Double Lumen Catheter in CTO PCI

Yasushi Asakura M.D.

Product Configuration

Wire Lumen：0.014''GW   compatible

2.2F　　2.9F

RX (210mm)

3.2F

OTW

Effective Length 1,400mm
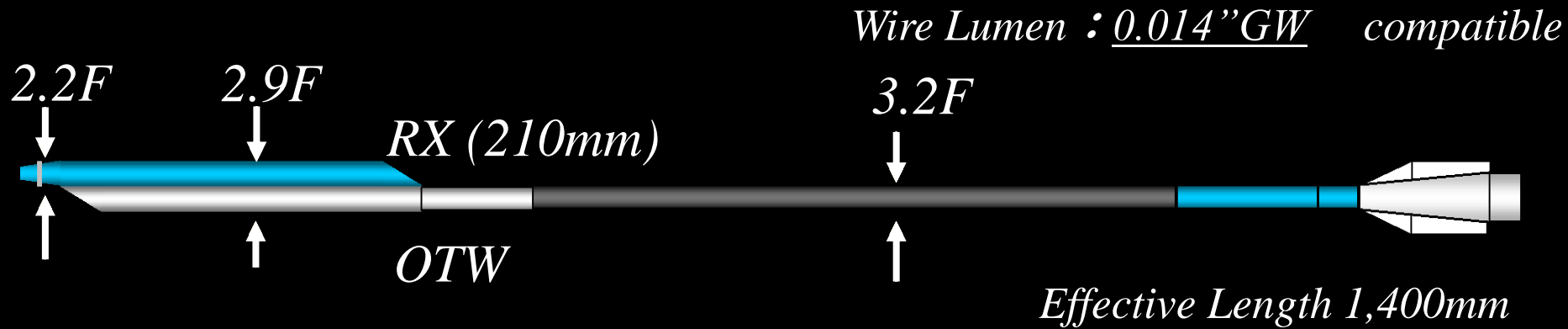
Enhanced Performance of Crusade

1. Excellent Trackability enabled by flex and minimized distal shaft profile.

2. Good proximal shaft support (stylet is not required)

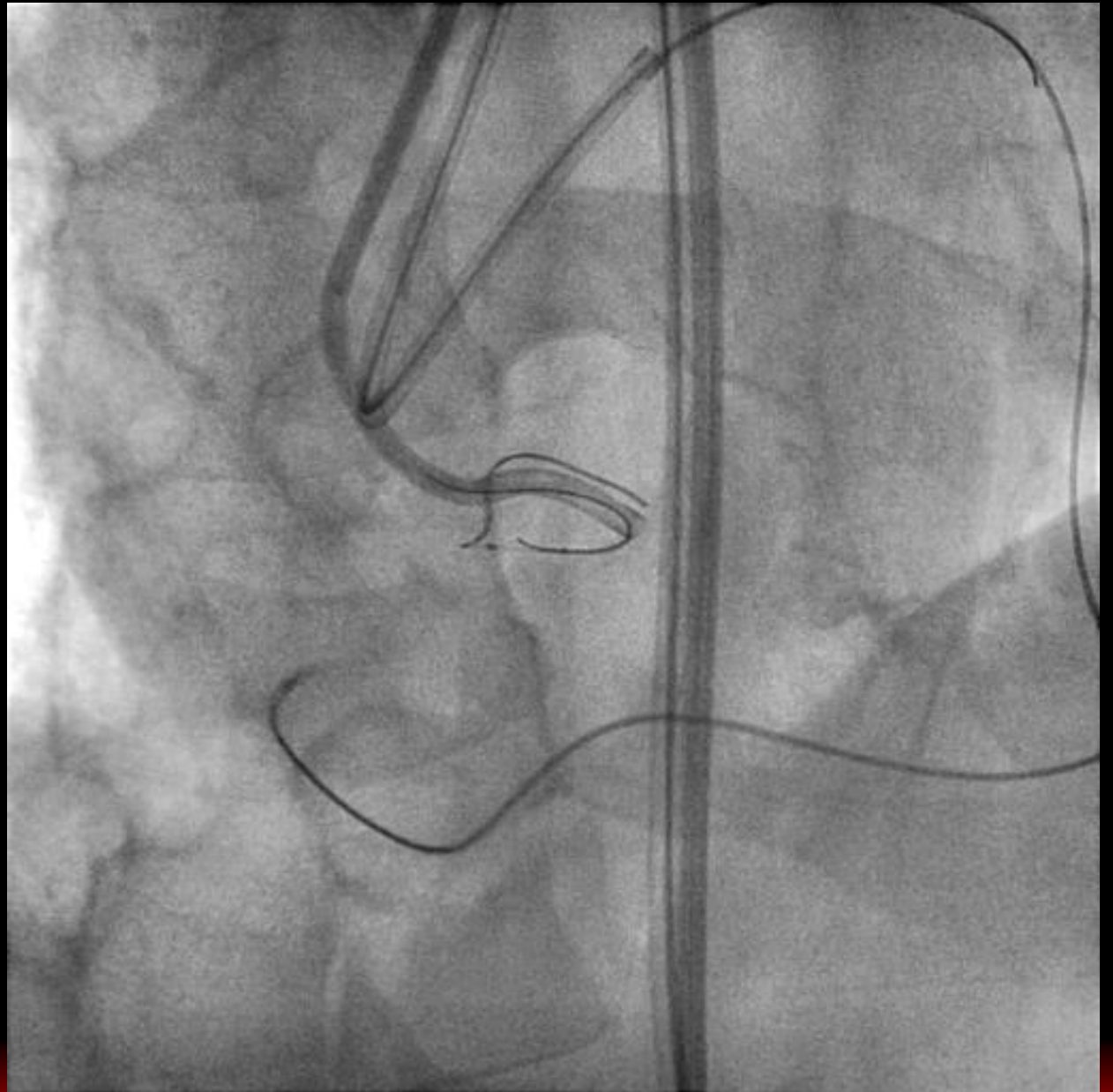3. Excellent GW maneuverability enabled by two-layered GW lumen configuration.

Significance of Using Crusade

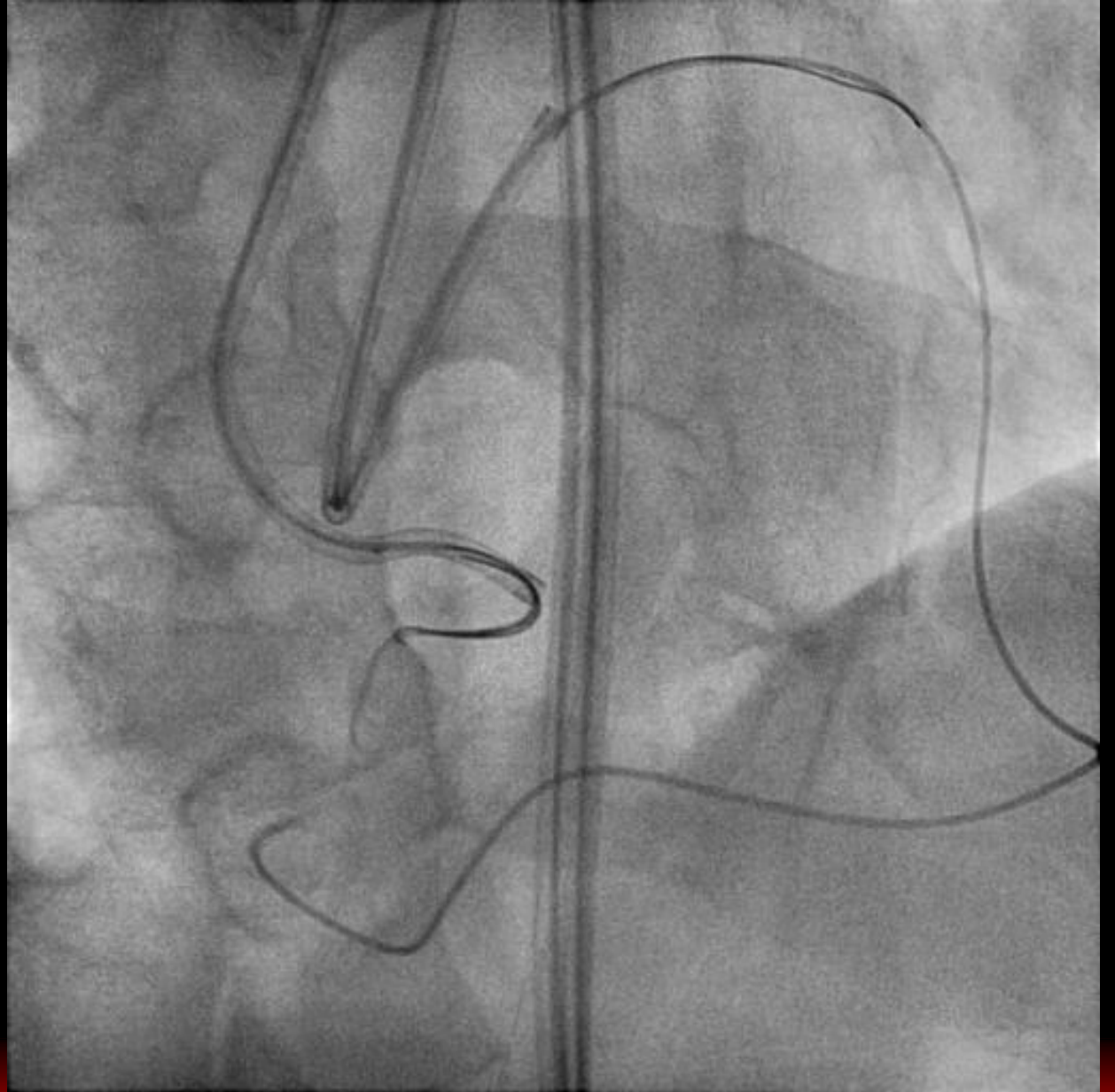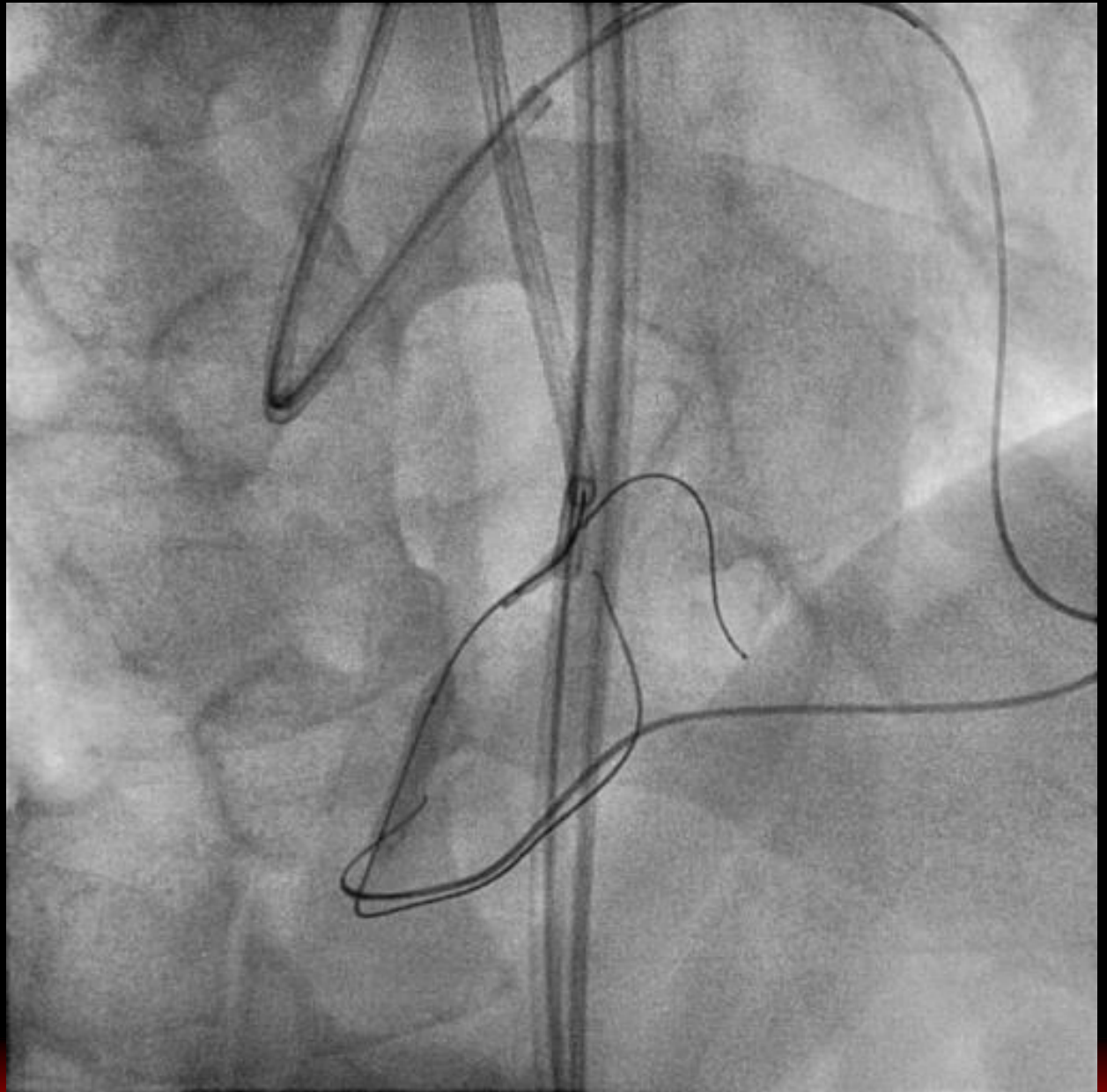√ **Enable Crossing of GW into Complex Side Branch**

√ **Back-up Force**
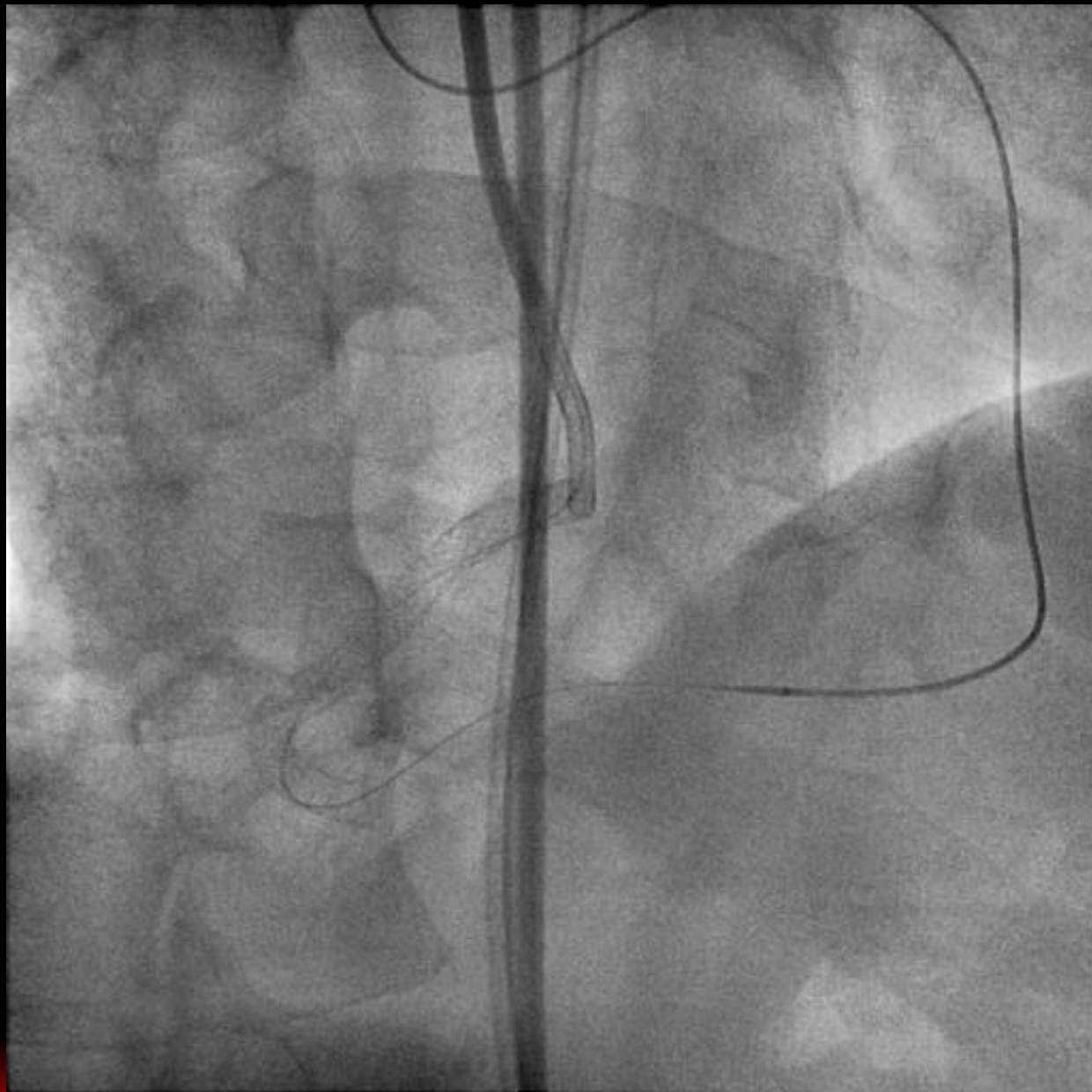
Case

Crusade

Reverse CART

Final

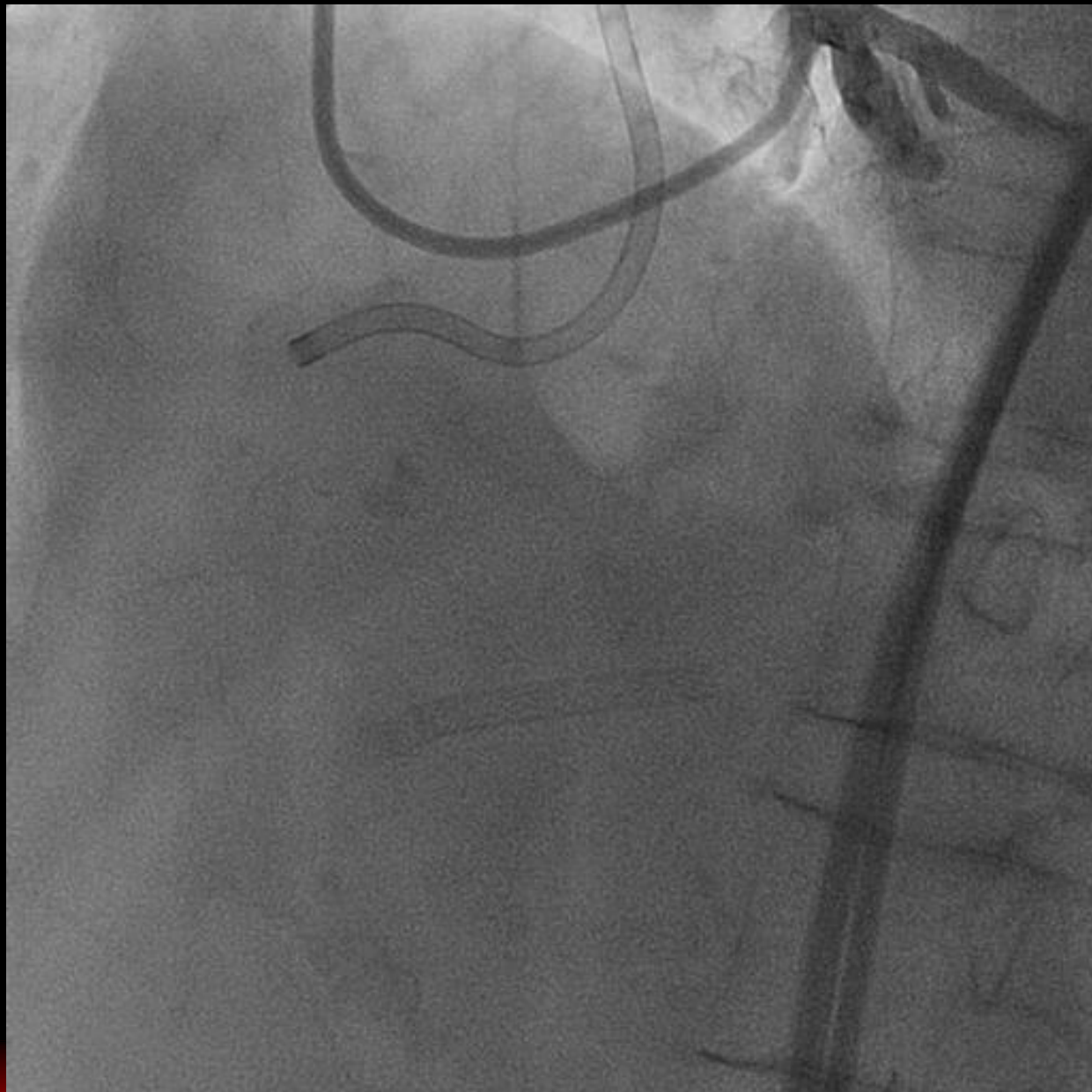# Significance of Using Crusade

√ **Enable Crossing of GW into Complex Side Branch**
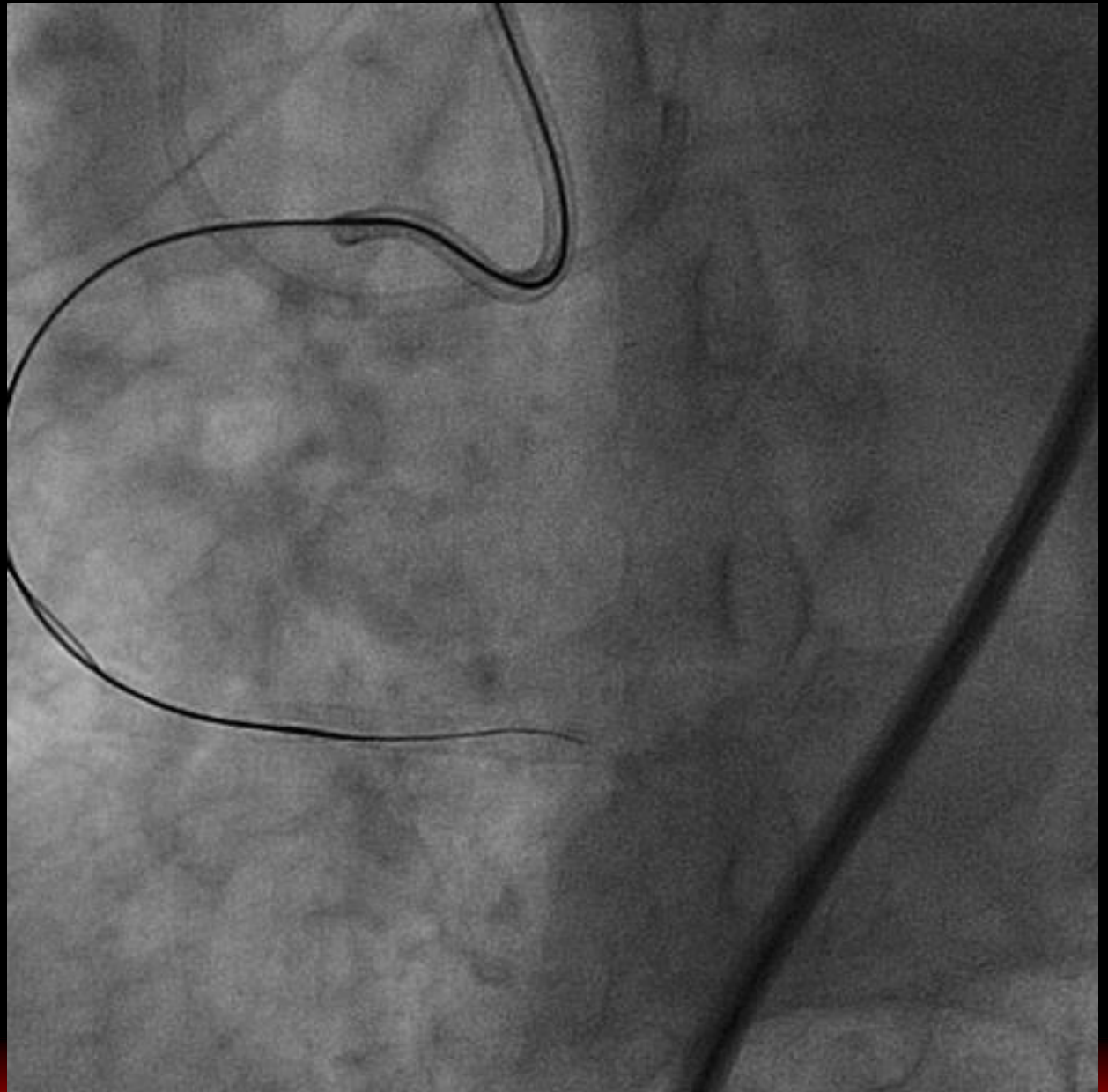
√ **Back-up Force**
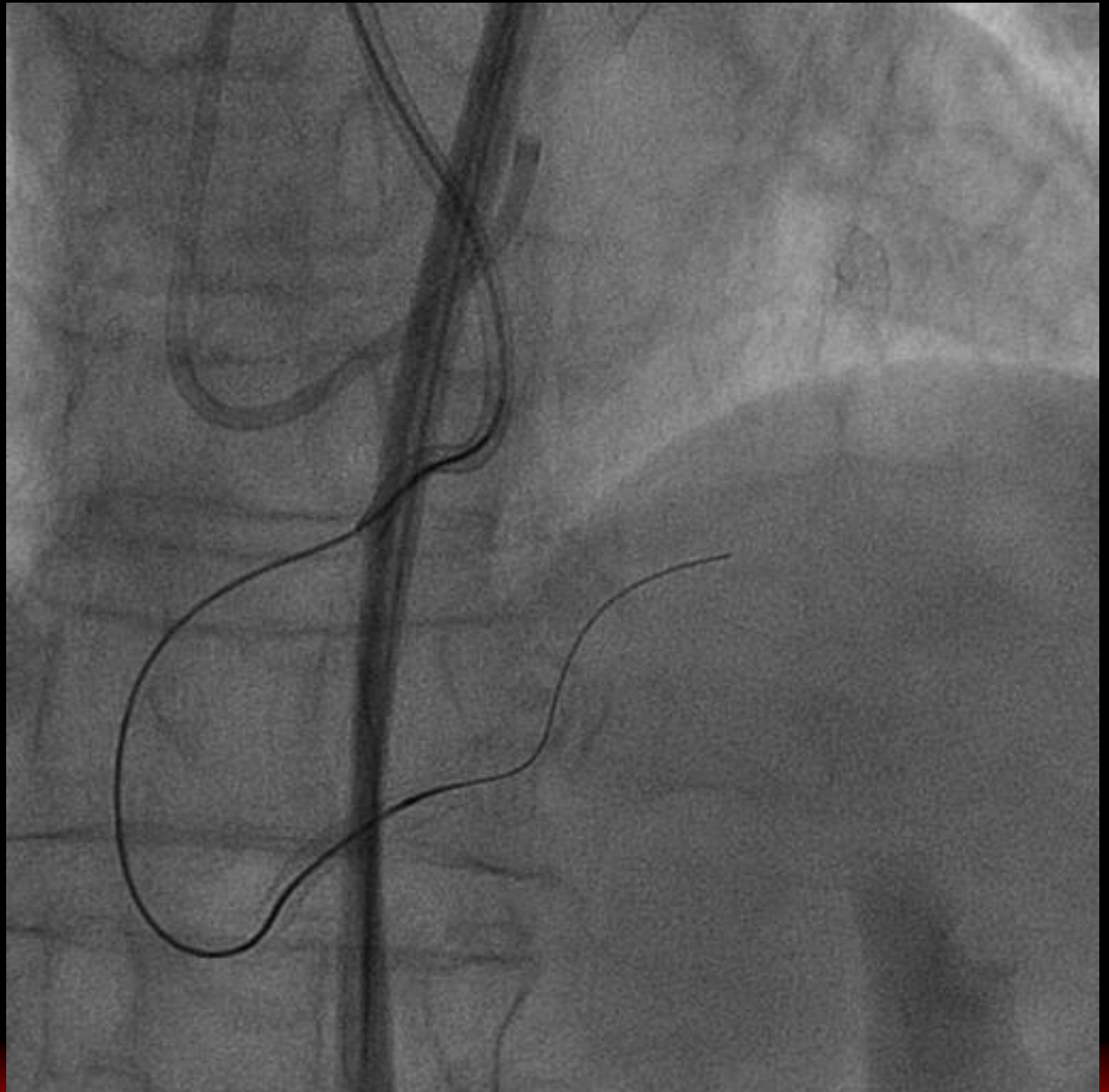
√ **Parallel Wire Technique**
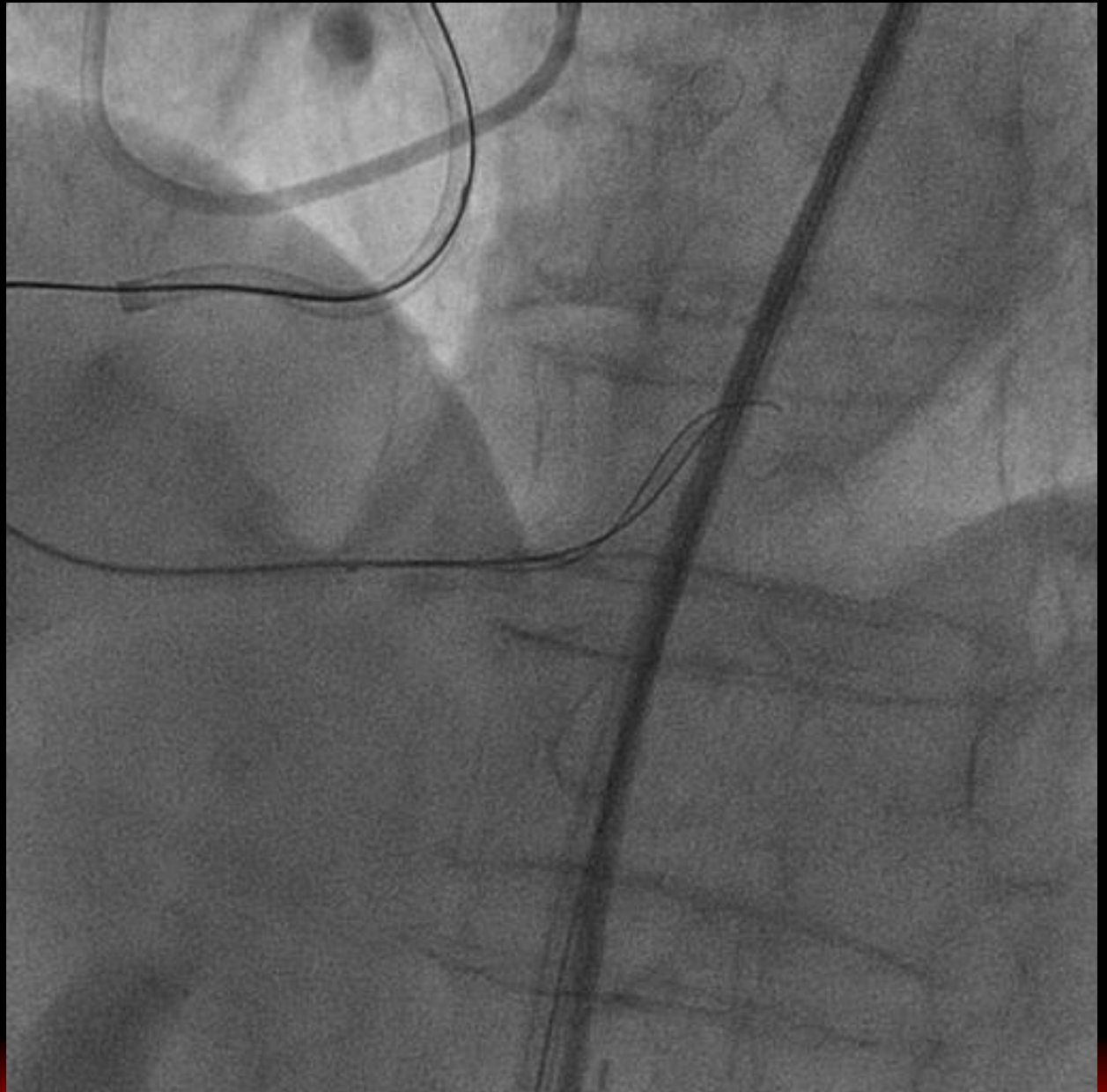
Case

Antegrade Wiring
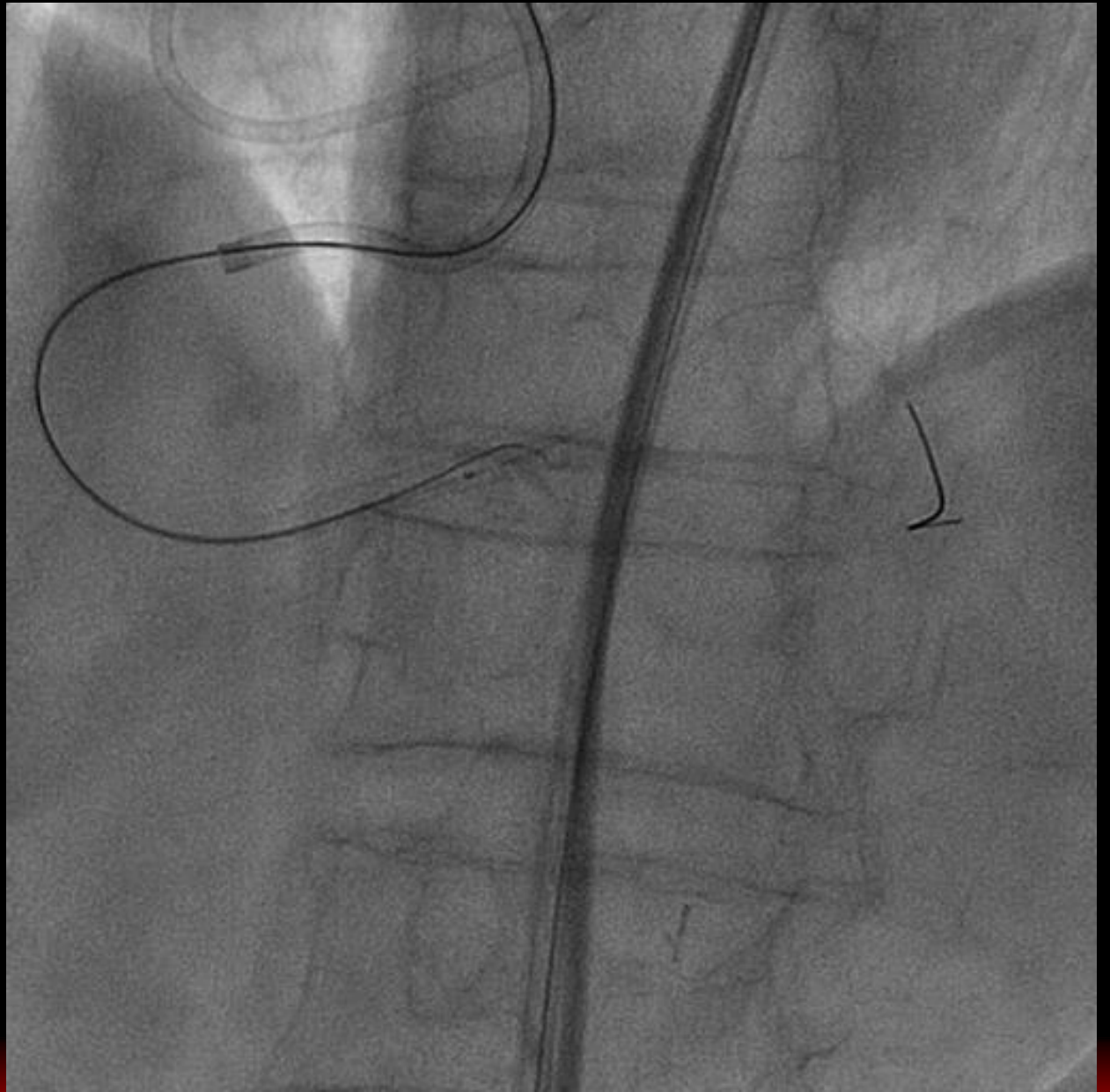
Antegrade Wiring

GW

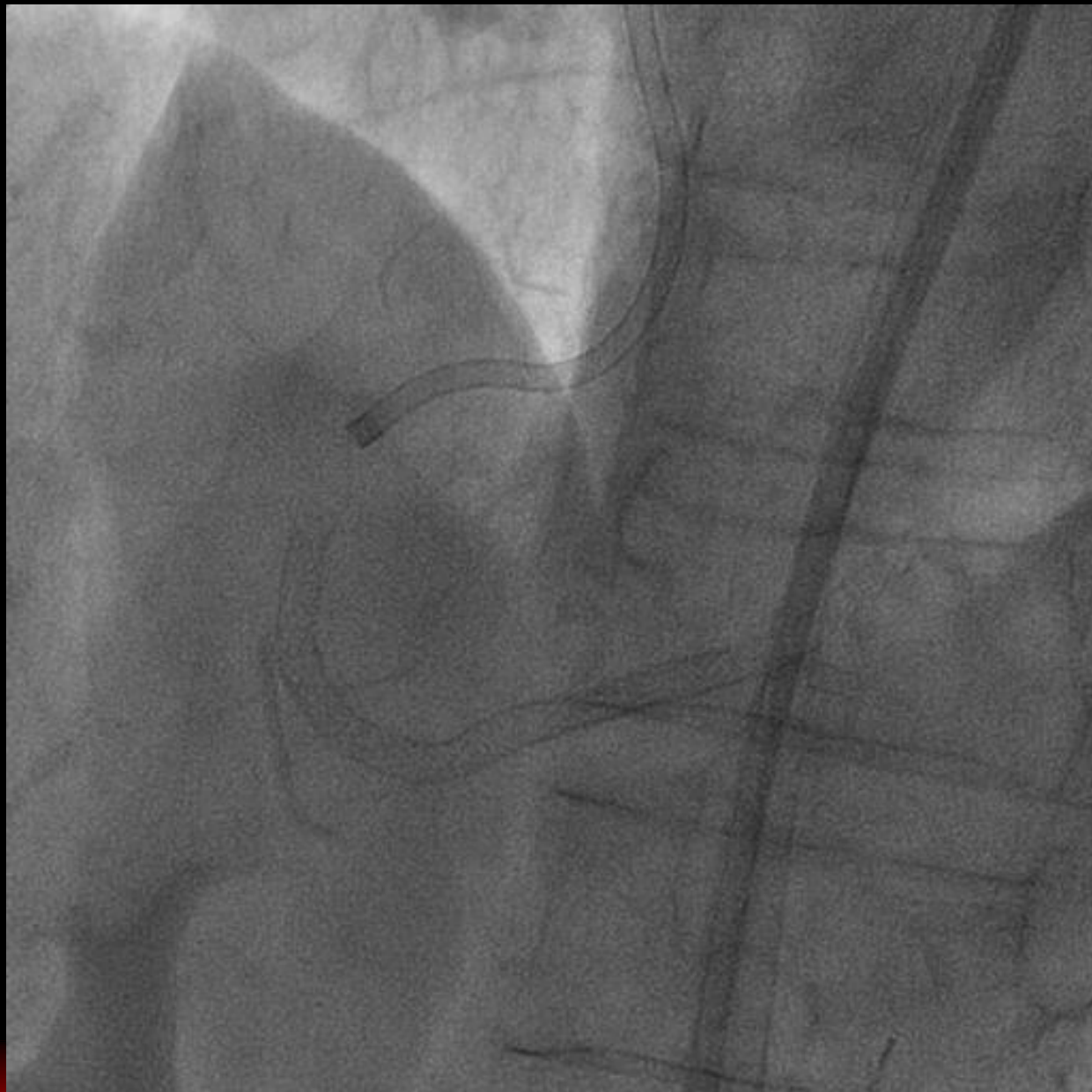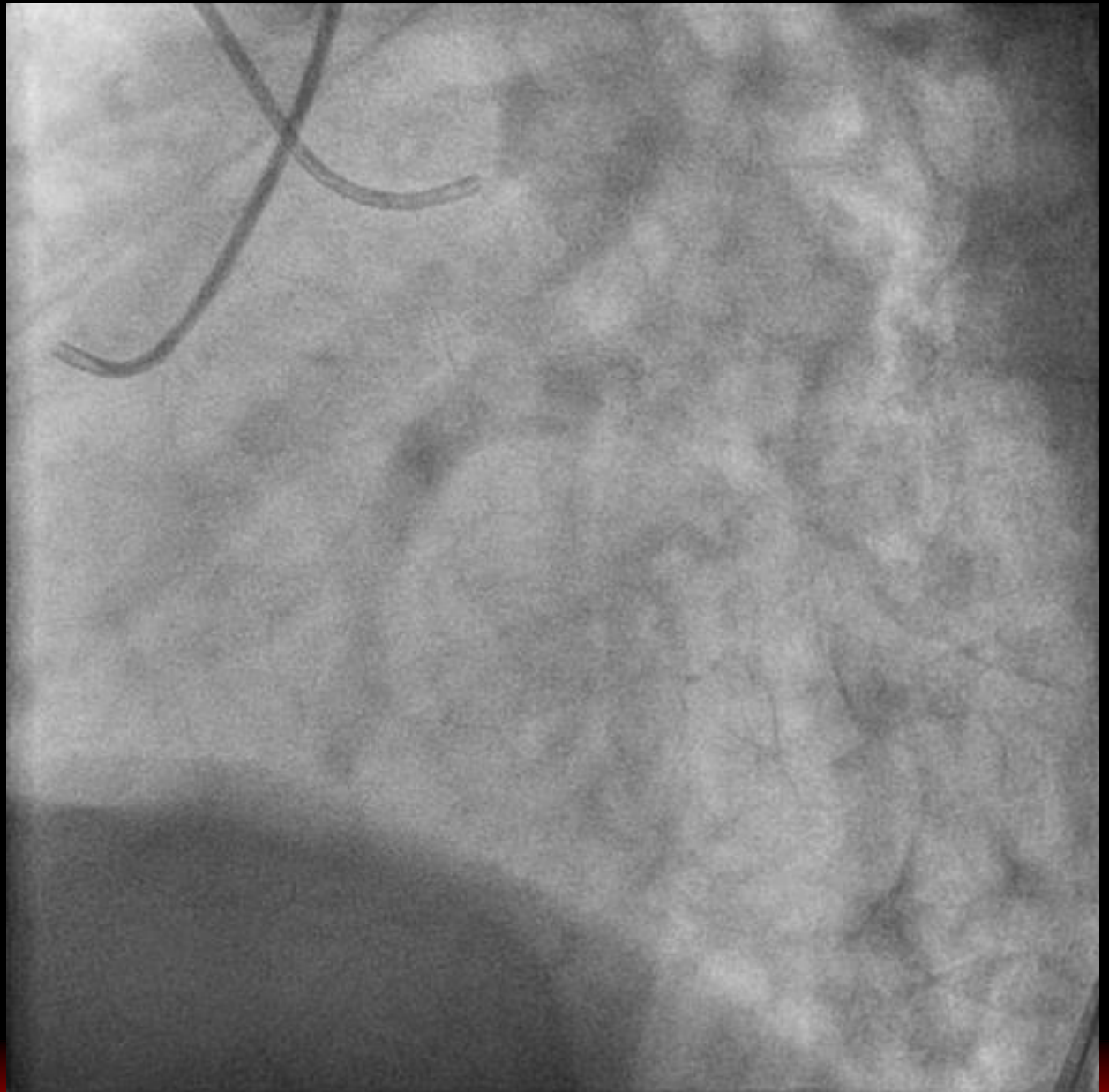**Parallel Wire Technique**

Crusade

Final

Significance of Using Crusade

√ **Enable Crossing of GW into Complex Side Branch**

√ **Back-up Force**

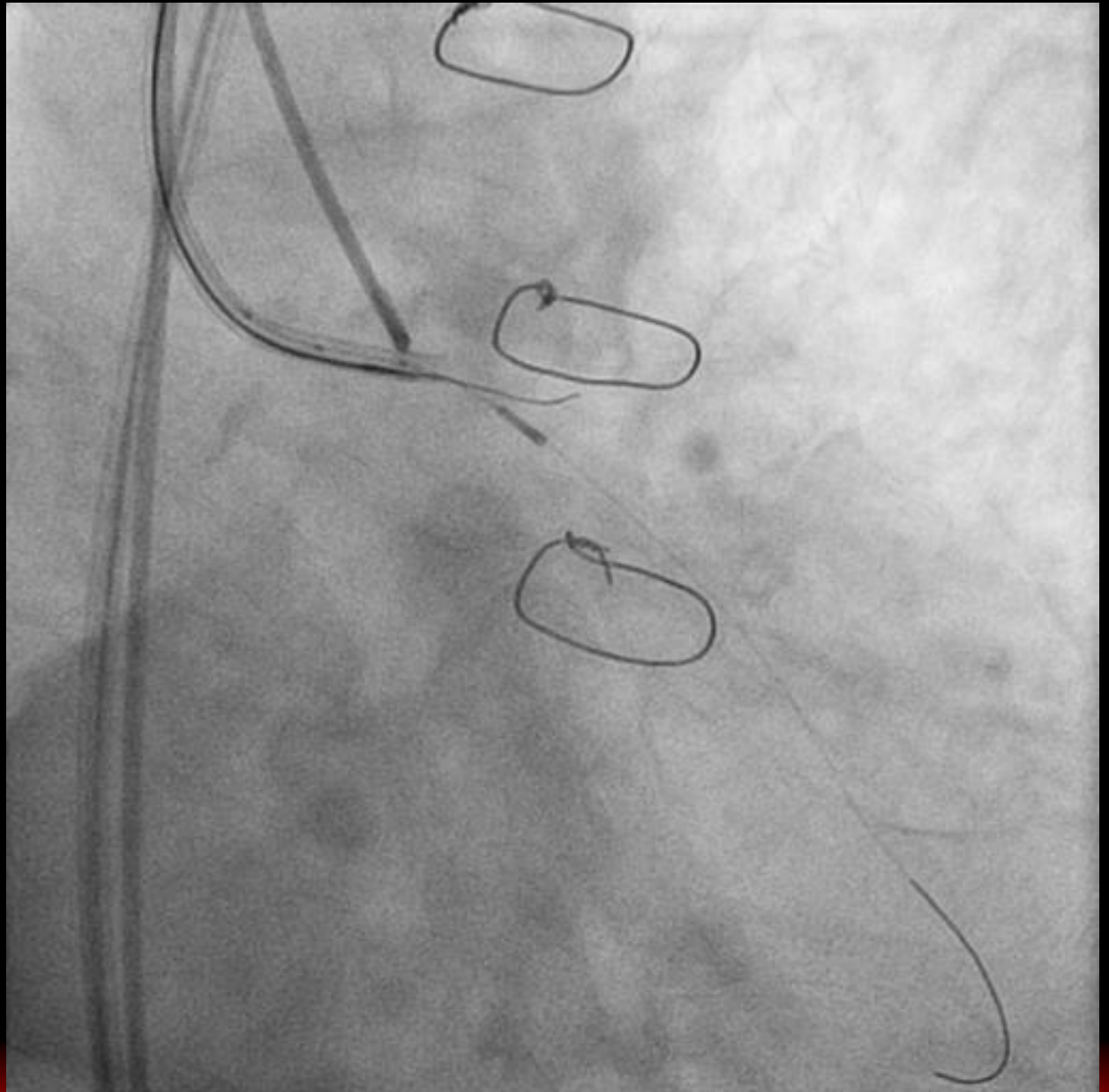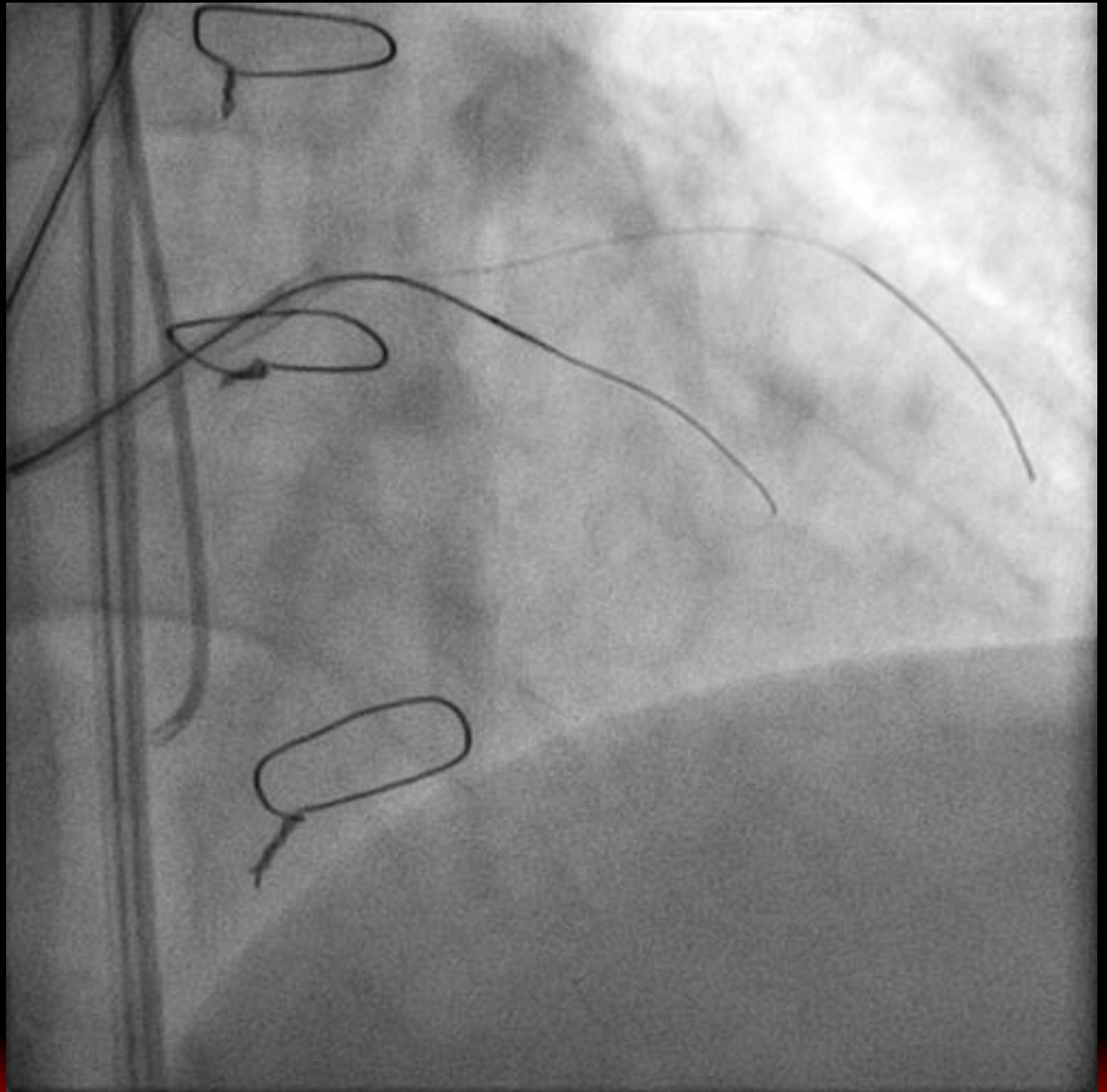√ **Parallel Wire Technique**
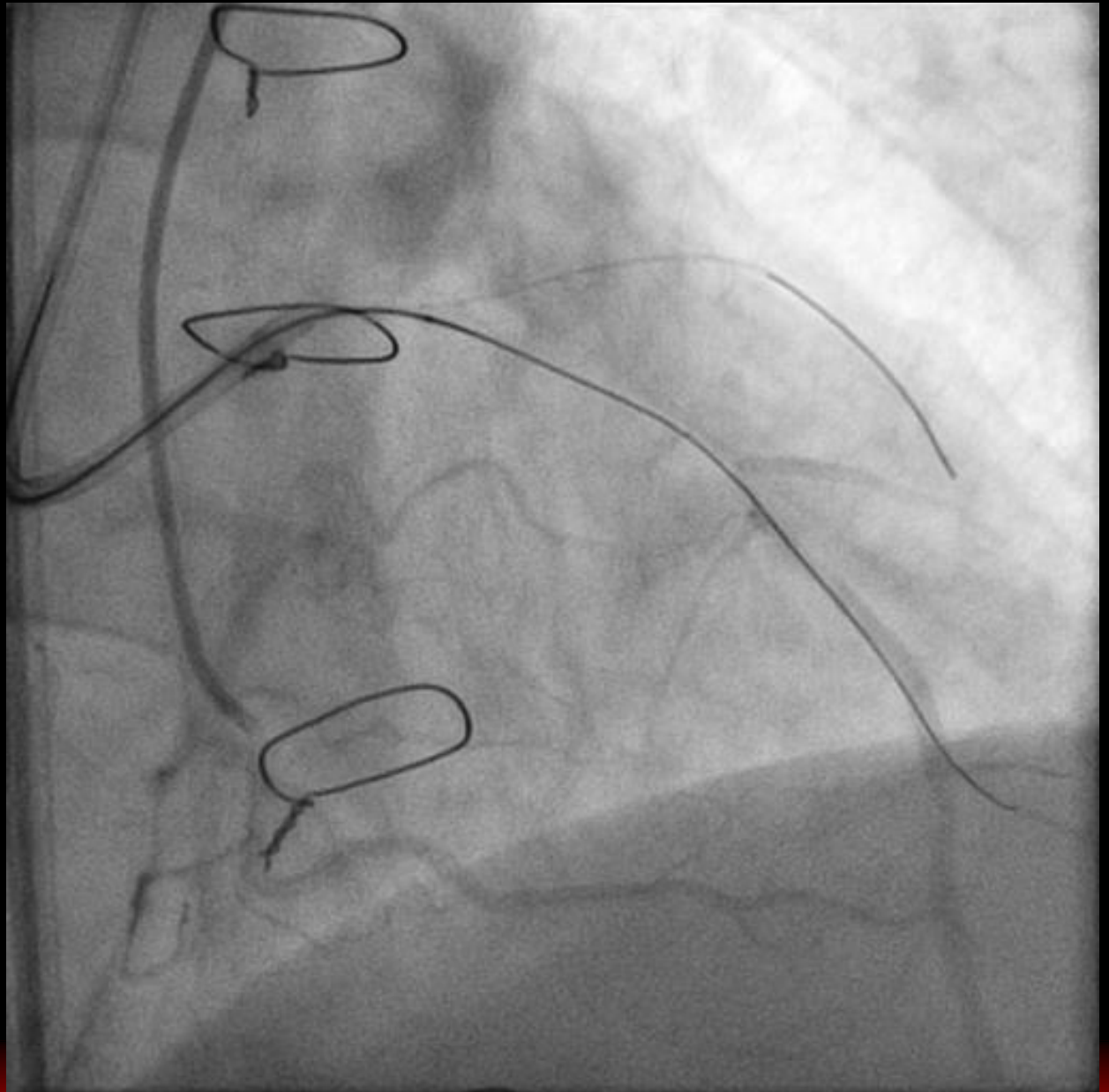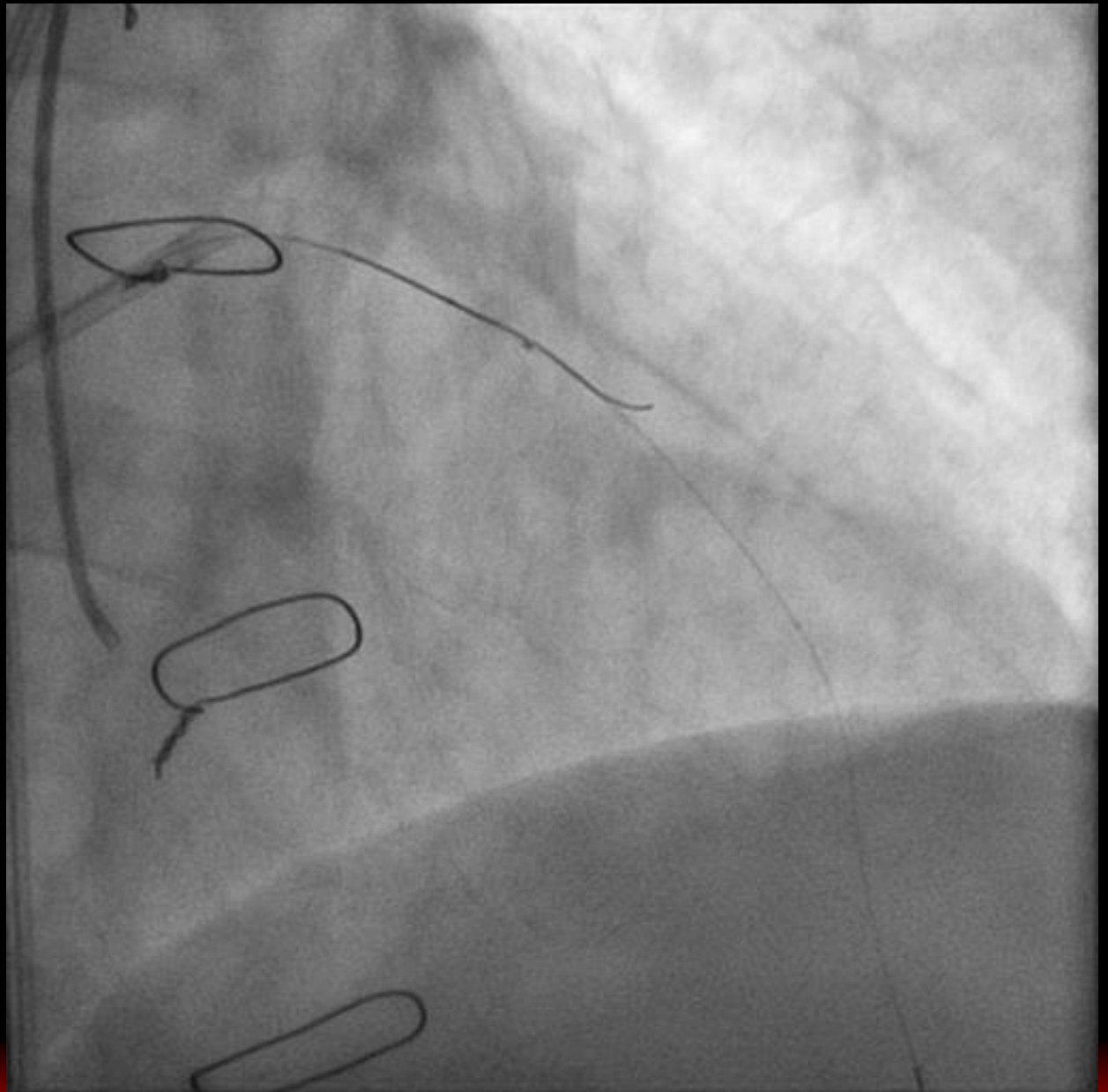
√ **Reverse Wire Technique**
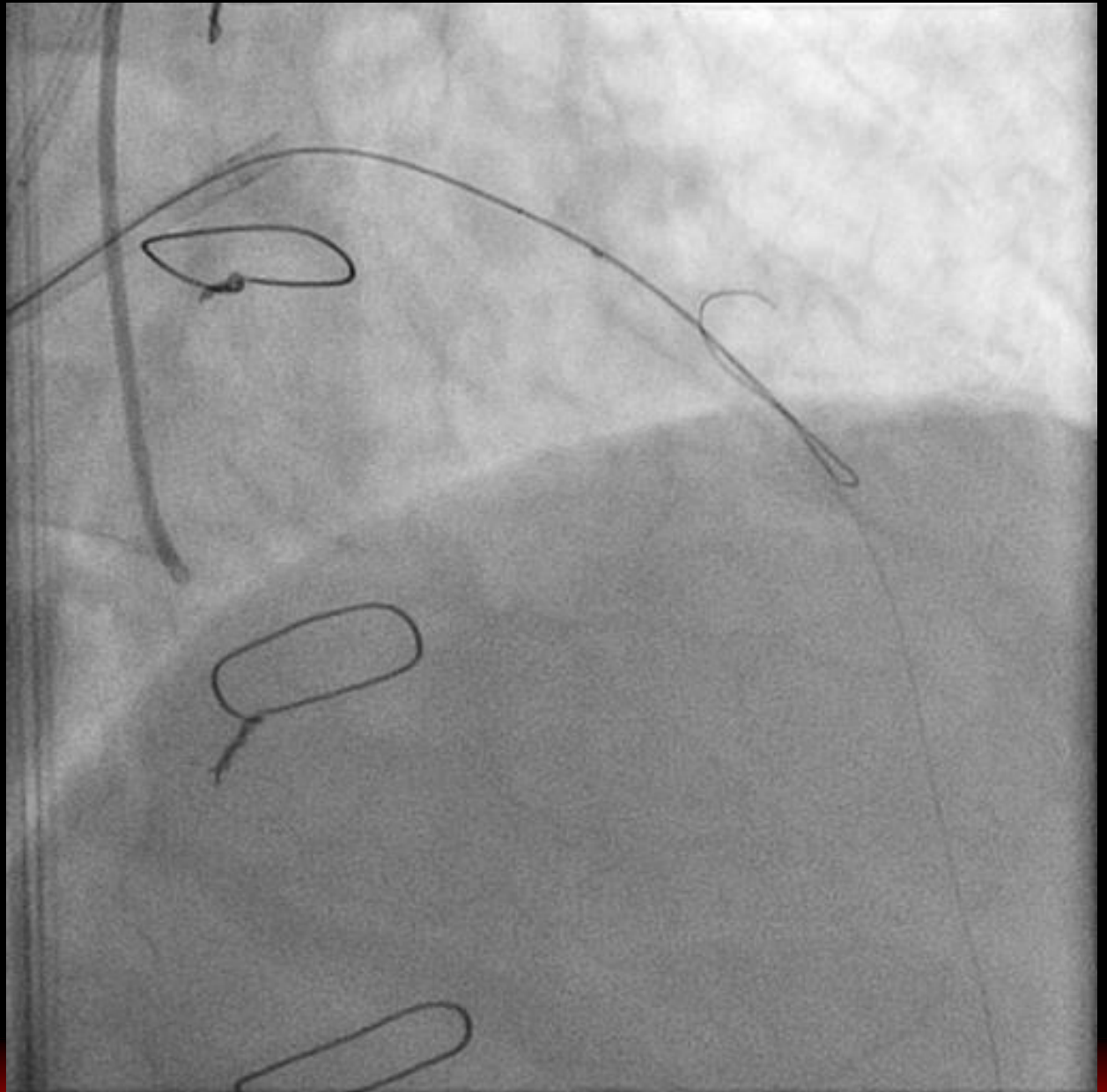
Case

Antegrade Wiring

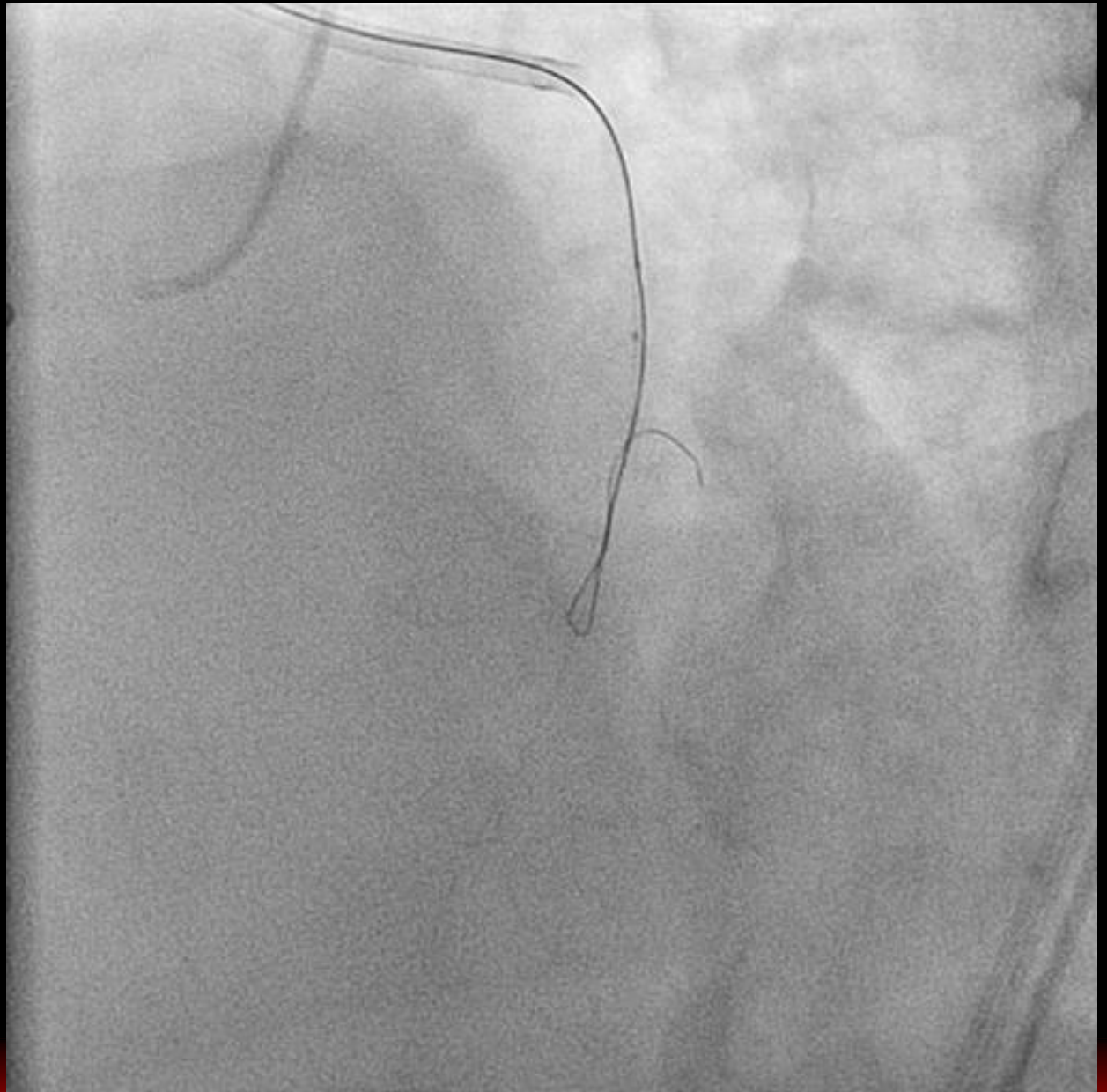**Antegrade Wiring**

Antegrade Wiring

Diagonal

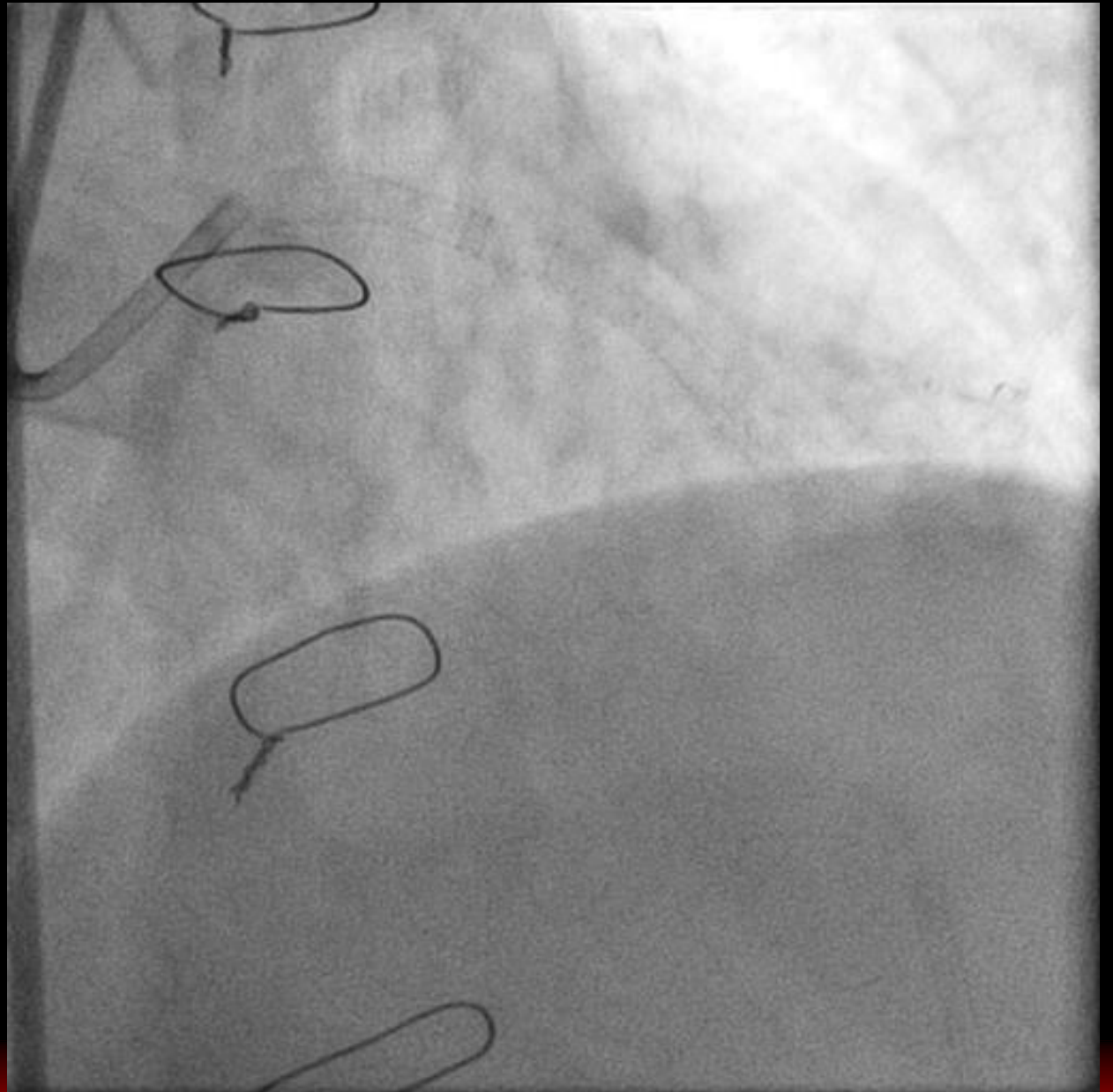# Reverse Wire Technique
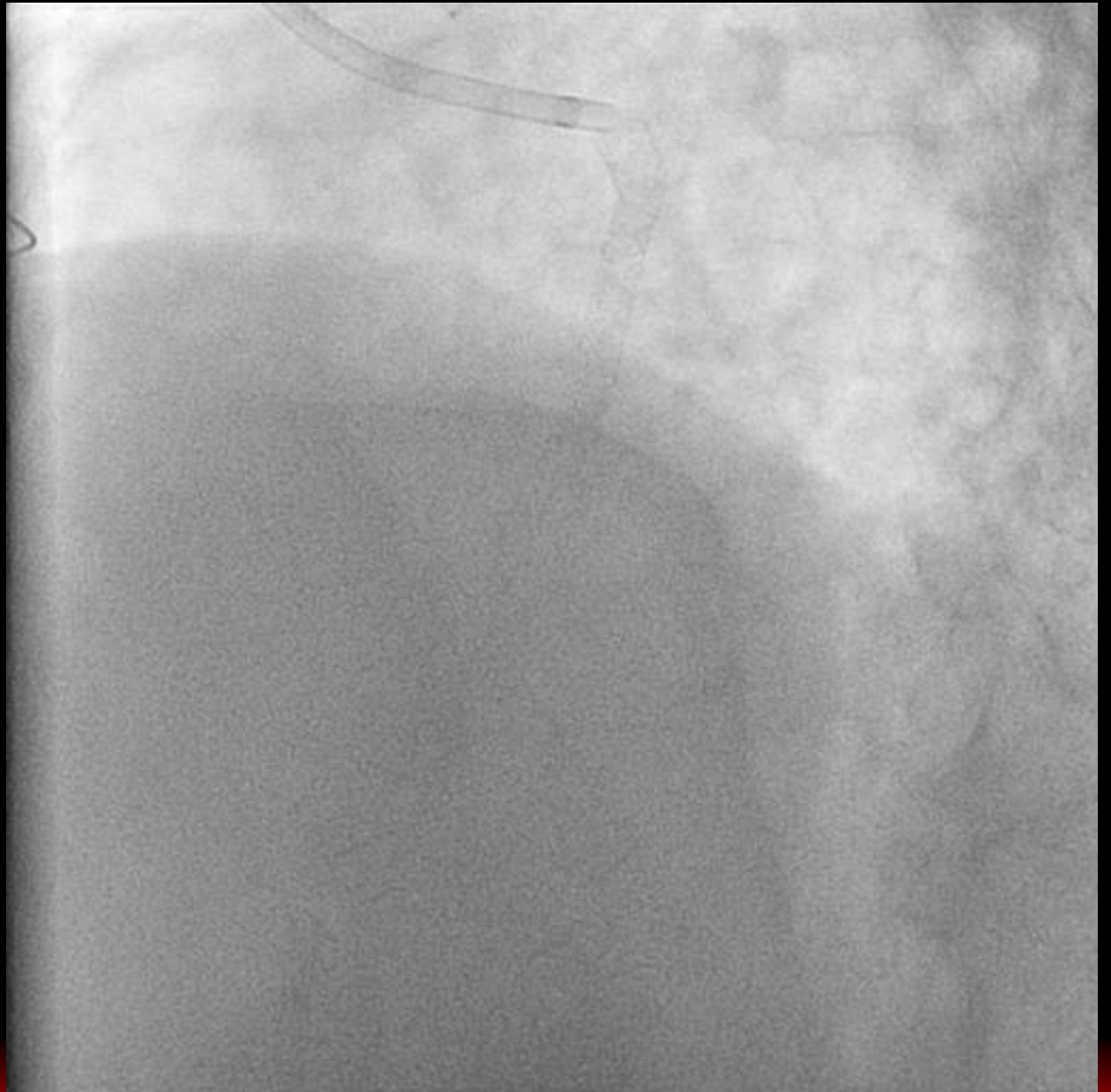
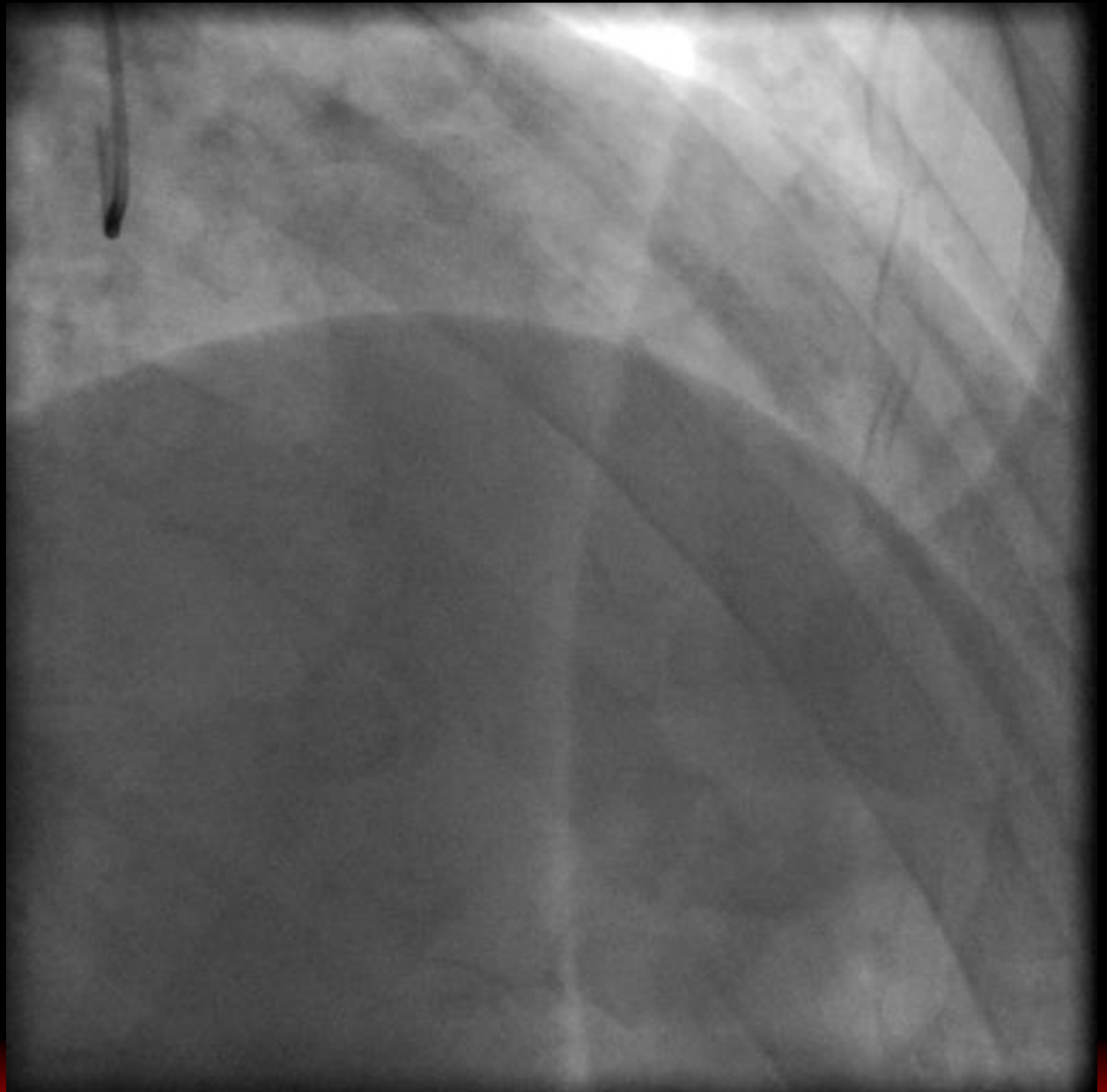**Reverse Wire Technique**

Corsair
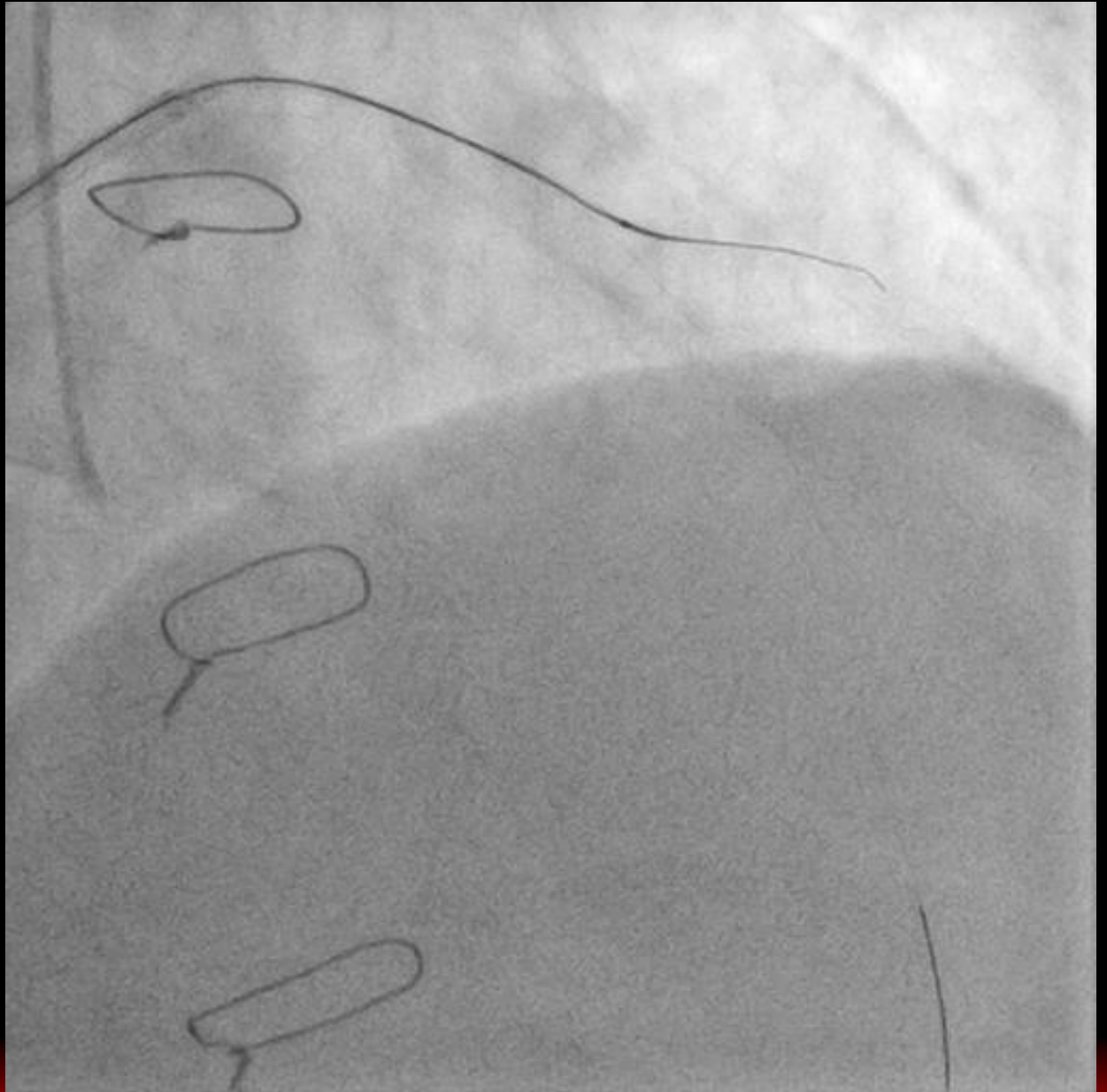
Final

Final

Significance of Using Crusade

√ **Enable Crossing of GW into Complex Side Branch**

√ **Back-up Force**

√ **Parallel Wire Technique**

√ **Reverse Wire Technique**

√ **Retrograde Approach**
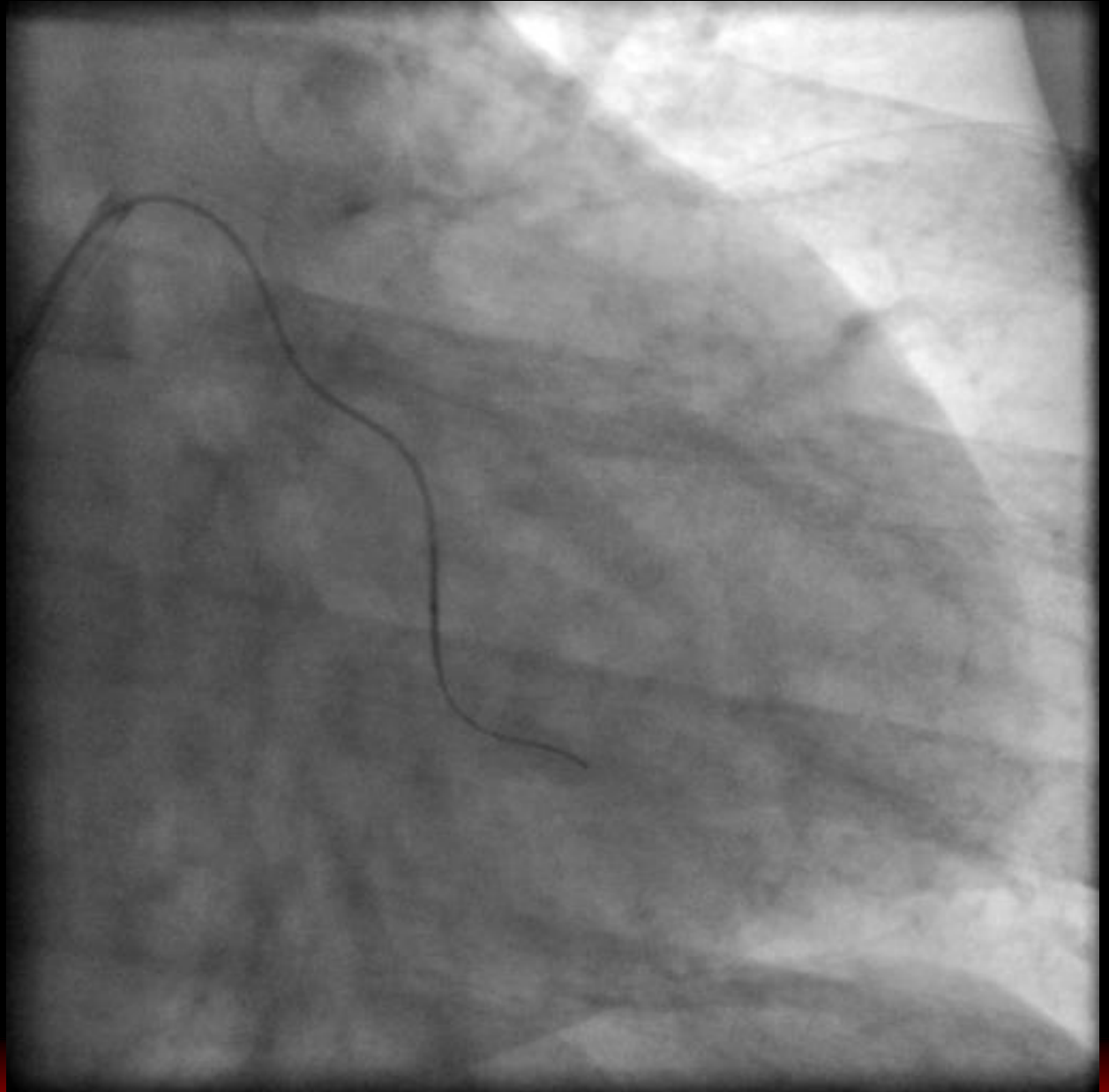
√ **Infusion of Drug or Contrast Using OTW Lumen**

Case
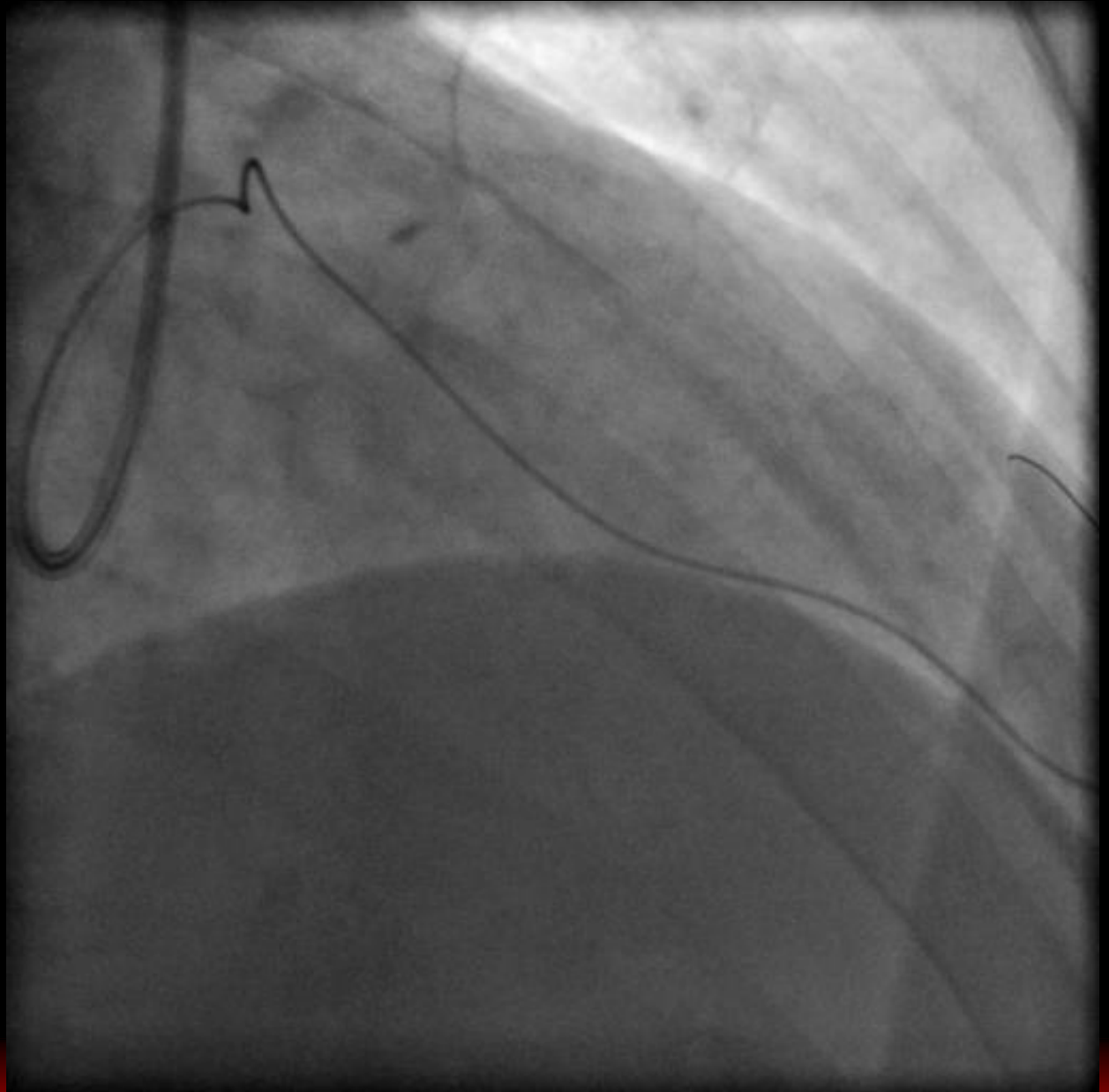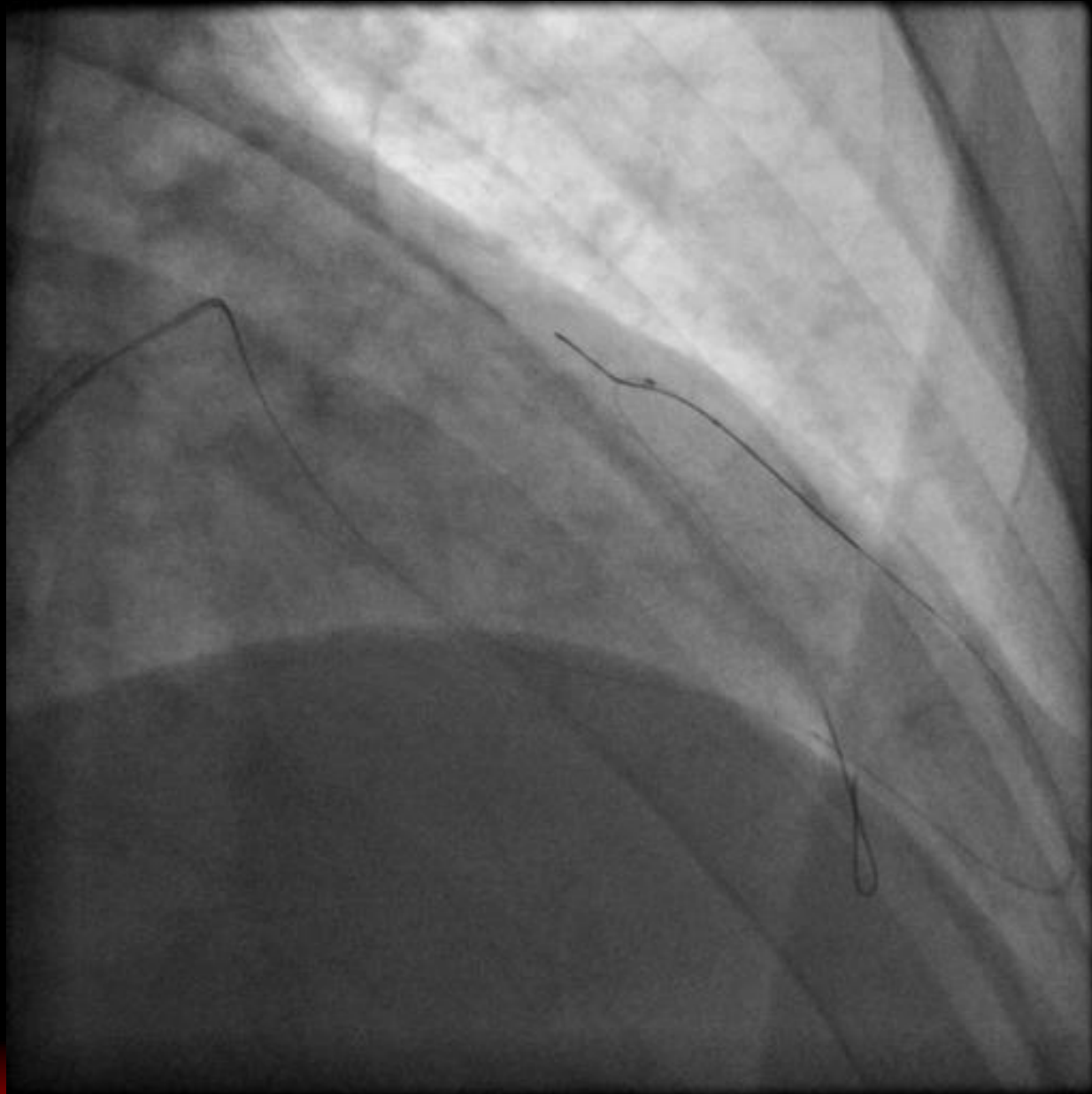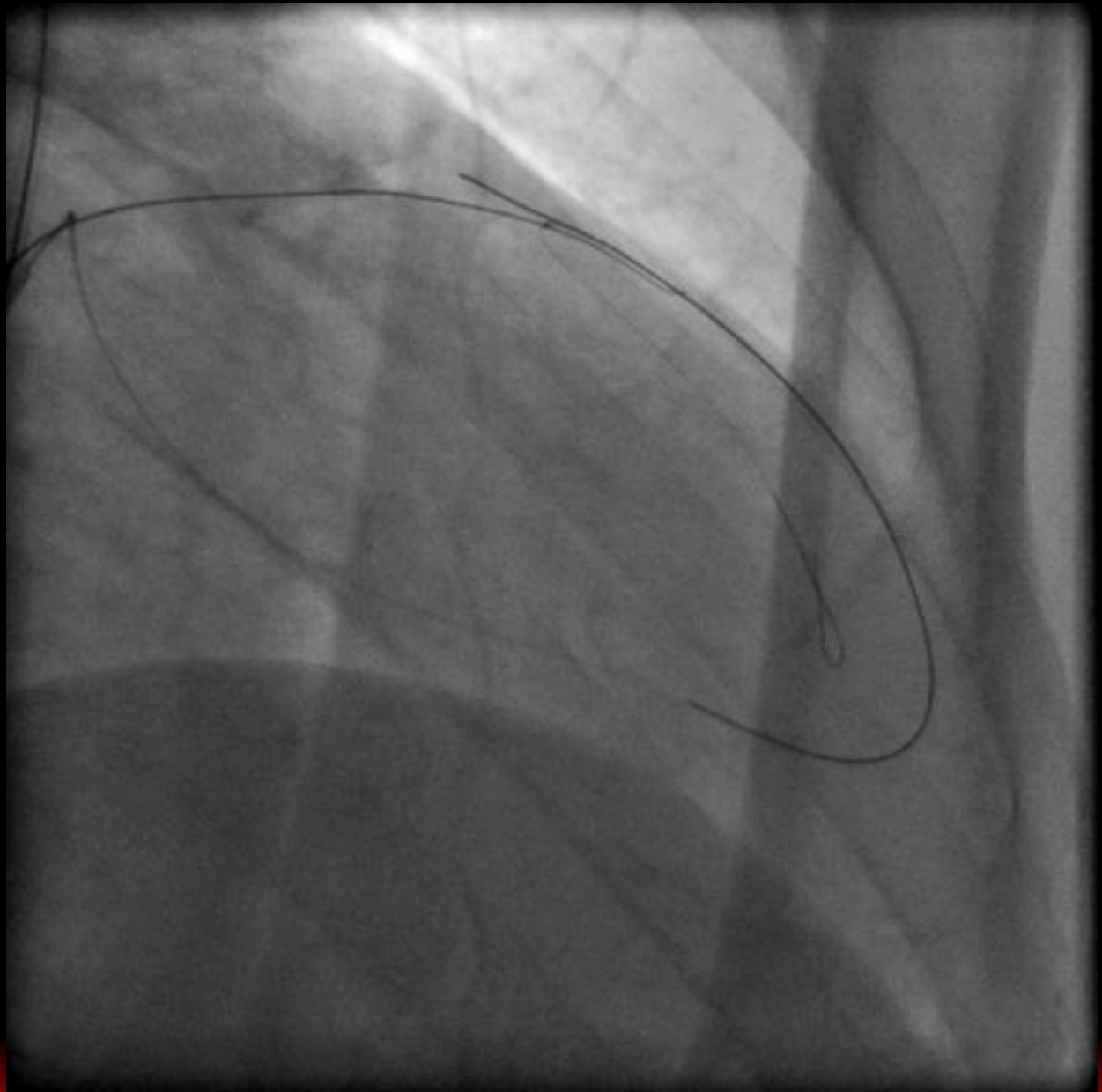
Retrograde Approach

Retrograde Approach

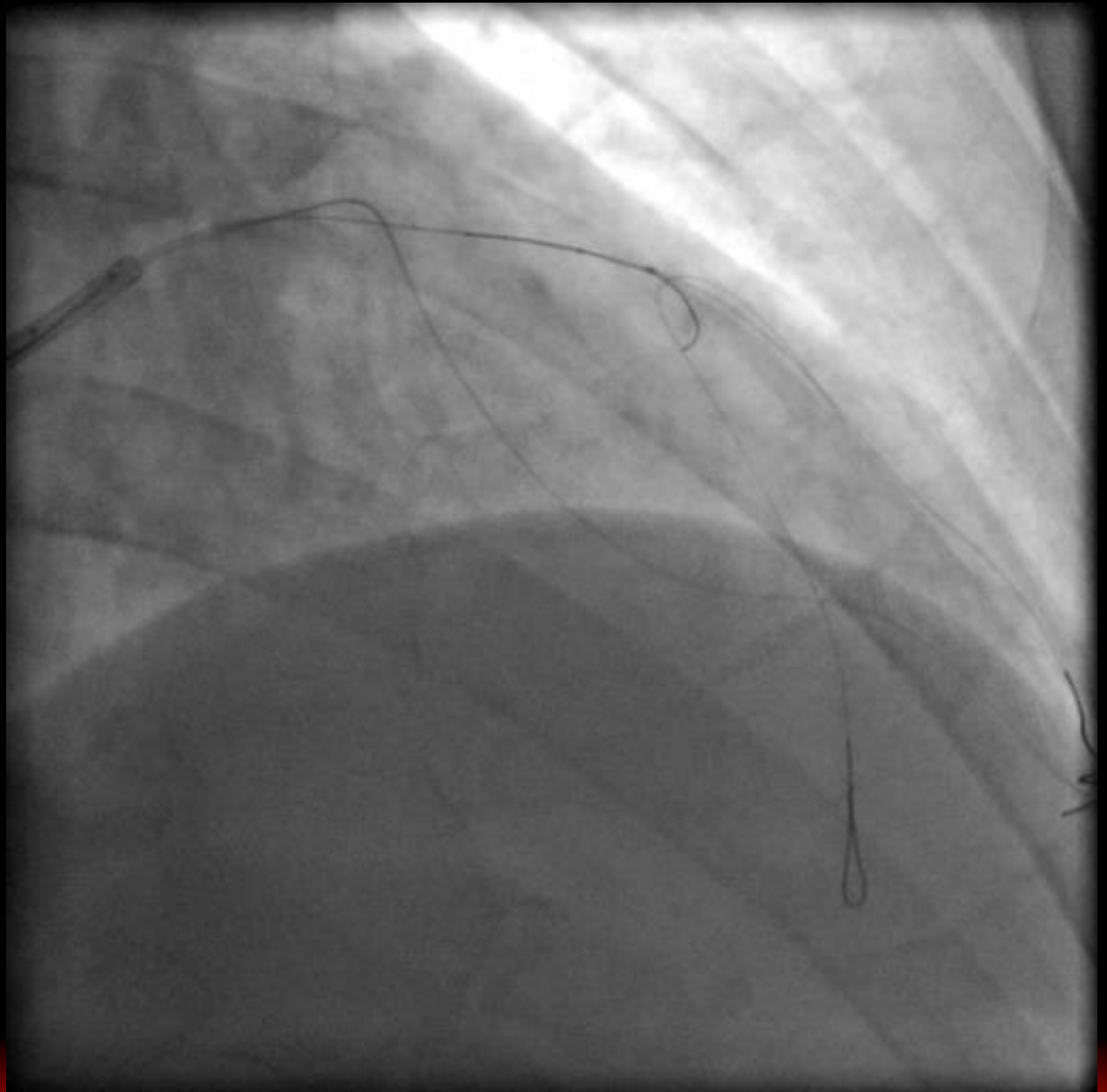**Crusade**

Antegrade Wiring

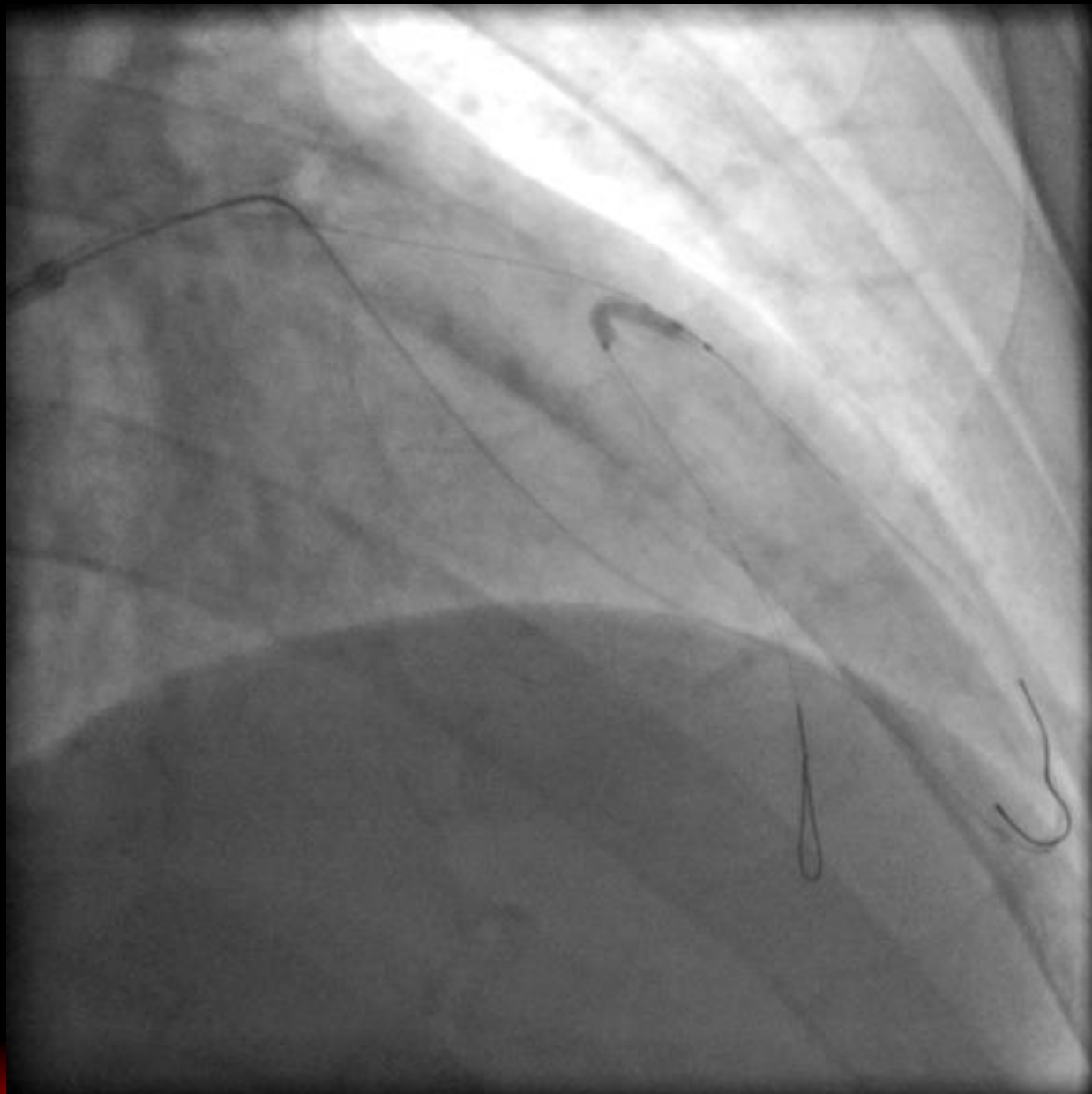**Contrast Infusion through Crusade**
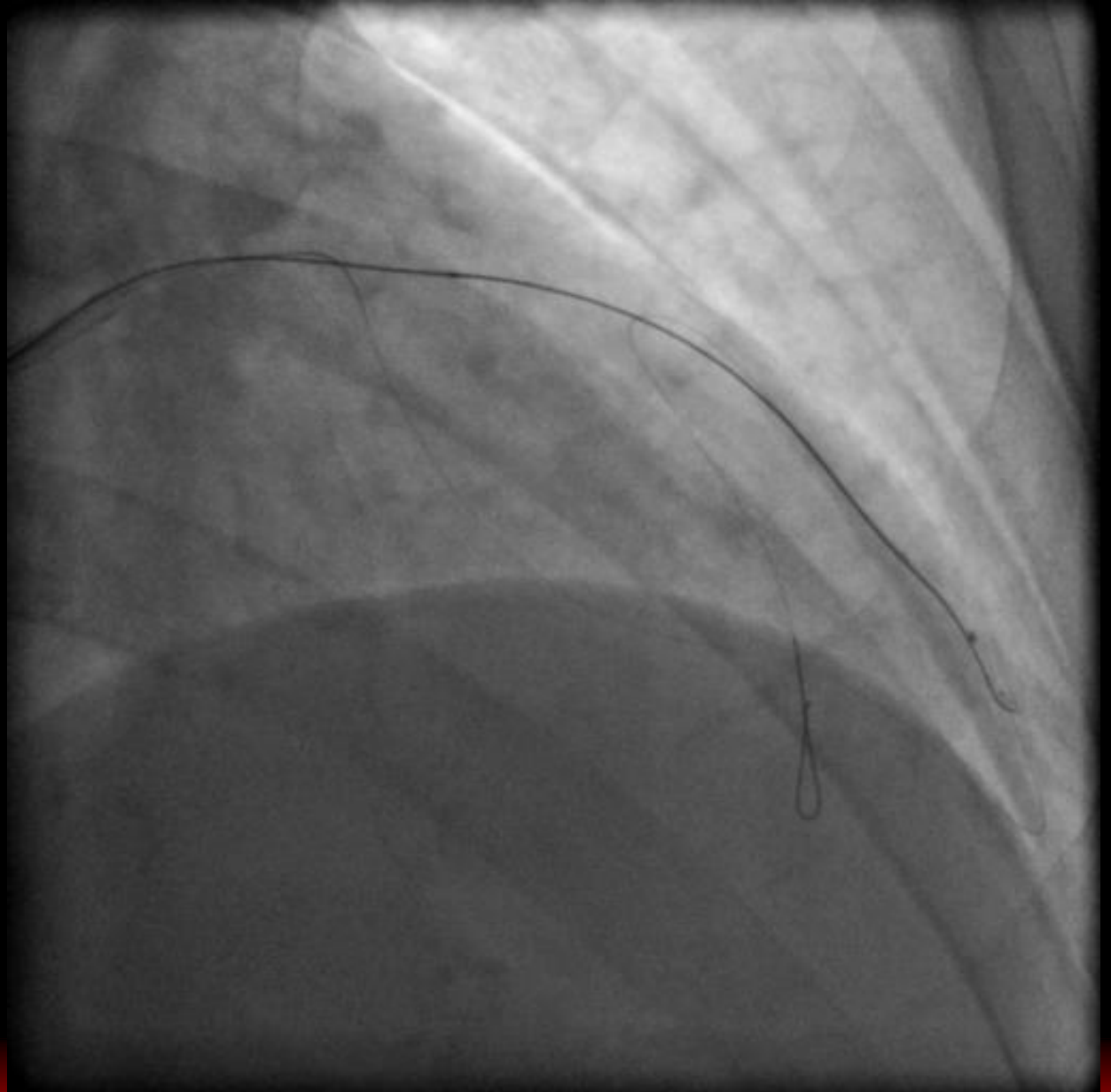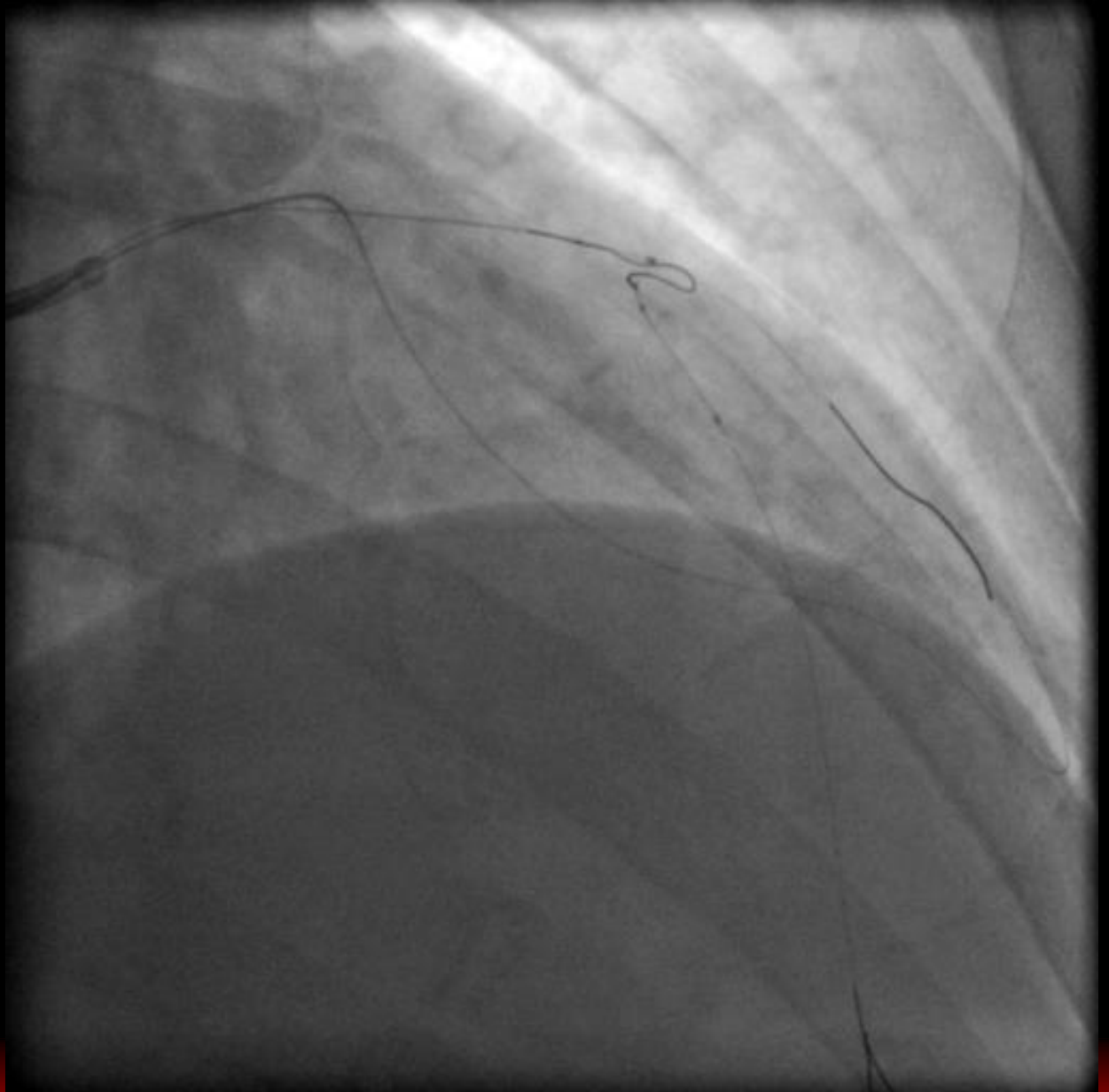
Balloon

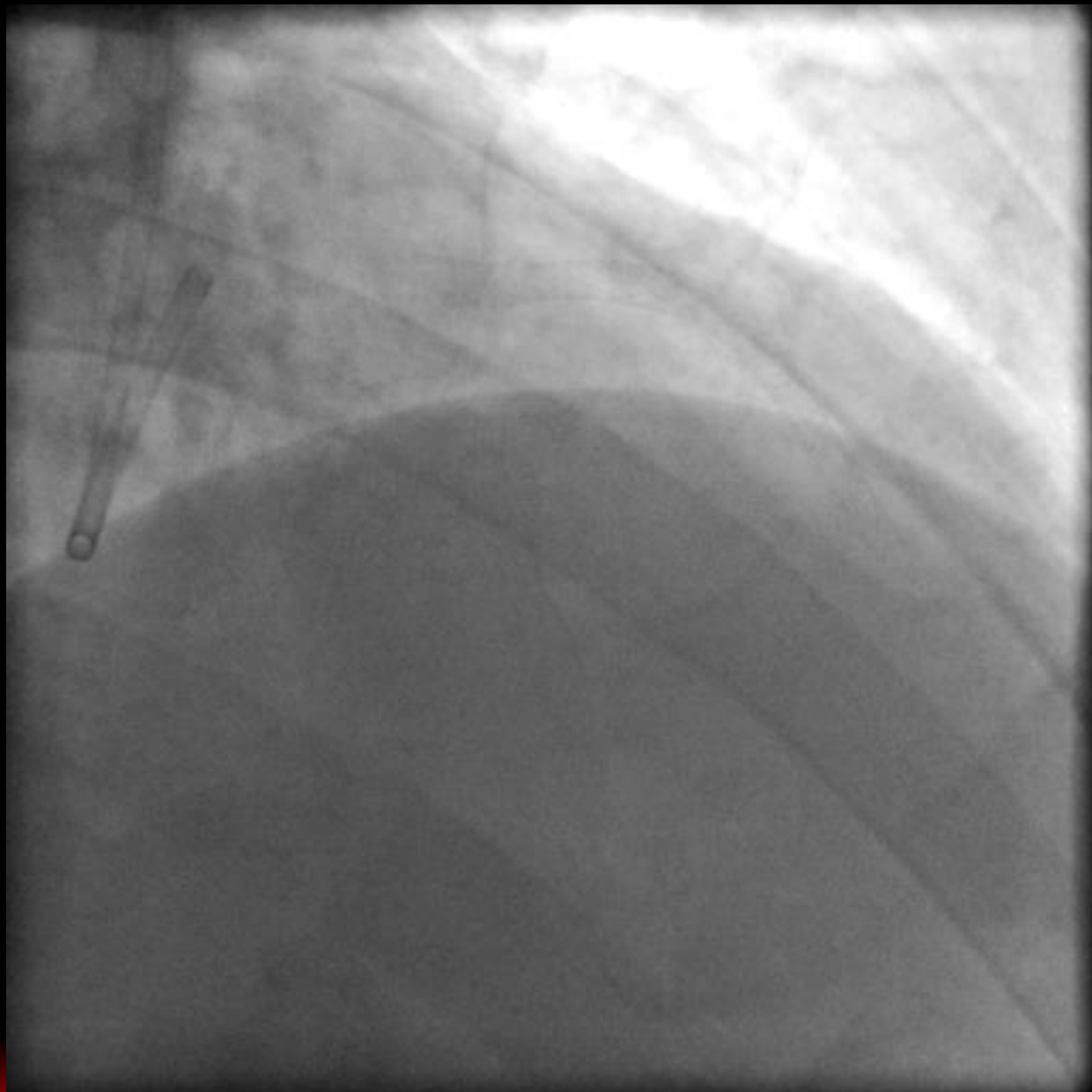# Wiring to LAD

Balloon

Reverse Wire Technique

Final

Summary

√ **Double lumen catheter is very helpful in CTO PCI antegradely and retrogradely.**

√ **It is used in many situations.**