



CASE

Another Option of Retrograde Approach for the Treatment of Chronic Total Occlusion in Bifurcation Area

Daegu Catholic University Medical Center



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- **Brief Case Summary**
- > Age : 59 year
- Gender : Male
- C.C : Effort related chest pain for 2 months
 - Nature: dull

- Area: sub-sternal

- Duration: few miniutes

- Cold sweating (-) / Radiating pain (-)

- > P/Hx : Hypertension
- **>** Risk Factors of CAD : Hypertension
- **Past Medical History**
- Previous MI, PCI, CABG : None
- > Other(s) : Hypertension

Physical Exam

Vital sign

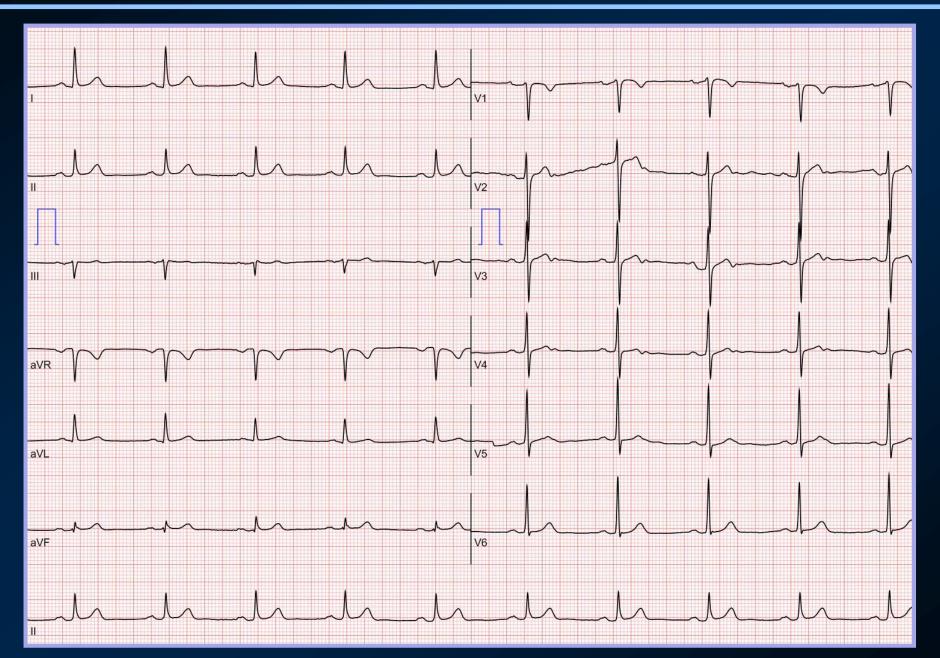
ВР 120/70mmHg, PR 76bpm, RR 20bpm, BT 36.4°С

- General appearance : Acute ill appearance
- HEENT: Non-pale conjunctiva, Neck vein distension (-/-)
- Chest
 - Clear breathing sound
 - Regular heart beat
- Abdomen : Soft
- Extremity : Pretibial pitting edema (-/-)

Chest X-ray



ECG

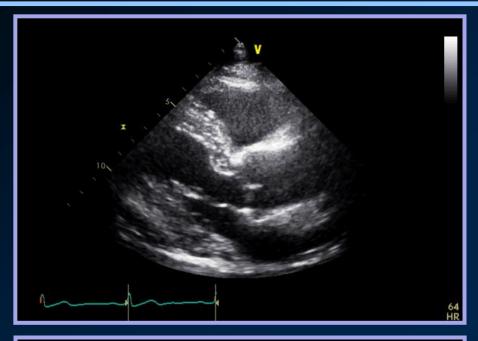


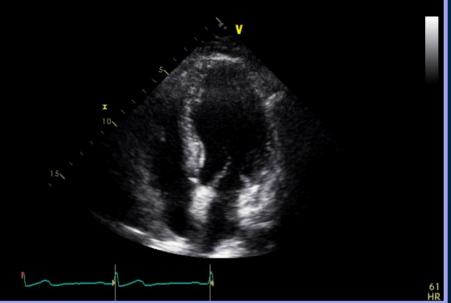
Laboratory finding

Cardiac profile		Lipid p
	1.7	T-chole
CK-MB (ng/ml)	1./	TG (mg
Tn-I (ng/ml)	0.1	
CRP (mg/l)	0.6	HDL-C
	0.24	LDL-C
D-dimer (µg/ml)	0.34	Apo A1
Pro-BNP (pg/ml)	7.7	_ Apo B (
eGFR	98	
		\Box LP (a) (2)

Lipid profile		
T-chole (mg/dl)	168	
TG (mg/dl)	91	
HDL-C (mg/dl)	42	
LDL-C (mg/dl)	111	
Apo A1 (mg/dl)	118.2	
Apo B (mg/dl)	96.7	
LP (a) (mg/dl)	24.9	

Echocardiography

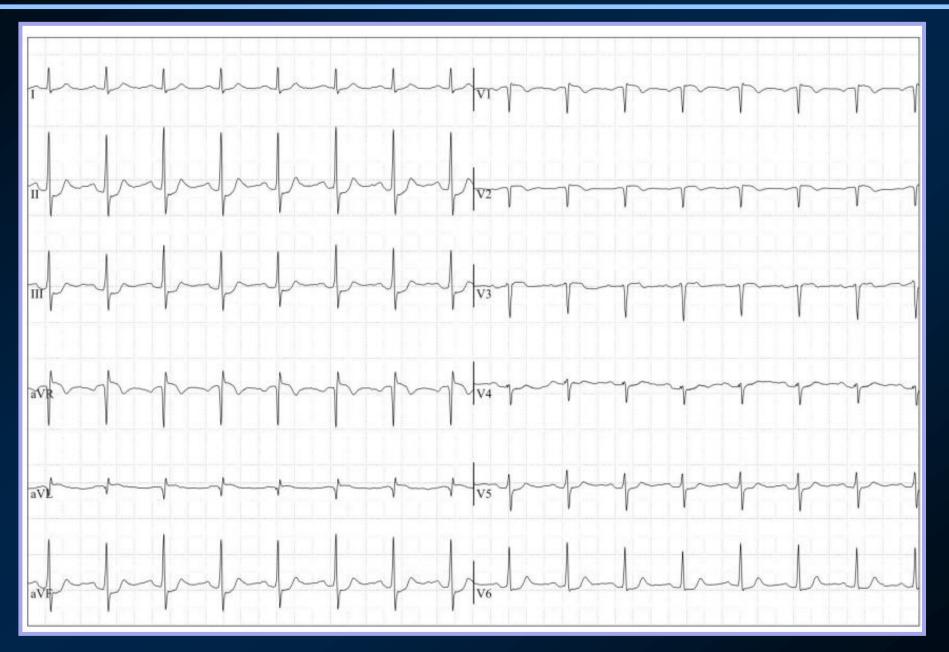


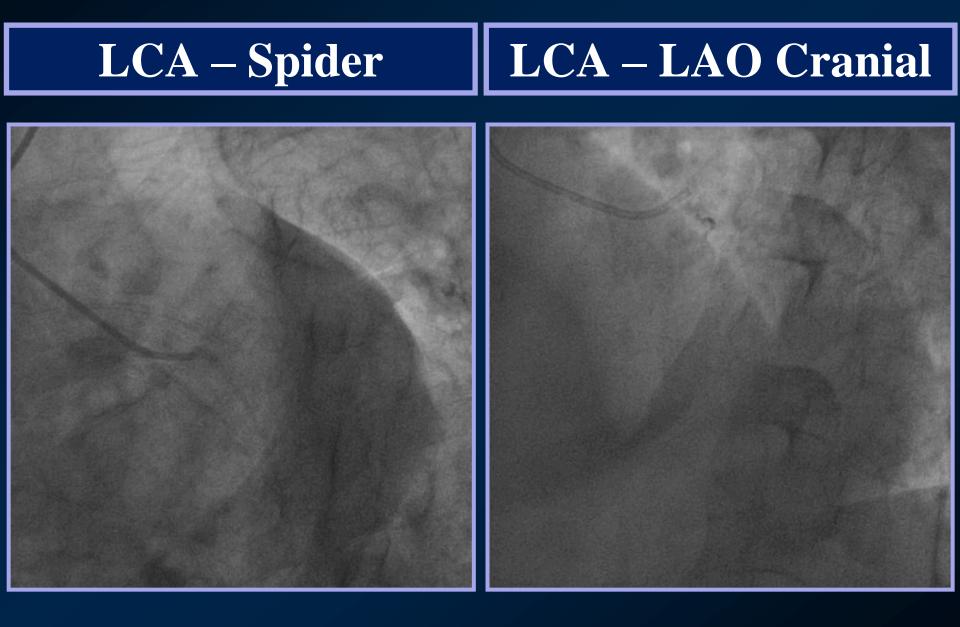






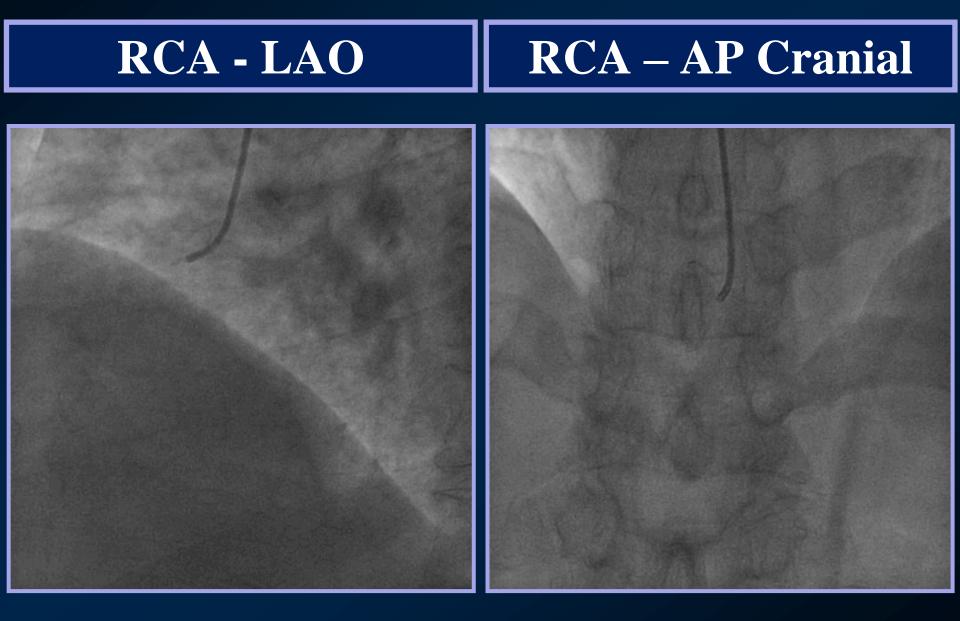
Exercise treadmill test



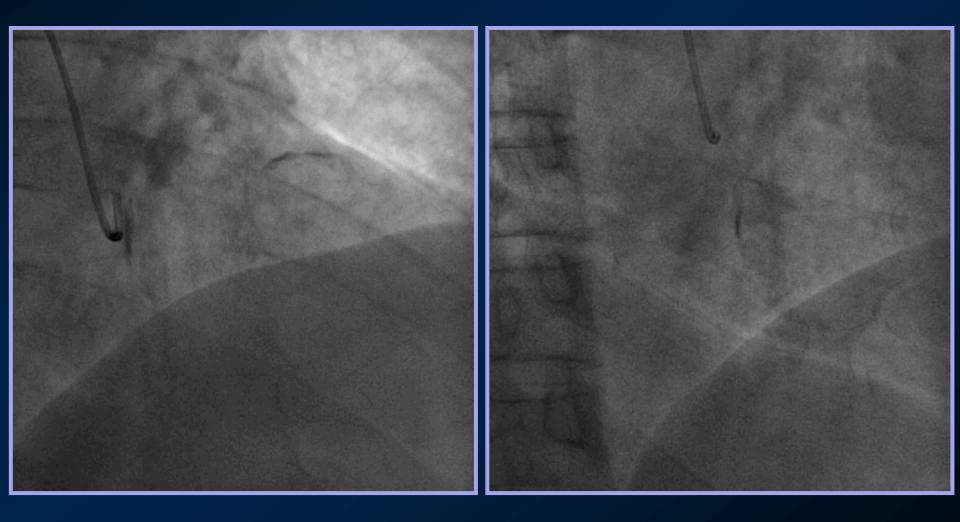


LCA – RAO Cranial || LCA – RAO Caudal





LCA – RAO Cranial RCA – RAO Cranial



Approach to patient



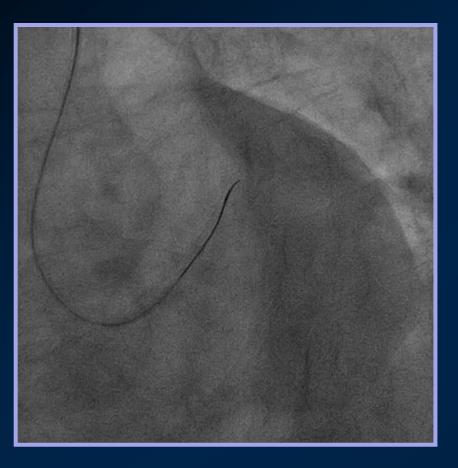






PCI for CTO lesion

Approach to patient



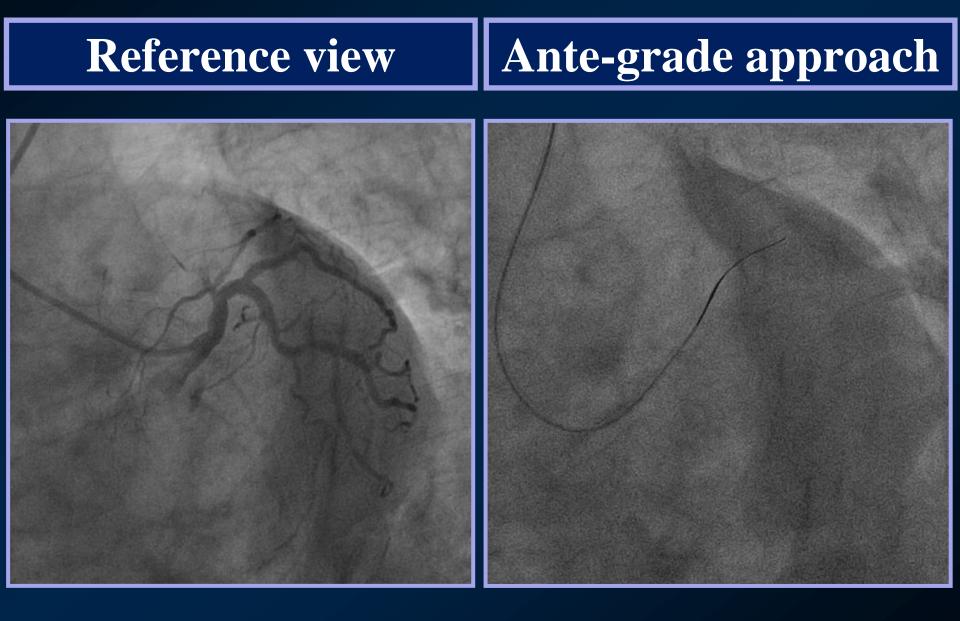
Ante-grade approach via Trans-radial intervention



Cather support - Passive Support : 6Fr XB3.5 SH

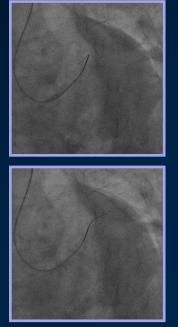
Guidewire-Support Devices - Corsair microcatheter

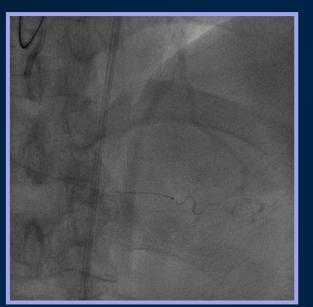
Guidewire - Fielder-FC



Approach to patient







Retro-grade approach Trans-femoral intervention



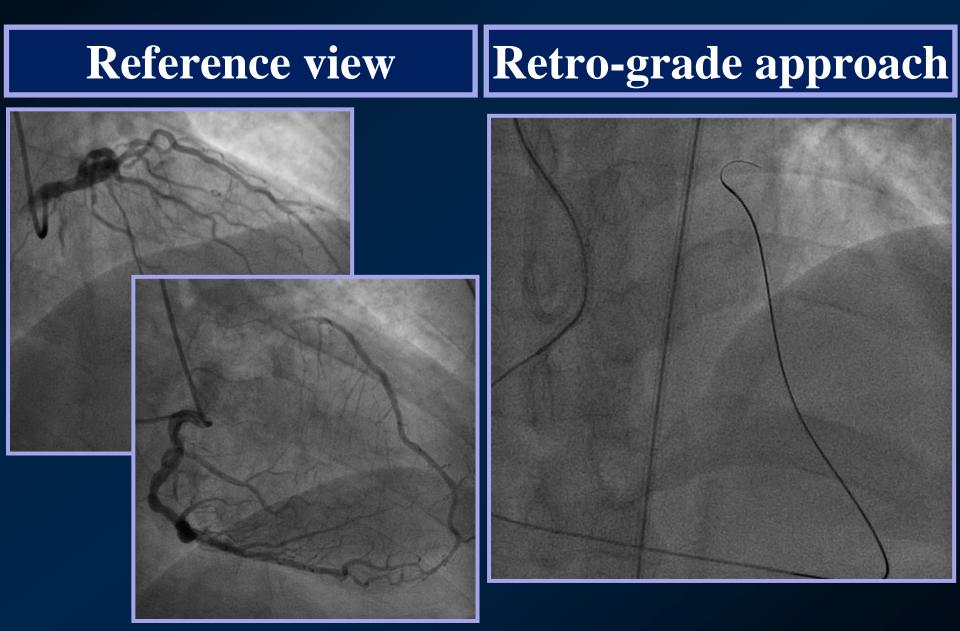
Cather support Passive Support : 7Fr AL1 SH

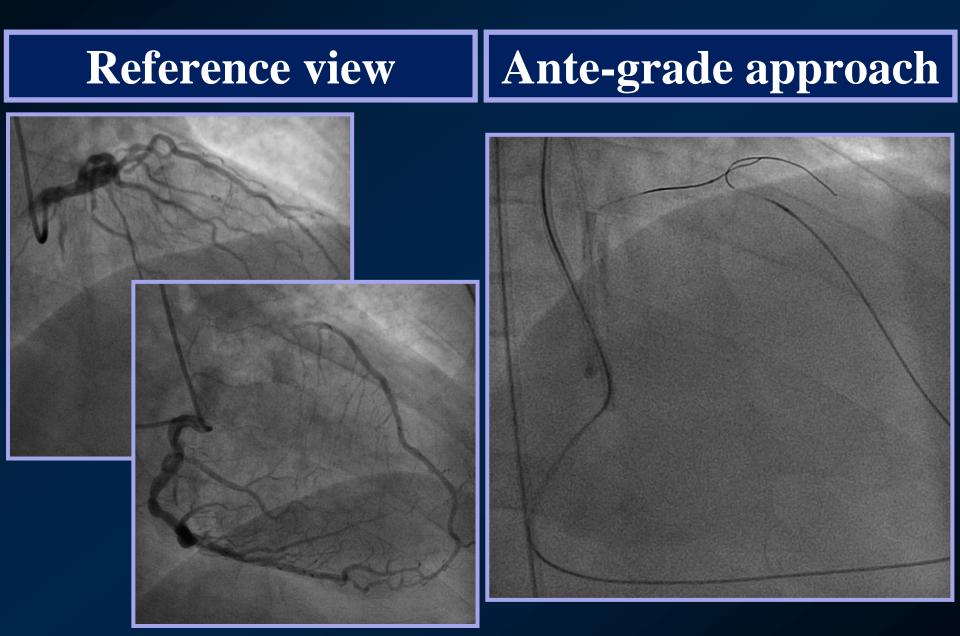
Guidewire-Support Devices - Corsair microcatheter

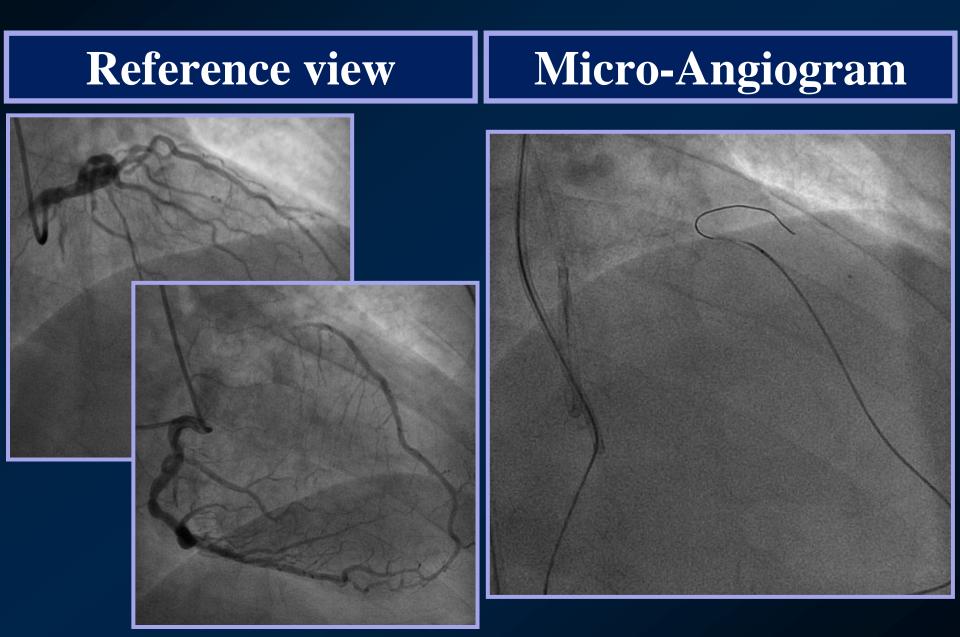
Guidewire - Fielder-XT

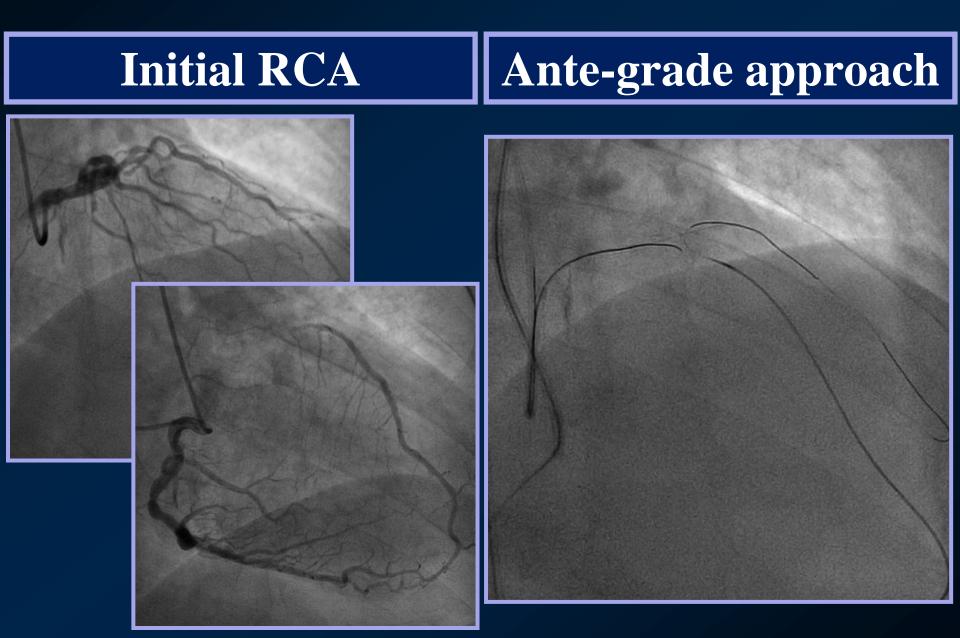


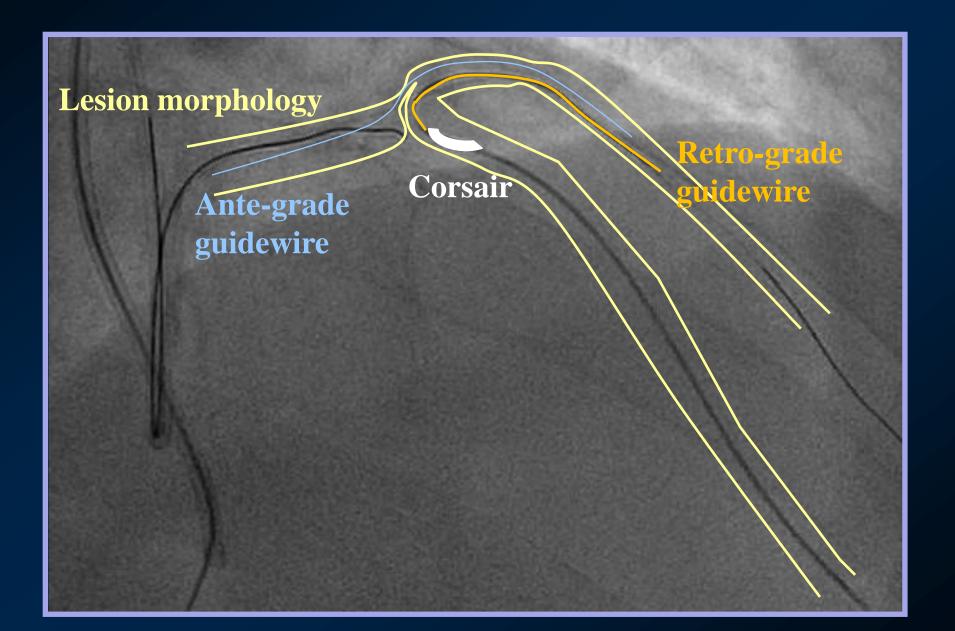


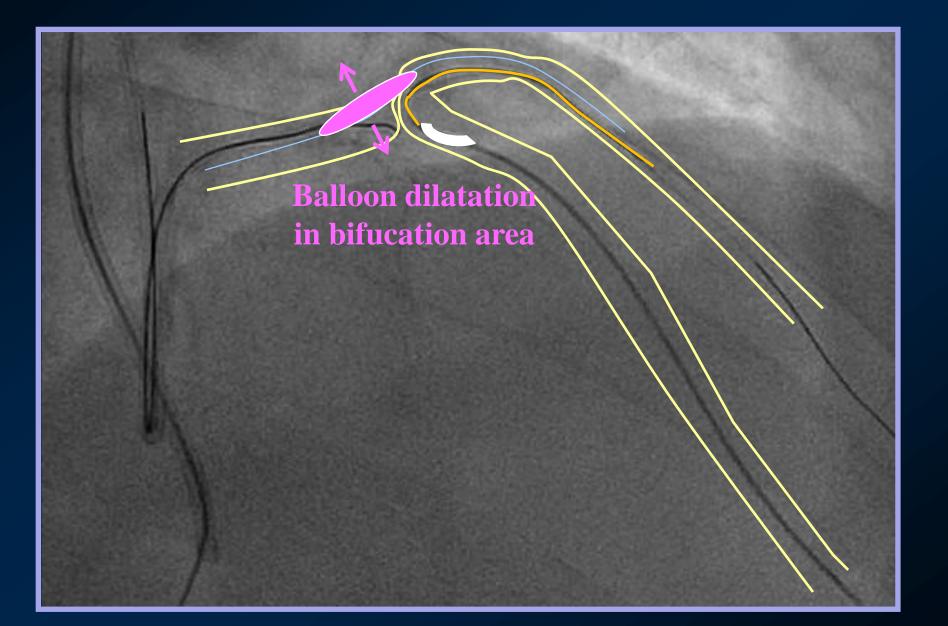




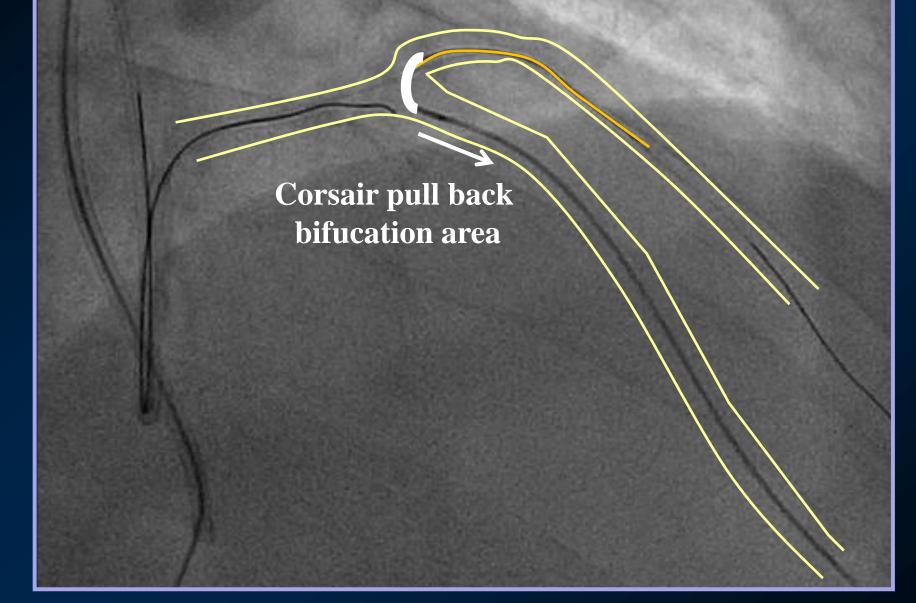




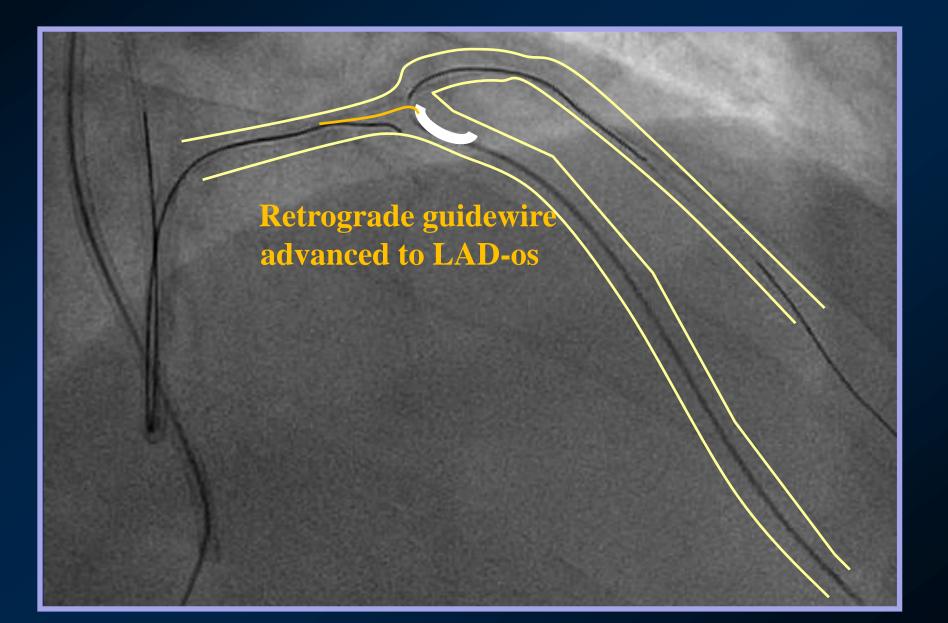


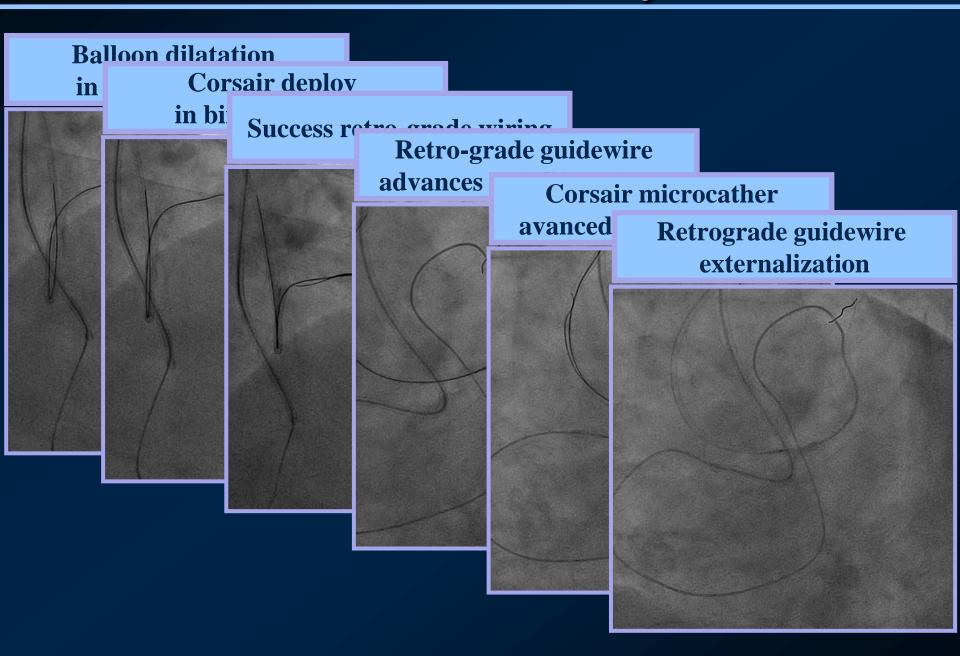


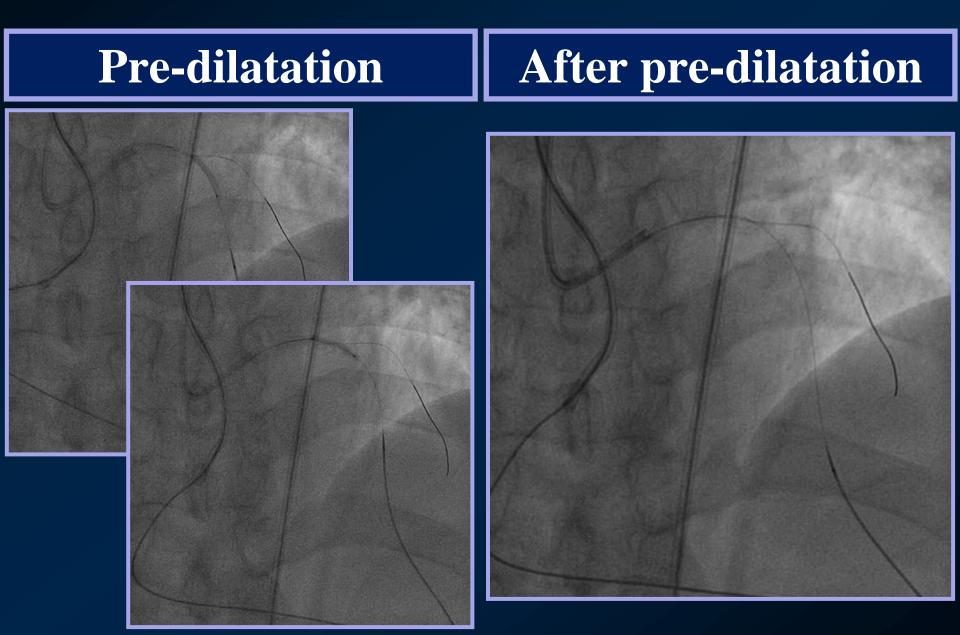
Corsair advance to diagonal branch

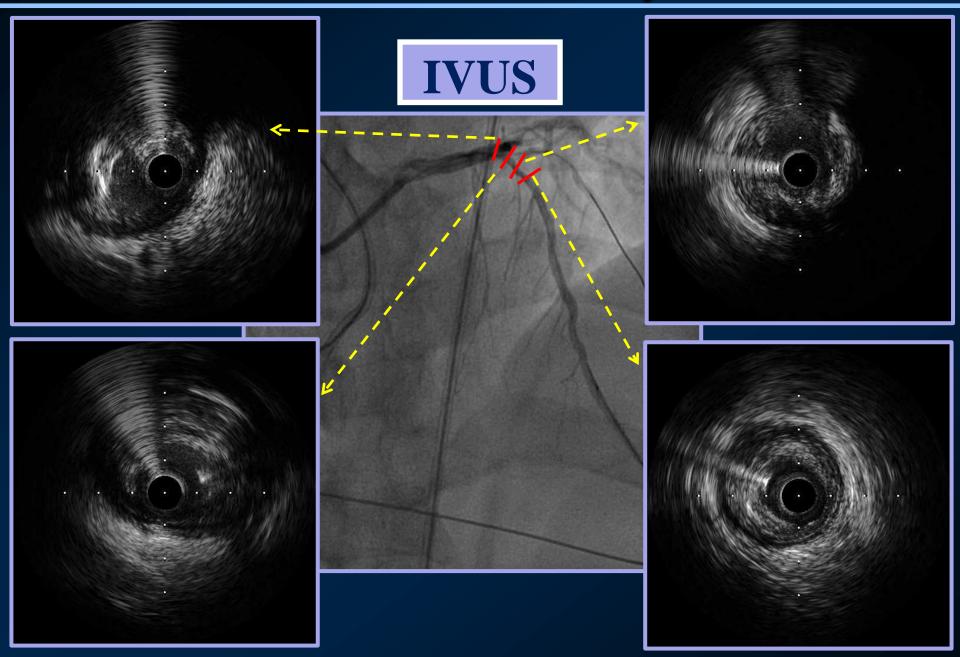


Retrograde guidewire pull back bifucation area



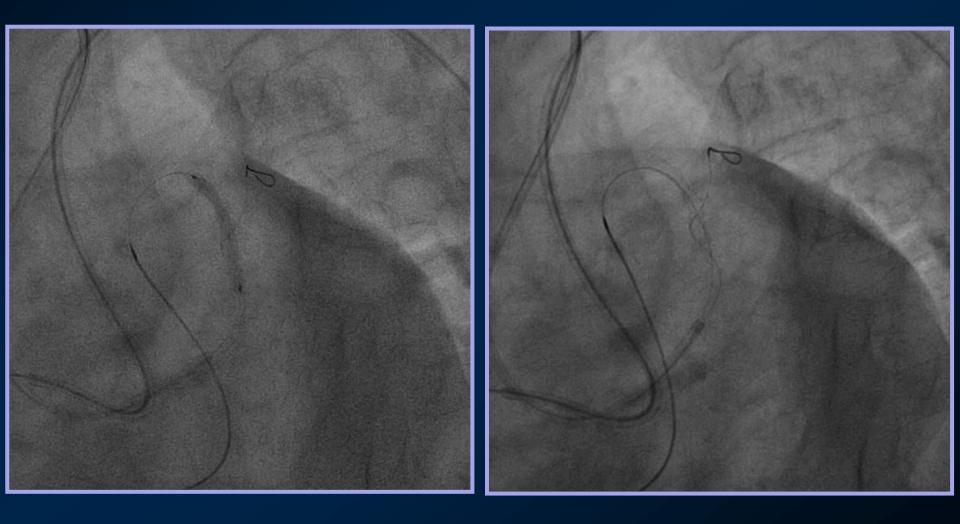


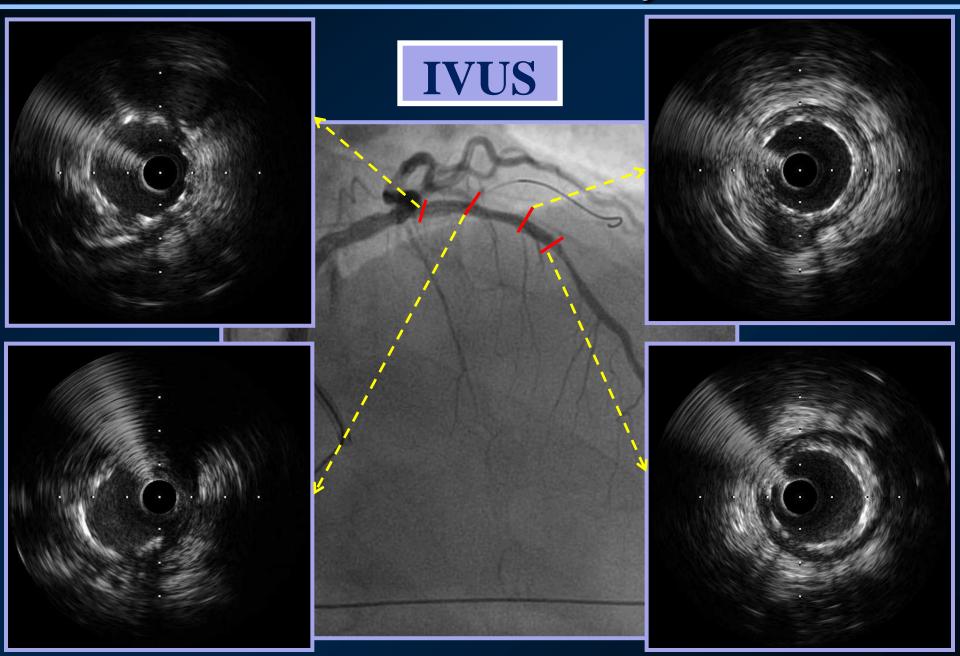


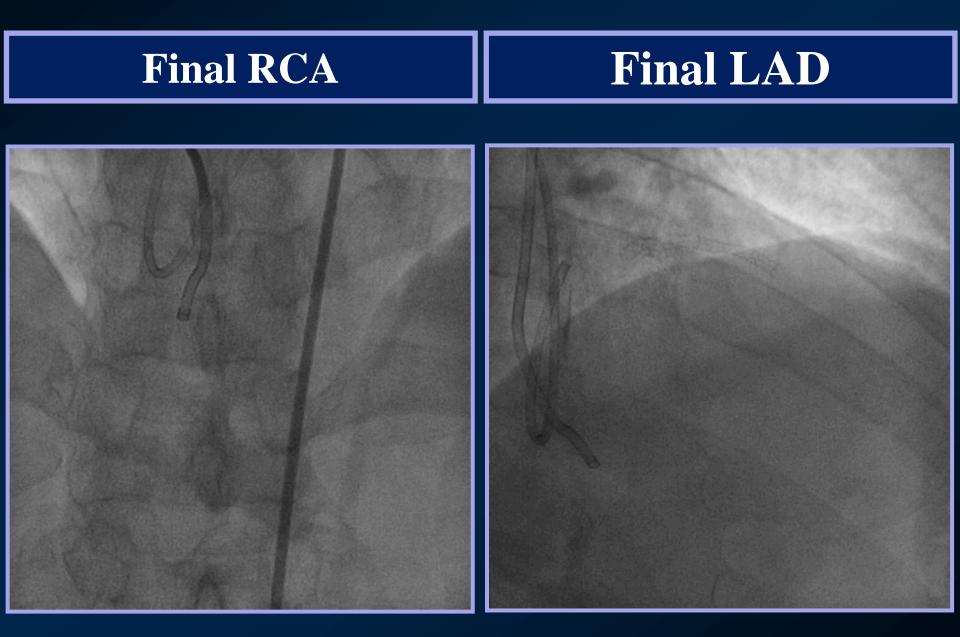


Xience Xpedition 3.25x38

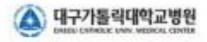
After stenting







Thank you for your attention



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