Rendez-Vous Technique in Retrograde CTO-PCI Keys to Success

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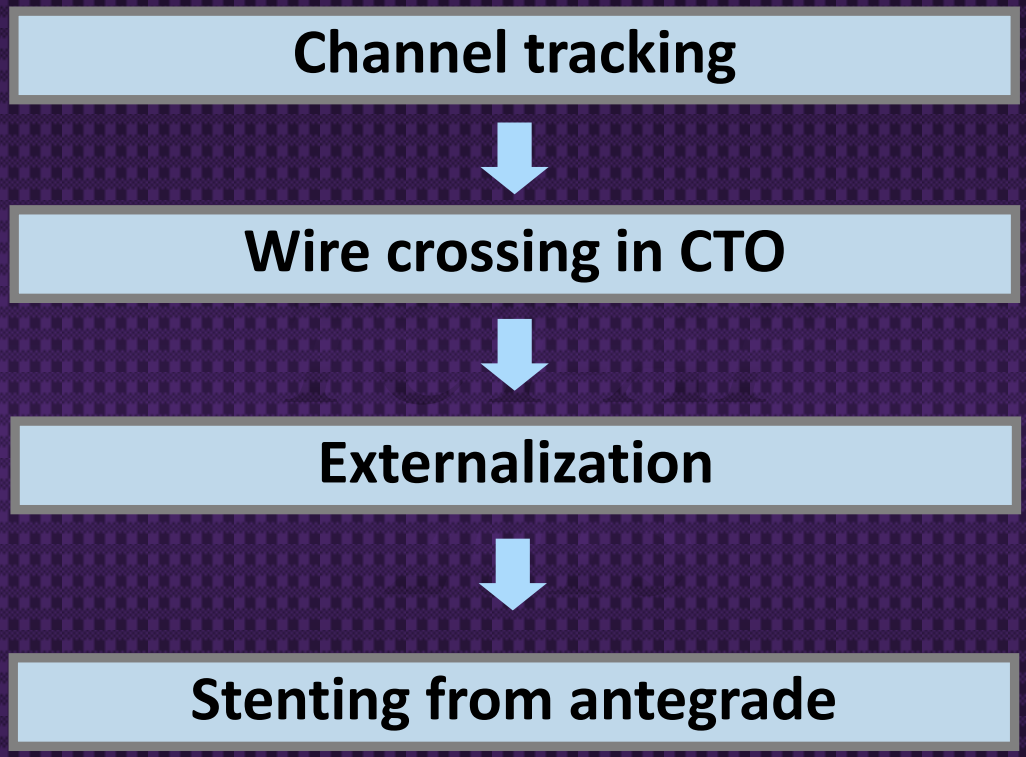
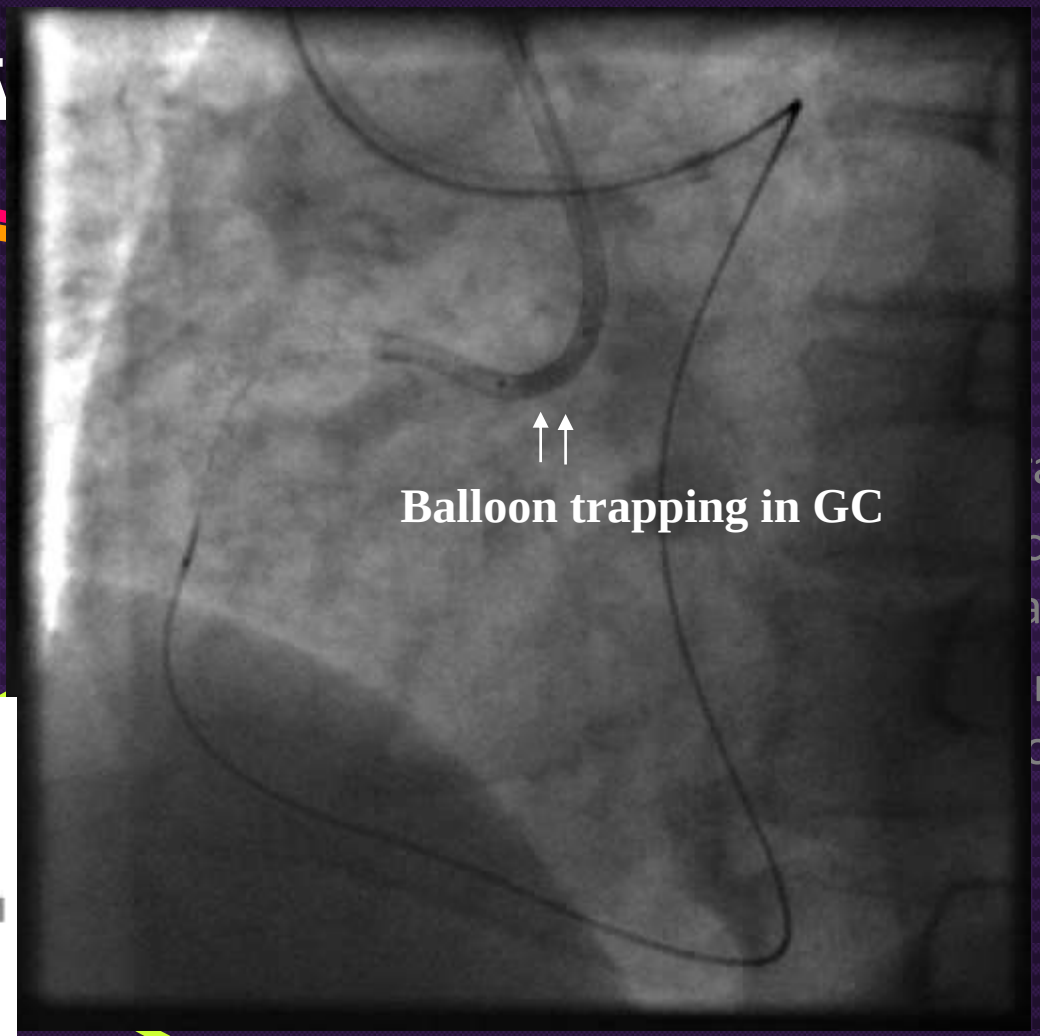
Toyohashi Heart Center, Japan

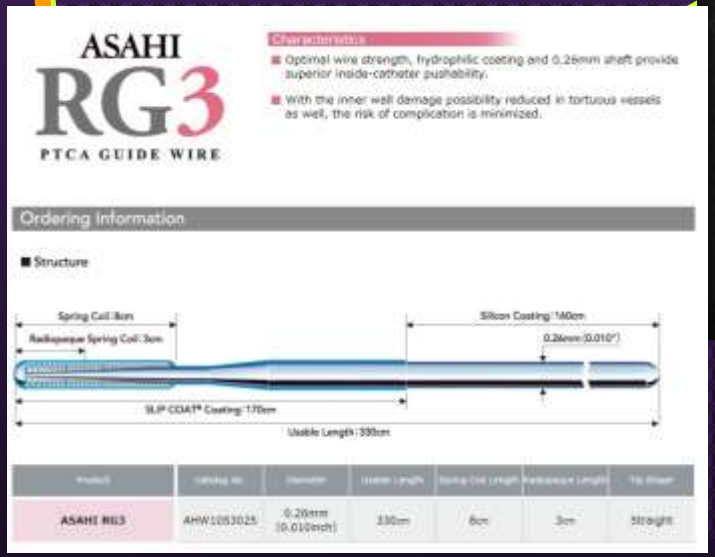
Usual strategy in retrograde PCI



Advancement of Corsair to antegrade GC

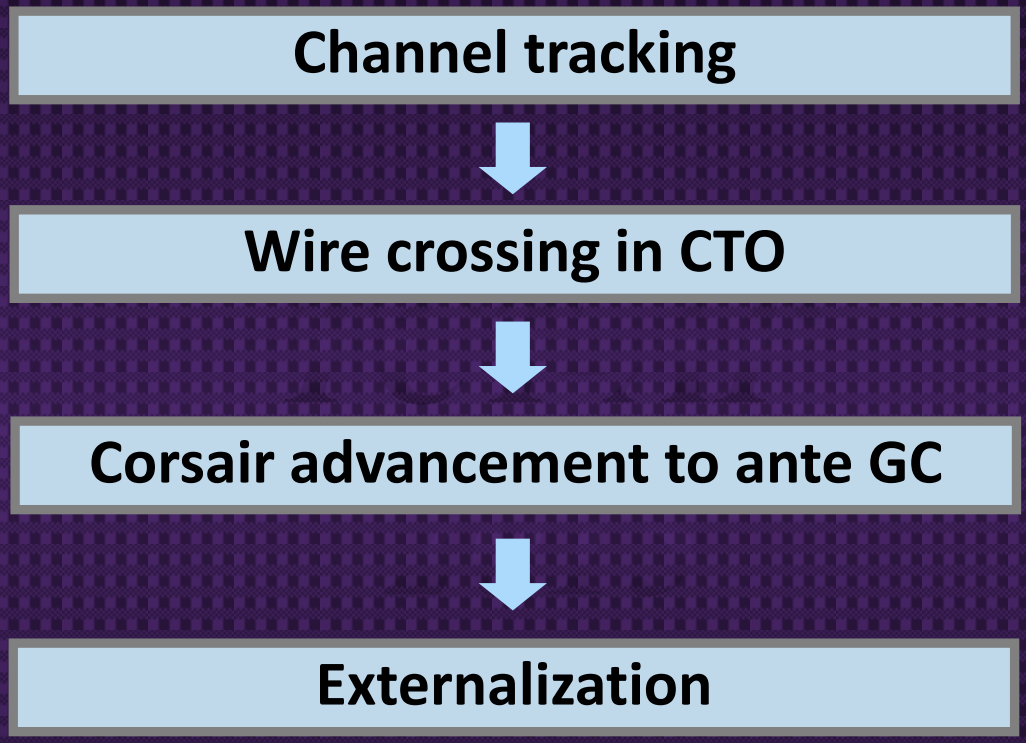
REV





⑦ Retrograde wire & microcatheter cross to antegrade GC

Usual strategy in retrograde PCI



Usual strategy in retrograde PCI

Channel tracking

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Wire crossing in CTO

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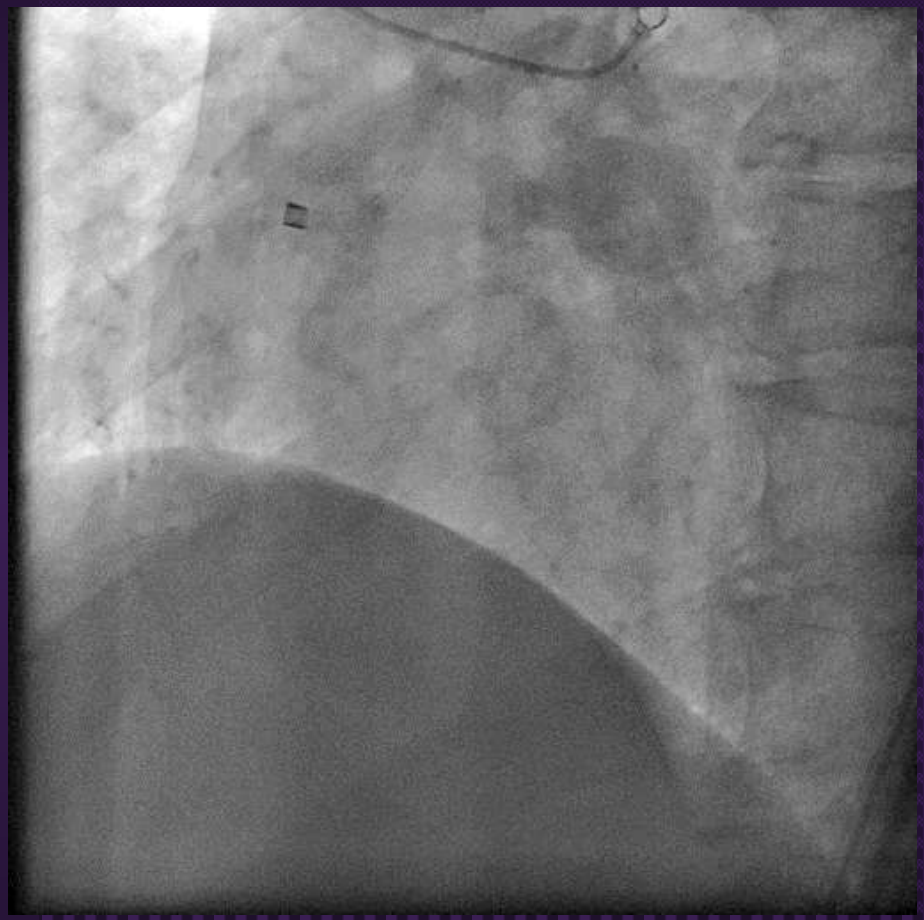
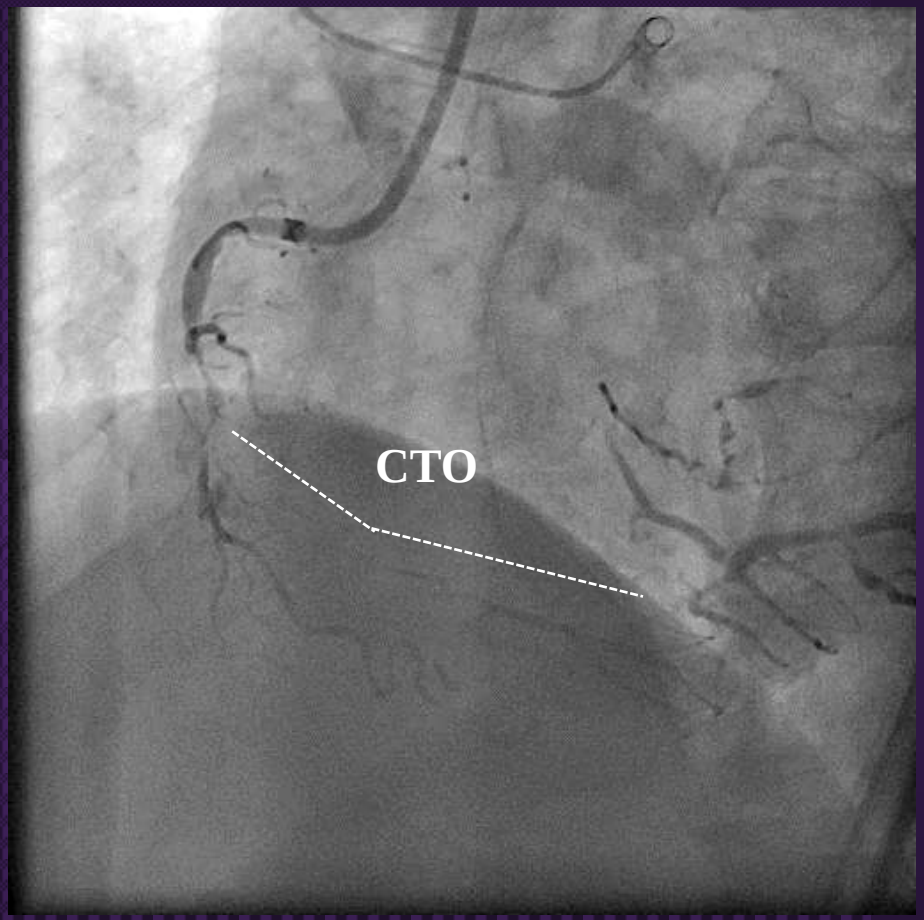
Corsair advancement to ante GC

- **However, Corsair (microcatheter) cannot be advance to GC…**

Case1: Long CTO





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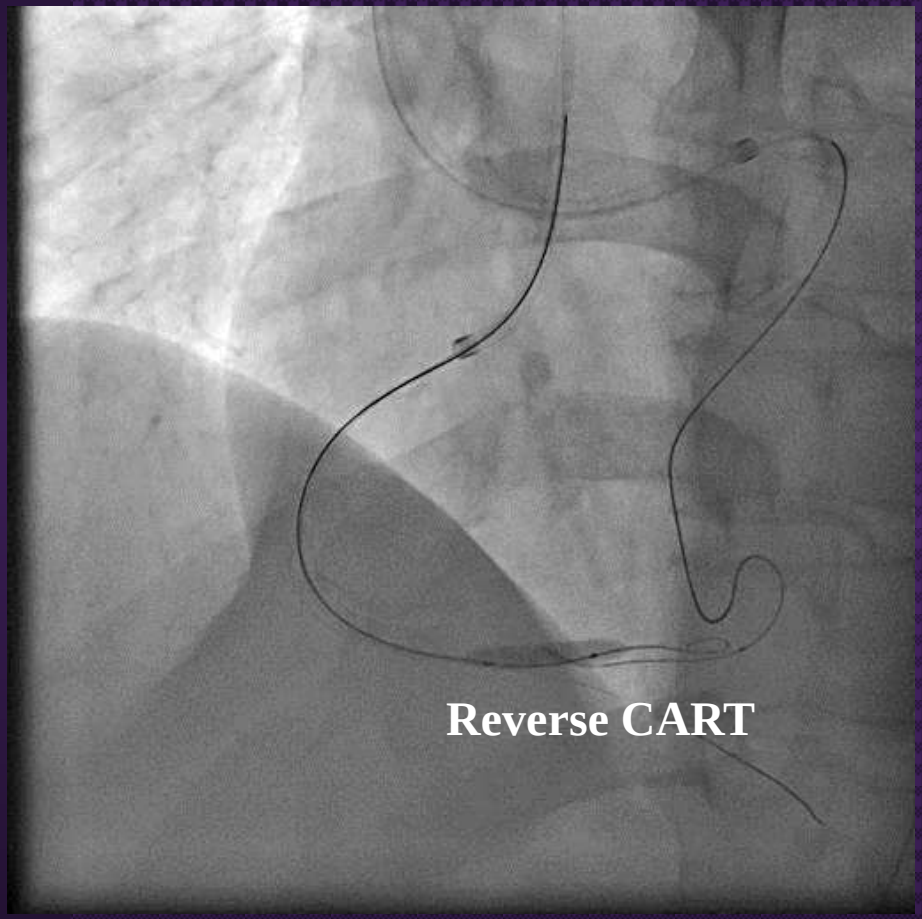

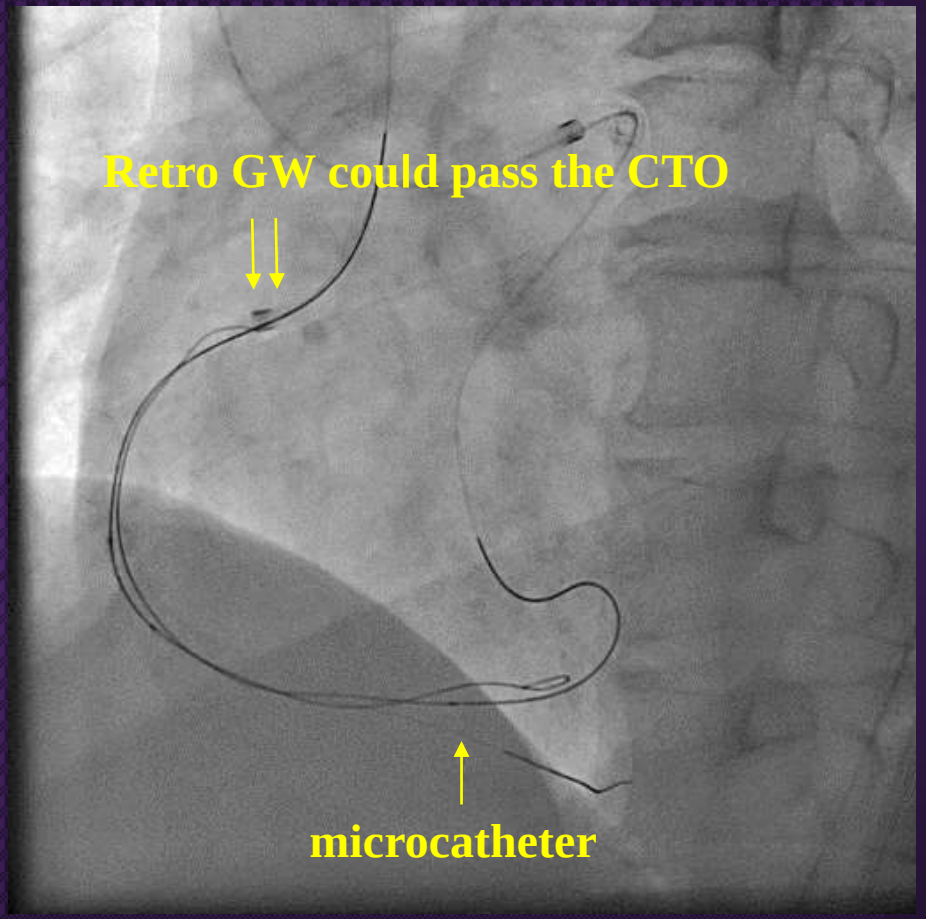

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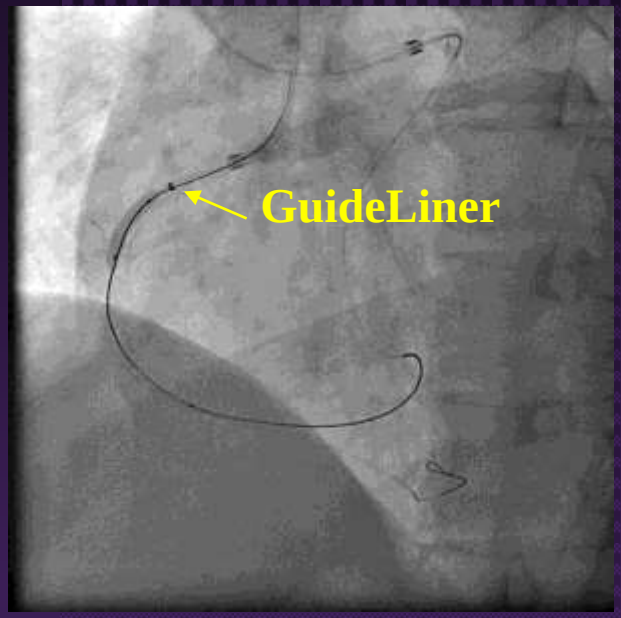

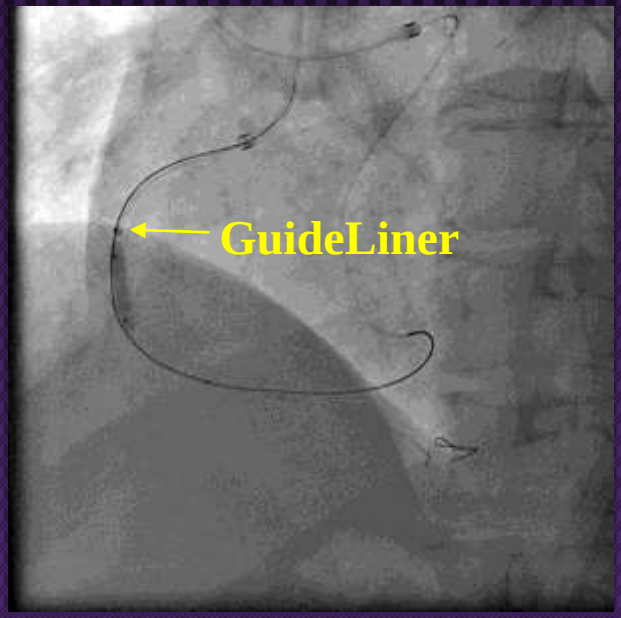

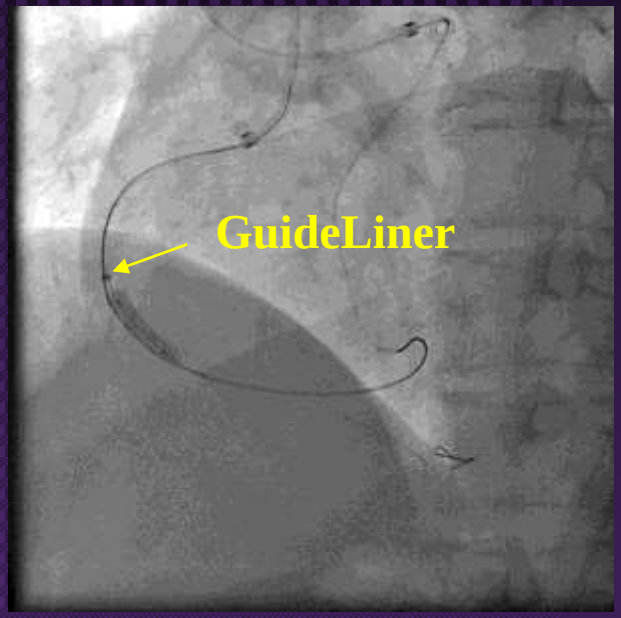

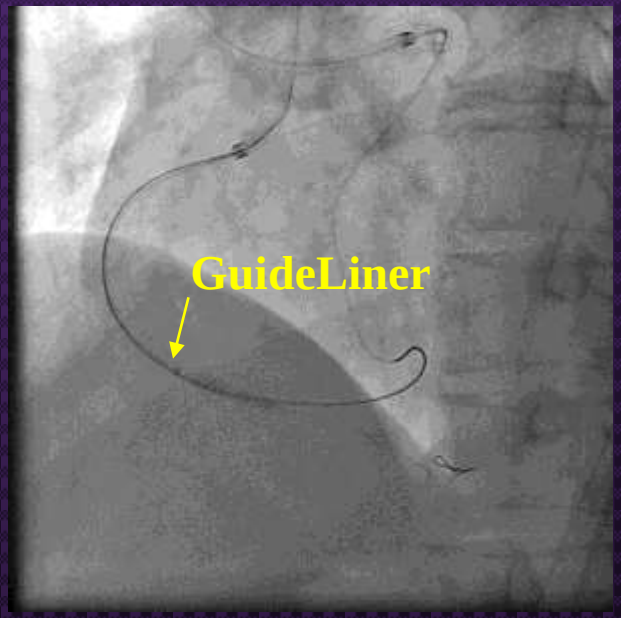

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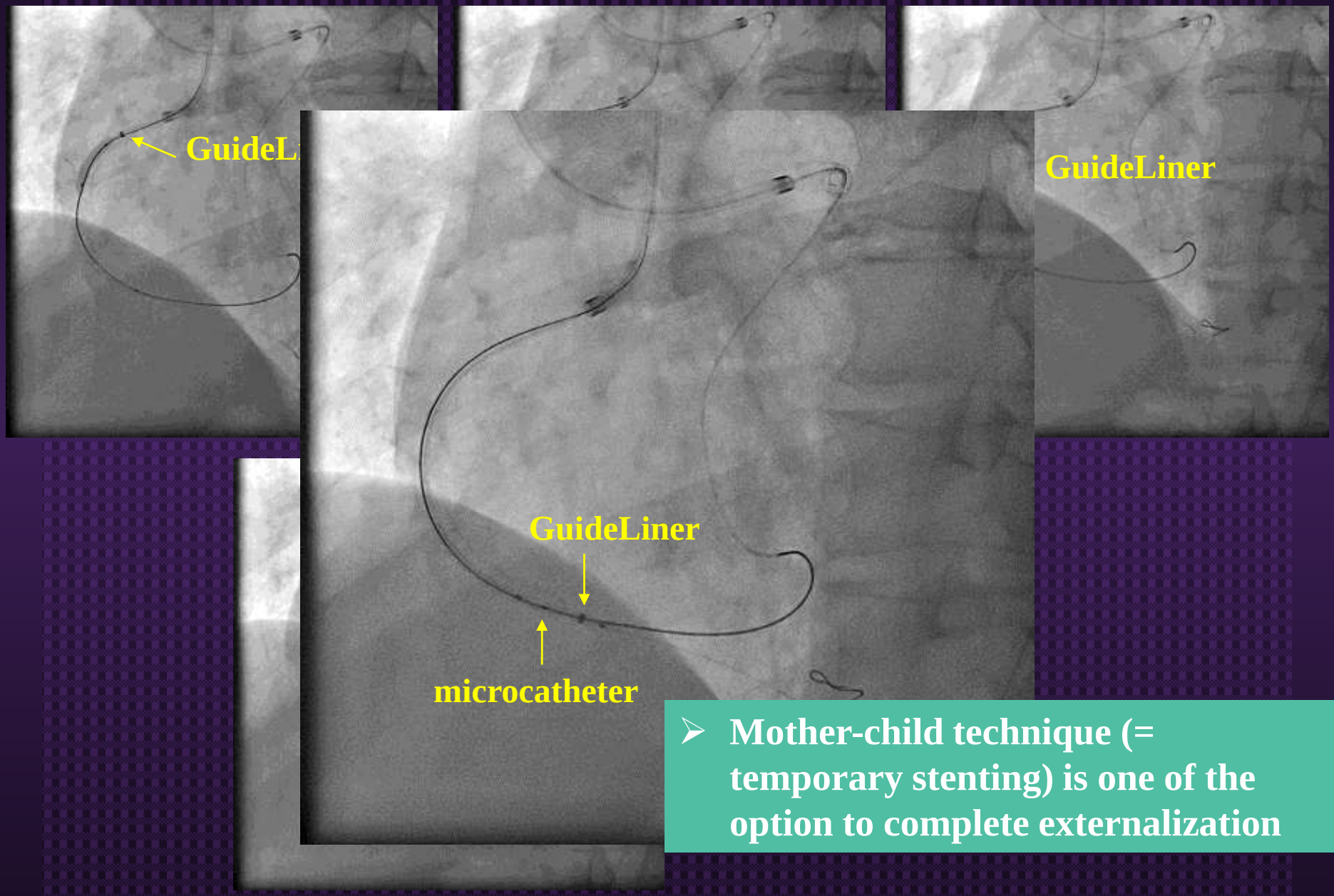

- Mother-child technique (= temporary stenting) is one of the option to complete externalization

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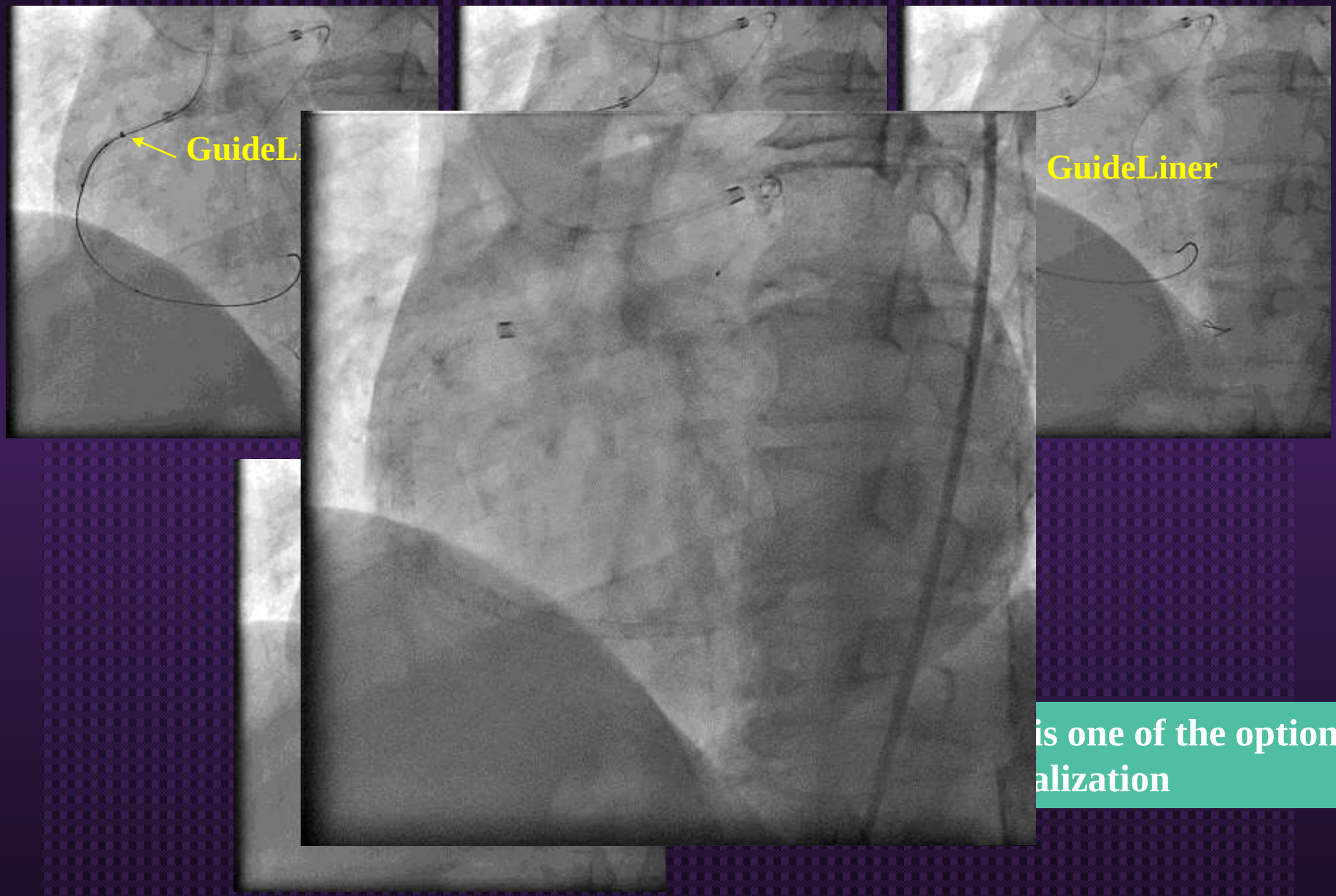
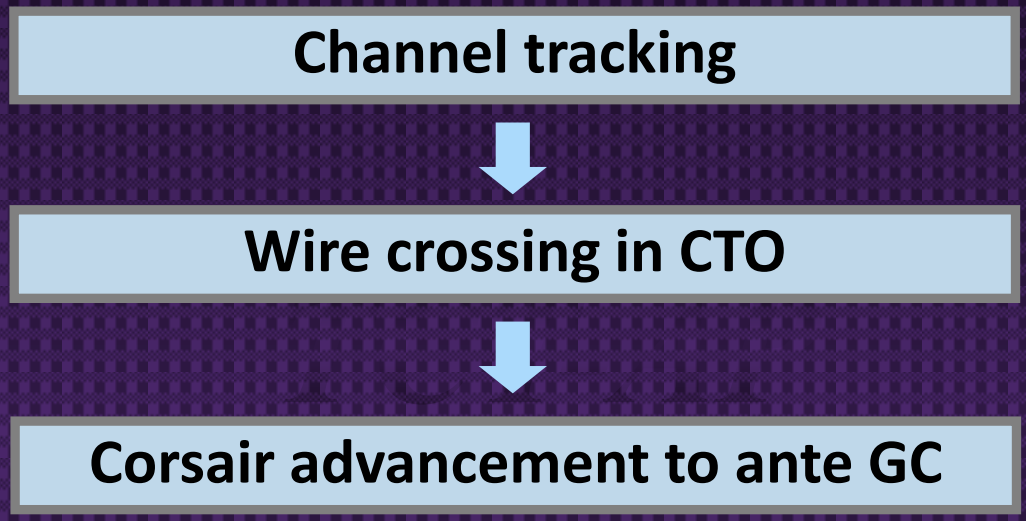


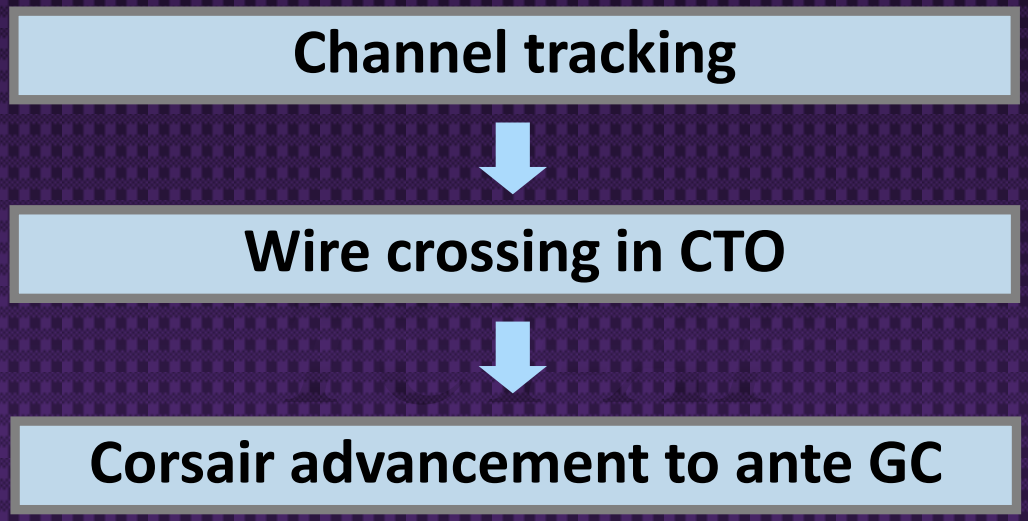
Usual strategy in retrograde PCI



- However, Corsair (microcatheter) cannot advance to GC…

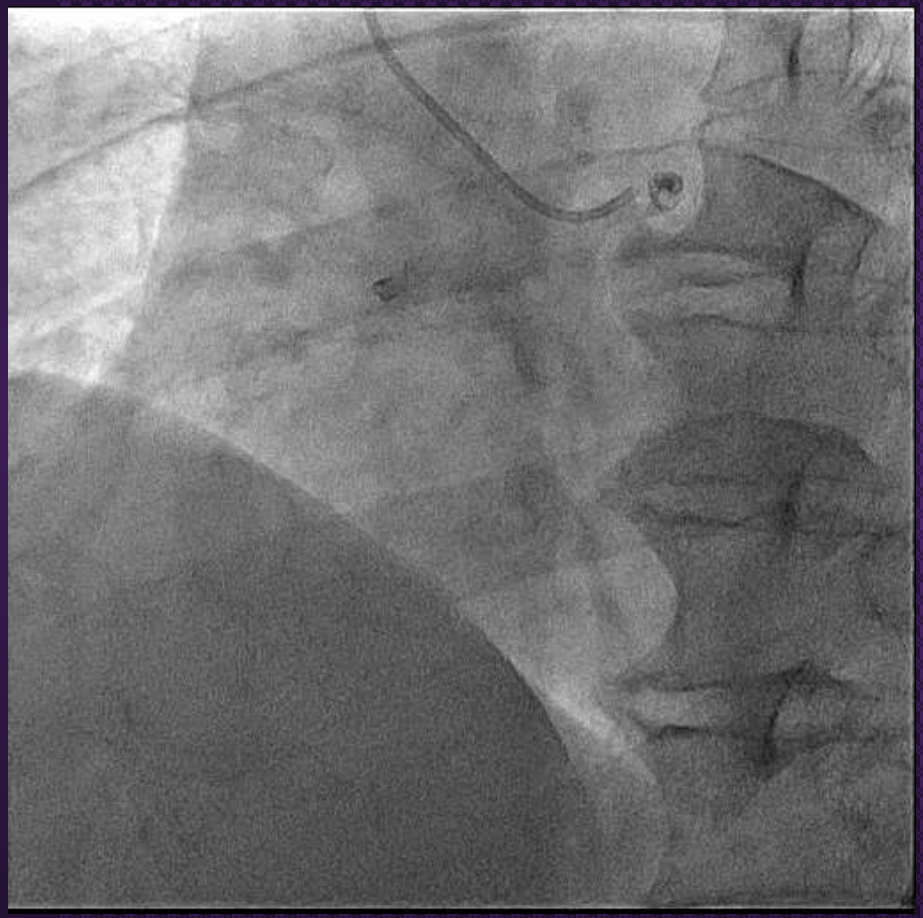
Mother-child technique

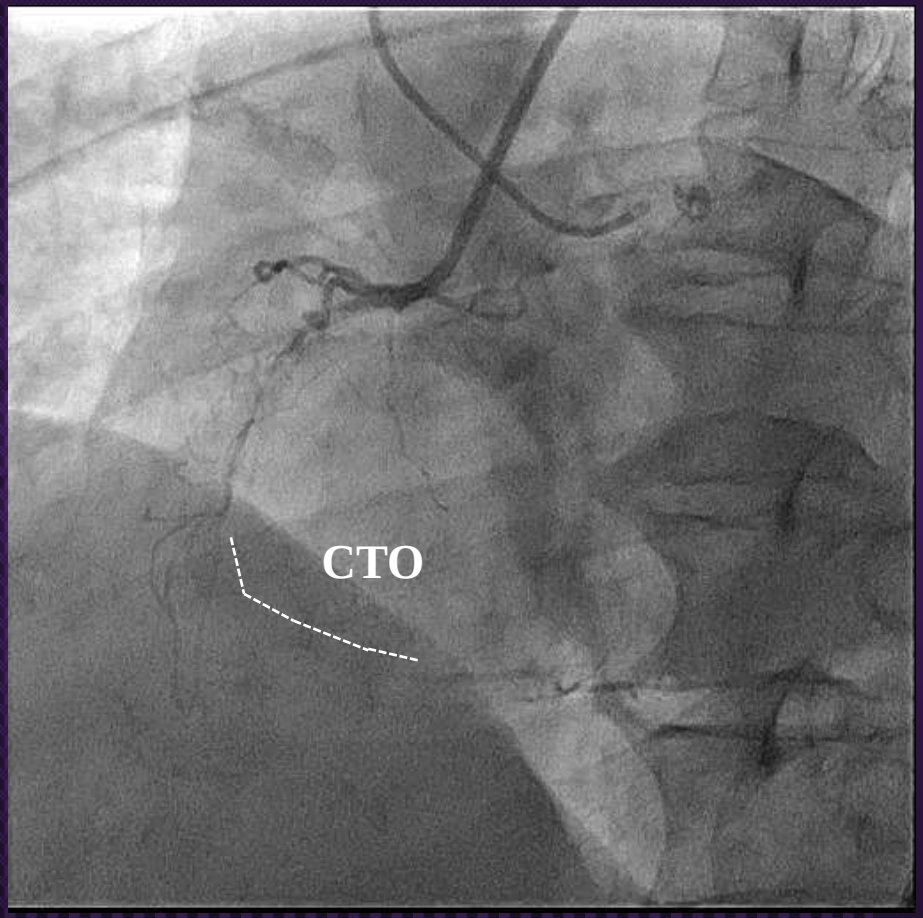
Usual strategy in retrograde PCI



- However, if Corsair (microcatheter) cannot advance to GC…
- However, if child catheter cannot pass the proximal cap or channel…
- However, if child catheter cannot be used…

Case2: RCA CTO





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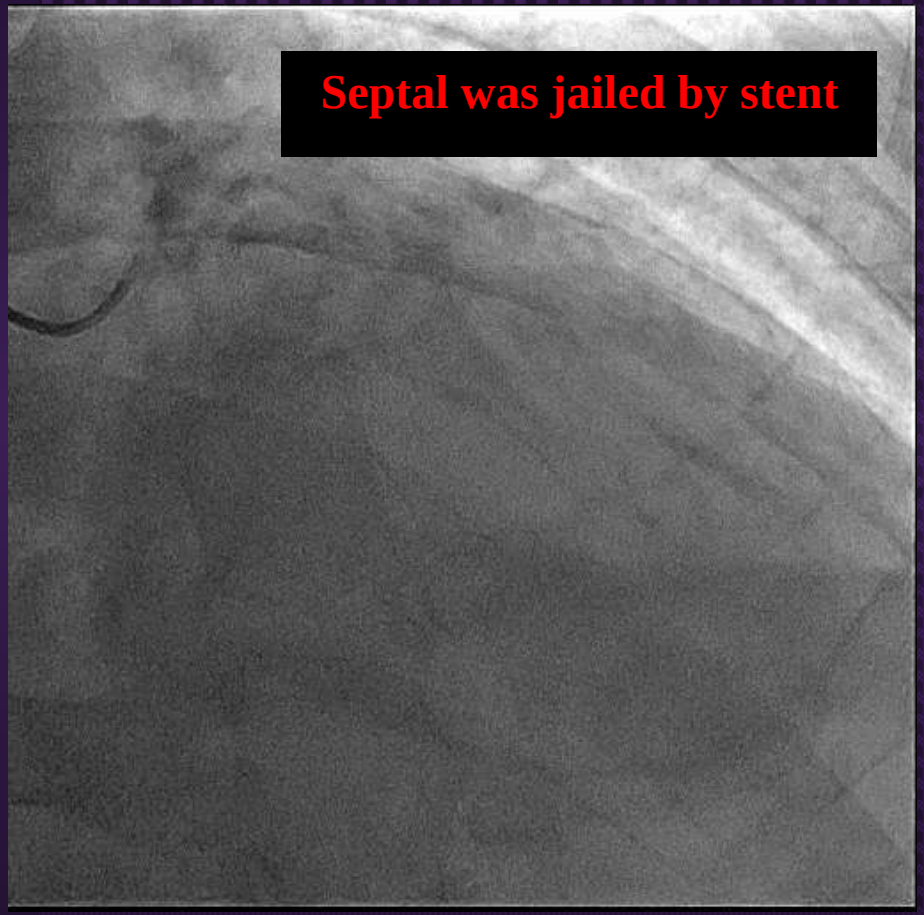

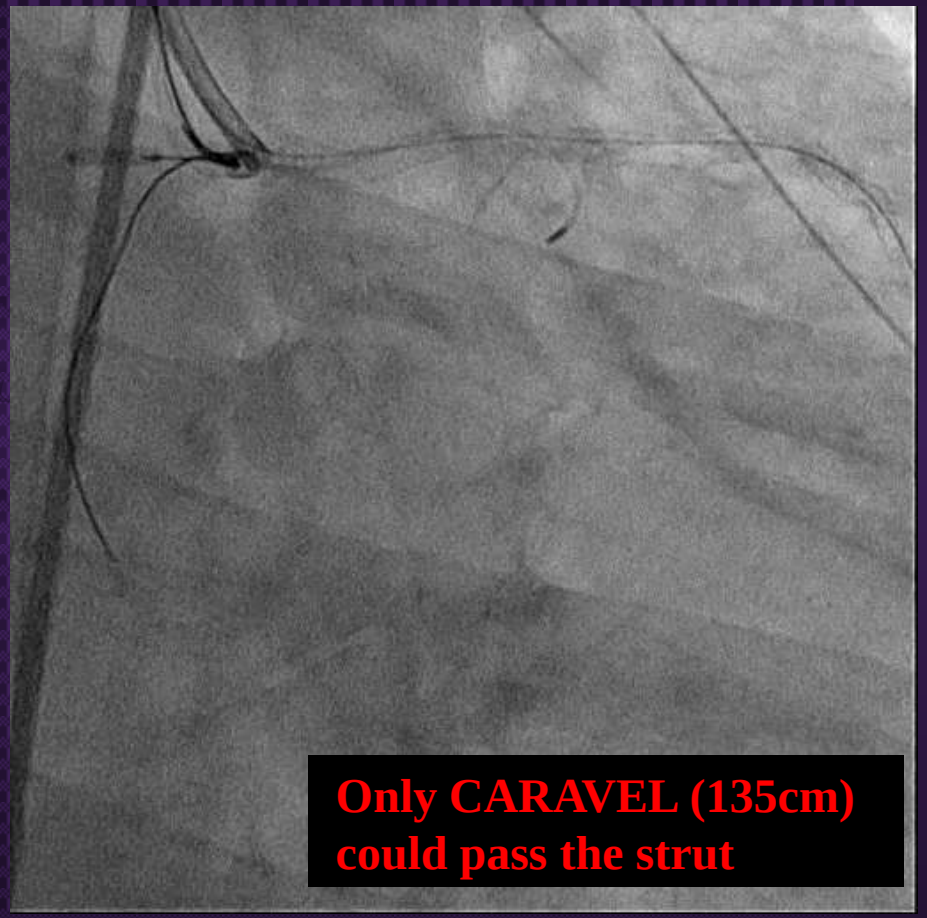

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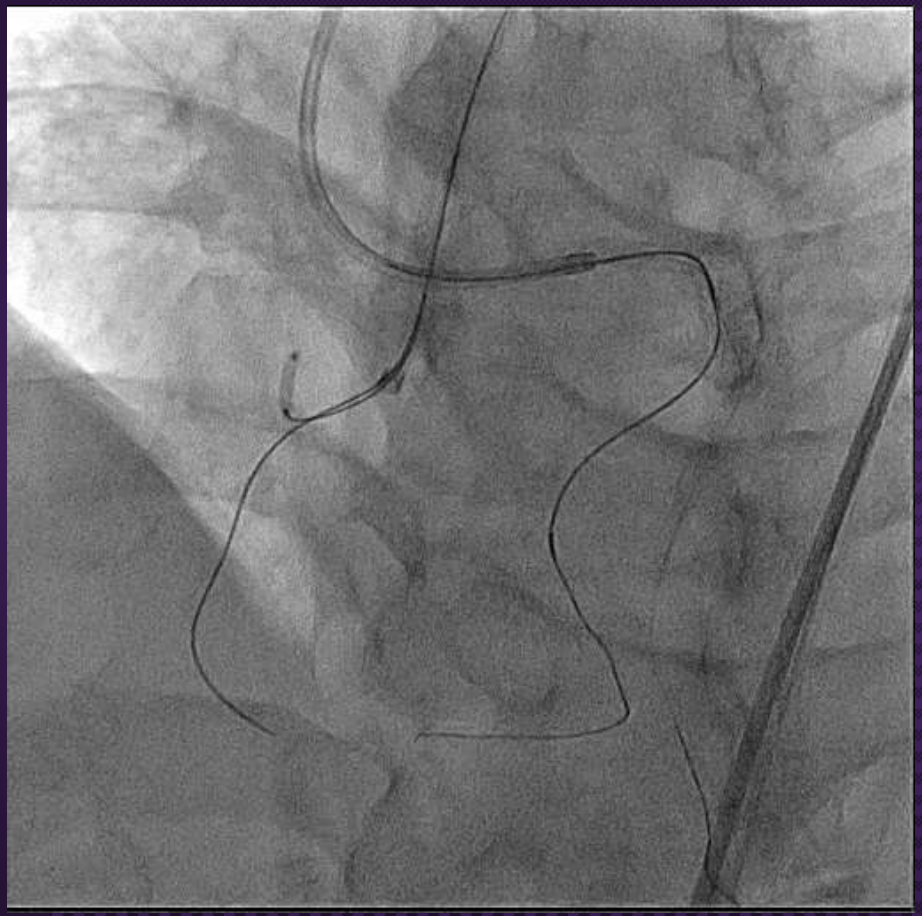

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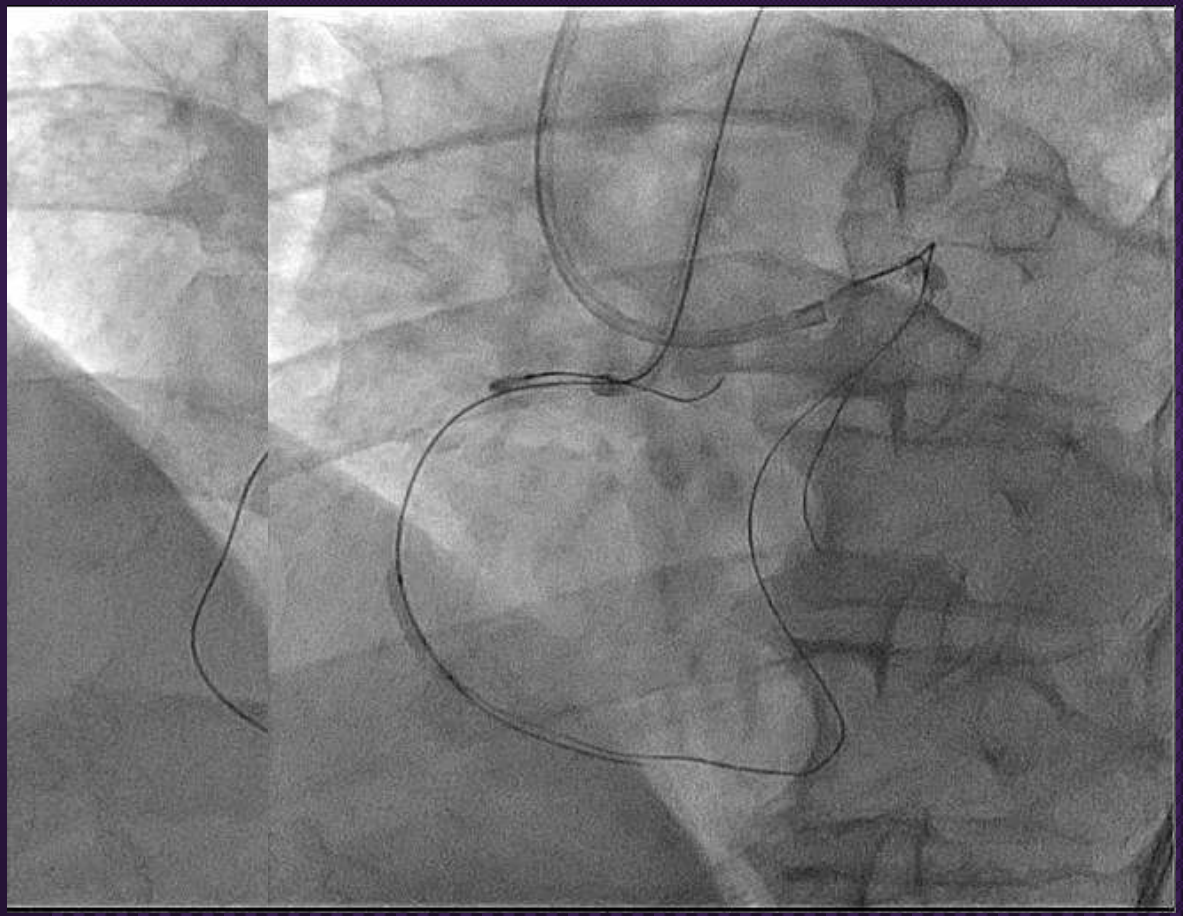

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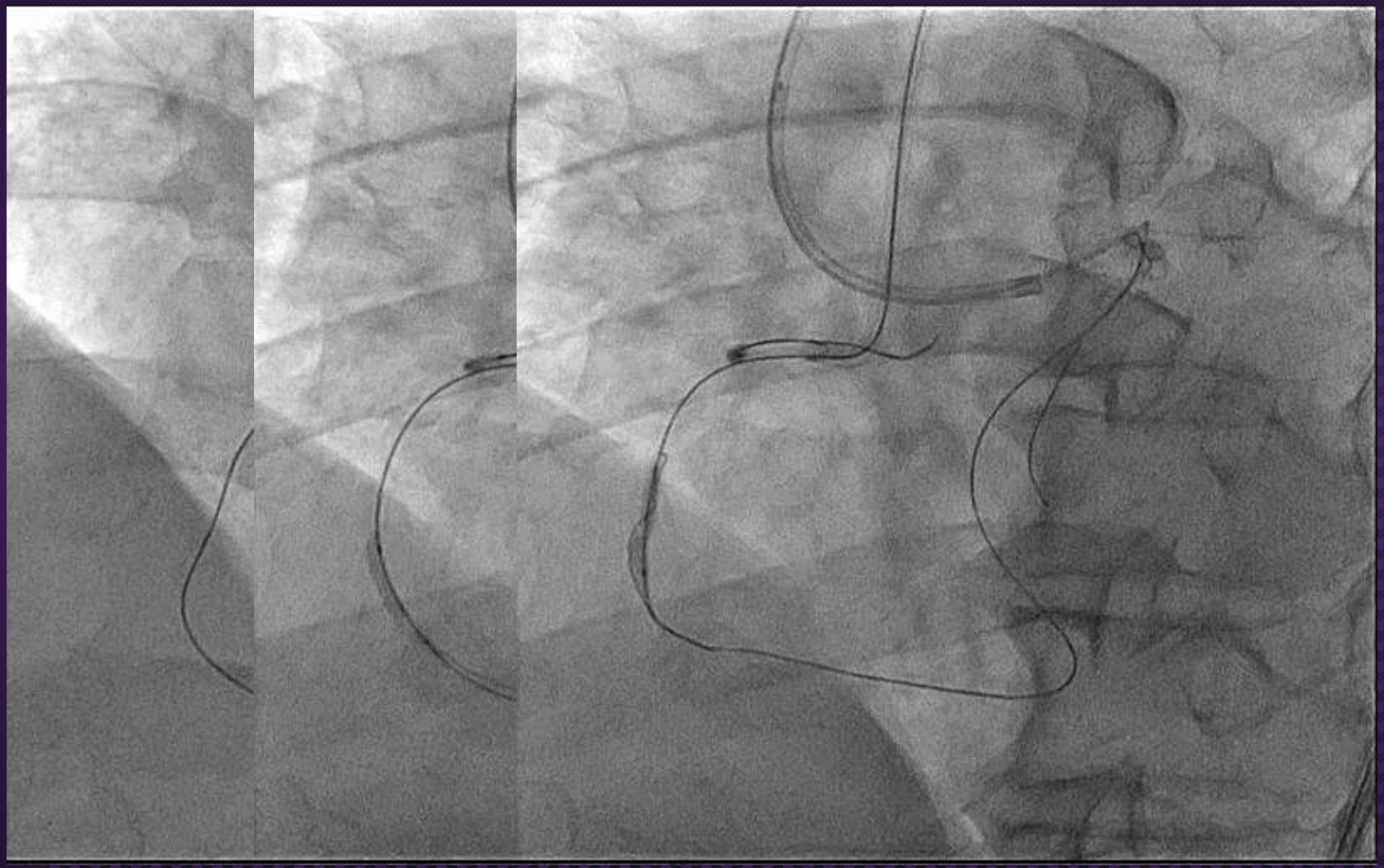

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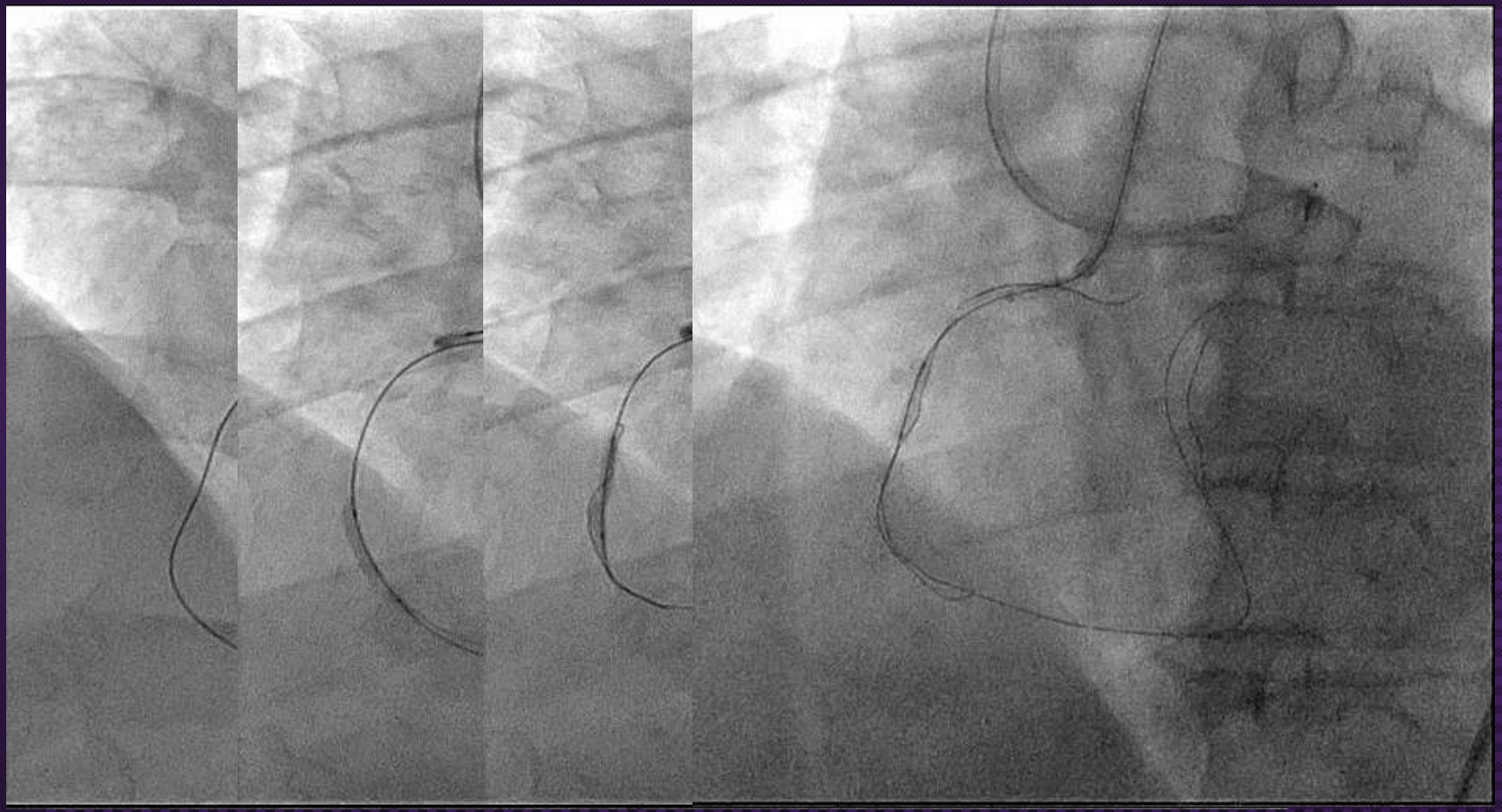

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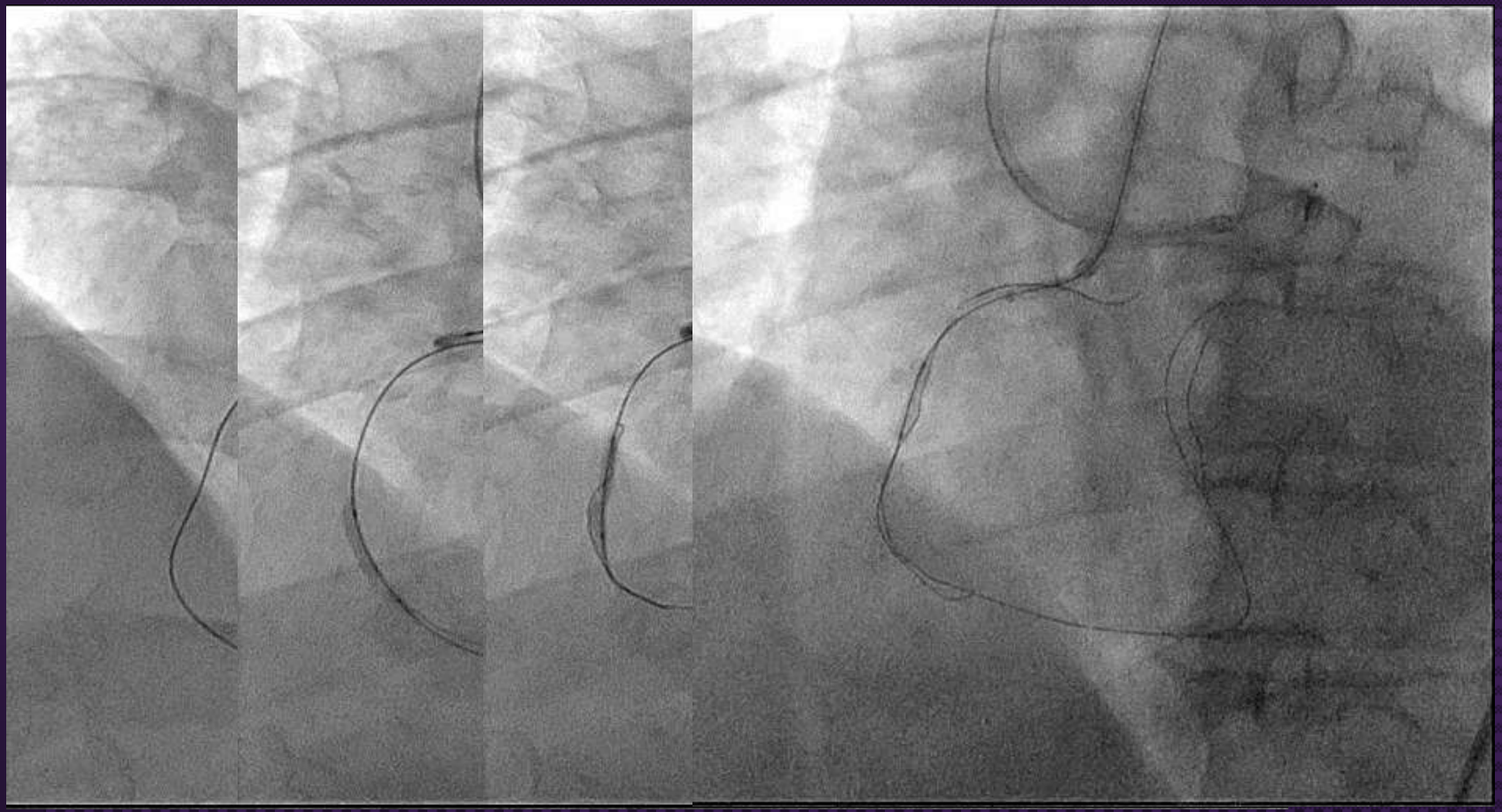
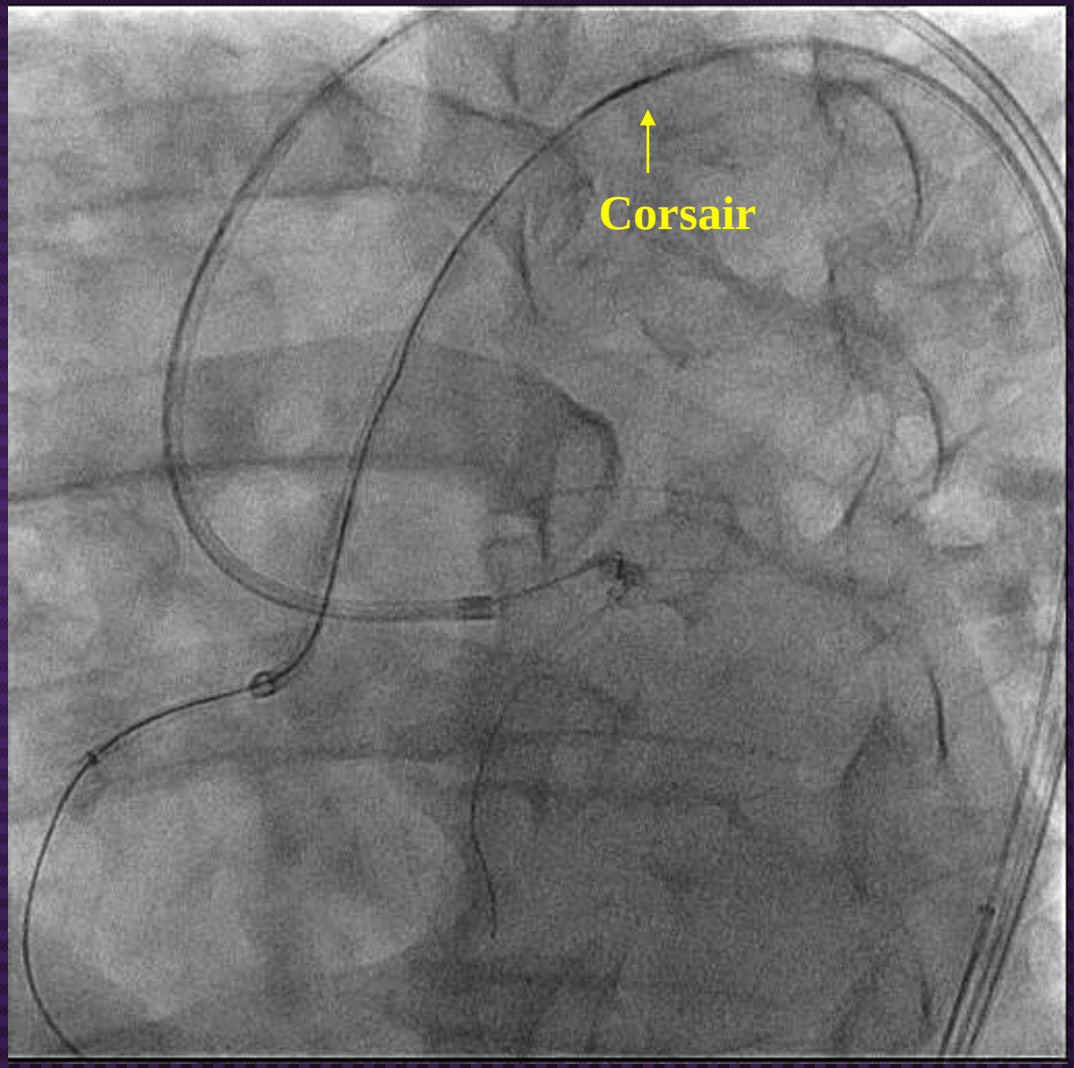


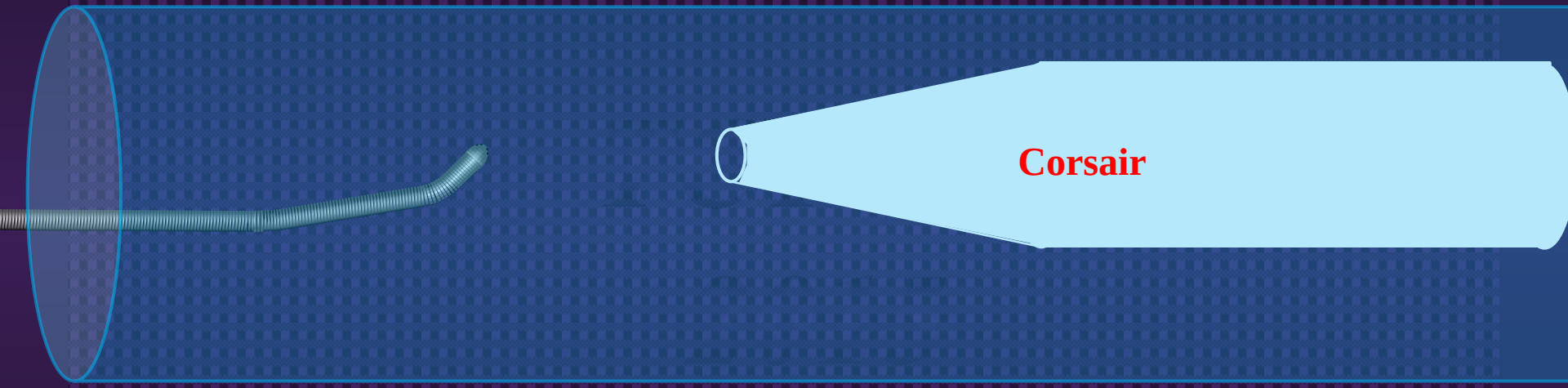
Length of CARAVEL was too short…

Case2: RCA CTO



Rendez-Vous between retrowire and antegrade Corsair at top of aortic arch

Concept of Rendez-Vous technique in GC



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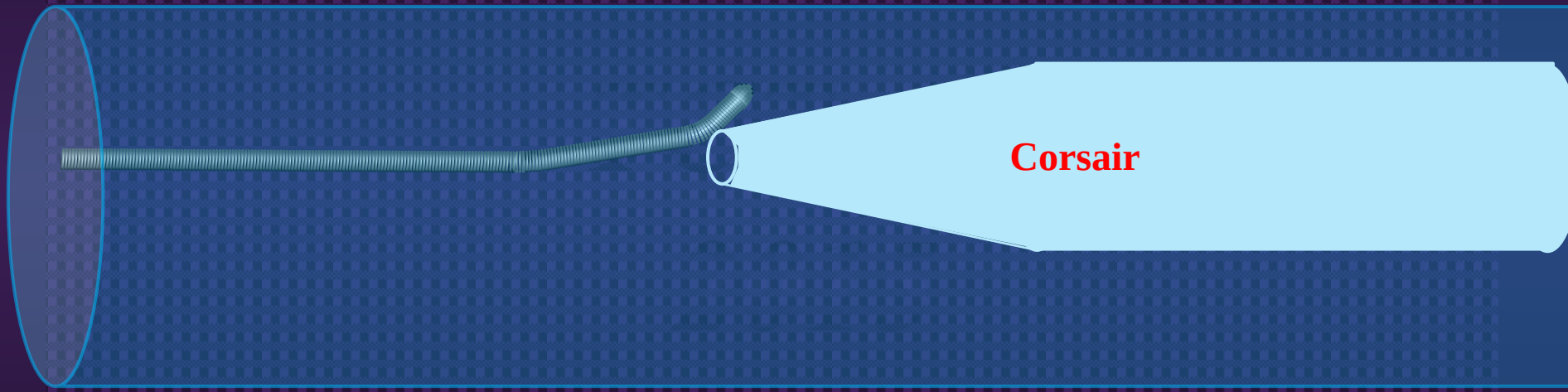

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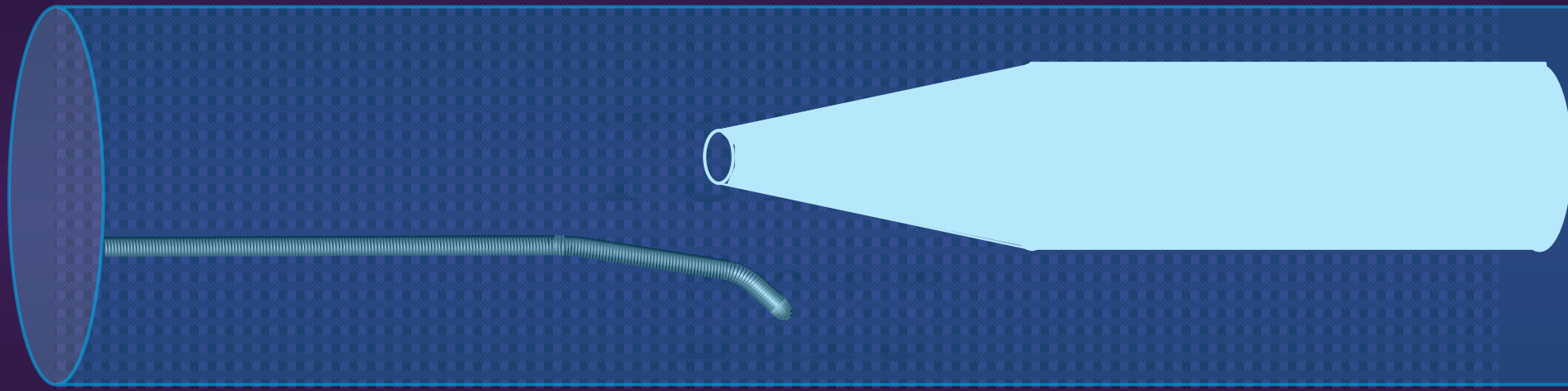

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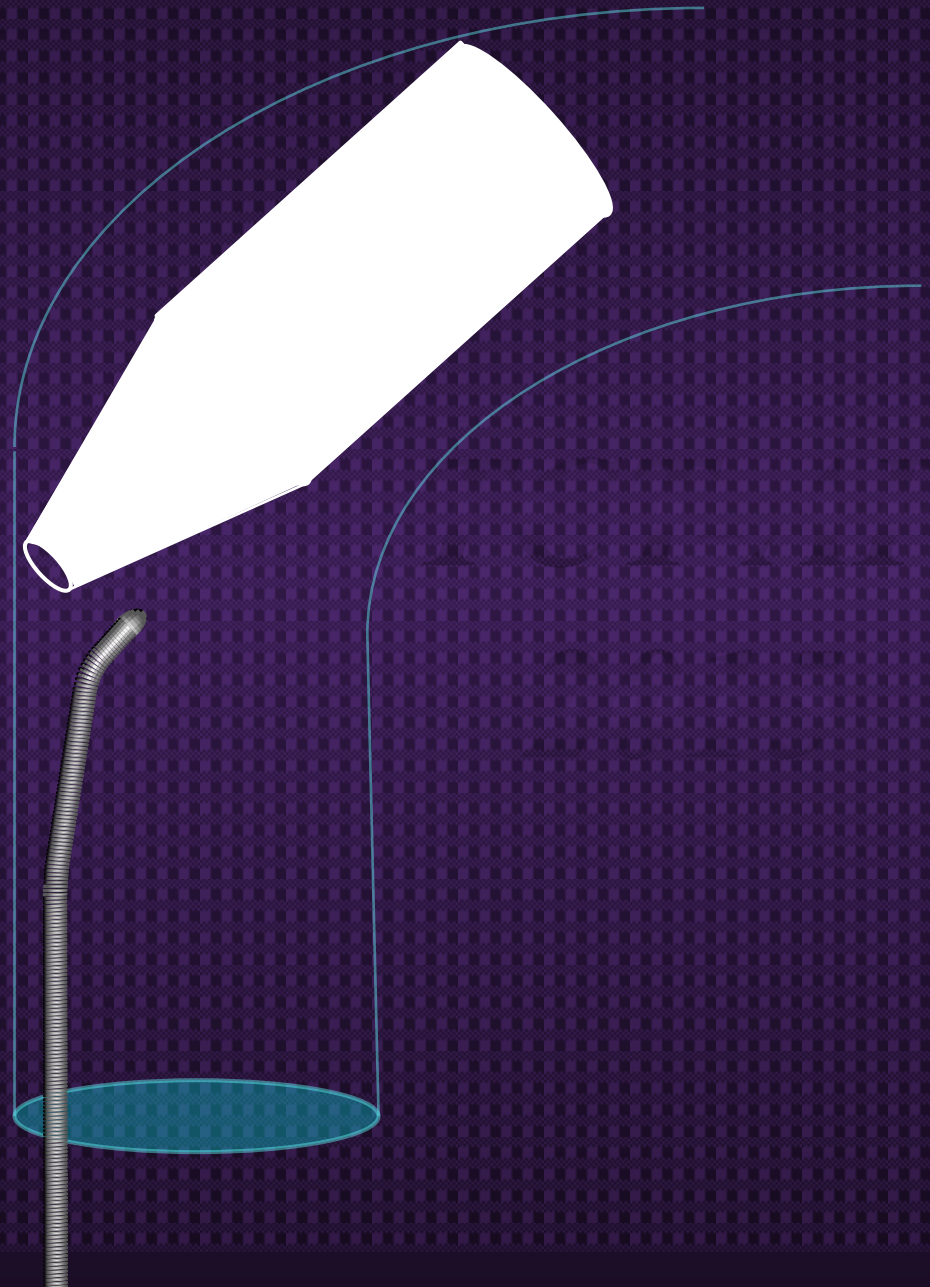

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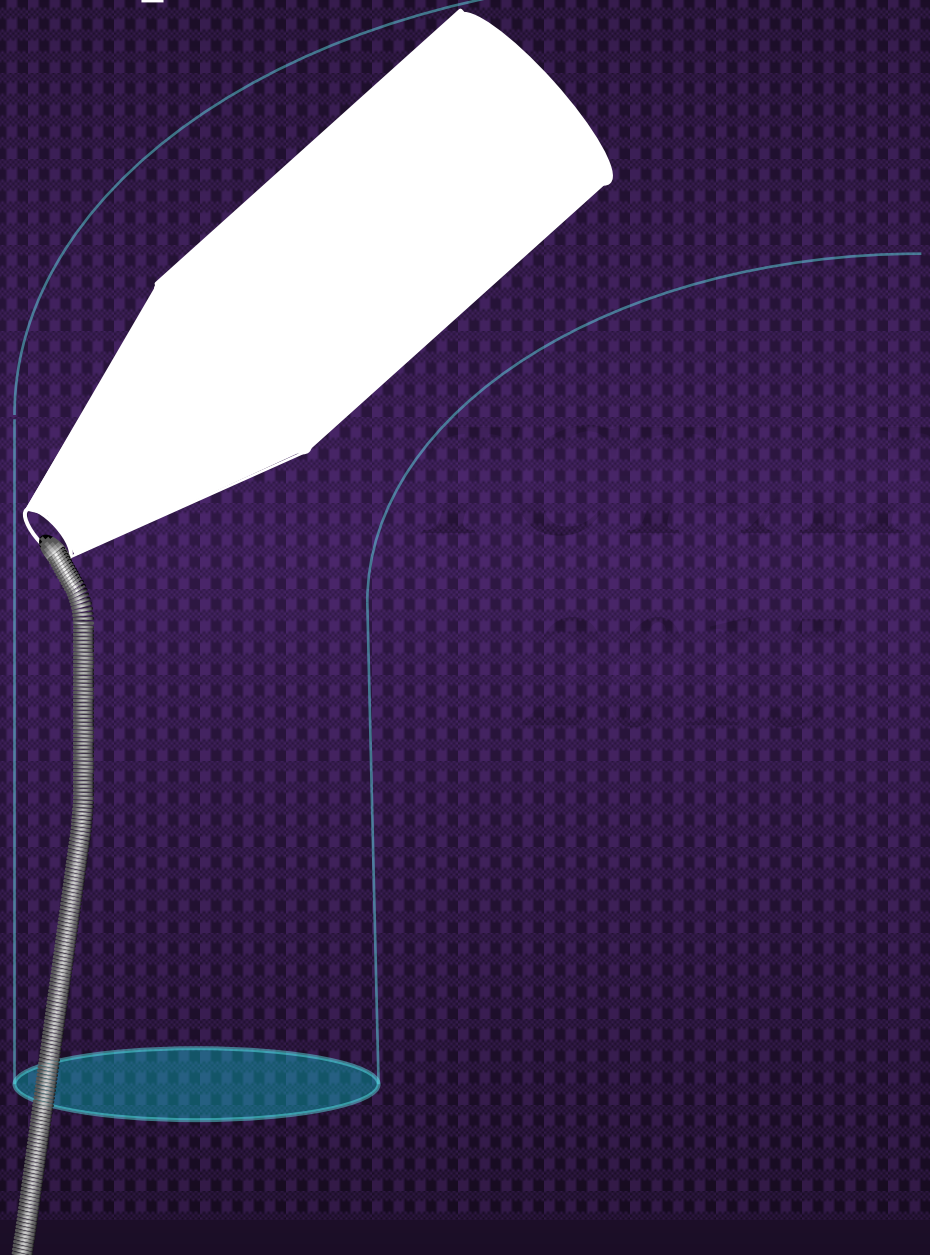

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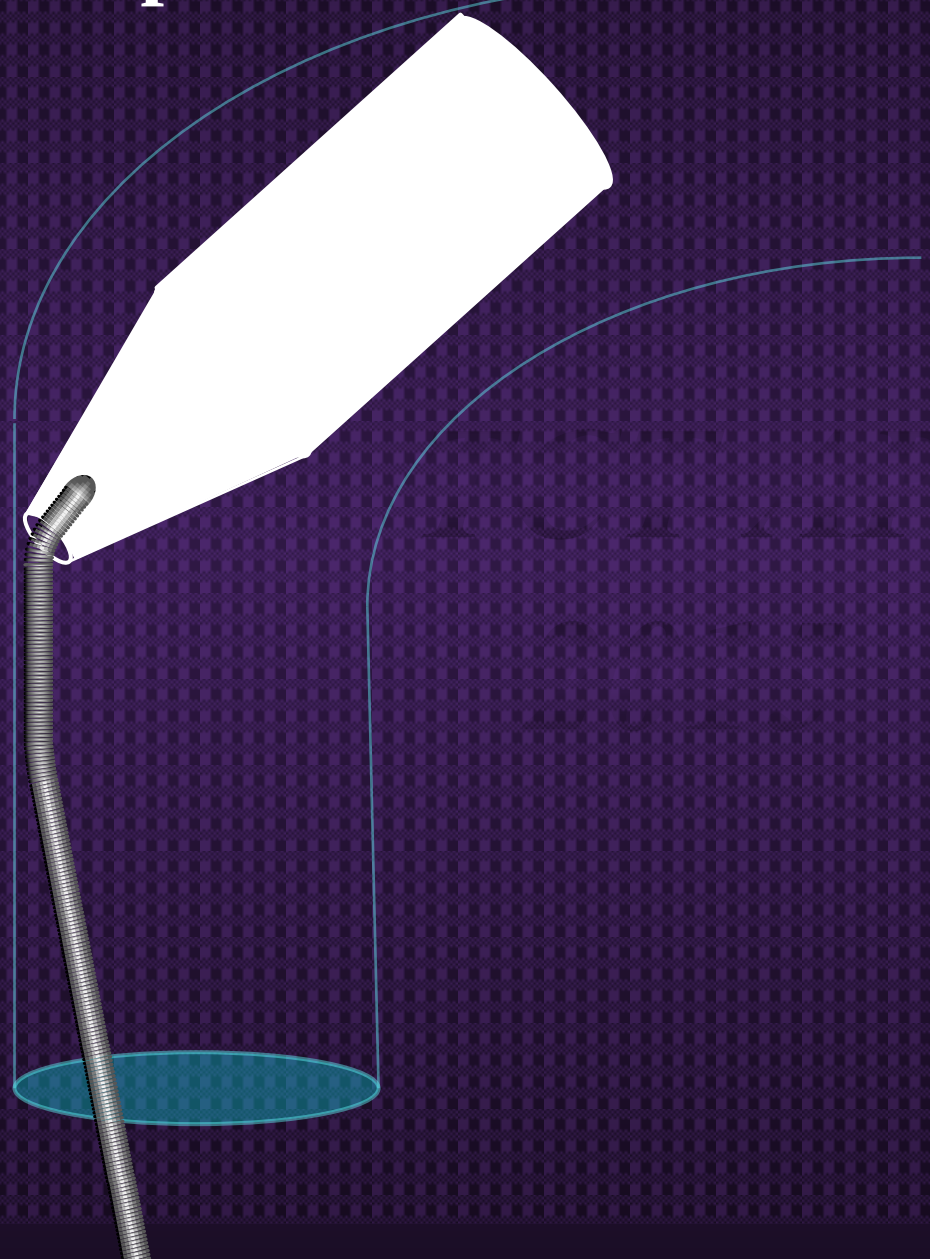
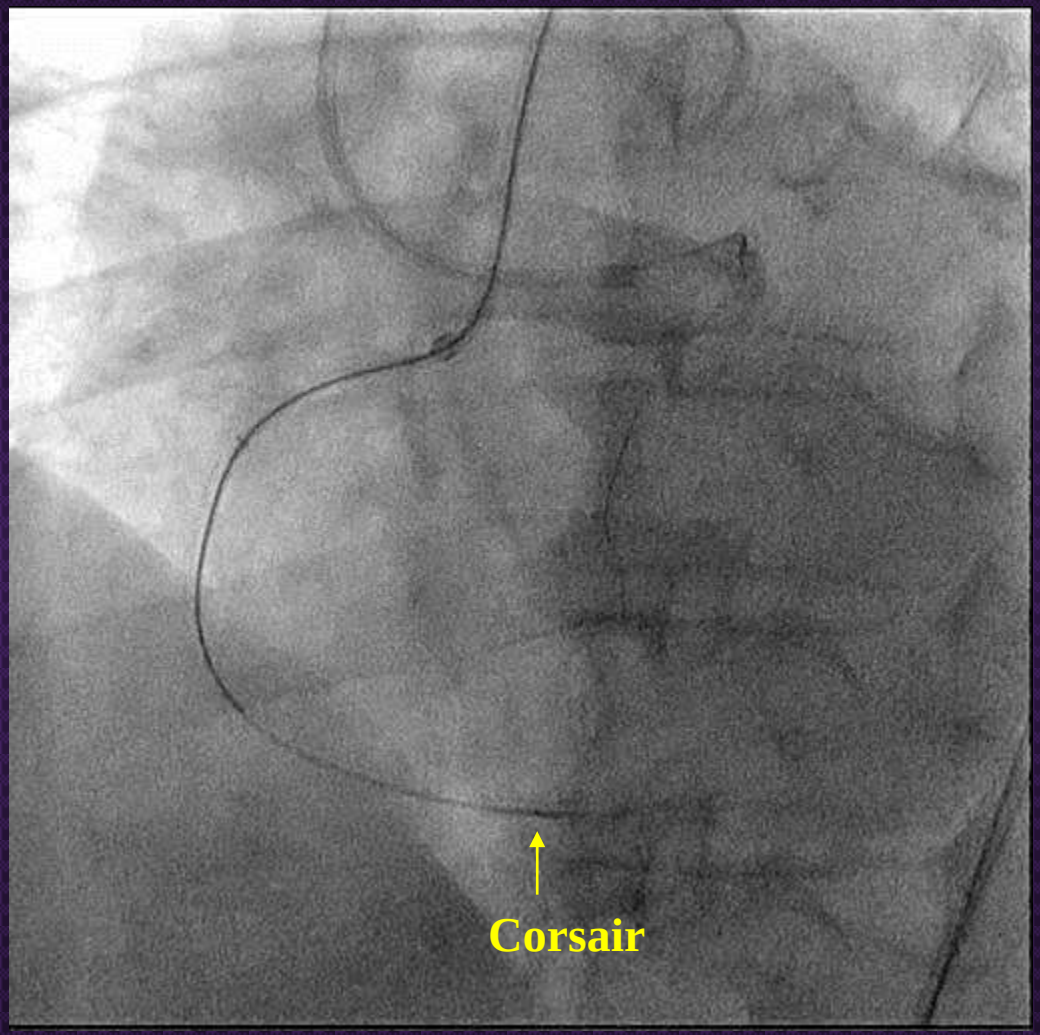


Case2: RCA long CTO



Antegrade Corsair could be advanced without strong back-up support

Usual strategy in retrograde PCI

Channel tracking

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Wire crossing in CTO

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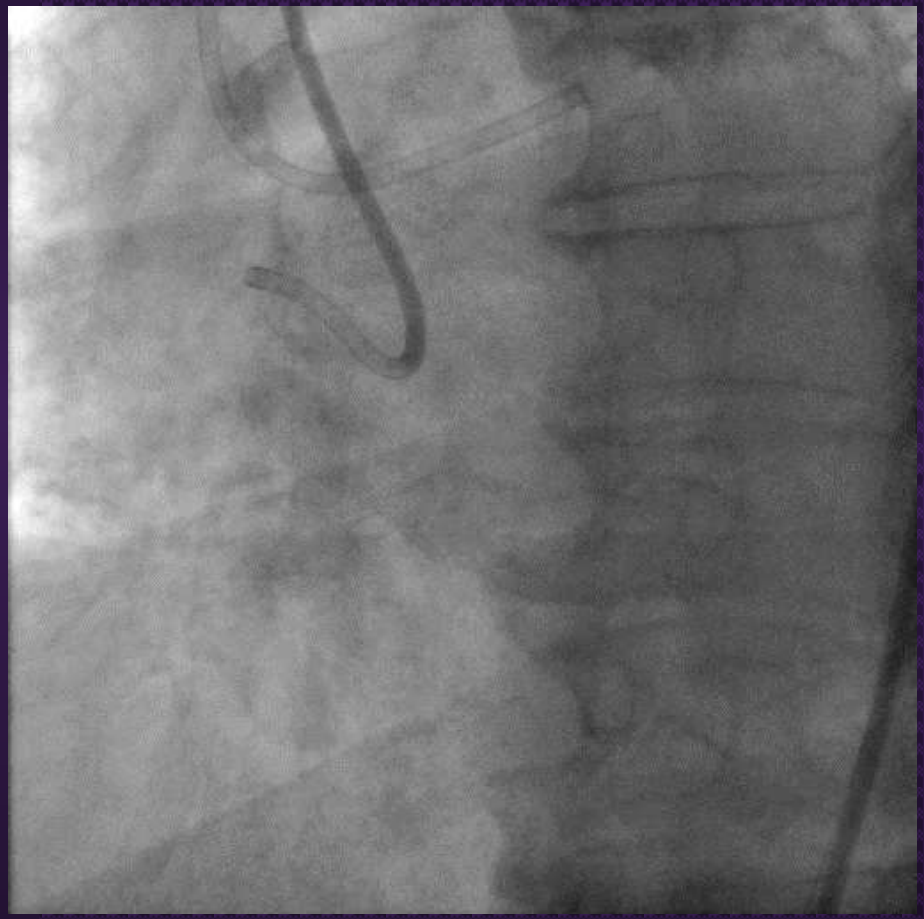
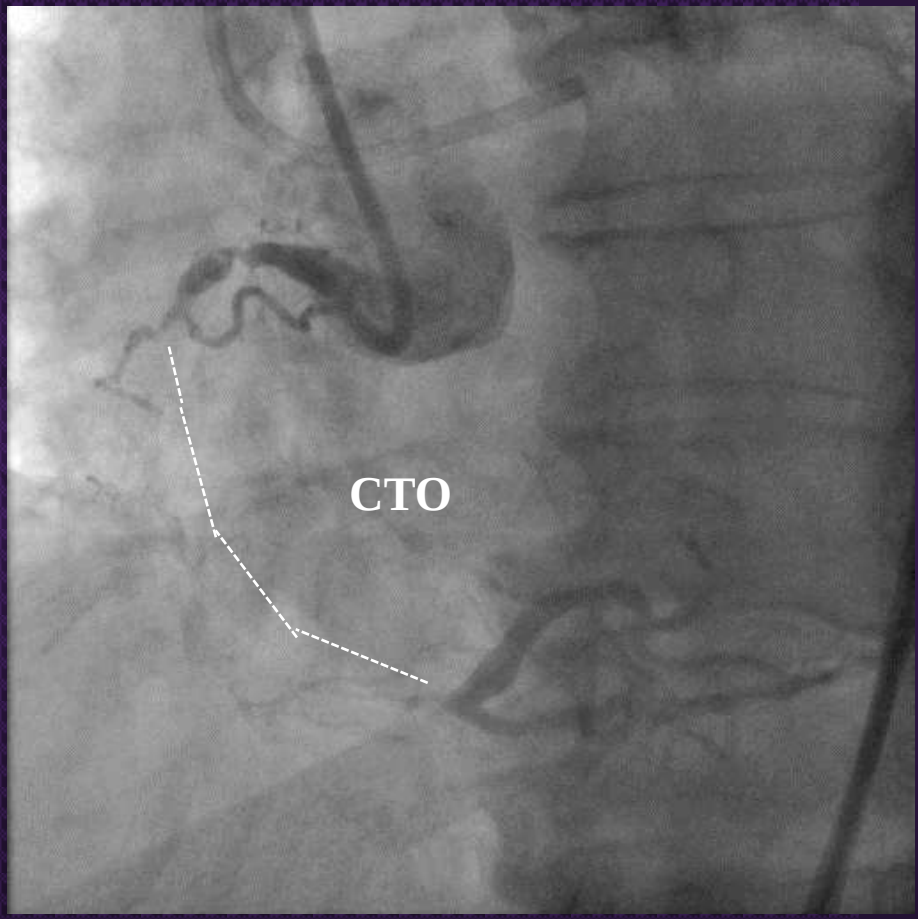
Corsair advancement to ante GC

- However, if Corsair (microcatheter) cannot advance to GC…
- However, if child catheter cannot pass the proximal cap or channel…
- However, if child catheter cannot be used…

Rendez-Vous technique in GC

Case3: Long CTO





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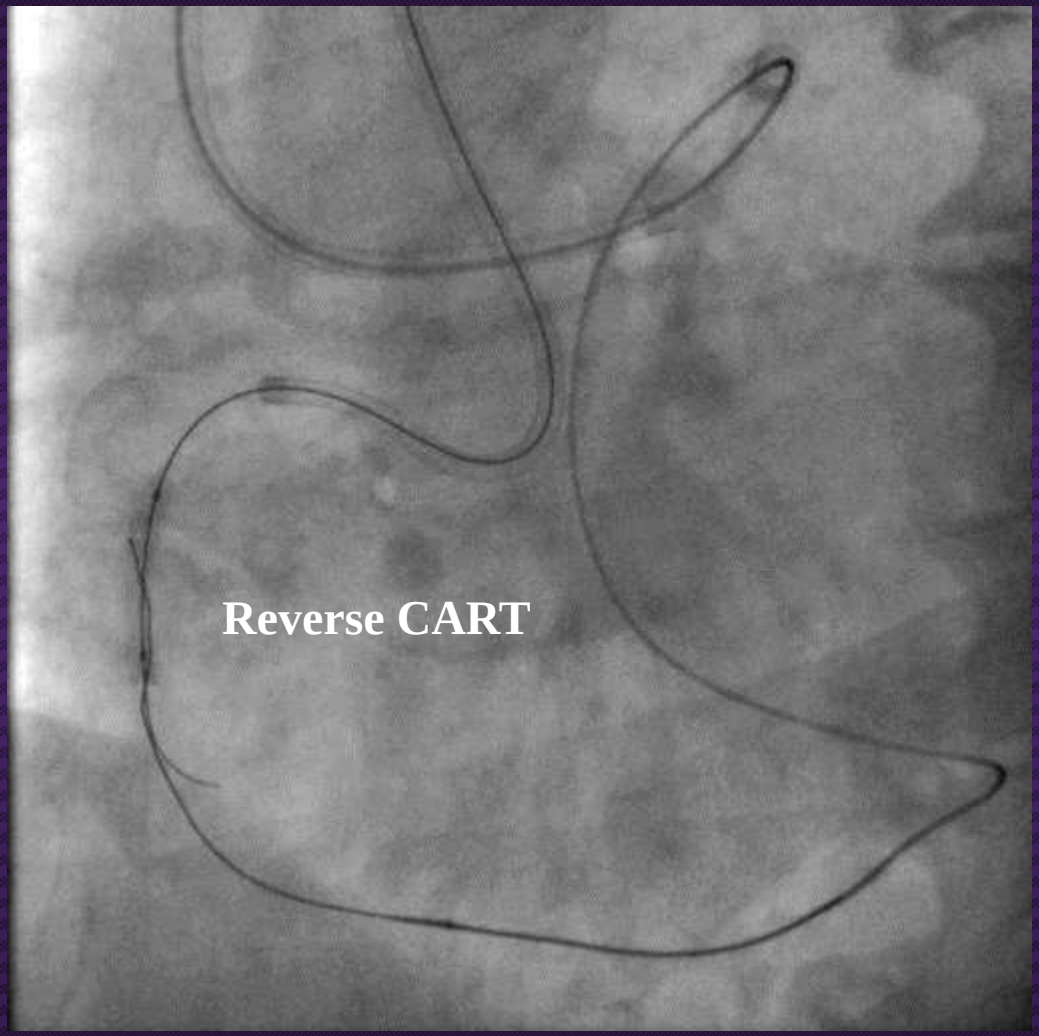

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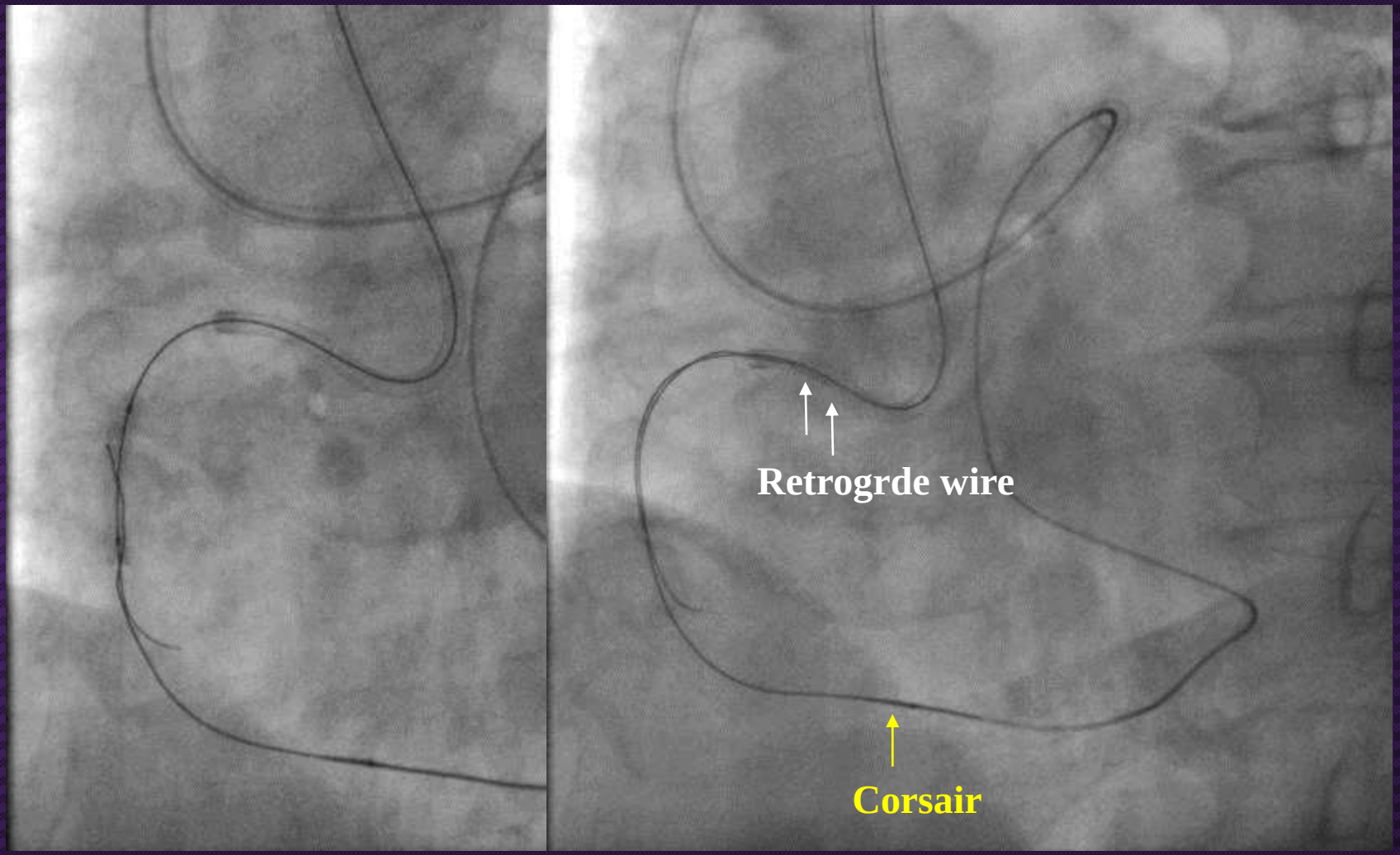

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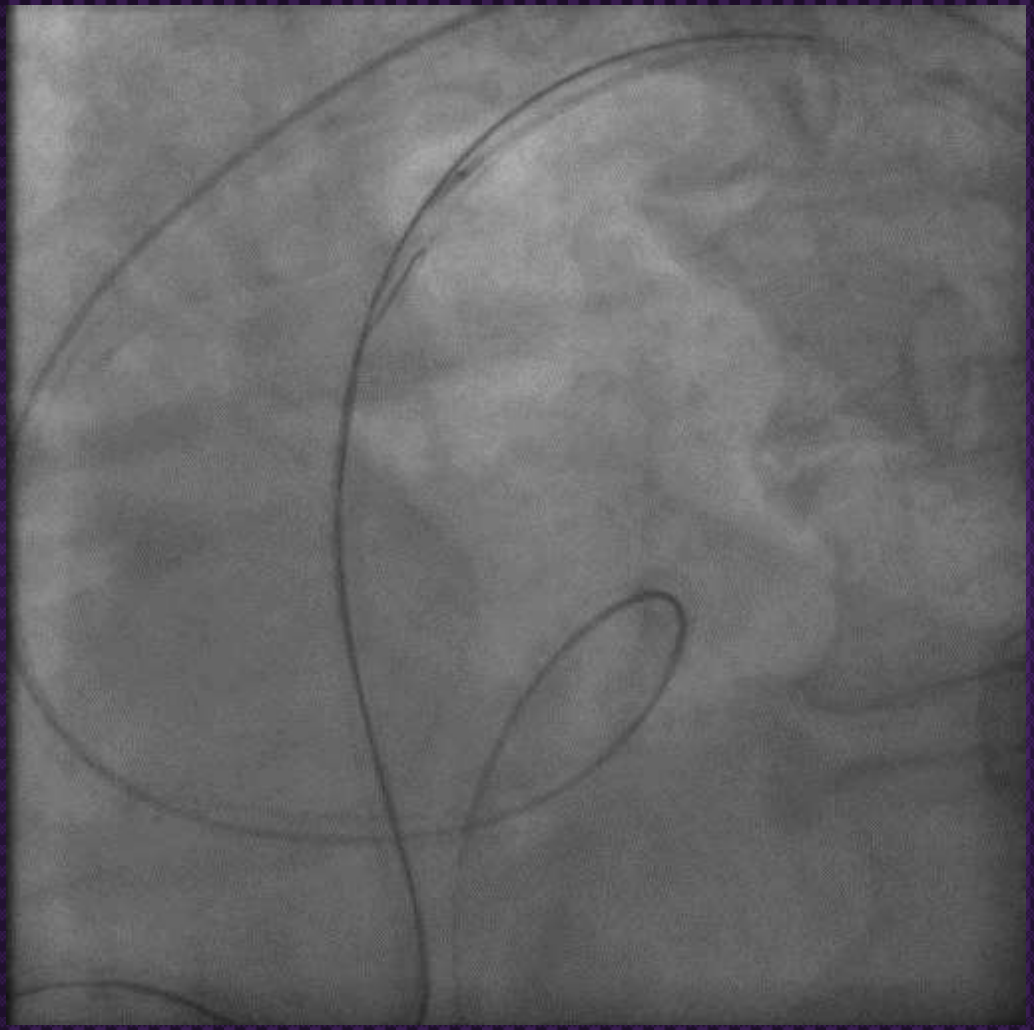

Rendez-Vous between retrowire and antegrade Corsair

Usual strategy in retrograde PCI

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Corsair advancement to ante GC

- However, if Corsair (microcatheter) cannot advance to GC…
- However, if child catheter cannot pass the proximal cap or channel…
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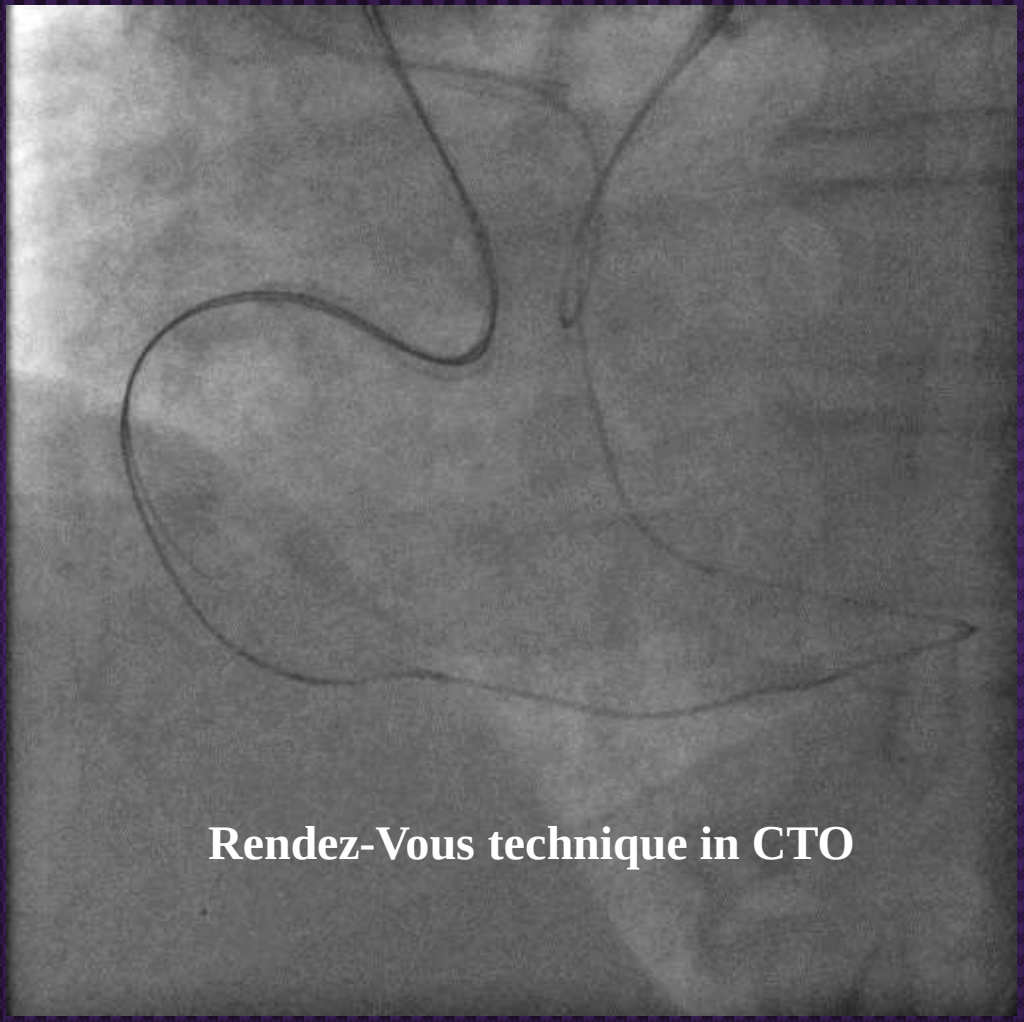
Rendez-Vous technique in GC

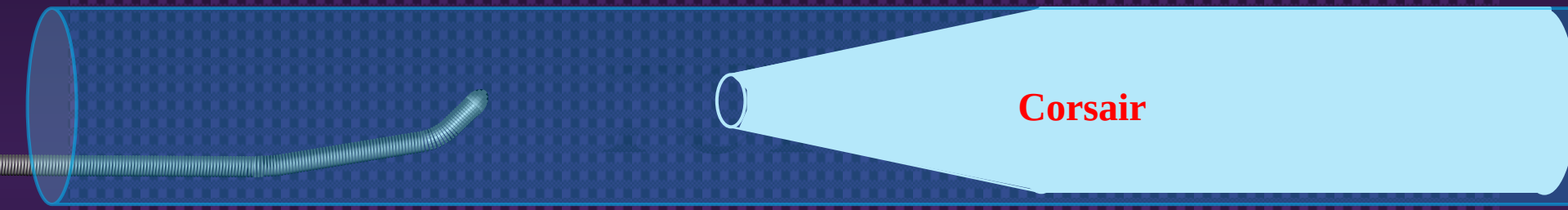
- Howeverm, antegrade Corsair could not always passed the CTO site...

Case3: Long CTO



Rendez-Vous between antegrade wire and retrogarde Corsair

Concept of Rendez-Vous technique in CTO



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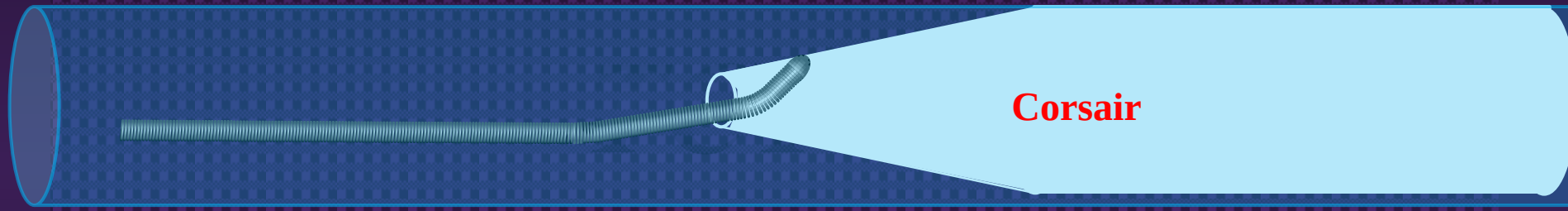

Usual strategy in retrograde PCI

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Corsair advancement to ante GC

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Rendez-Vous technique in GC

- Howeverm, antegrade Corsair could not always passed the CTO site...

Rendez-Vous technique in CTO site

Summary

- **If retrograde Corsair (micro-catheter) cannot pass the CTO site…**

  → Mother-child technique using by GuideLiner is 1st option to complete externalization.

- **If mother-child technique cannot be used…**

  → Rendez-Vous between retrowire and antegrade Corsair is 2nd option.

  Antegrade Corsair should be located at the top of aortic arch to make bias.