

Amazing!
Crossing
A super fine channel
At Retrograde PCI

Hokusetsu General Hospital

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TO

Case: 50 T.O. Male

Coronary risk factor: HT, HLP, Smoking

Target lesion: RCA CTO

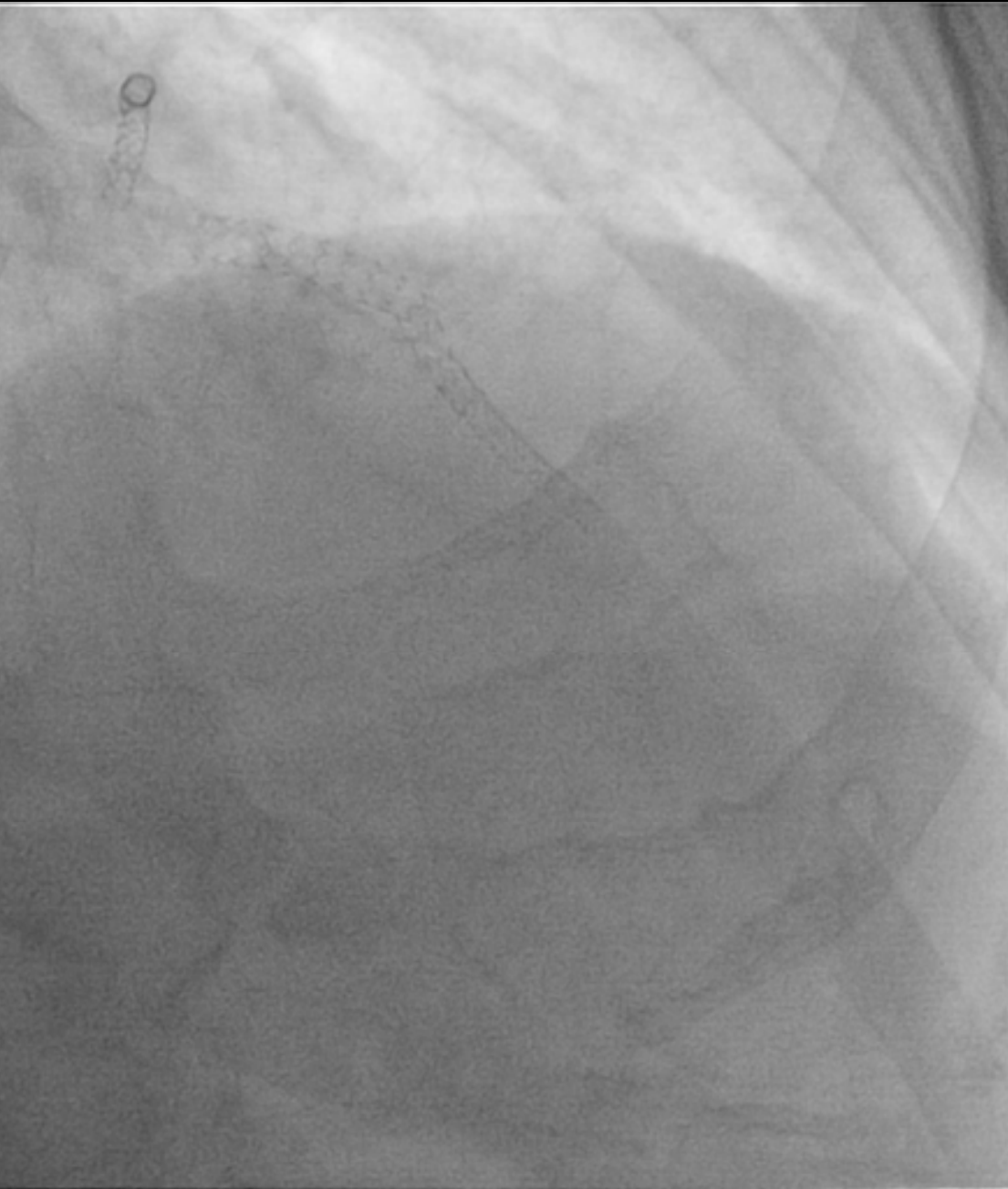
Previous PCI history:

- LAD for ACS in December 2010
- LCX for AP in March 2011
- PCI for RCA CTO was failed in December 2010 and some huge subintima was made

Case: J.J. M. M.

There was RCA CTO residual lesion. LV function was low. So, we decided to do PCI for RCA CTO lesion in August 2011.

ORIG (LOW)

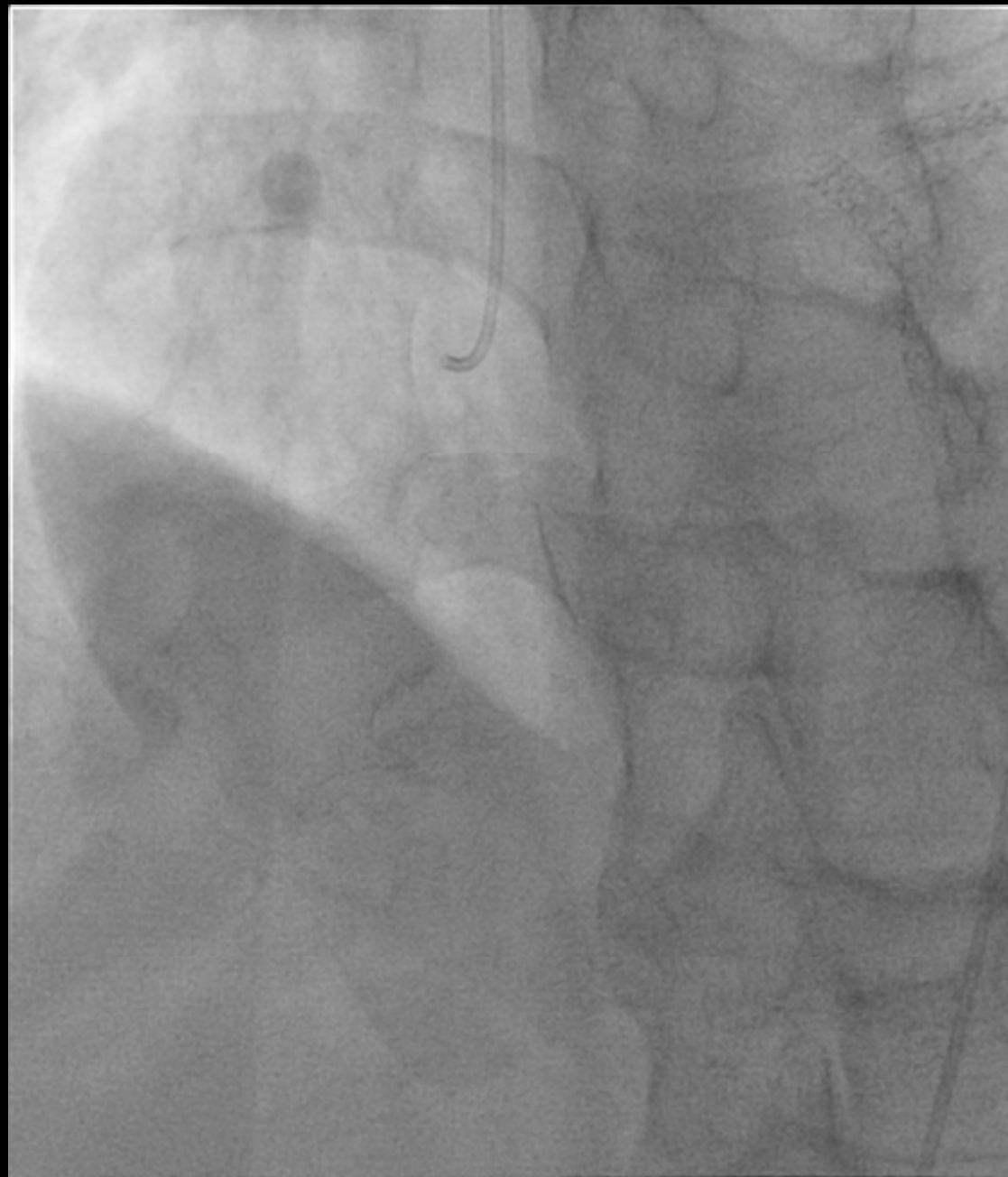


BAO CRA



BAO CAU

07/10 (10/17)



11/10

11/10

PCI strategy

we decided to do retrograde PCI

cause of

Previous PCI from antegrade was failed with making big subintima

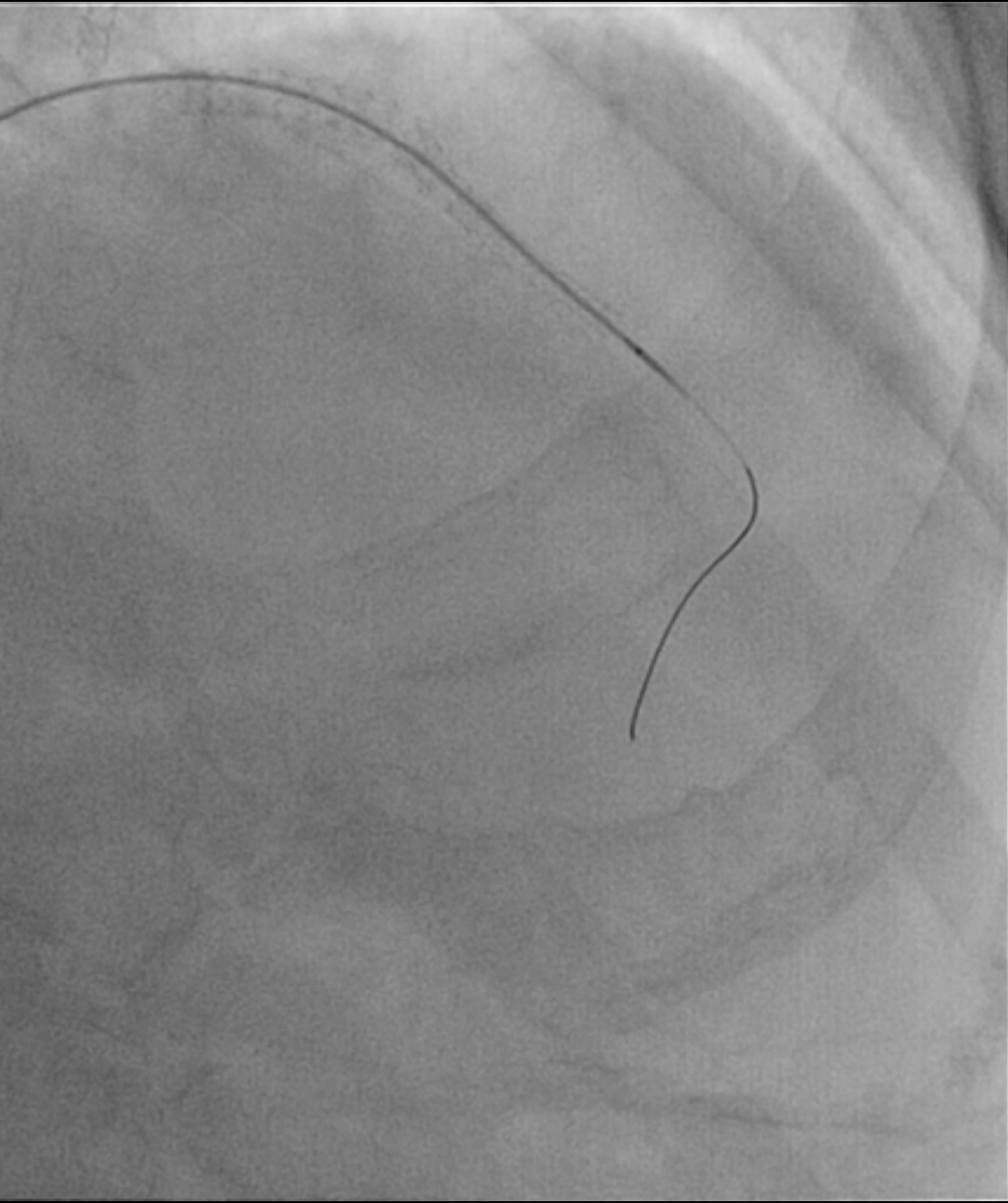
To prevent side branch (AV & PD) occlusion in the distal end of CTO

There might be some channels to RCA from LAD & LCX

PCI system: Bilateral femoral artery approach

antegrade: 7F Launcher SAL1.0

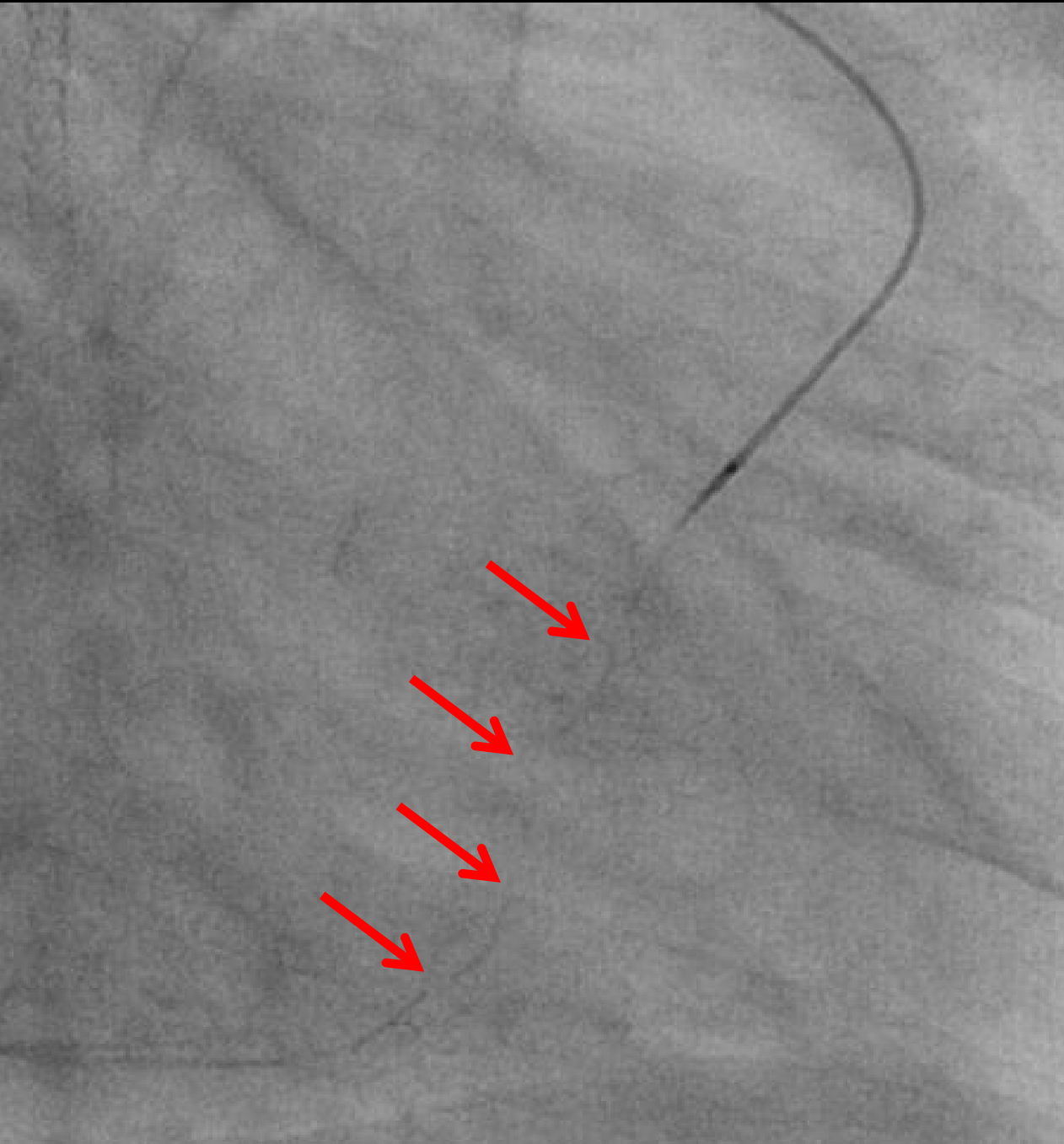
Hip Injection



Hip Injection



Channel Negotiation



I couldn't find better another connection.

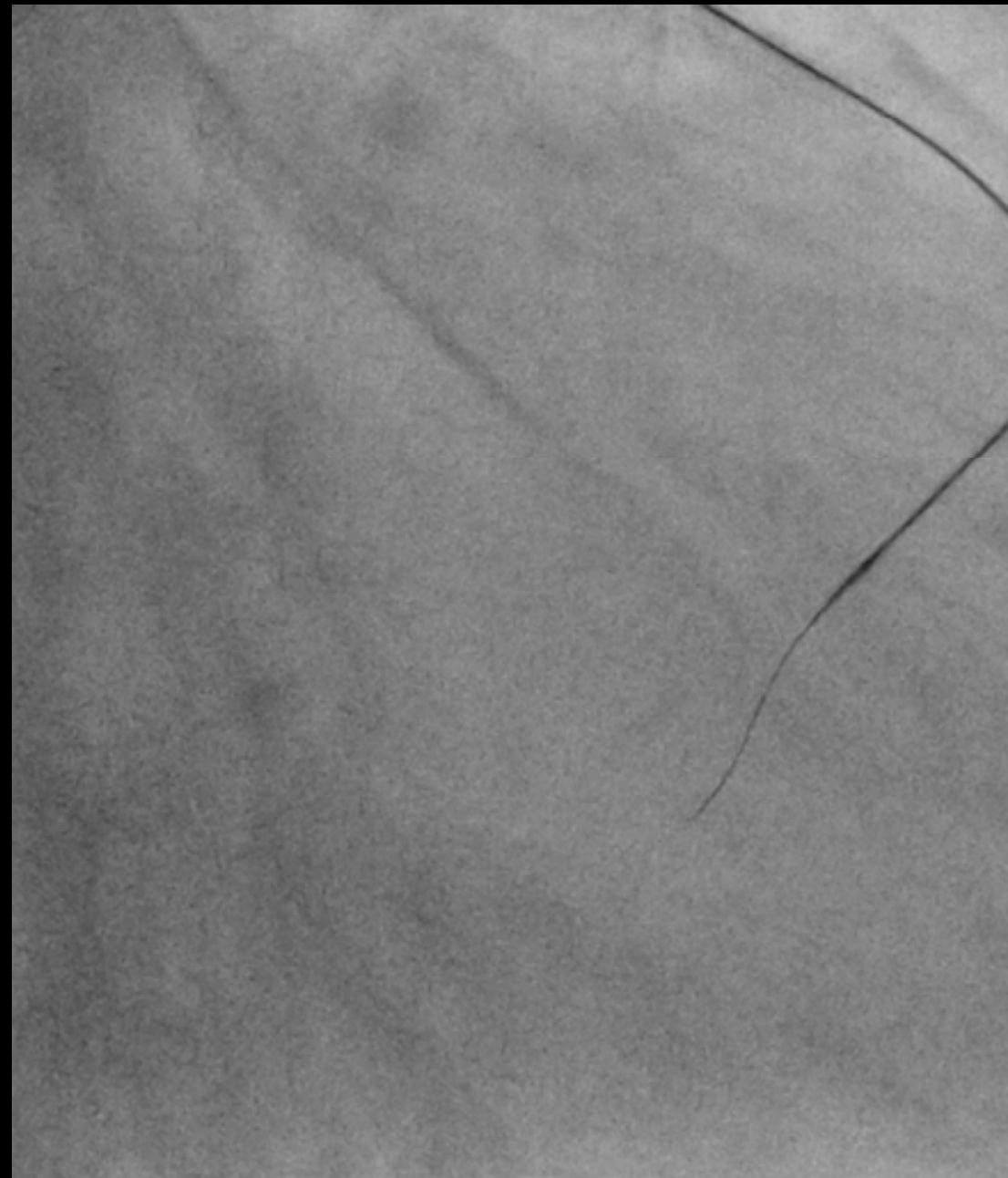
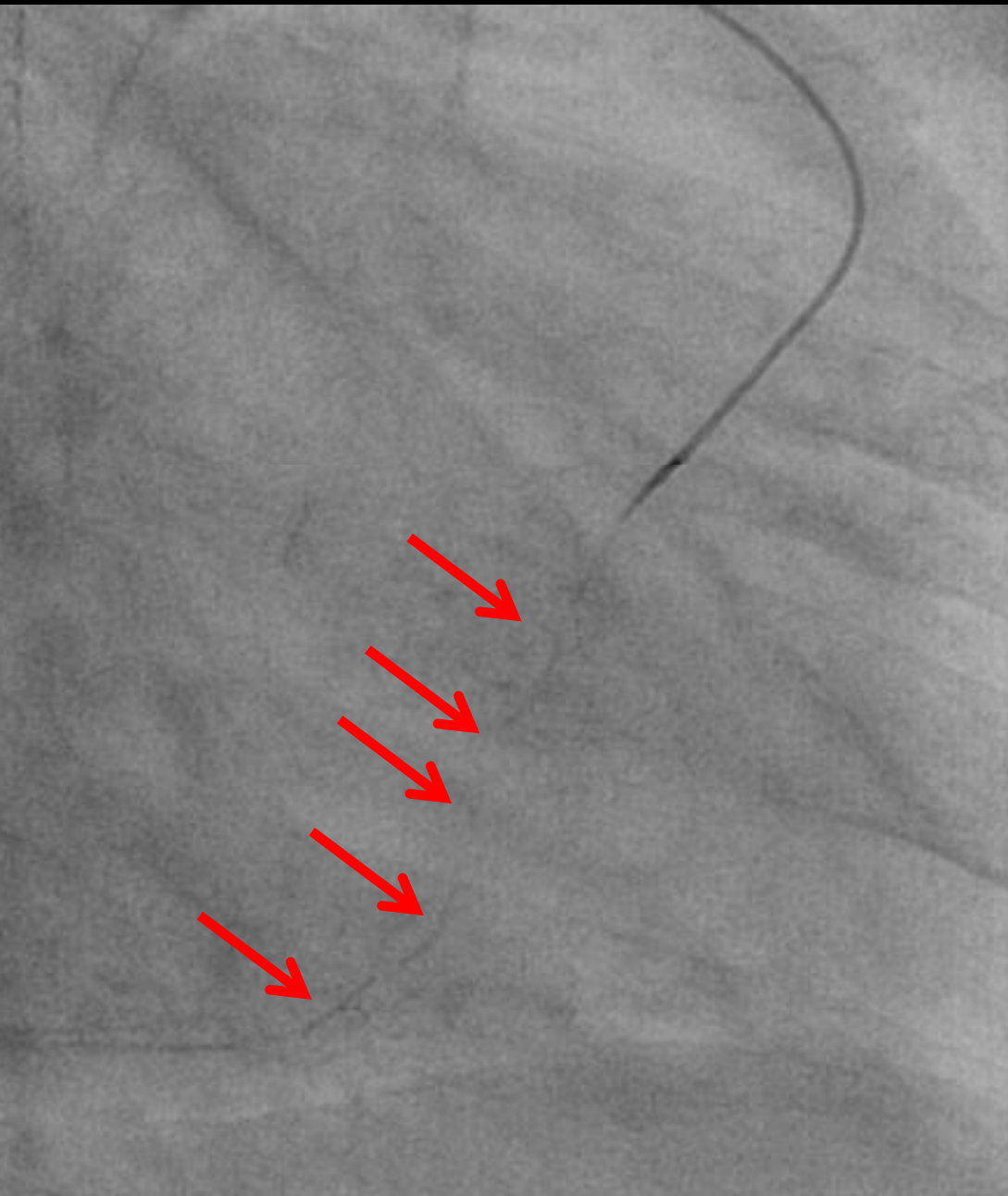
The channel was **super fine!!**

Channel perforation risk was very high.

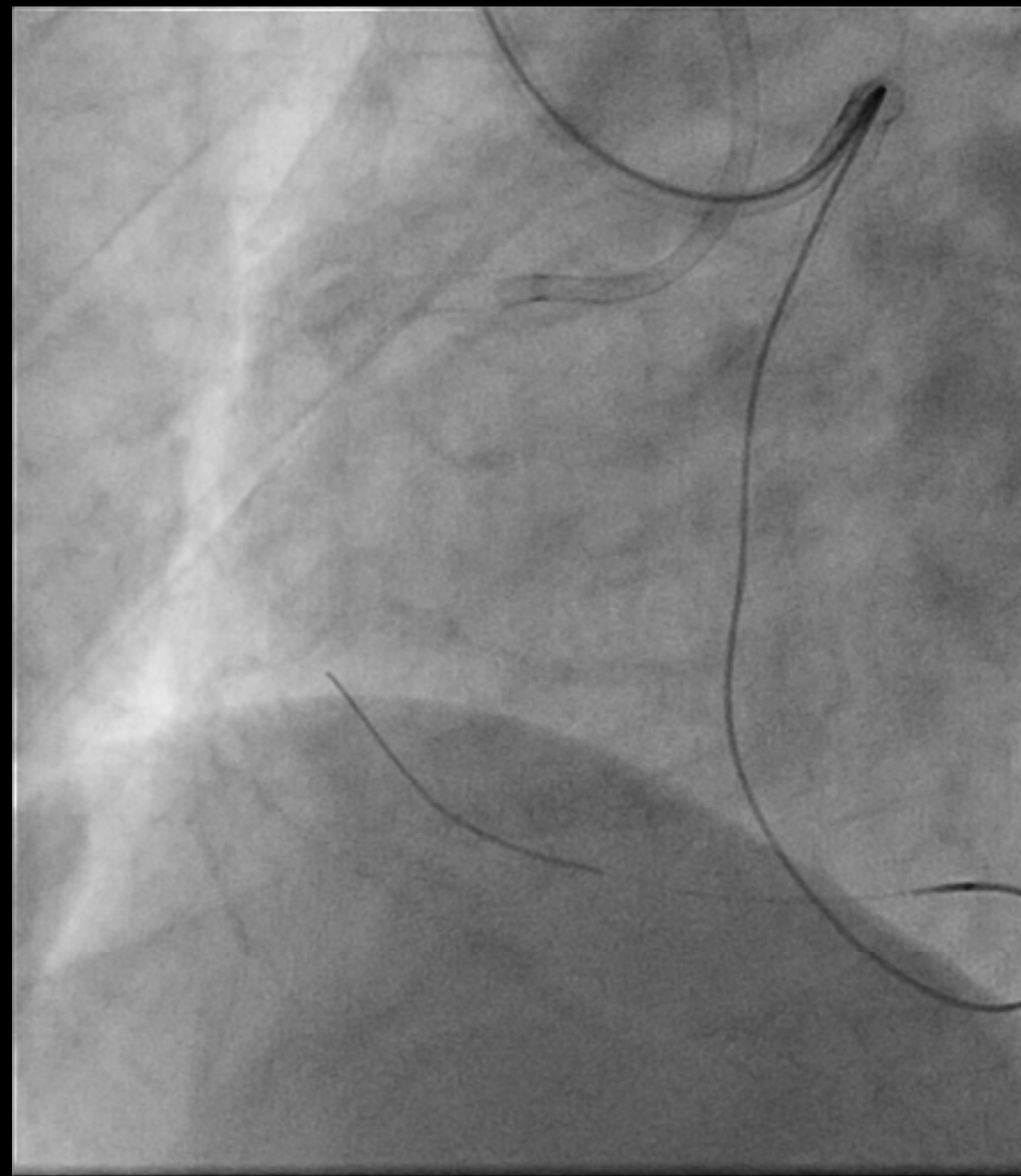
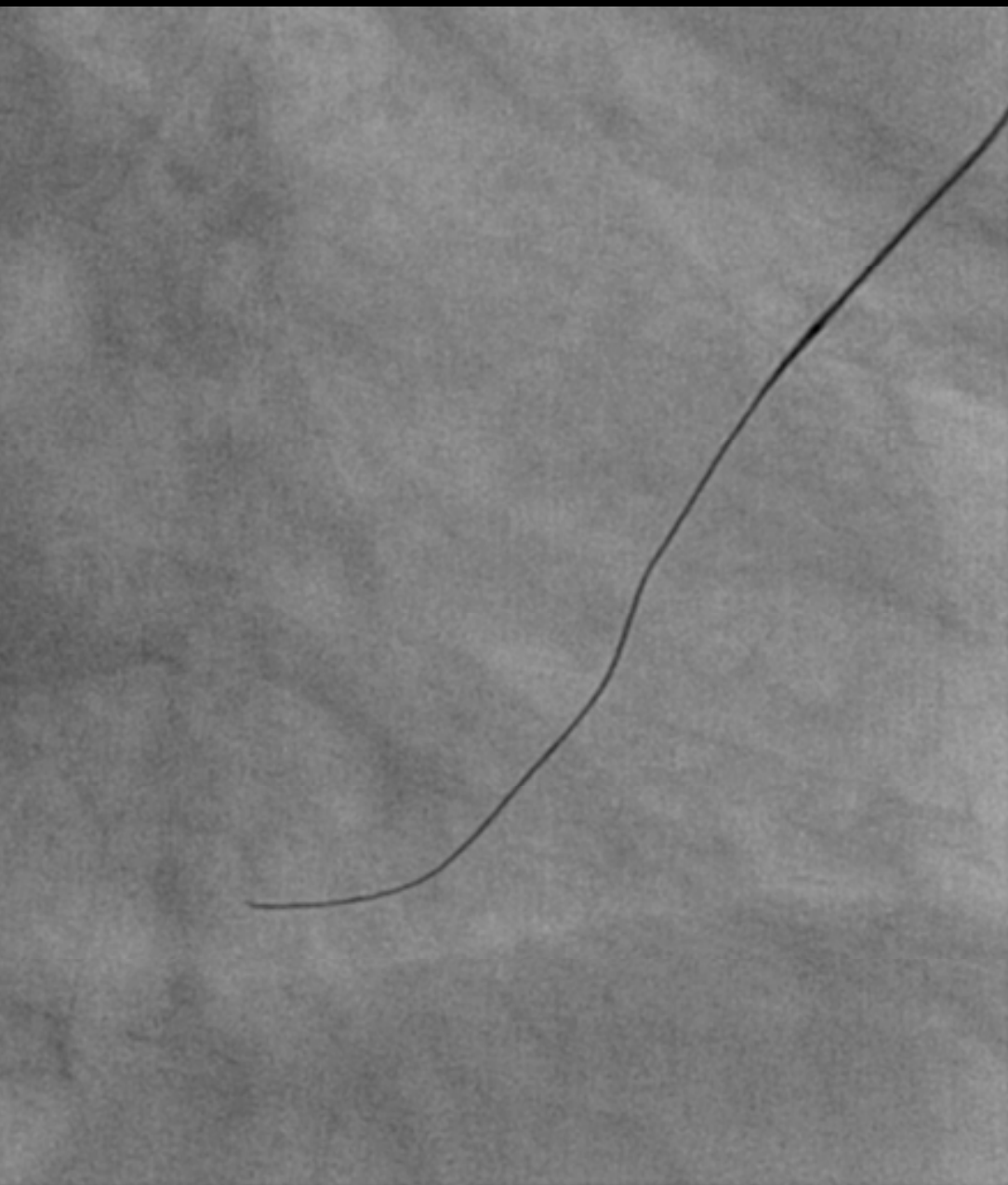
But I challenged to cross the channel.

I chose a **XT-R wire.**

Channel Negotiation



Retrograde wire crossing

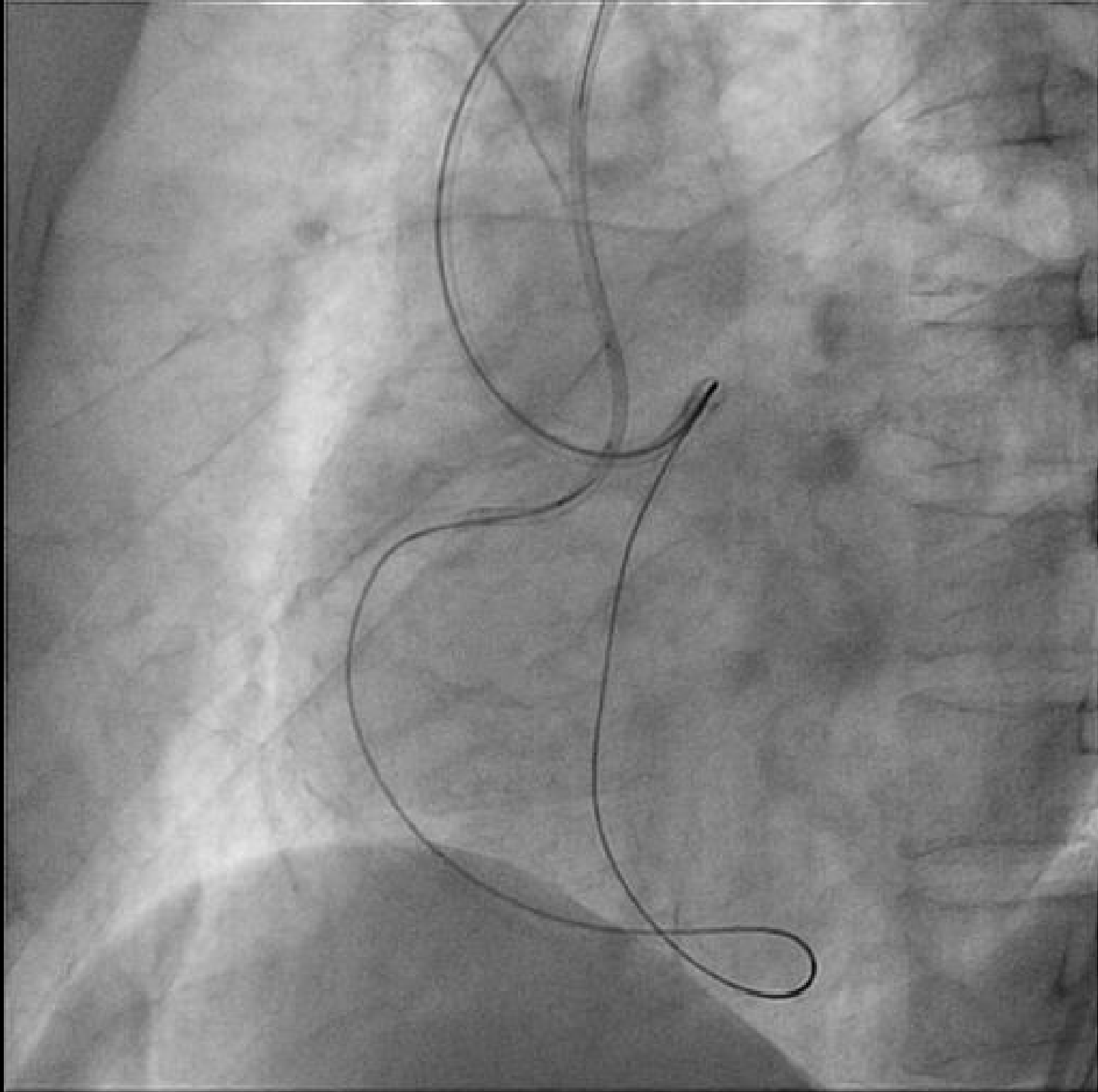


After crossing the channel with Corsair

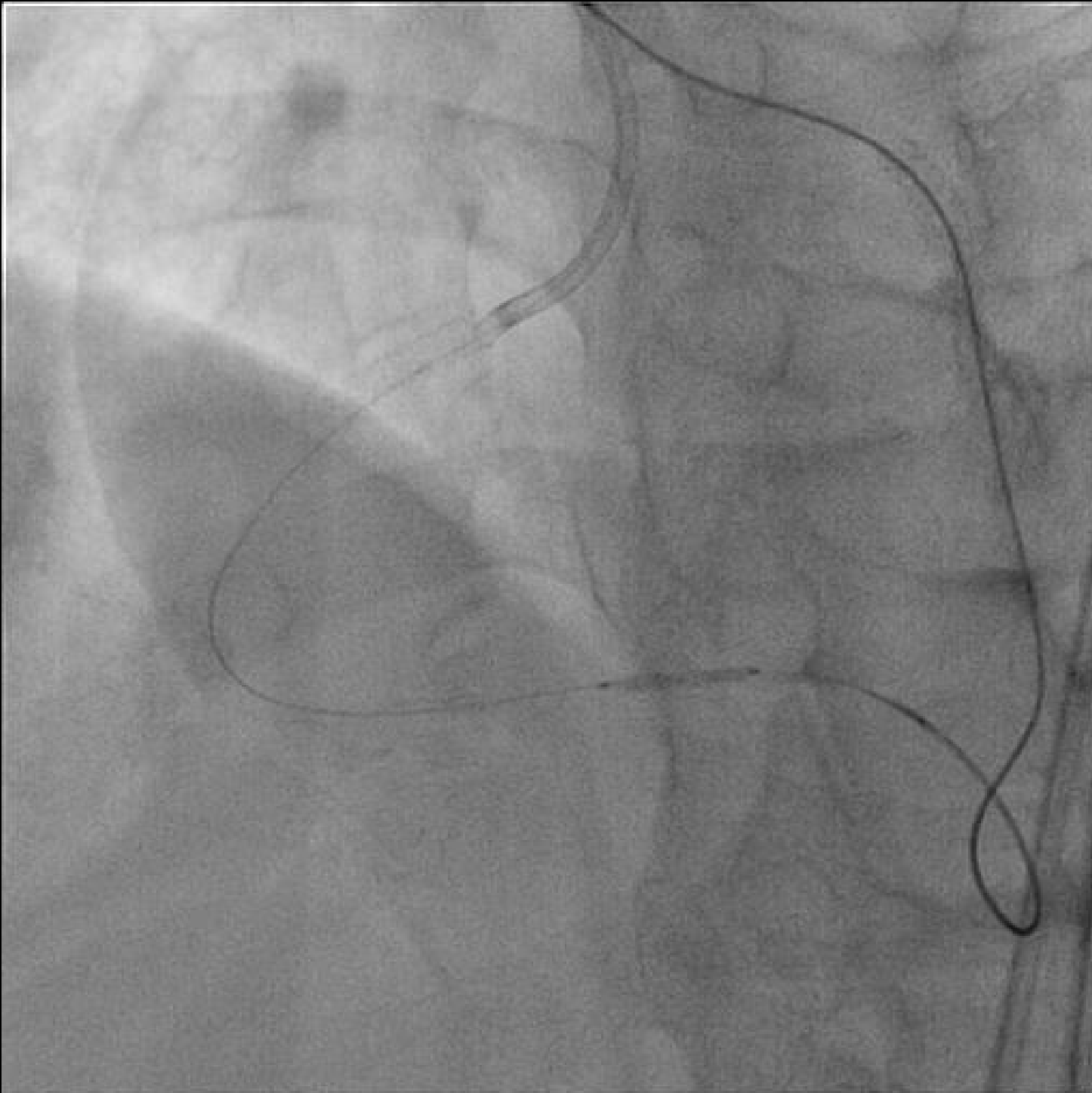


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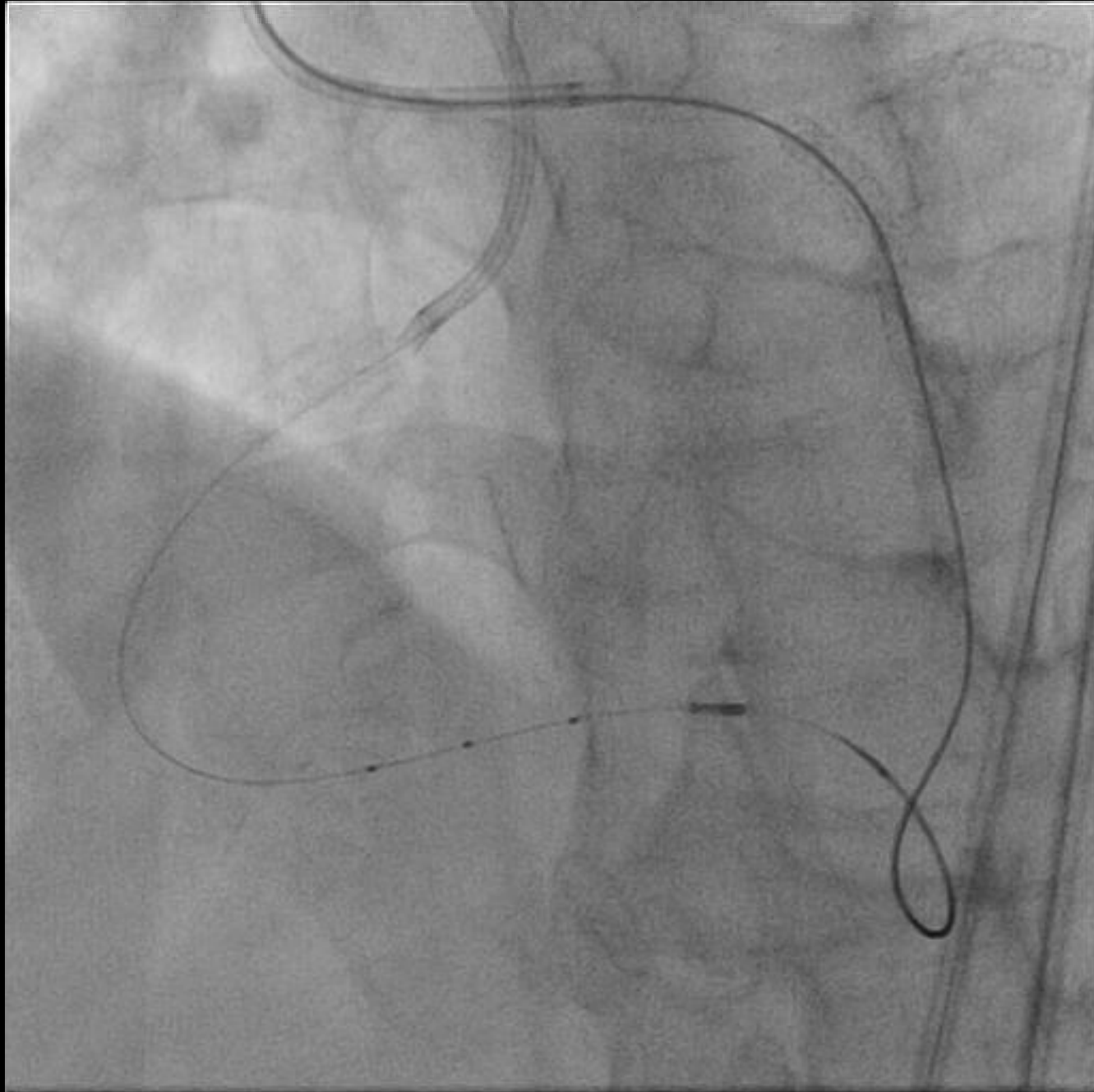
Externalization



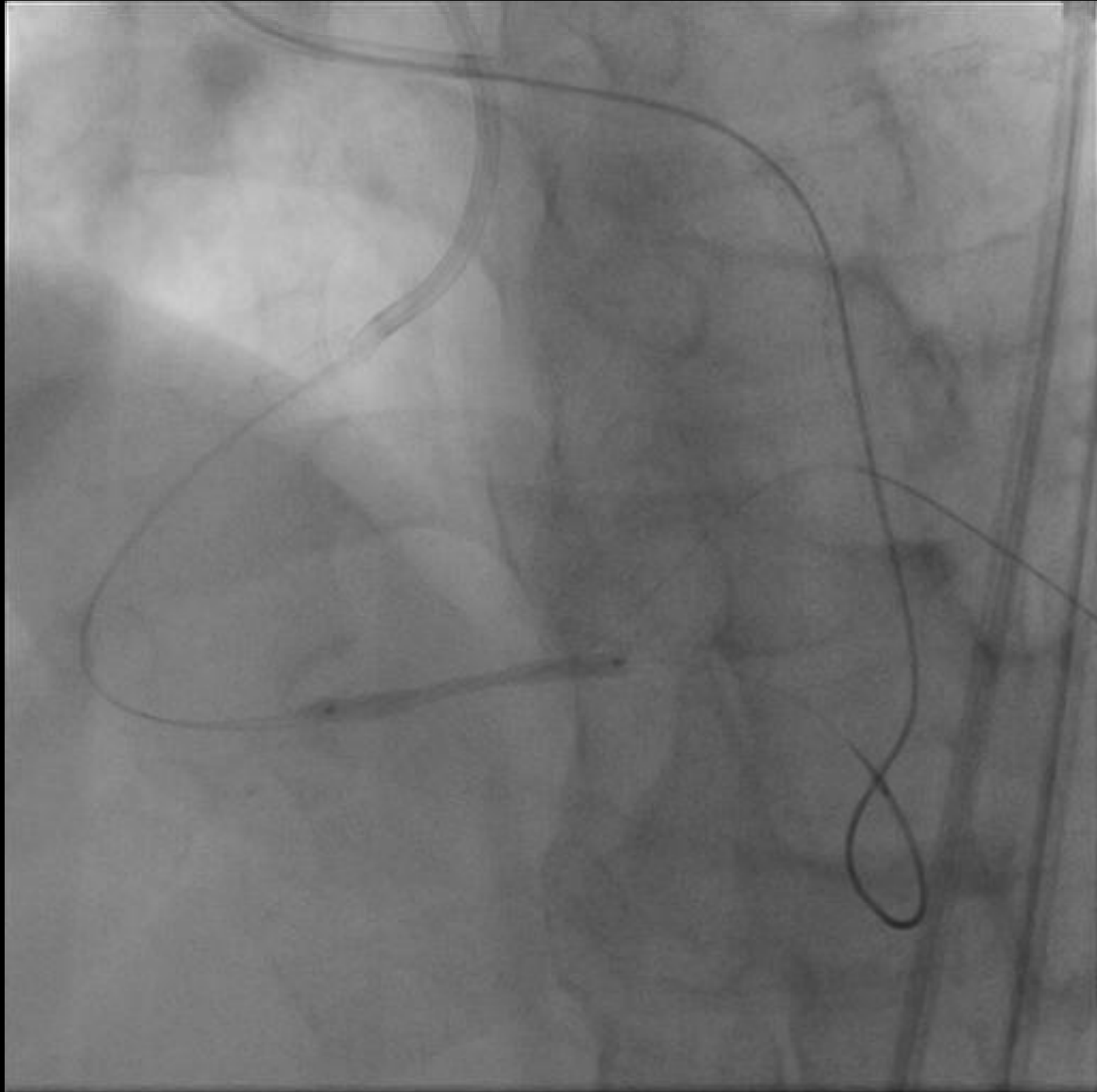
Ballooning



IVUS

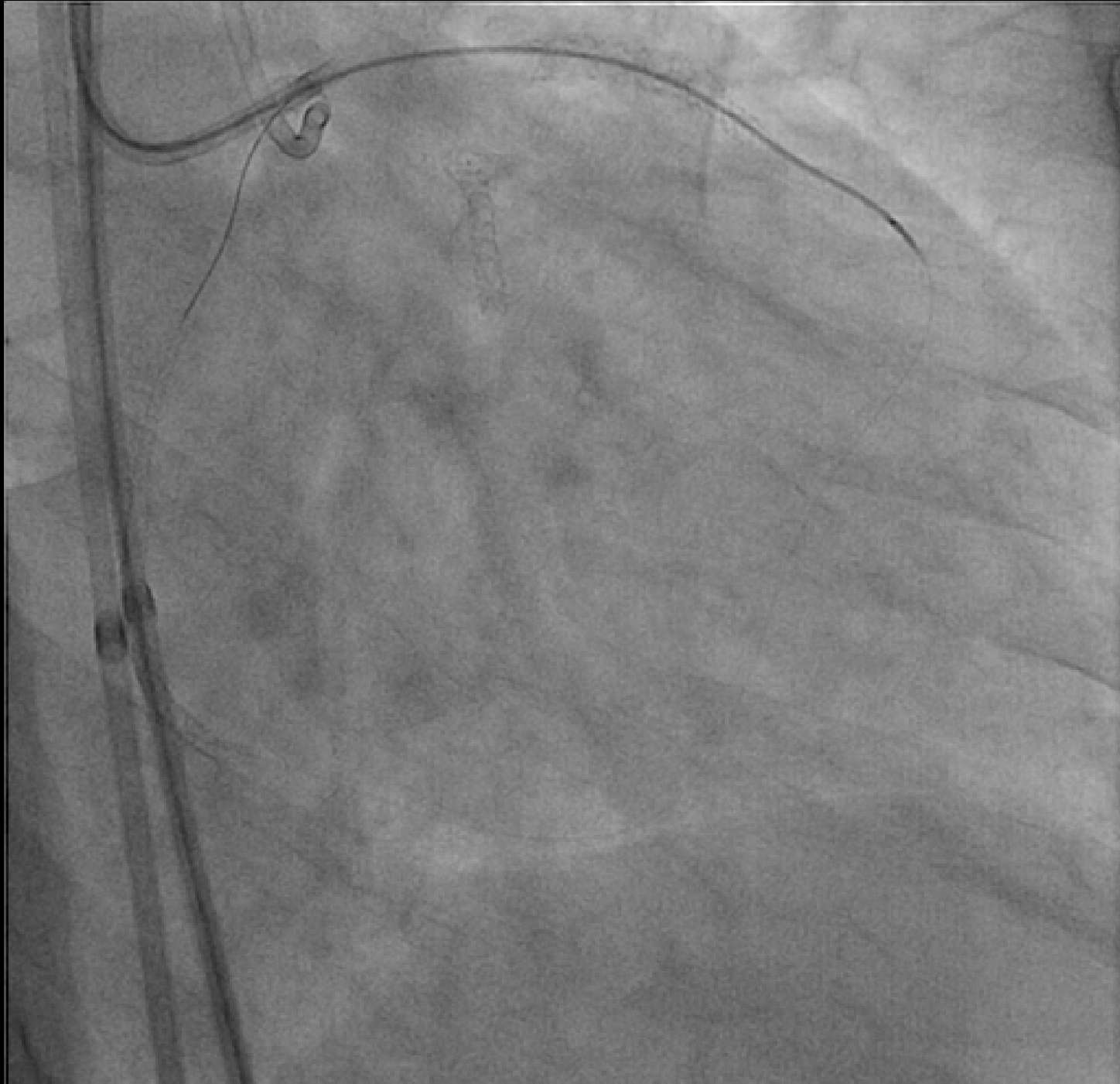


Stenting

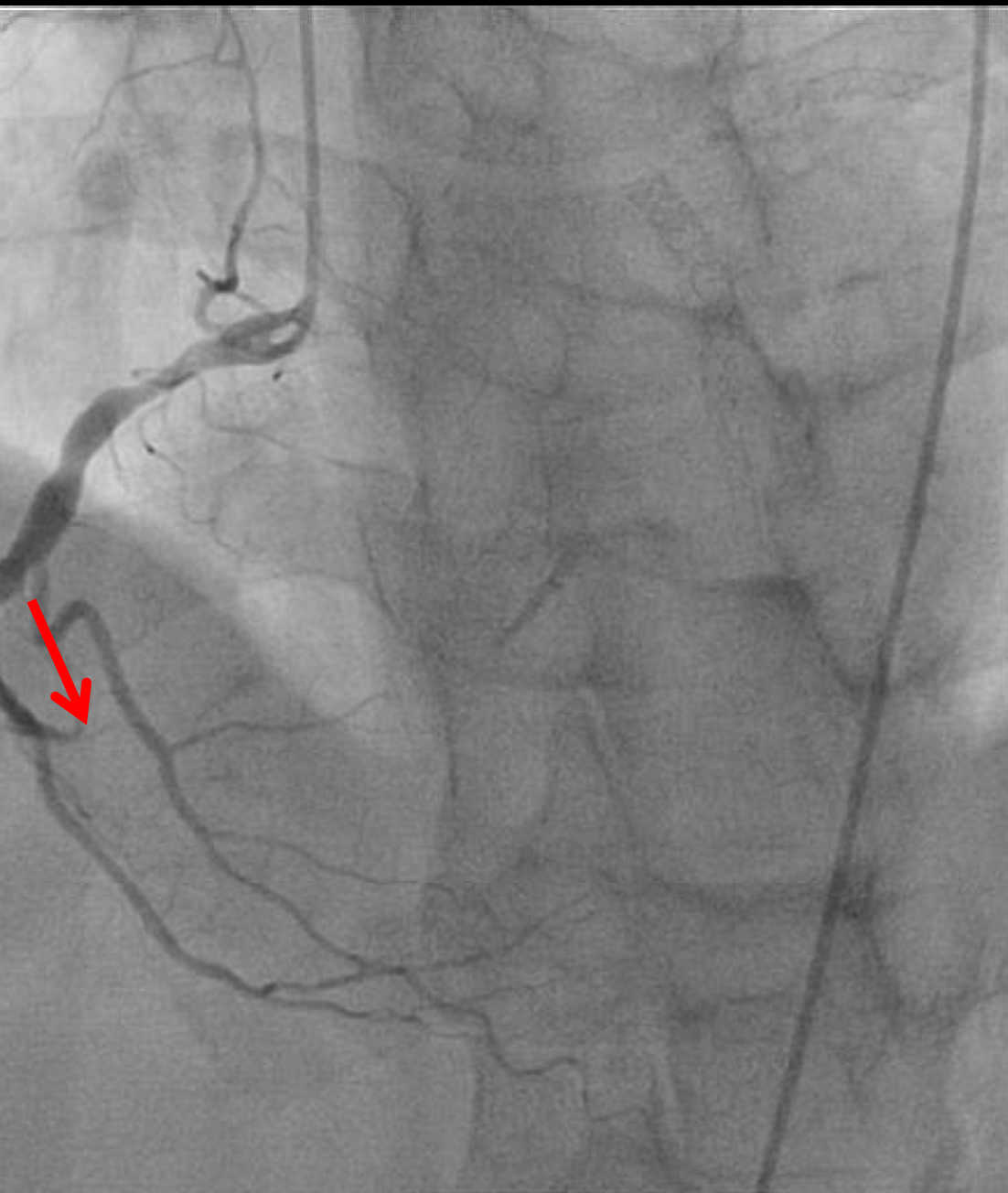


are starting. I inserted a wire into AV branch

Committed Channel



Final angiogram



Before



After

X-TREME WIRE

X-treme (XT)
(former type)

XT-R

0.8g

Tip Load

0.6g

0.23 – 0.36mm
(0.009 – 0.014")

Tip diameter

0.26 – 0.36mm
(0.010 – 0.014")

190cm

Usable Length

190cm

16cm

Hydrophilic
Polymer Sleeve

17cm

16cm

Coil Length

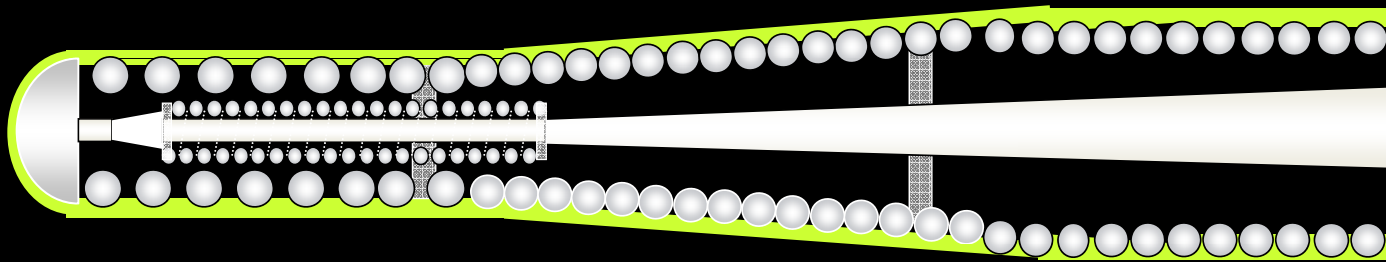
16cm

16cm

Radiopacity

16cm

XT-R WIRE



XT-R wire has “Composite core design”.
That is mean double coil design (new instrument).

Benefit:

High torque=Good control

Durable=Good tolerance for kink

I take home message

retrograde PCI is higher success rate than antegrade usually. But we sometimes meet a very fine retro channel. The fine channel interfere success of retrograde.

In this case, I chose a super fine channel at retrograde but, nevertheless, I could cross the channel by XTR.

The cooperation between technique and new instrument is official for making a success of CTO PCI procedure.