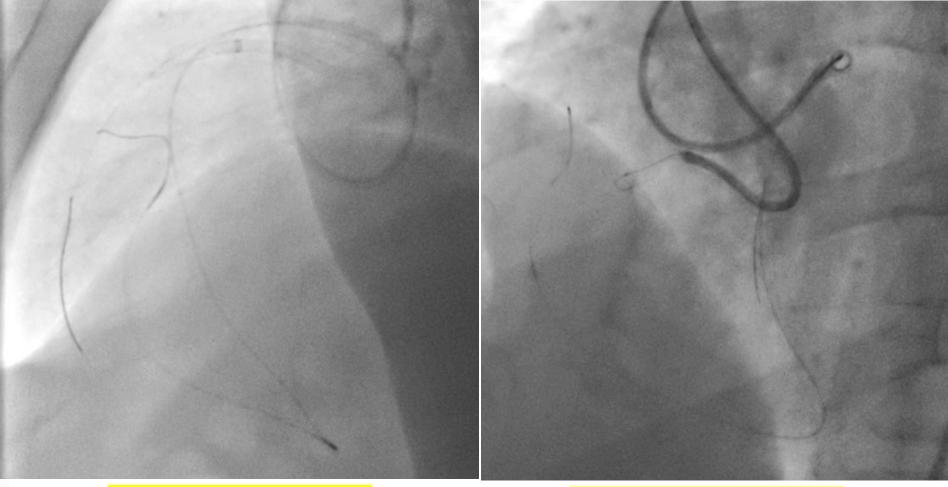
Removed the MC

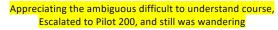




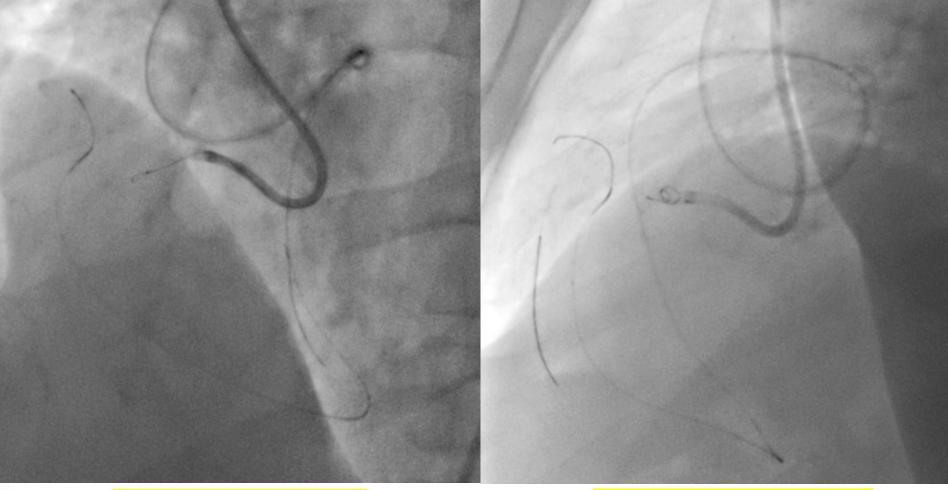
Then the MC advanced seemlessly



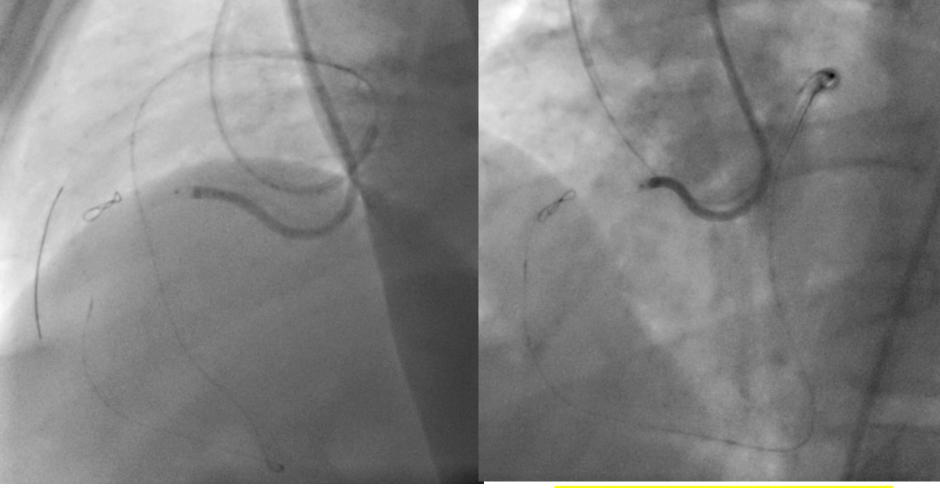




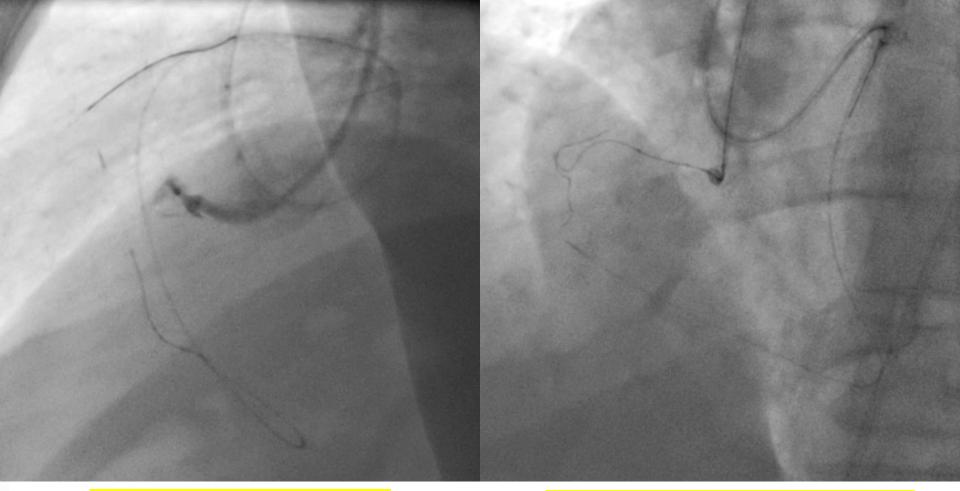






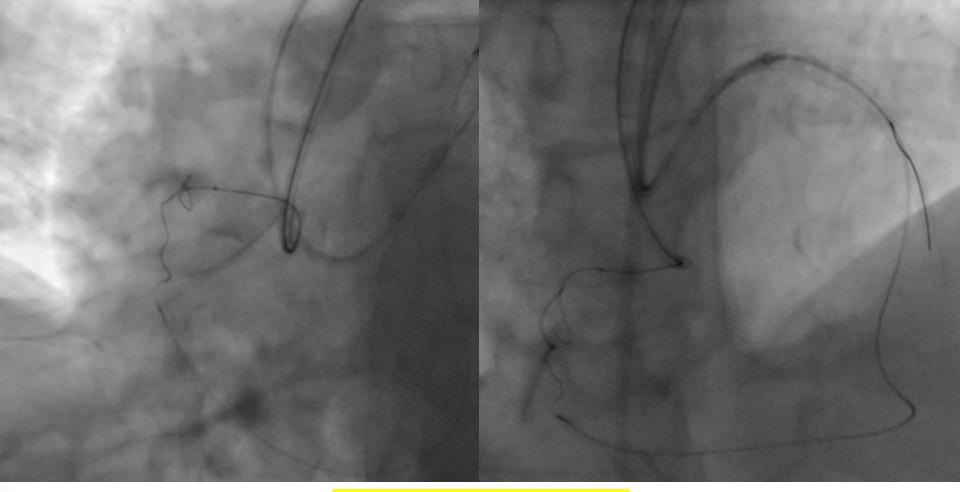


MLCTO ACADEMY

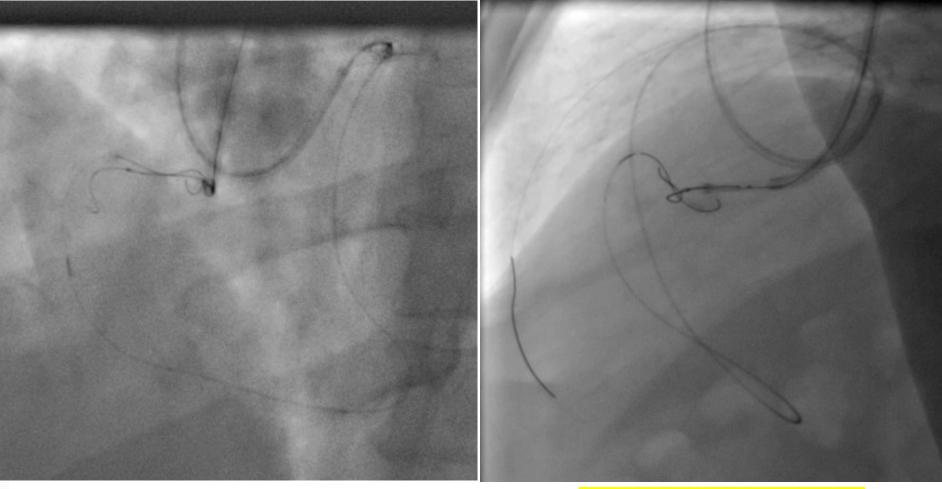


After changing to a JR, as bail-out, Carlino from the antegrade gear, Aiming to modify the px cap and/or reveal the ambiguous course Now the antegrade gear progressed into the proximal RCA straightening its course Then trying to track the course with the retrograde gear



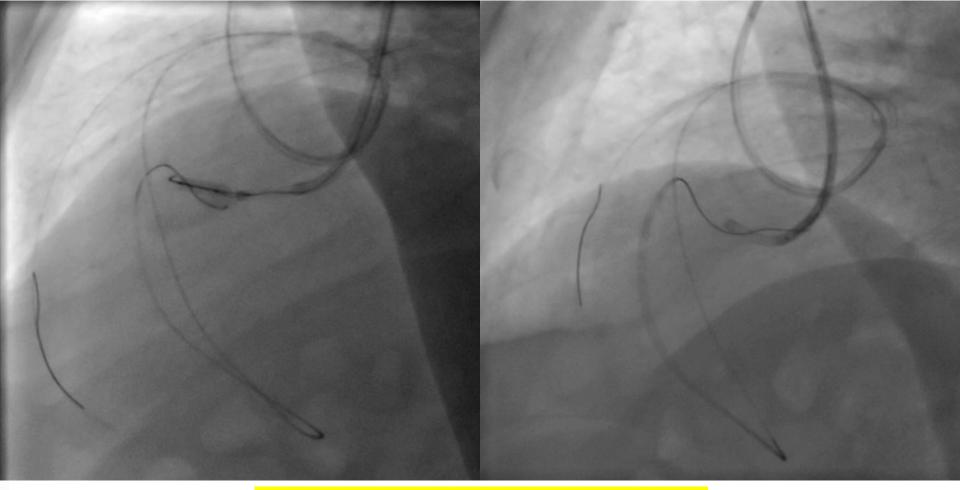






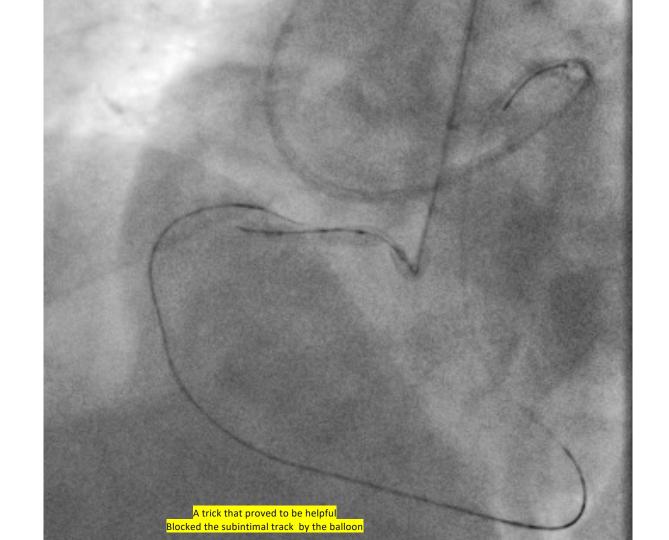
With a retrograde CP12, trying to puncture and externalize to the antegrade JR guide, but diving in the large hematoma (post Carlino)



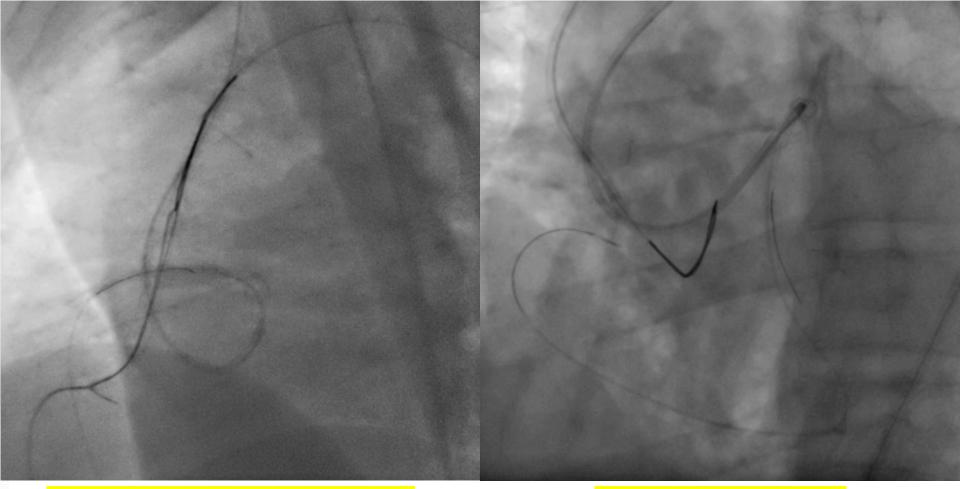


Repeatedly, the CP12 advances to the large subintimal space unable to puncture into the RCA lumen





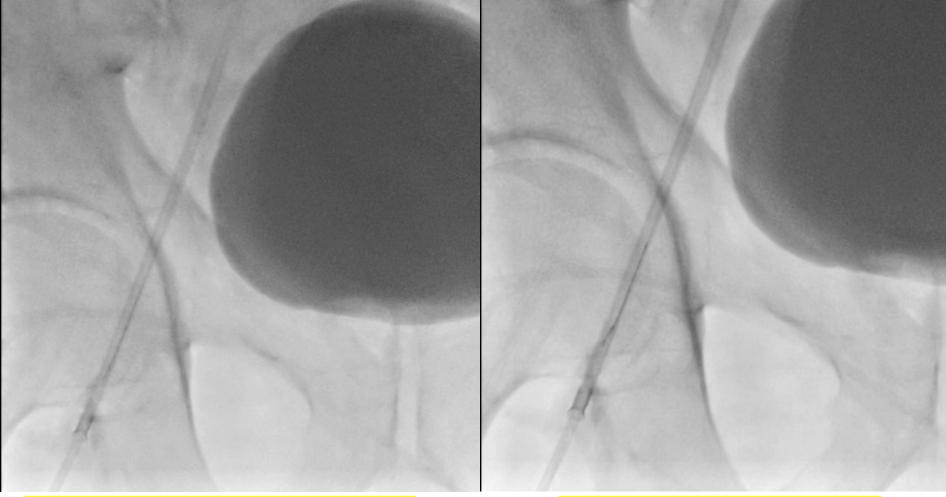




We had to snare and trap the Gaia to be able to externalize the MC into the aorta, Because we believed we should not upset the RCA paraostium any more

MLCTO ACADEMY

Then, we had to snare an RG3 externalized from the MC

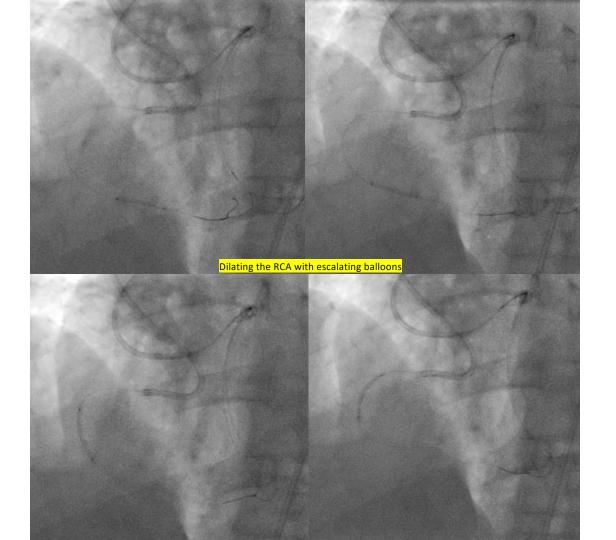


While almost there, but the RG3 was suffering huge friction with the exhausted Caravel MLCTO ACADEMY Unable to advance the few remaining inches

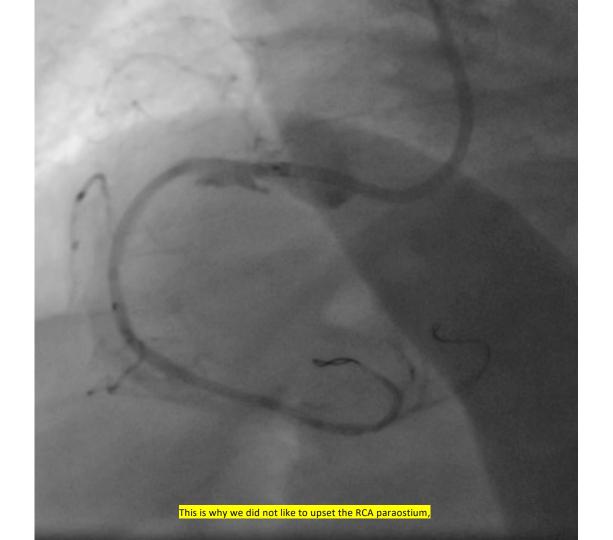
So, we used the Navitian for reverse Tip-in to be advanced over the RG3



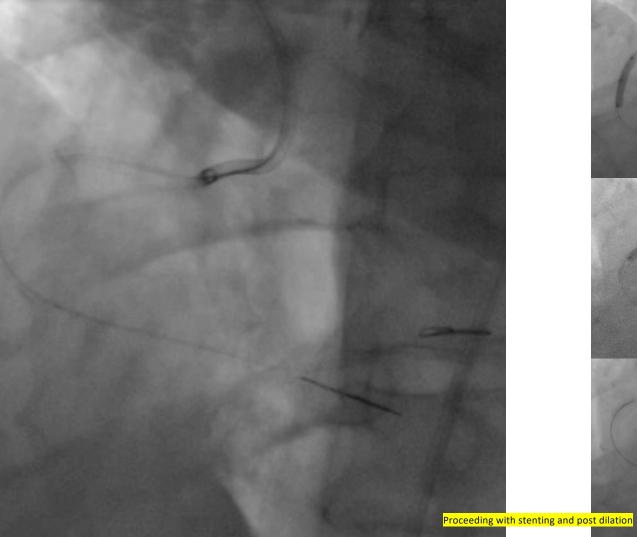




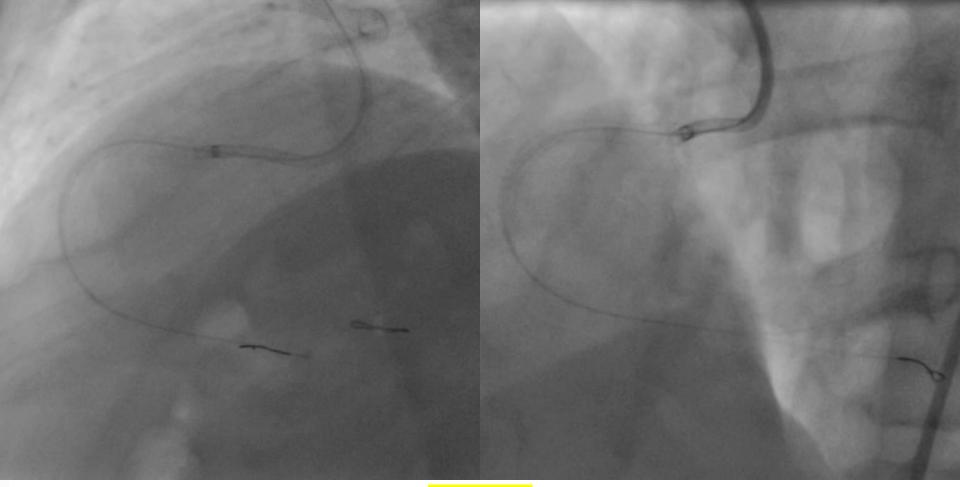














To have this final result

Thank you