

Ostial flush RCA CTO PCI: Combination of multiple retrograde techniques

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PATIENT'S PRESENTATION

78 yrs Male

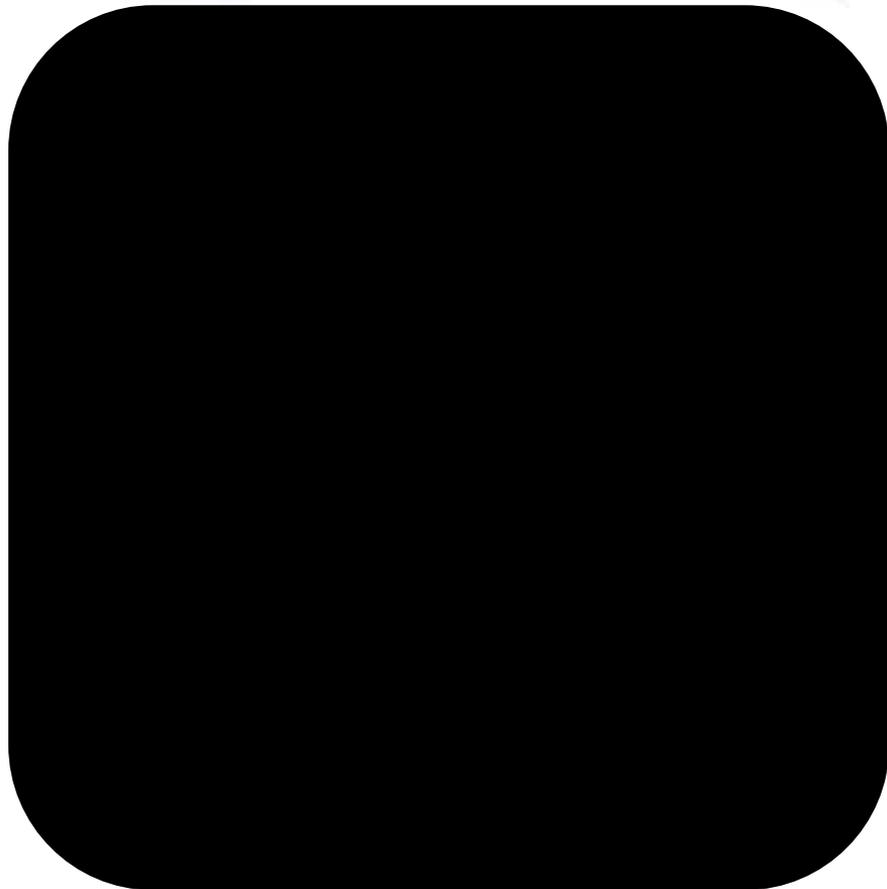
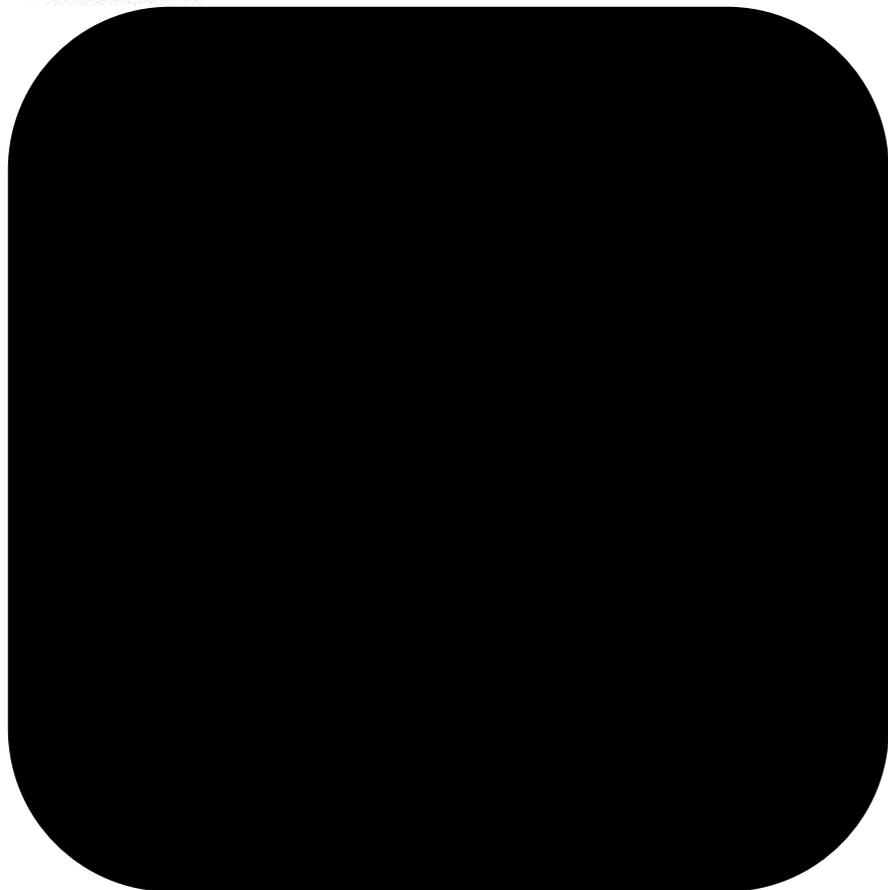
Diabetes Mellitus, Hypertension, Dyslipidemia

Effort Dyspnea/ Anginal equivalent from several years

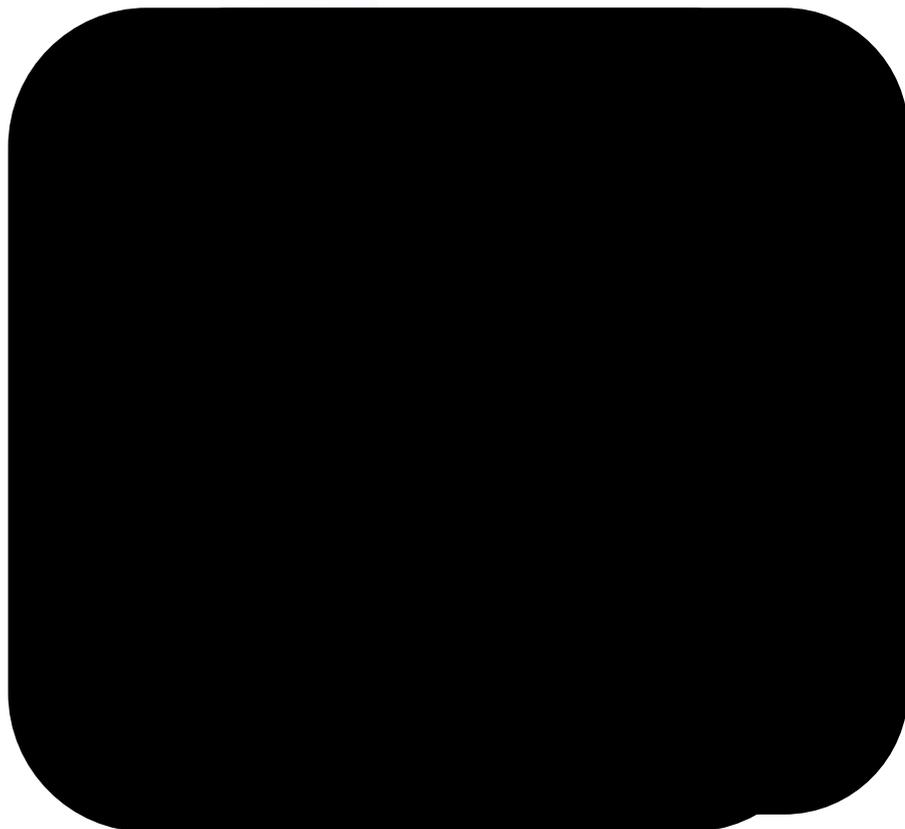
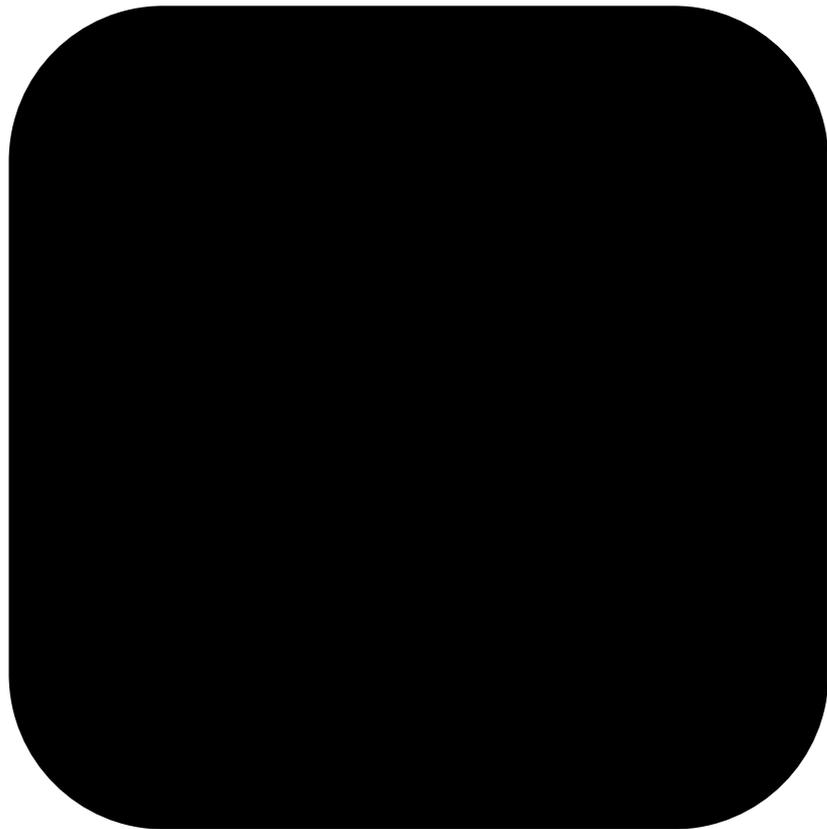
LVEF 55%, Infero-postero-lateral ipokinesia

Stress Echocardiography positive for ischemia at infero-postero-lateral wall

CORONARY ANGIOGRAPHY

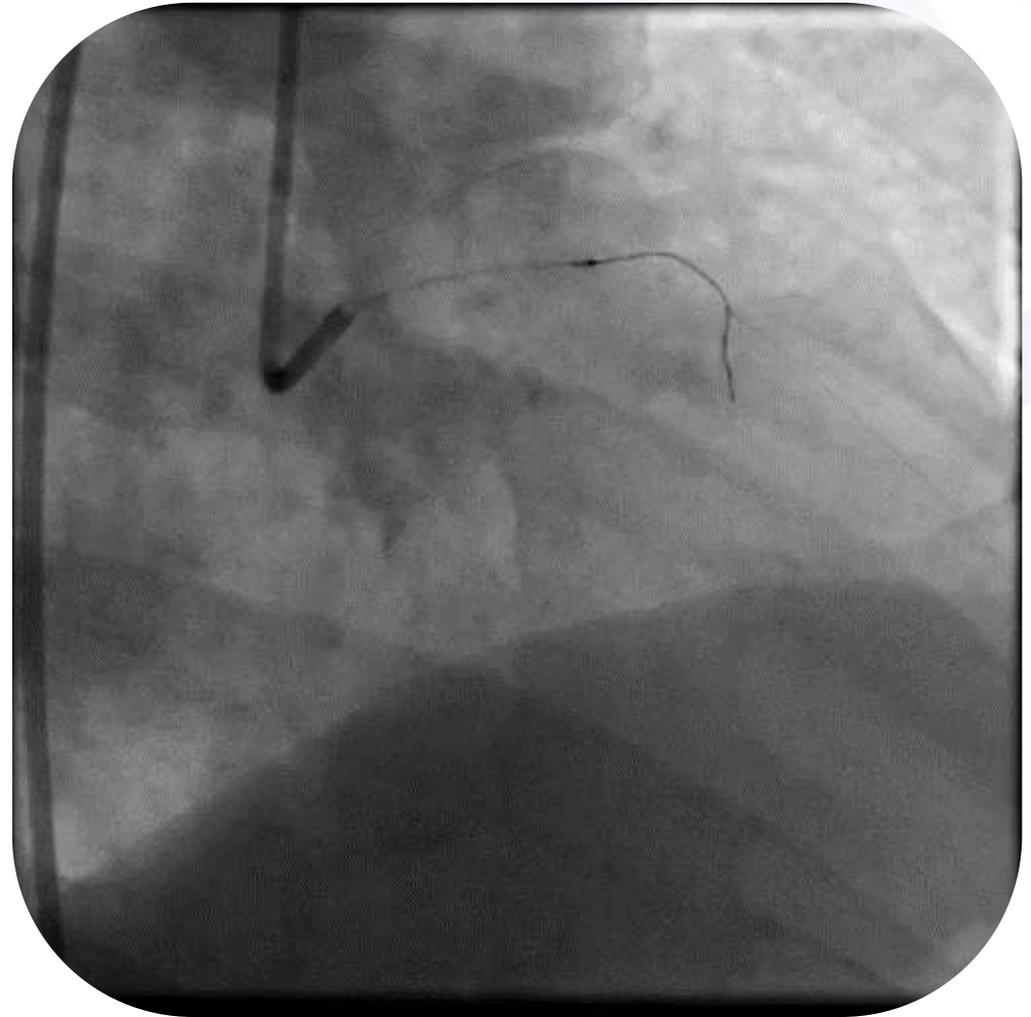


CORONARY ANGIOGRAPHY



**1° Septal Branch –
Combination of Surfing & Tip injection**
GW: *Sion, Sion Black, Suho03*

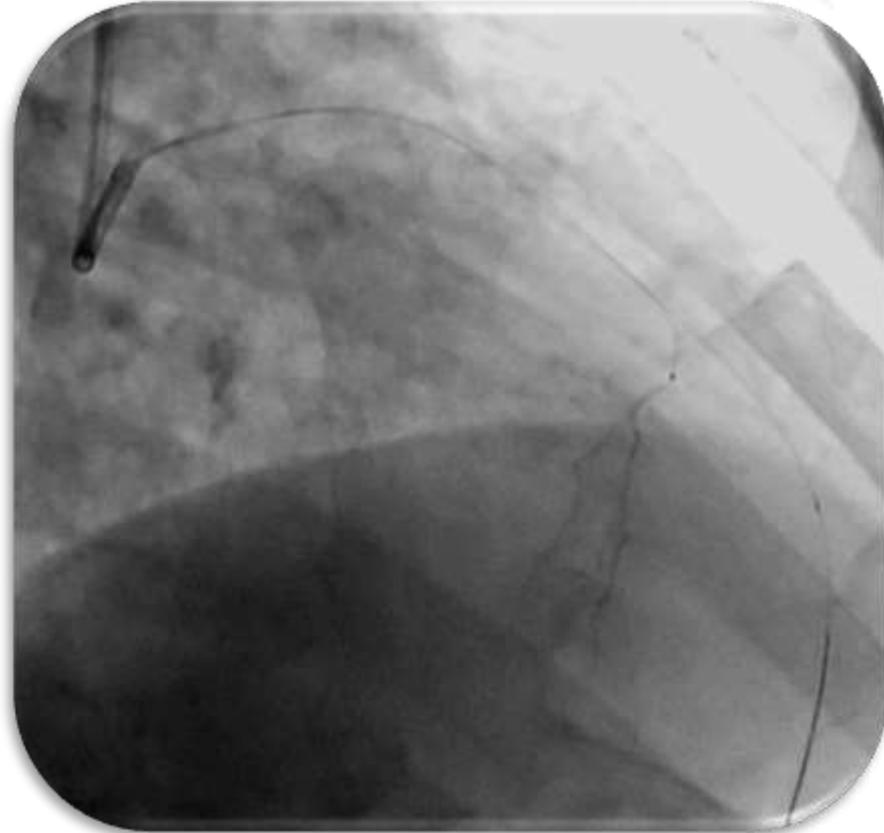
CROSSING FAILURE



2° Septal Branch – surfing/tip injection –
GW: *Sion, Suho03, Sion Black*



3° Septal Branch – tip injection –
GW: *Suho03, Sion Black*

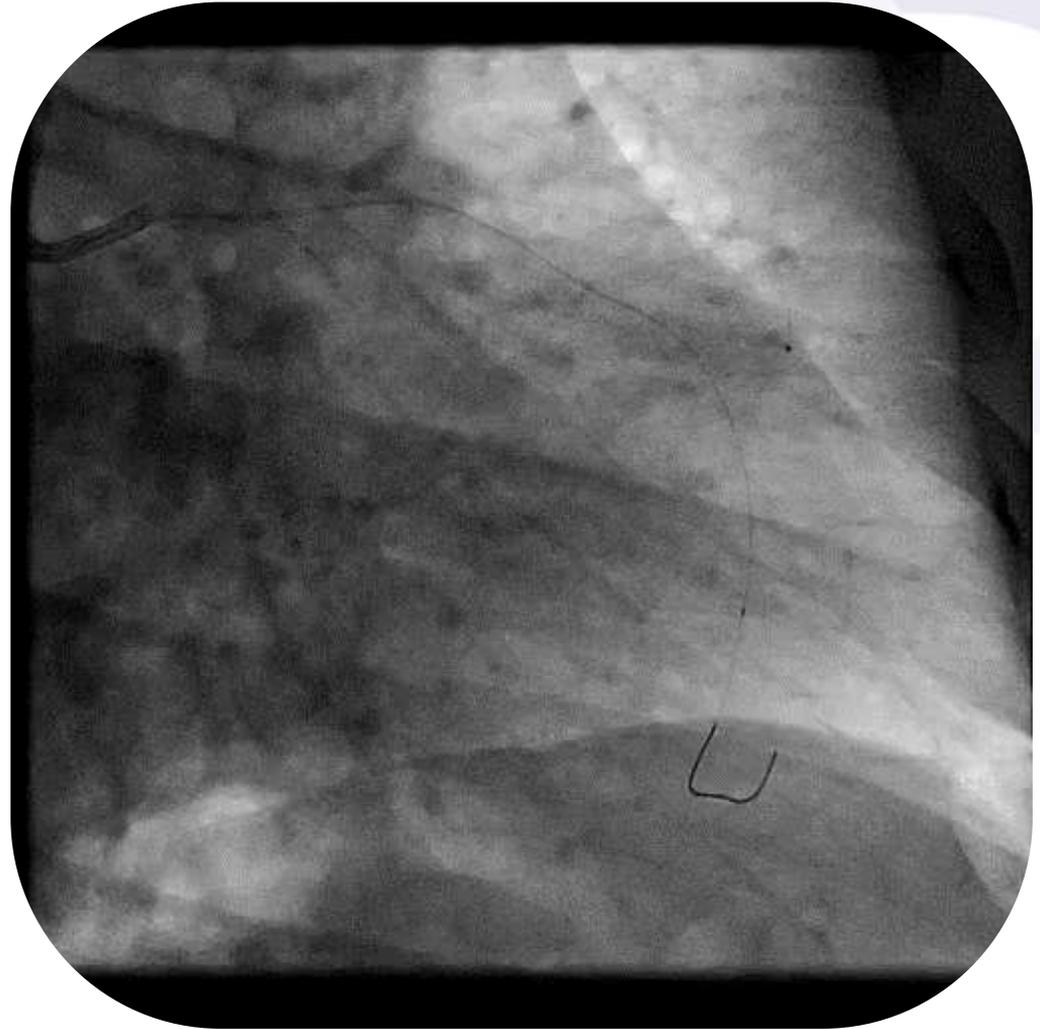


CROSSING FAILURE

Epicardial Collateral
Diagonal – PL
GW: Suho03

MC: *Finecross - Caravel 150*

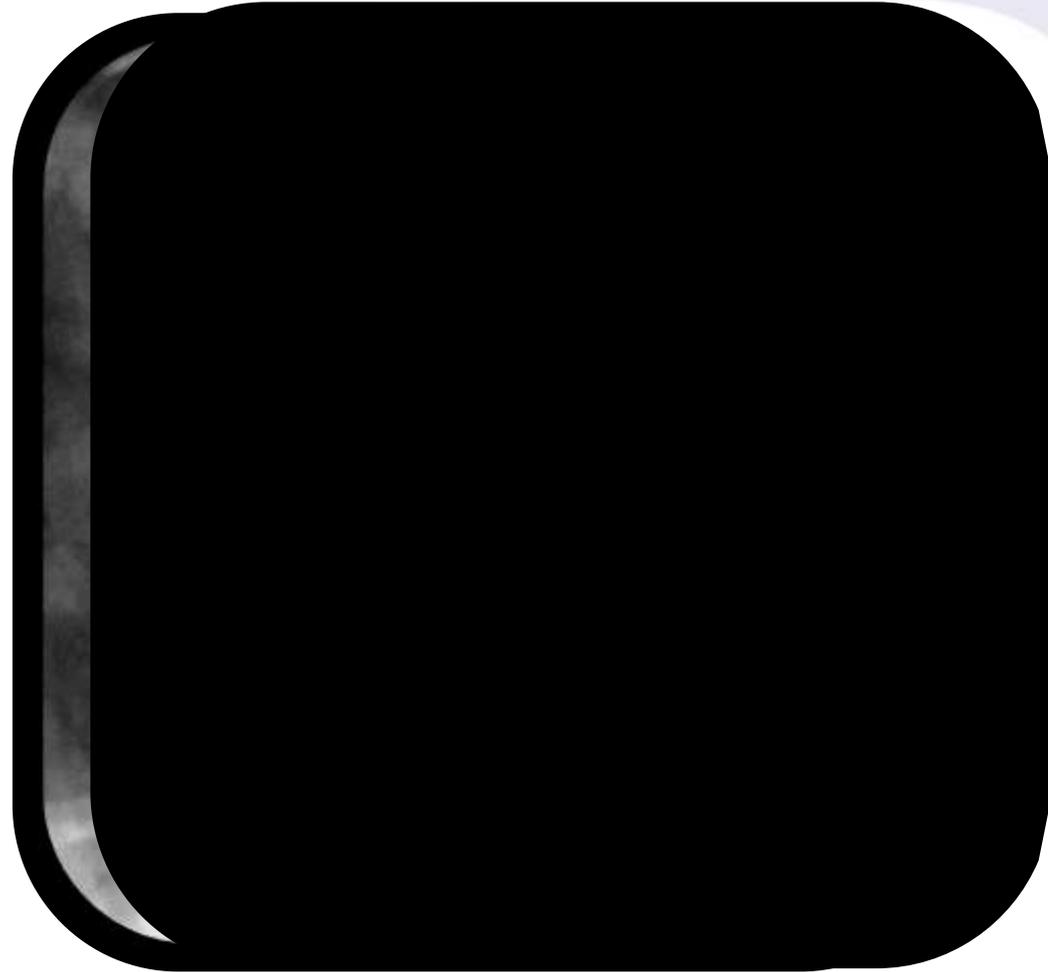
MC CROSSING FAILURE



EPICARDIAL COLLATERAL RUPTURE

Coil Embolization:

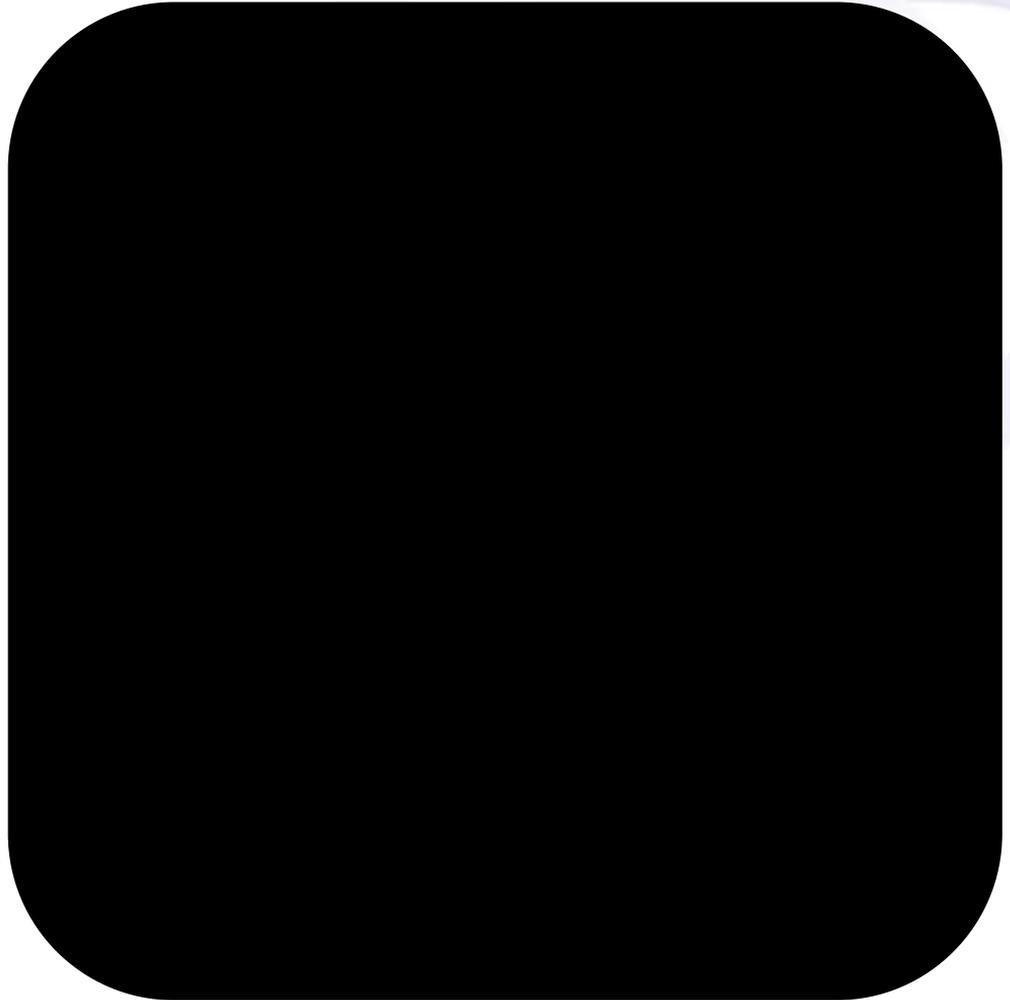
2 Target Nano 1.5 mm



NEW SWITCH to SEPTAL

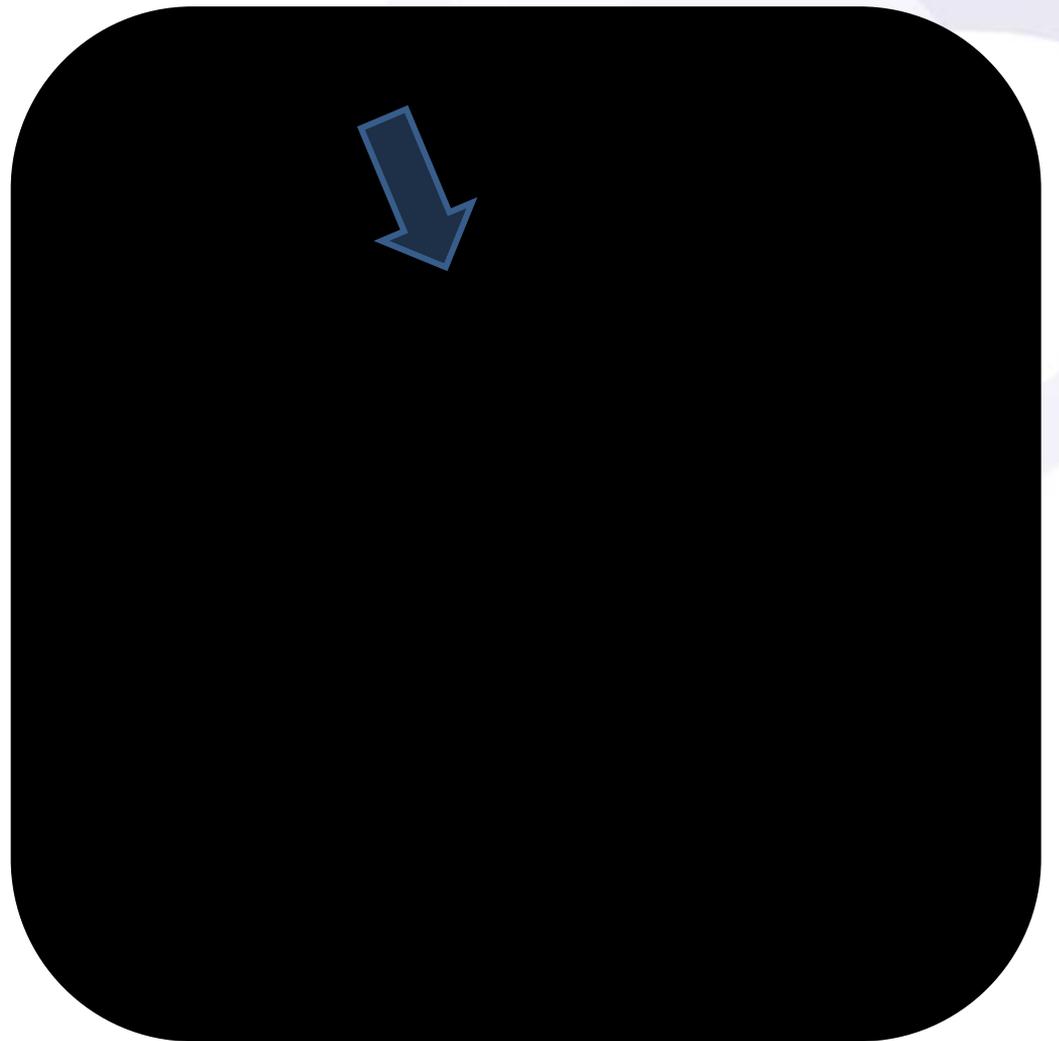
**2° Septal Branch
Surfing Technique**
GW: *Sion Black*

CROSSING SUCCESS



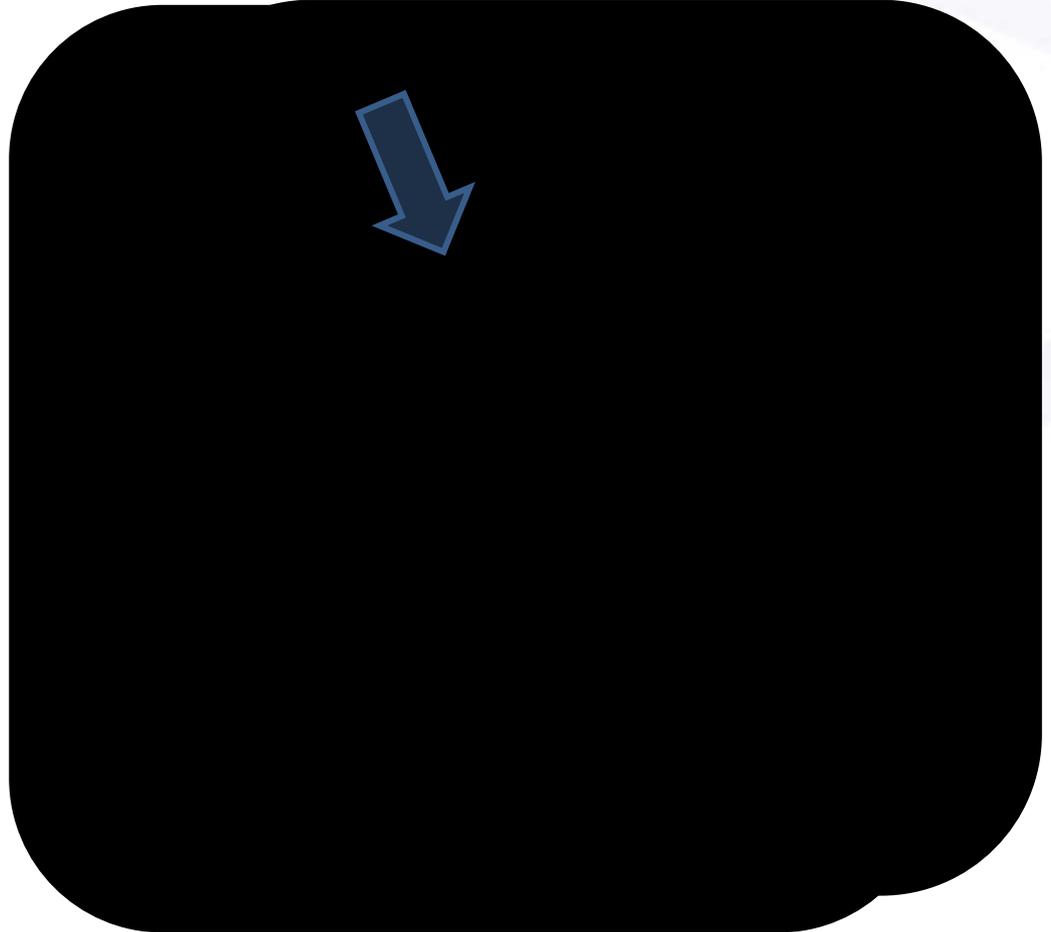
MC Caravel 150
CROSSING
Tip- injection

OSTIAL FLUSH RCA CTO



Retrograde Wire Escalation
Tapered Polymeric Wire
GW: *Bandit*

ANTEGRADE GUIDING
JR4 7F
Proximal Cap

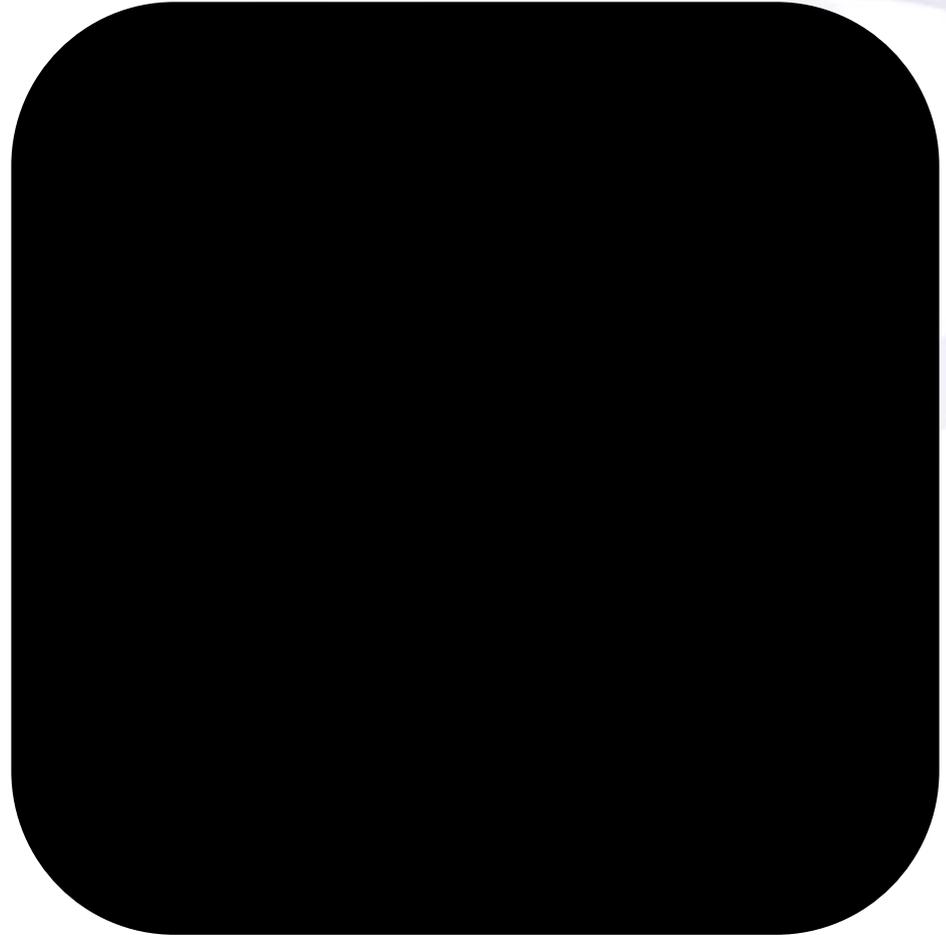


Retrograde Wire Escalation
CROSSING CALCIFIED PROX CAP
GW: *Gaia 3rd*

GAIA 3rd
Aortic Root

+

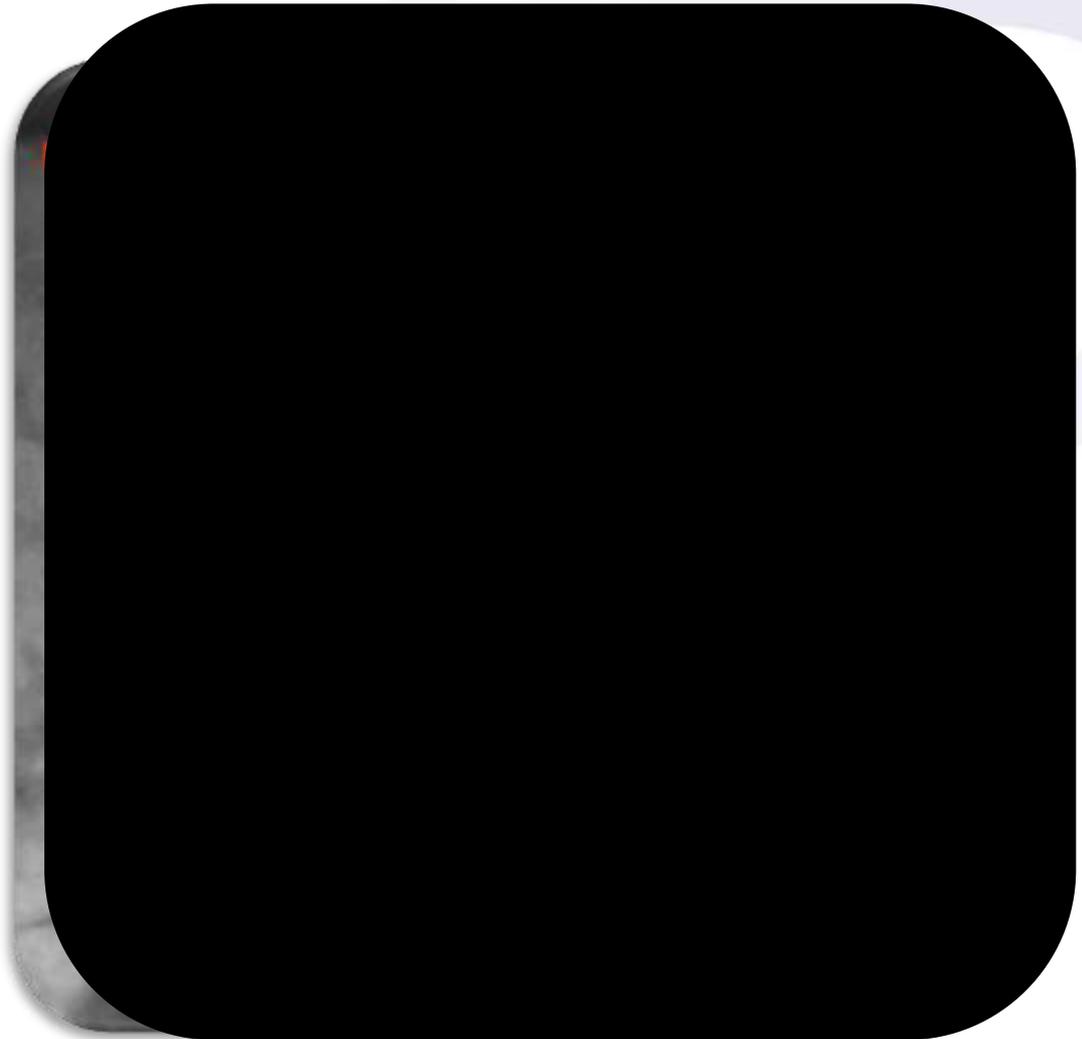
MC Caravel
CTO body



Aortic Guide Engagement «Catch-in» technique

Gaia 3 -> AL1 7F

Engagement at aortic arch

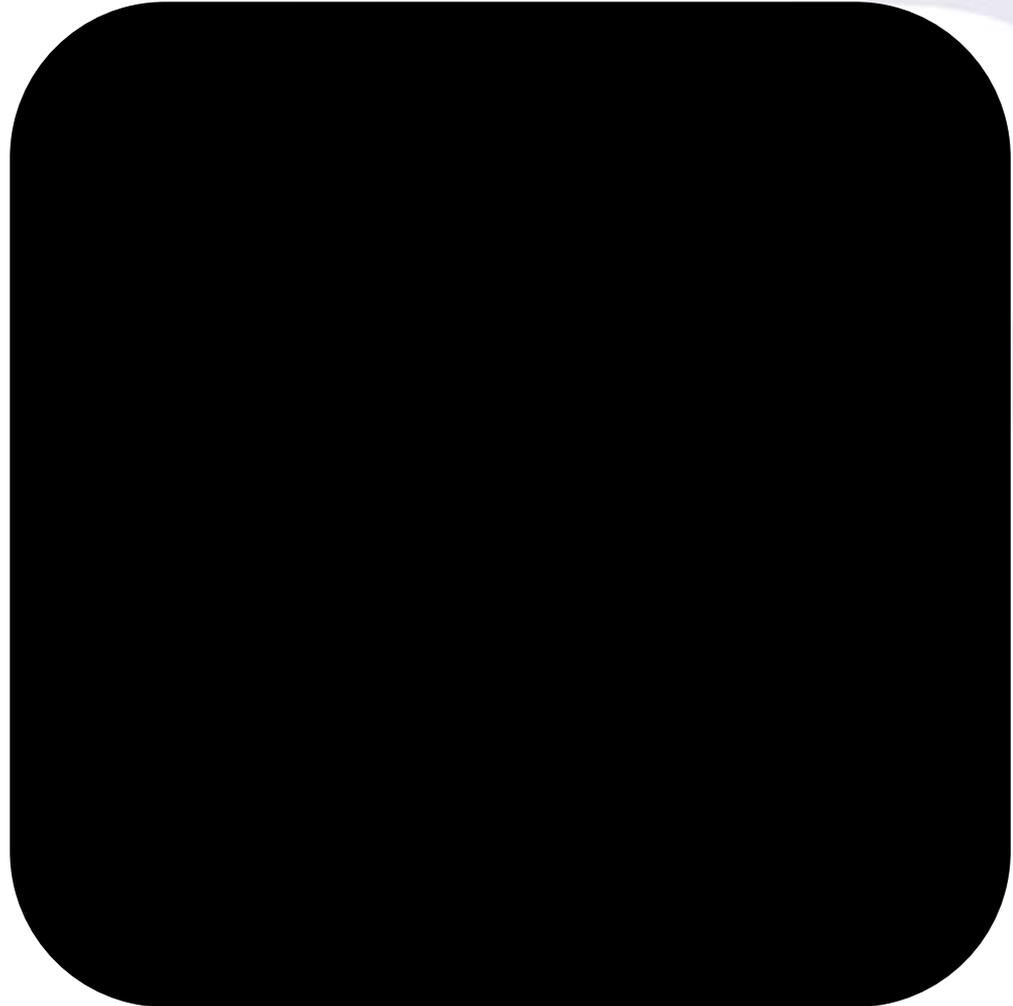


Aortic Guide Engagement «Catch-in» technique

*Reverse anchoring balloon
Trap balloon 3.0 x 15 mm*



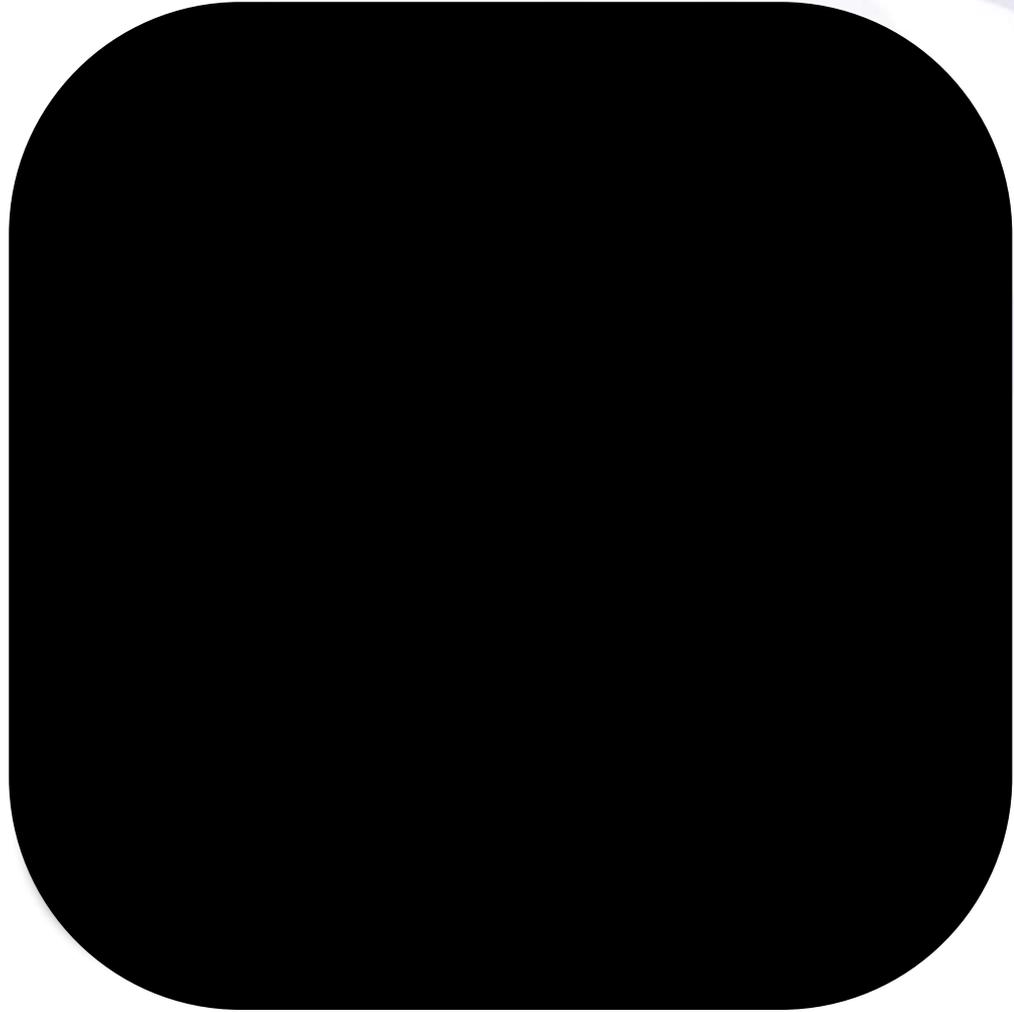
Retrieve AL1



Antegrade Conversion «Tip-in» technique

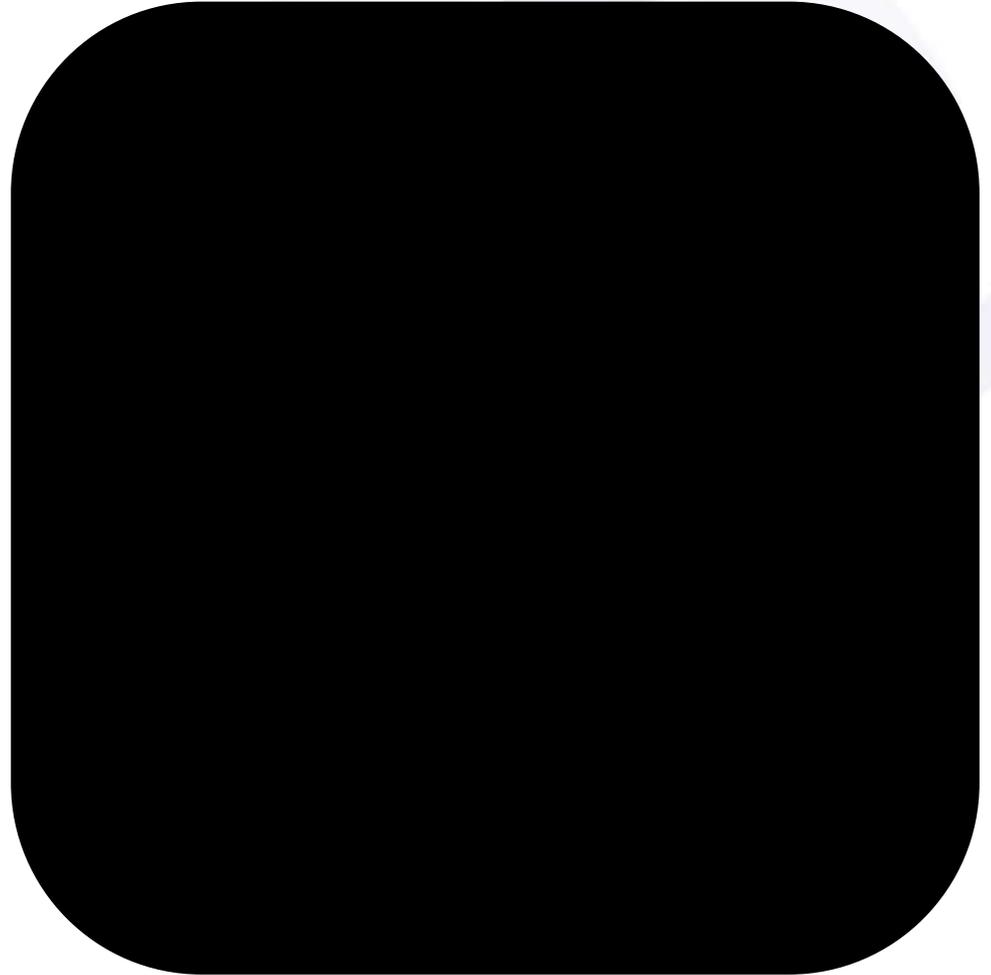
*Facilitated by trap balloon
&
«catch-it» technique*

Gaia 3 -> Finecross

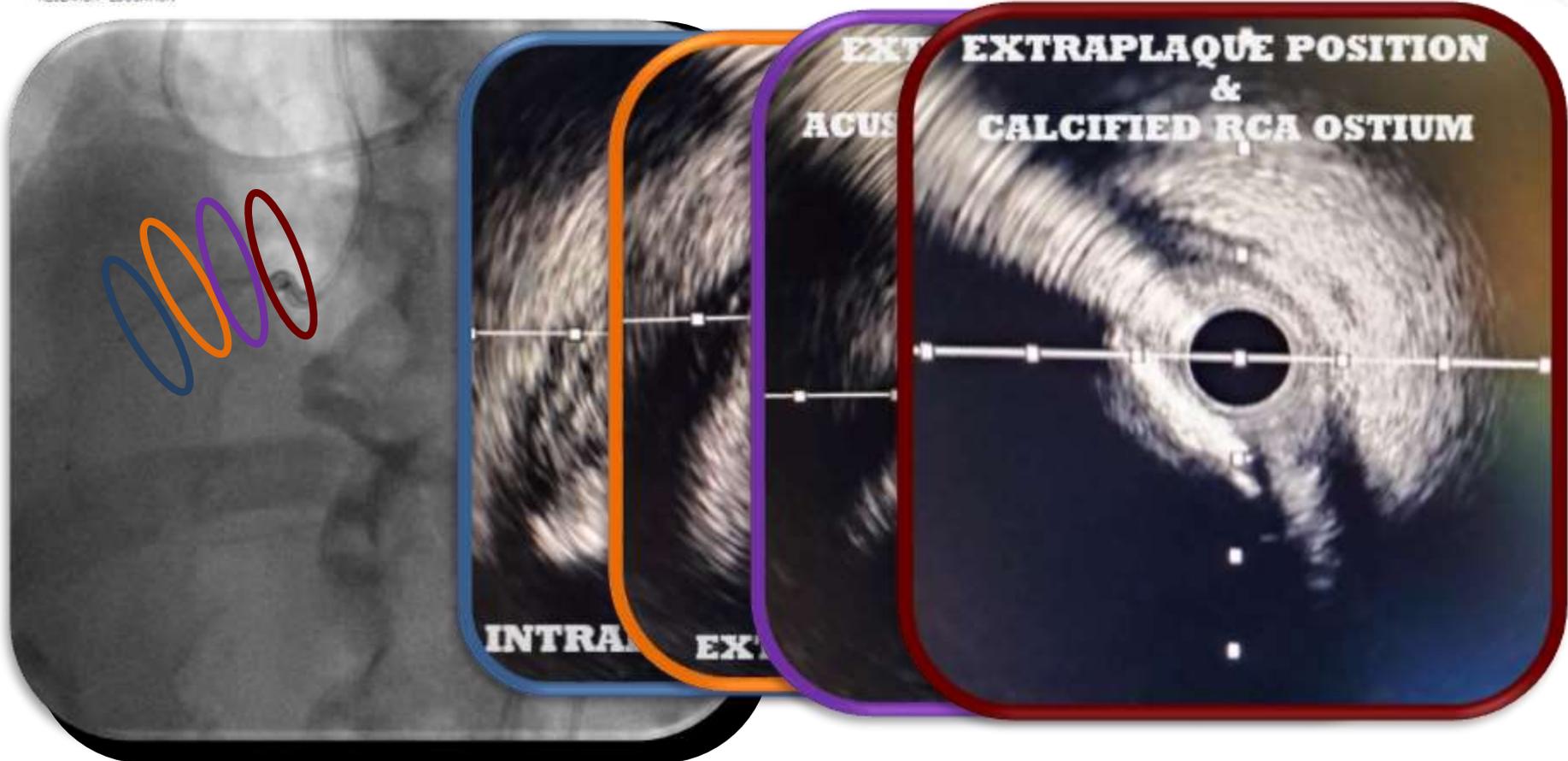


Antegrade Conversion

*MC Finecross in Distal RCA
Sion Blue ES in PL*



IVUS analysis of RCA



RCA PTCA

Predilation: *NC Balloon 3.5 mm (20 Atm)*

DES: *Xience Sierra 3.5 x 33 mm (16 Atm)*

DCB: *Restore 3.5 x 20 - 3.5 x 15 (14 Atm)*

Postdilation: *NC Balloon 4.0 mm (20 Atm)*

FINAL RESULT

