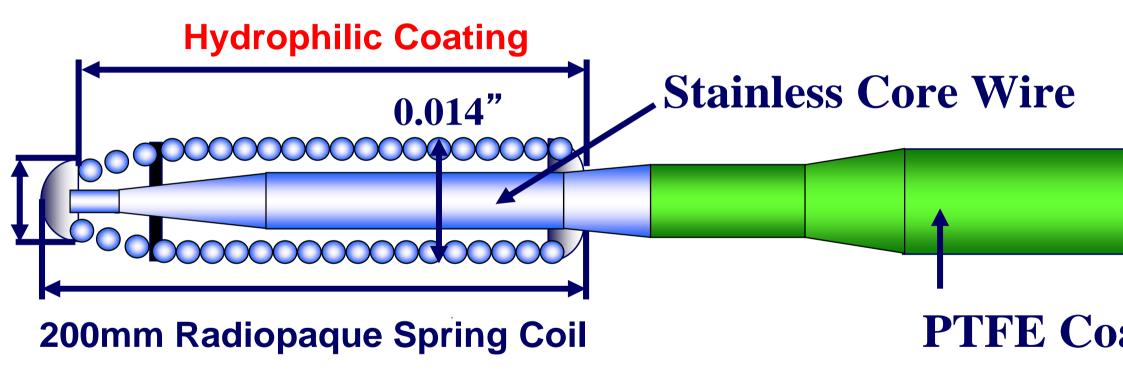
Wire Skill I: The Conquest (Confianza) Wire

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Kurashiki Central Hospital

Kurashiki

Conquest (Confianza) Pro & Pro 12



stiffness: 9g & 12g

Essential Concepts to Use the Conquest Pro

Penetrating strategy

Not drilling strategy

Precise Direction Control

Parallel wire (Seesaw wiring) method

Weaker Than the Plaque



PF=Pushing Force

: Hard plaque or fibrous cap

· Guidewire· Tip stiffness=N a

or Successful Penetrating Strateg

- Use a guidewire whose tip-stiffness is stronger than the plaque
- To penetrate the harder lesions we need the steeper guide-wire
 - Tapered tip guidewire (stronger penetrating force)
 - Utilize a pushing force less than stiffness weight (g)

or Successful Penetrating Strates

- Explore the correct entry point and correct route very slowly,
- Rotating the guide-wire tip less than $\pm 90^{\circ}$

Precise Direction Control

Guidewire tip shape Bilateral angiography

Collateral angiography

Biplane cine-angiography

Retrograde wire placement as a landma

Direction Control

Small (1~1.5mm)Tip Curve with Gentle Second Curve

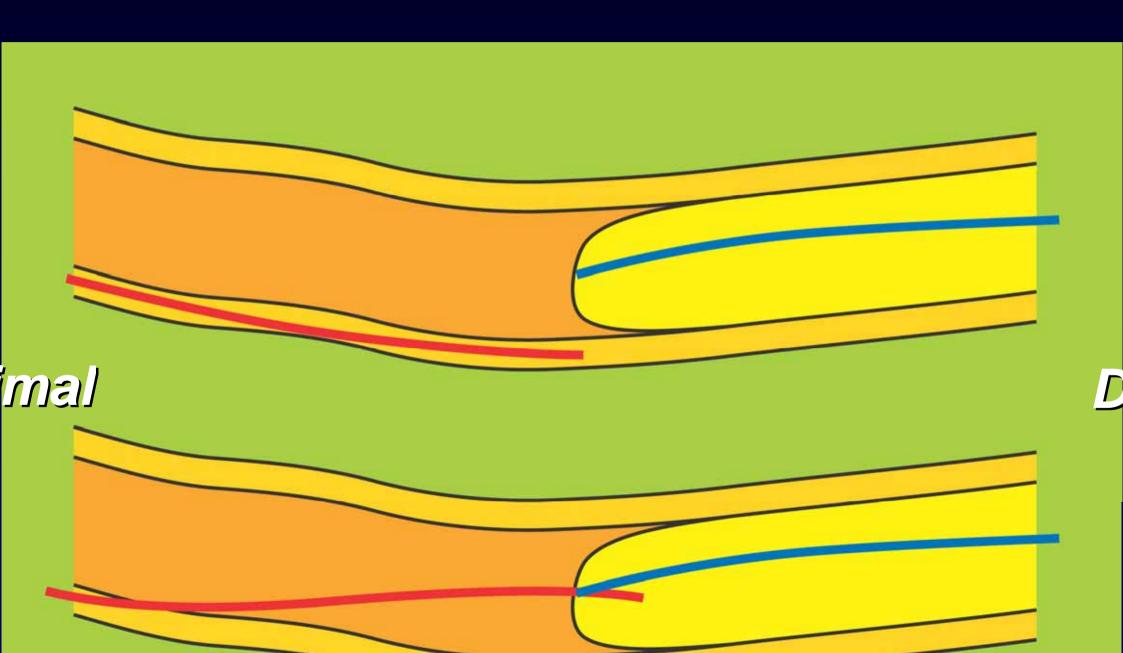
For more tortuous occlusions, the second curve should be more bent.

Retrograde Approach

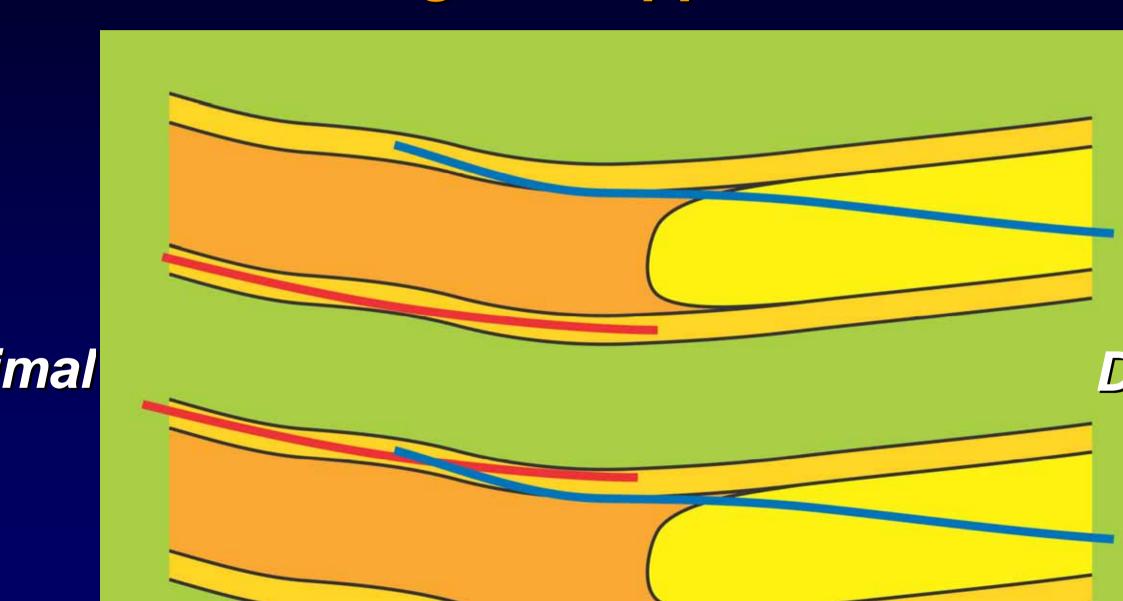
Guidewire approach to the distal exit point Three strategic concepts

- Distal GW tip: Landmark of distal true lumen
- Making a channel from distal (proximal) true lume into the occlusion site to cross the lesion easier later the antegrade (retrograde) guidewire
- Direct guidewire crossing from distal to proximal true lumen.

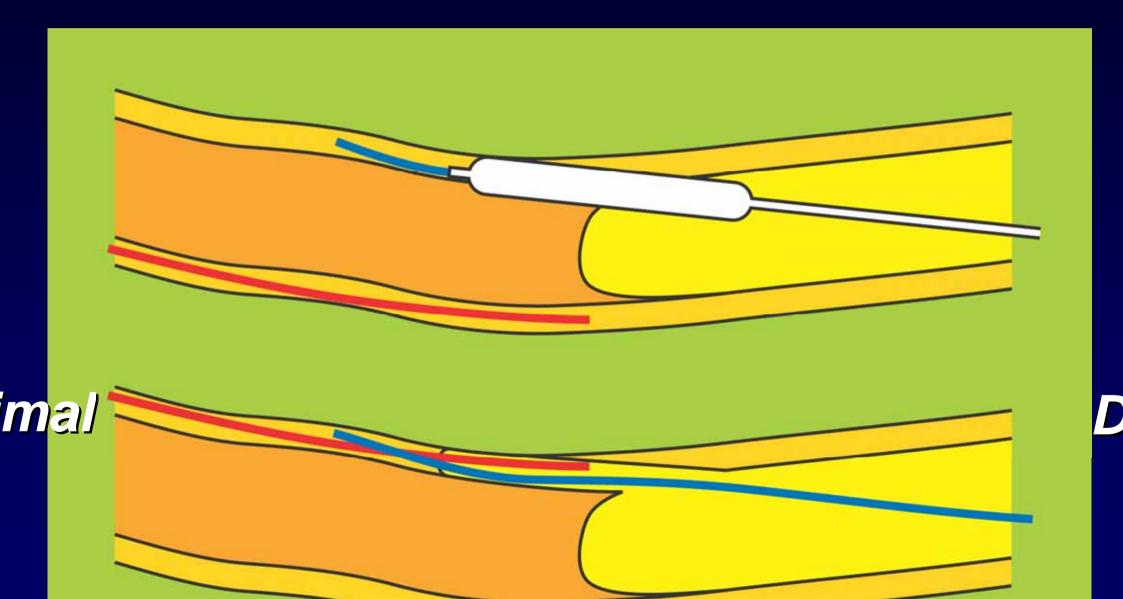
Landmark of Distal Irue Lume Retrograde Approach



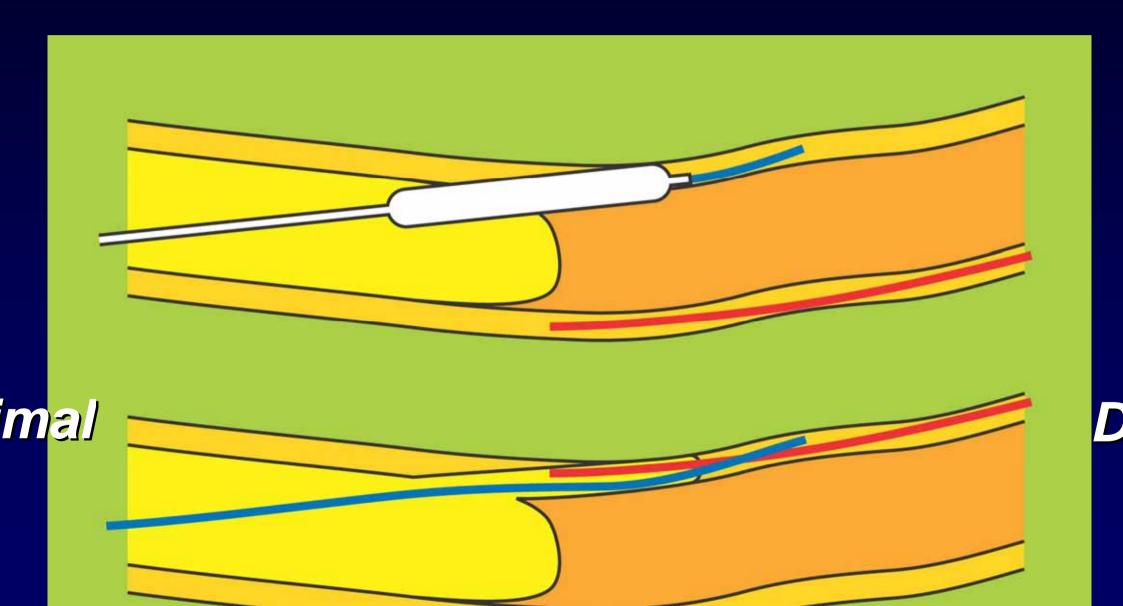
Lumen Retrograde Approach



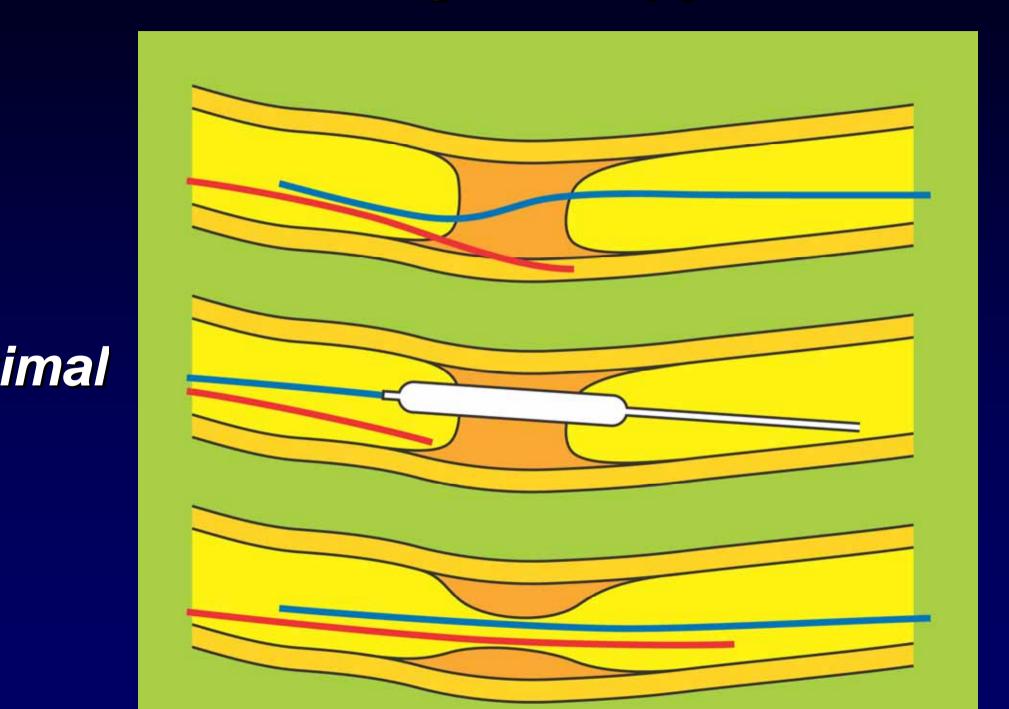
Occluded False/True Lumen Retrograde Approach



Occluded False/True Lumen Retrograde Approach

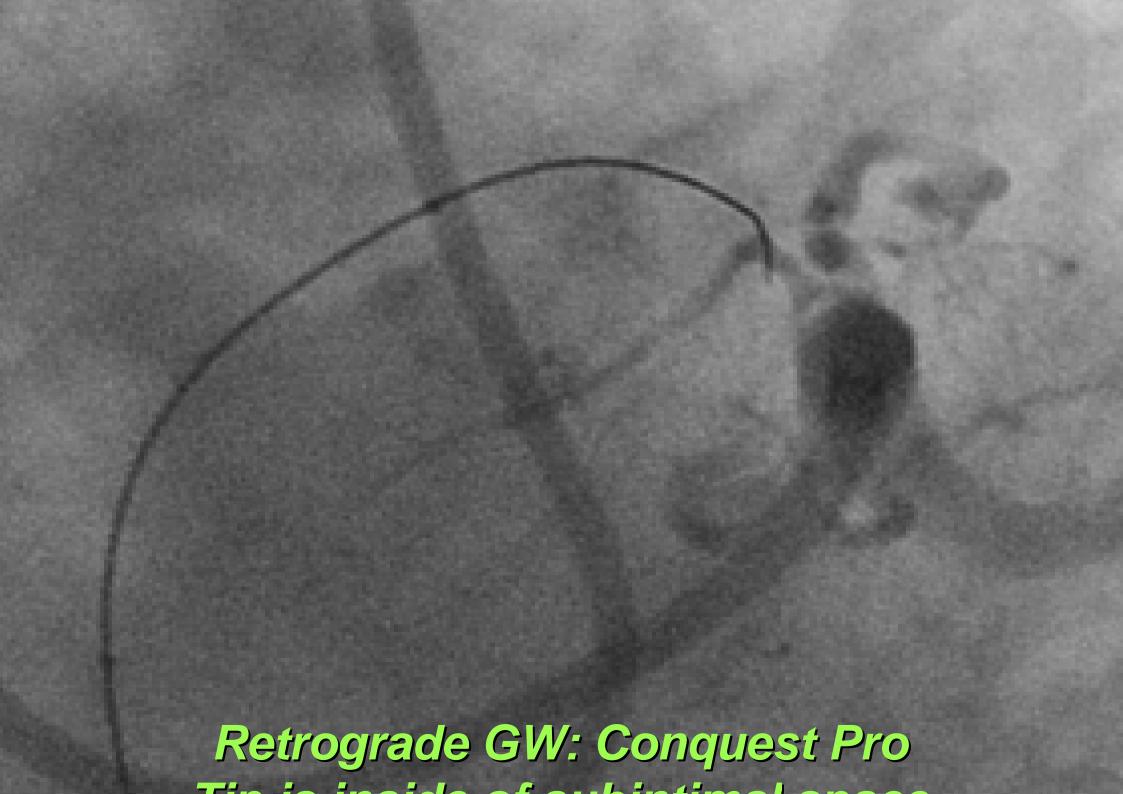


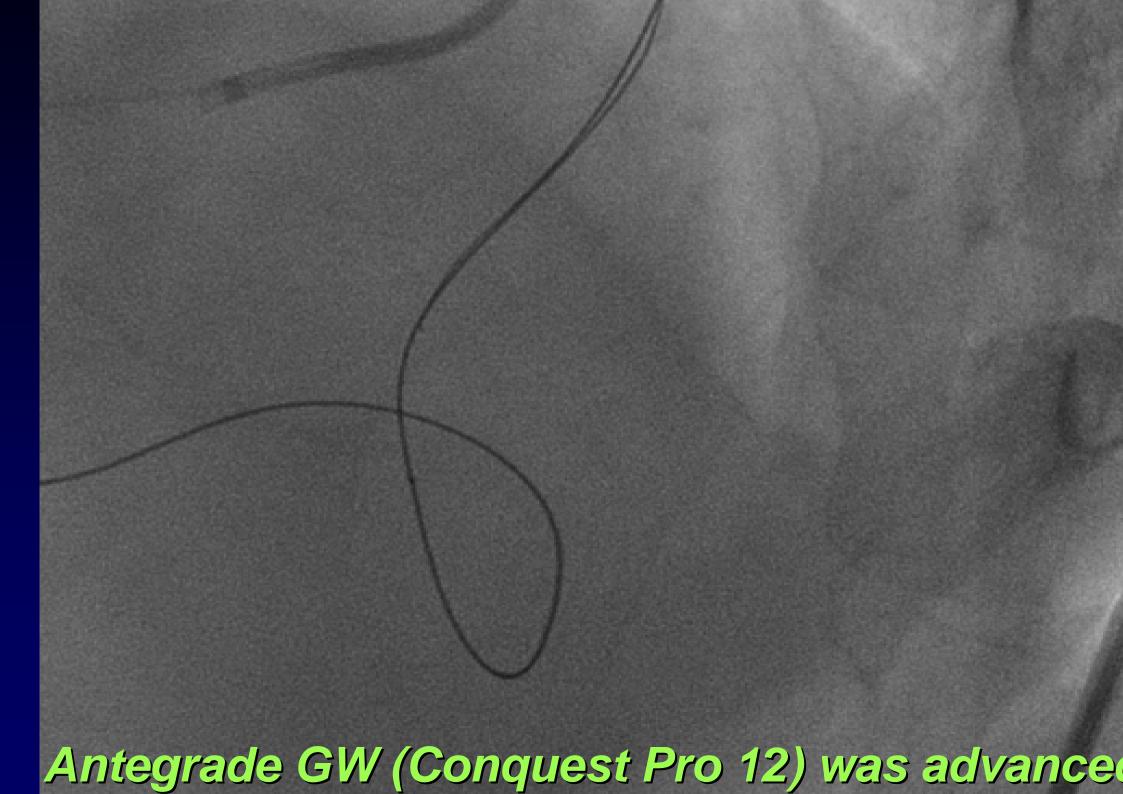
Retrograde Approach

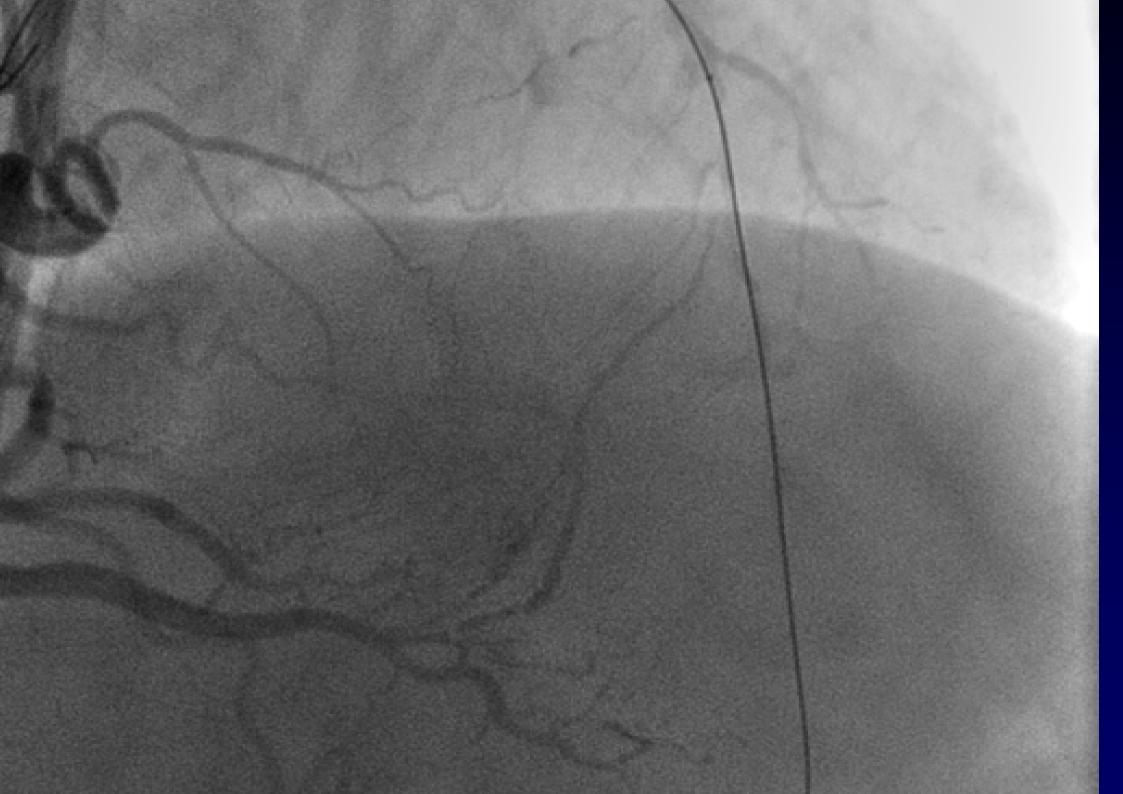


Dist

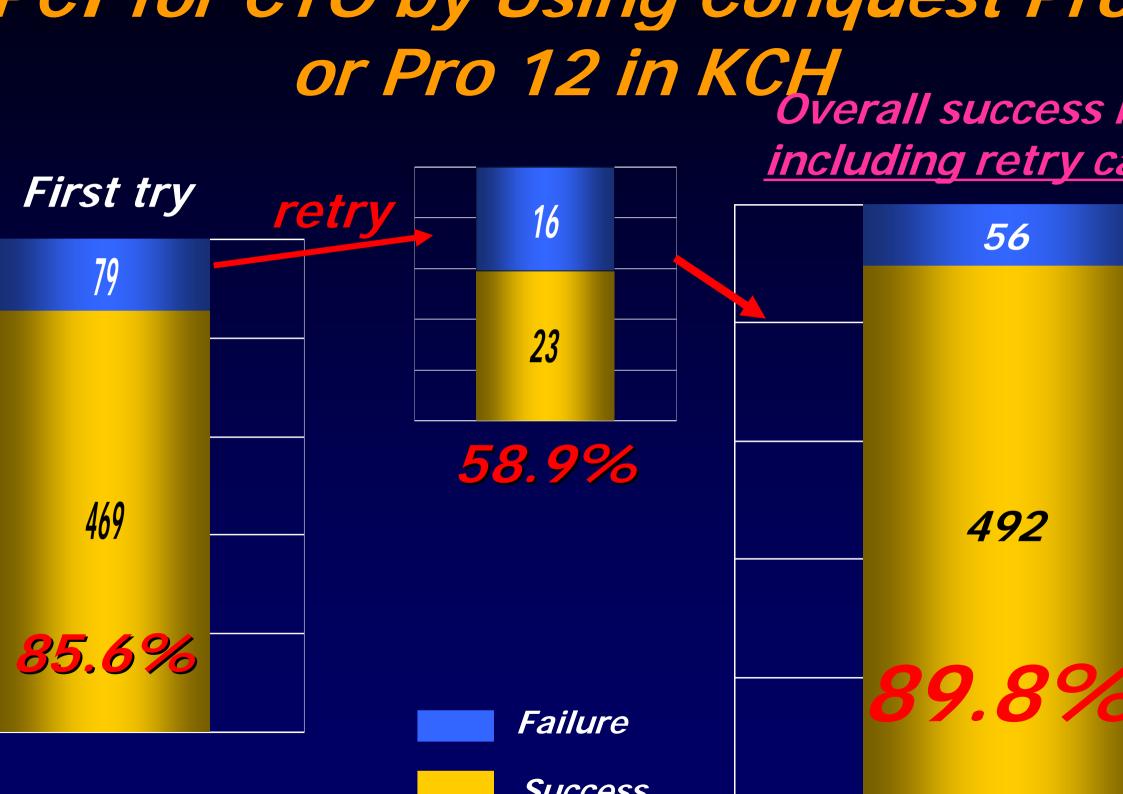


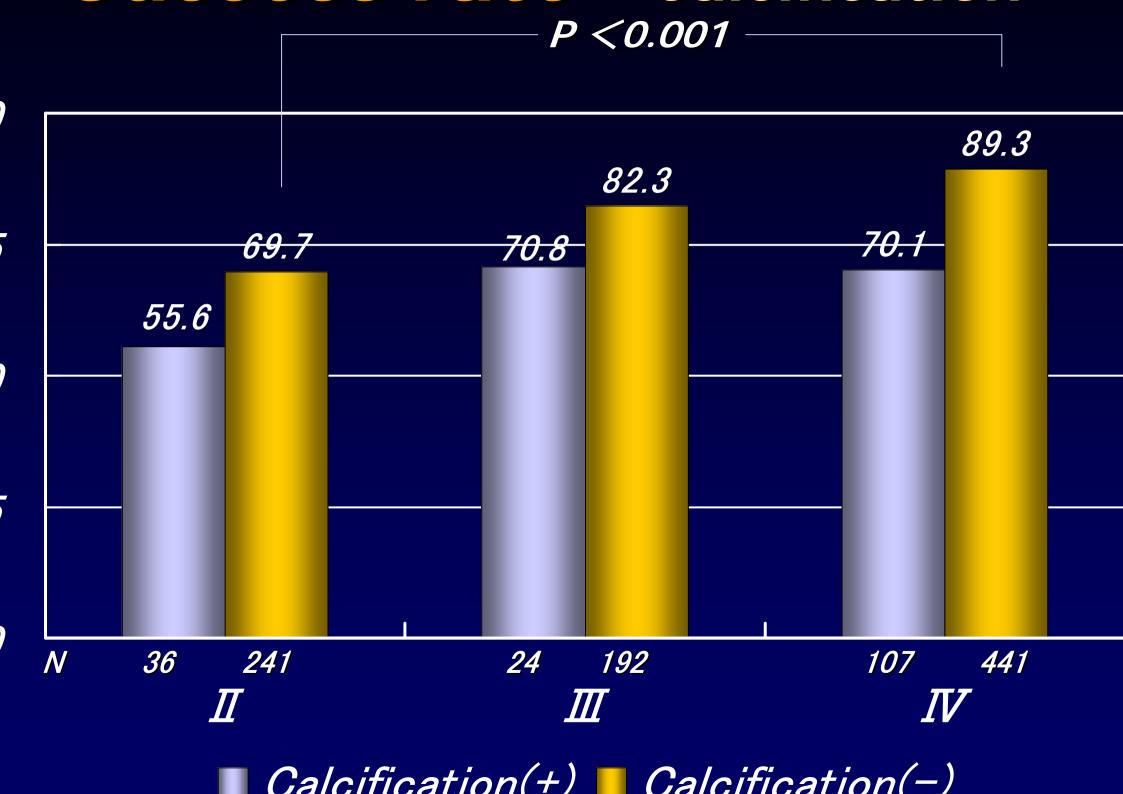






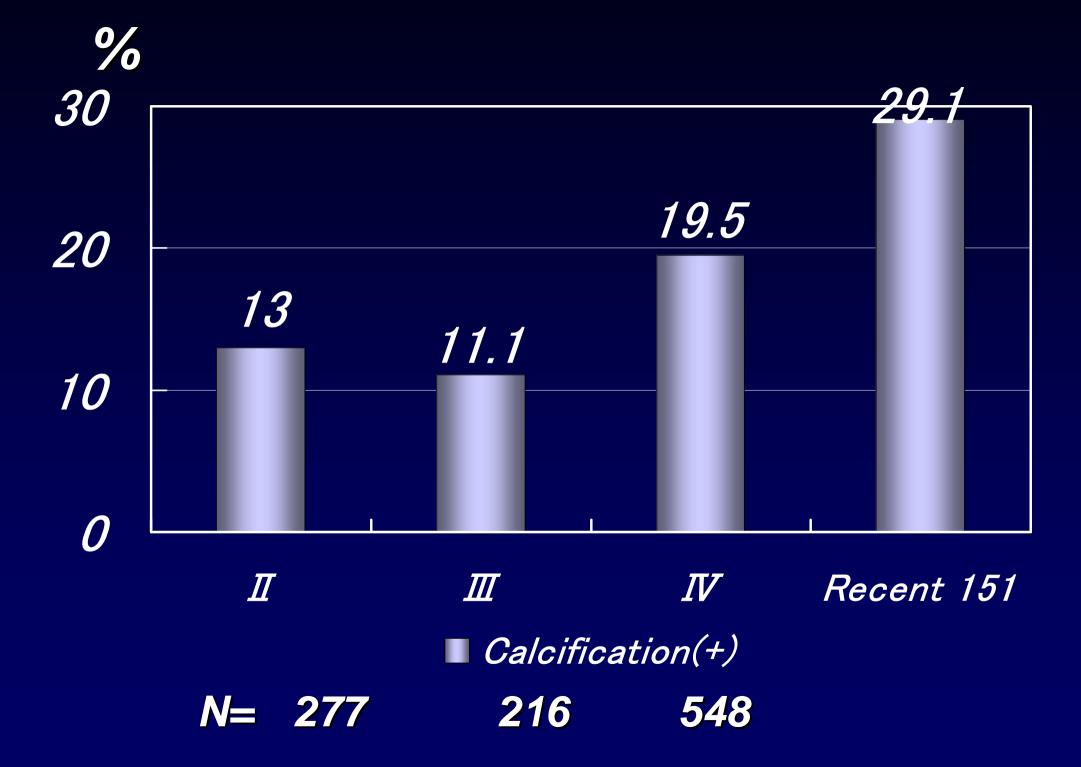


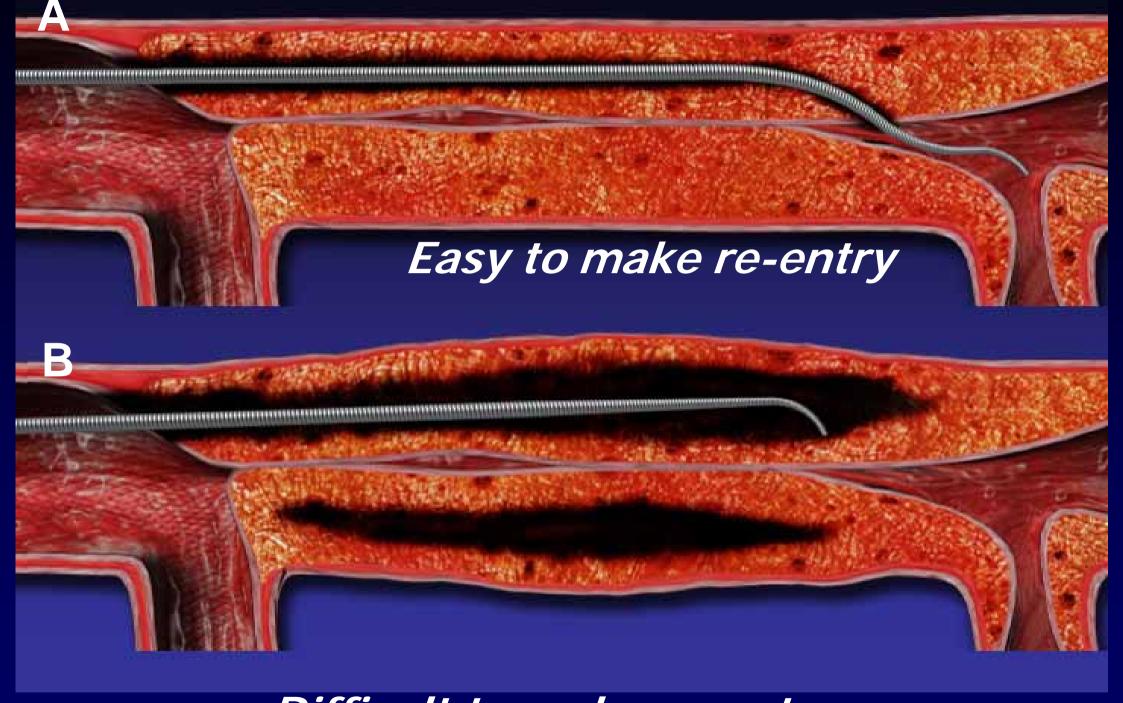




-Multivariate predictors of procedural failure

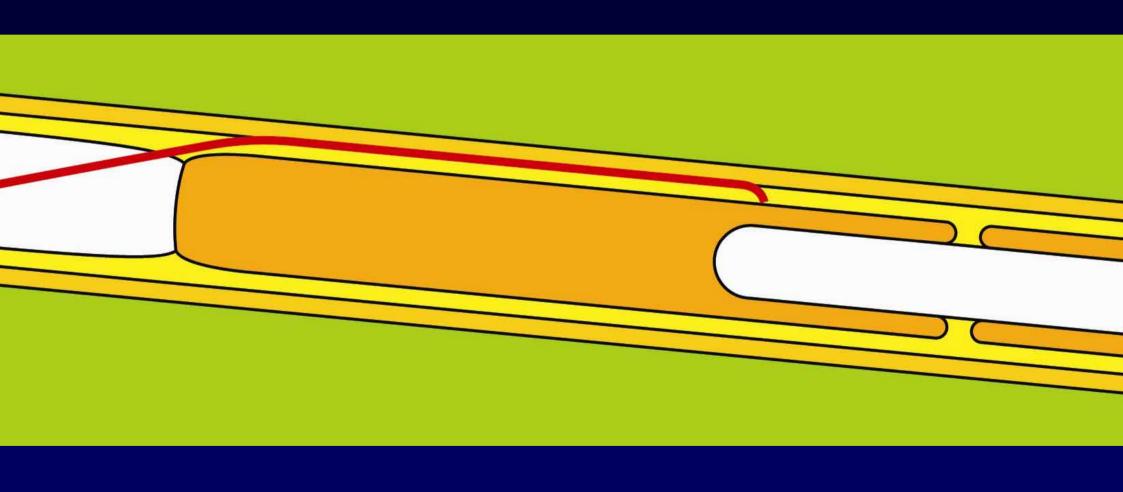
od IV (SR:89.0%) P value	odds ratio (95% CI)
fication	<0.001	5.30 (2.11-13.36)
uosity	0.011	4.02 (1.37-11.81)
age (>12Mo)	0.141	2.05 (0.79-5.32)
th of occlusion	0.170	1.74 (0.79-3.81)
pt type	0.309	1.69 (0.62-4.64)
nic hemodialysis	0.521	1.75 (0.32-9.70)
branch	0.758	1.16 (0.46-2.93)
· MI	0.847	1.12 (0.36-3.49)
ivaccal dicasca	0 502	002 (012 160)



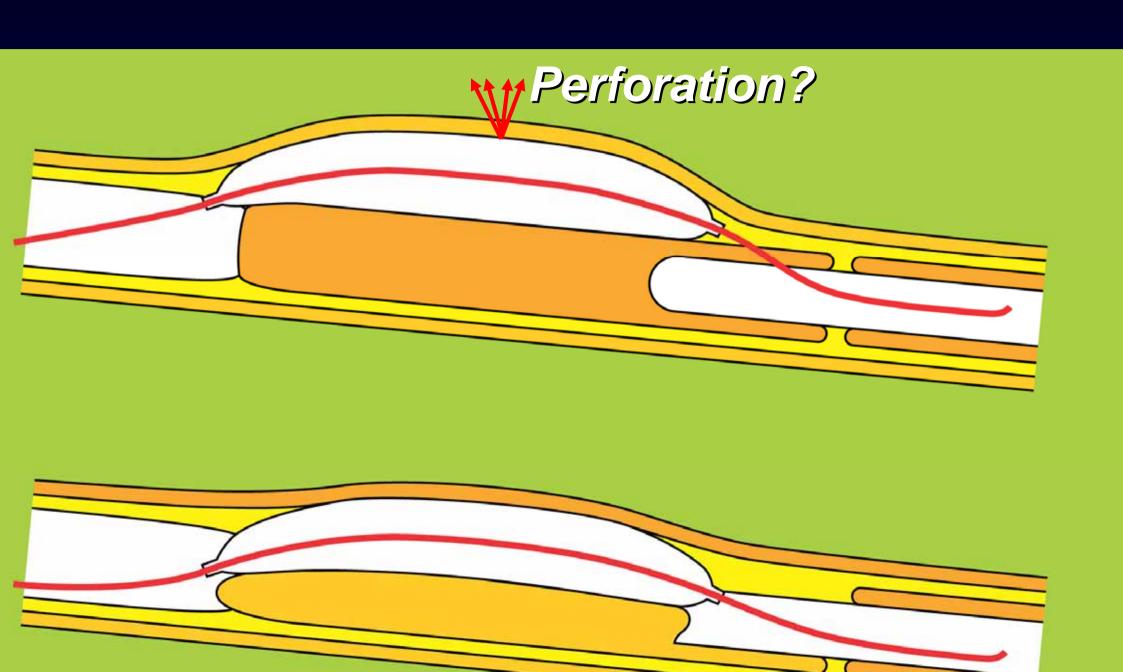


Difficult to make re-entry tively easy using steep tip guidewire in the softer

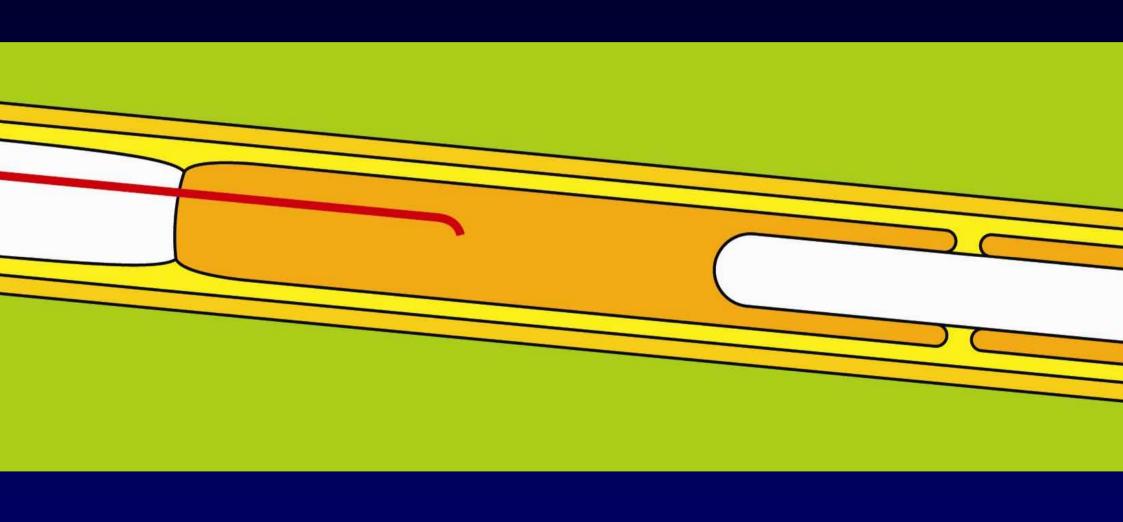
Calcified Lesion of CTO Difficulty of Re-Entry

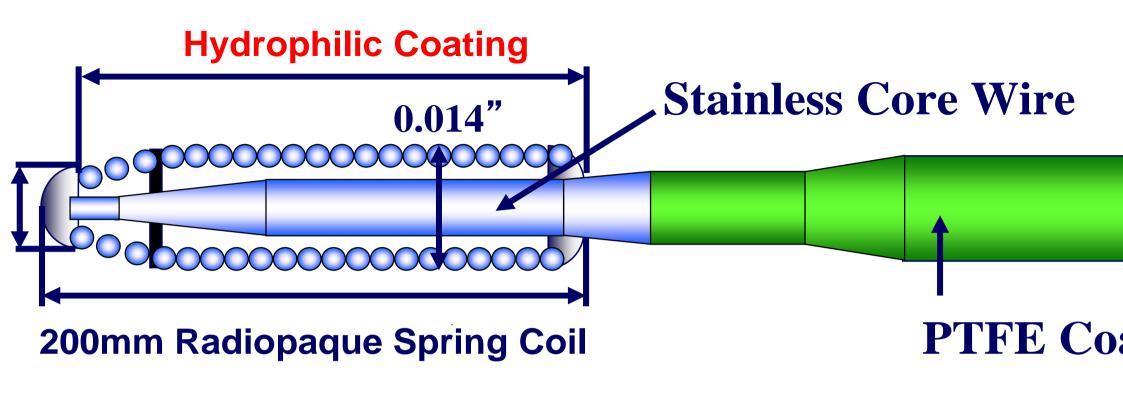


n the Subintimal Space Next to the Heav Calcification

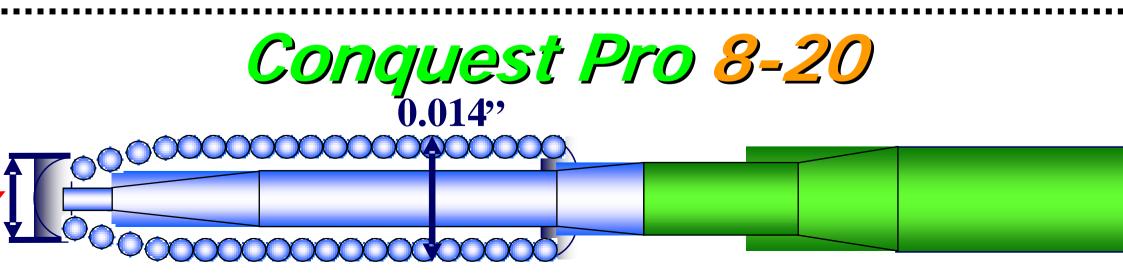


Lesion Should Be...

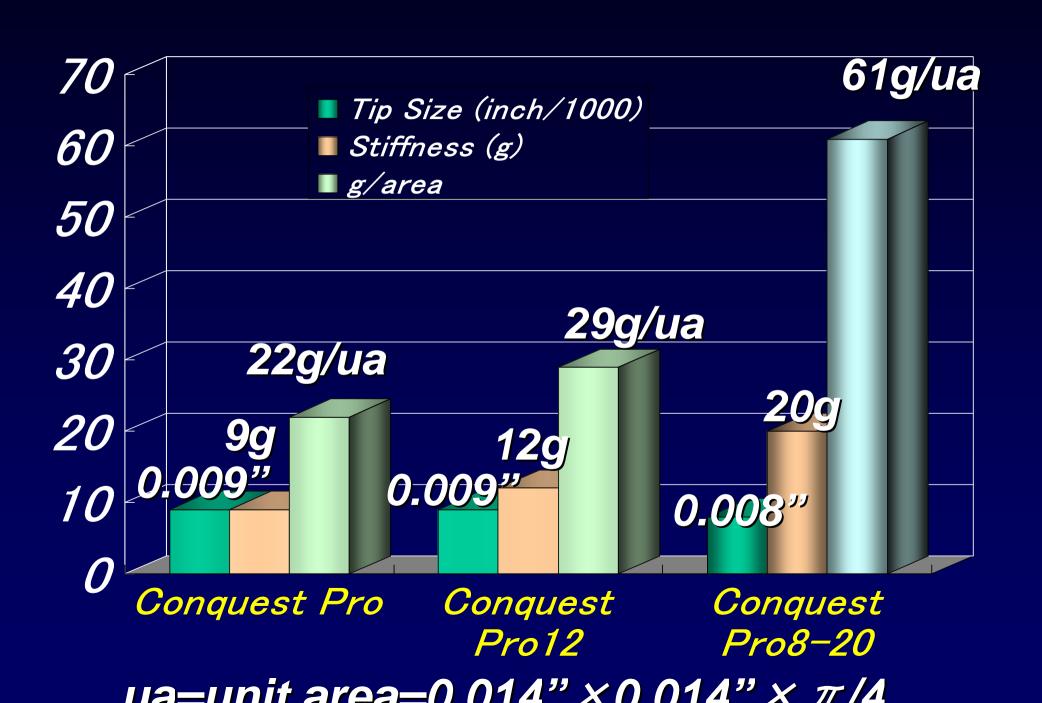




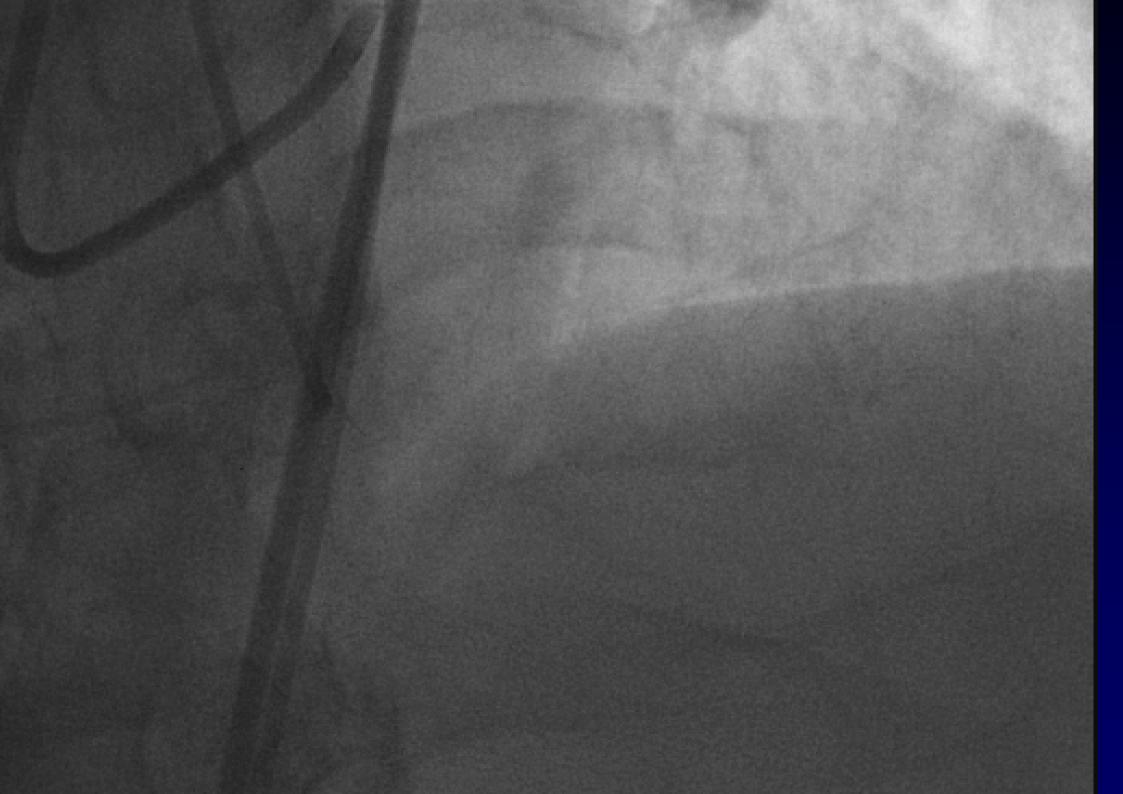
stiffness: 9g & 12g

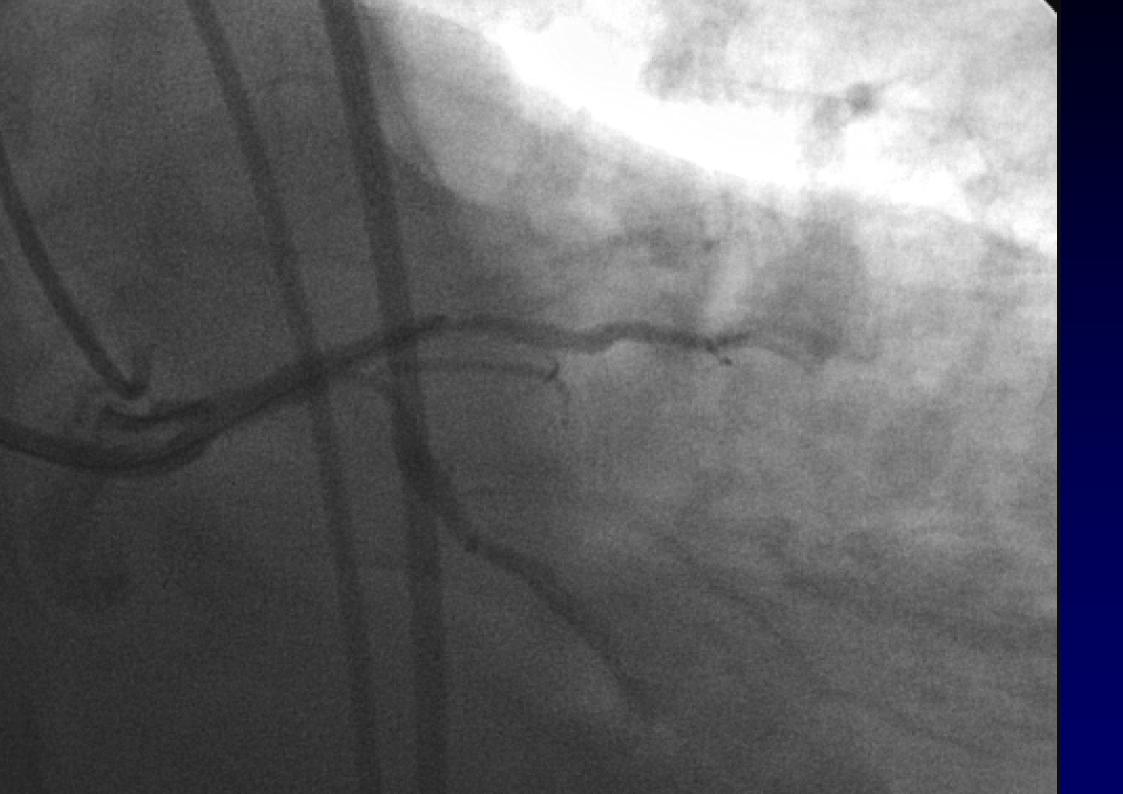


the New Wire (Conquest Pro 8-2

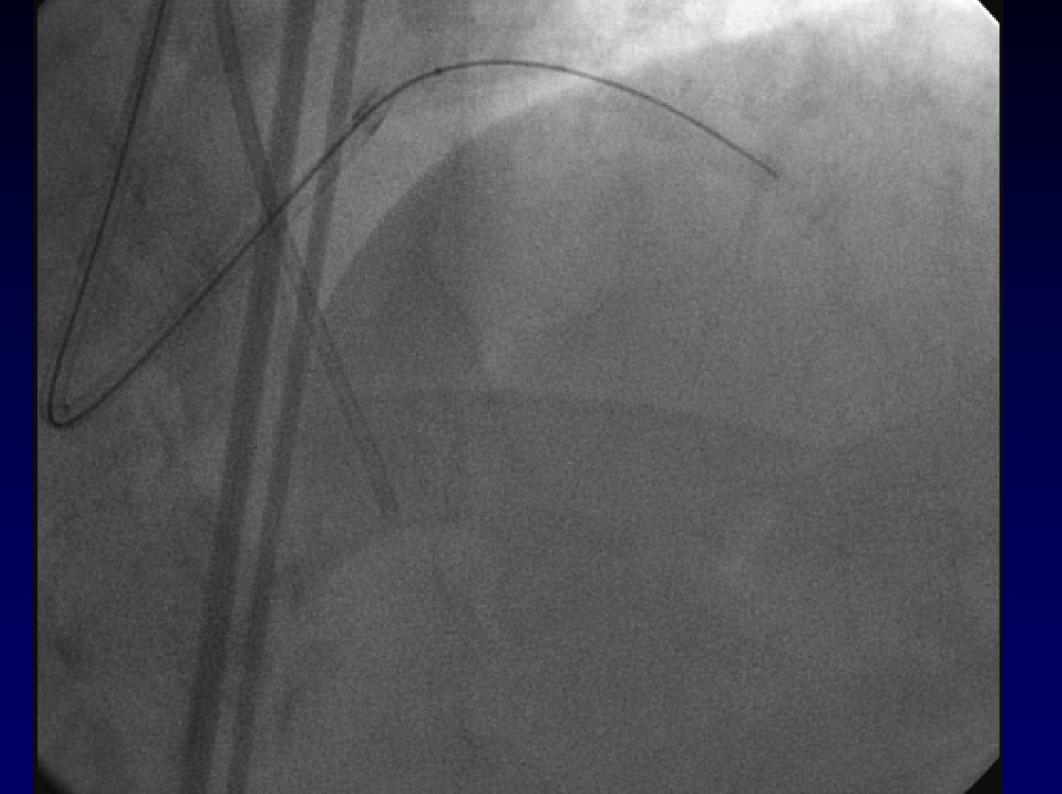






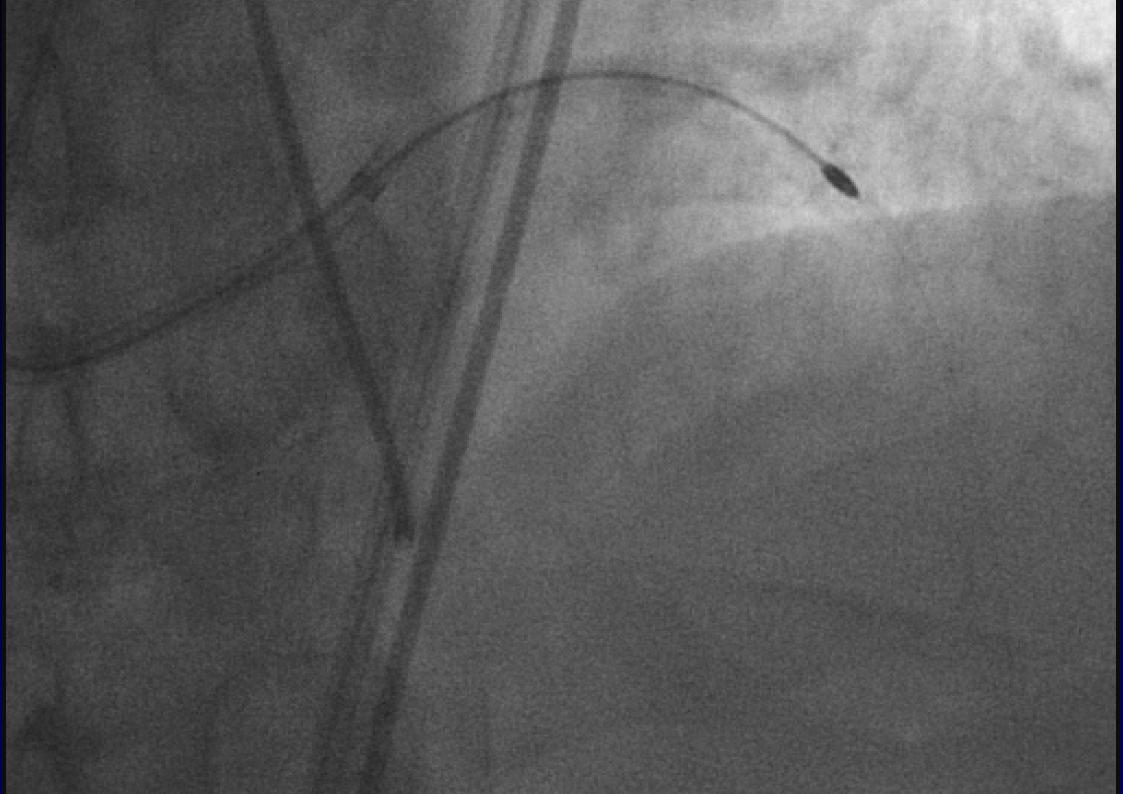




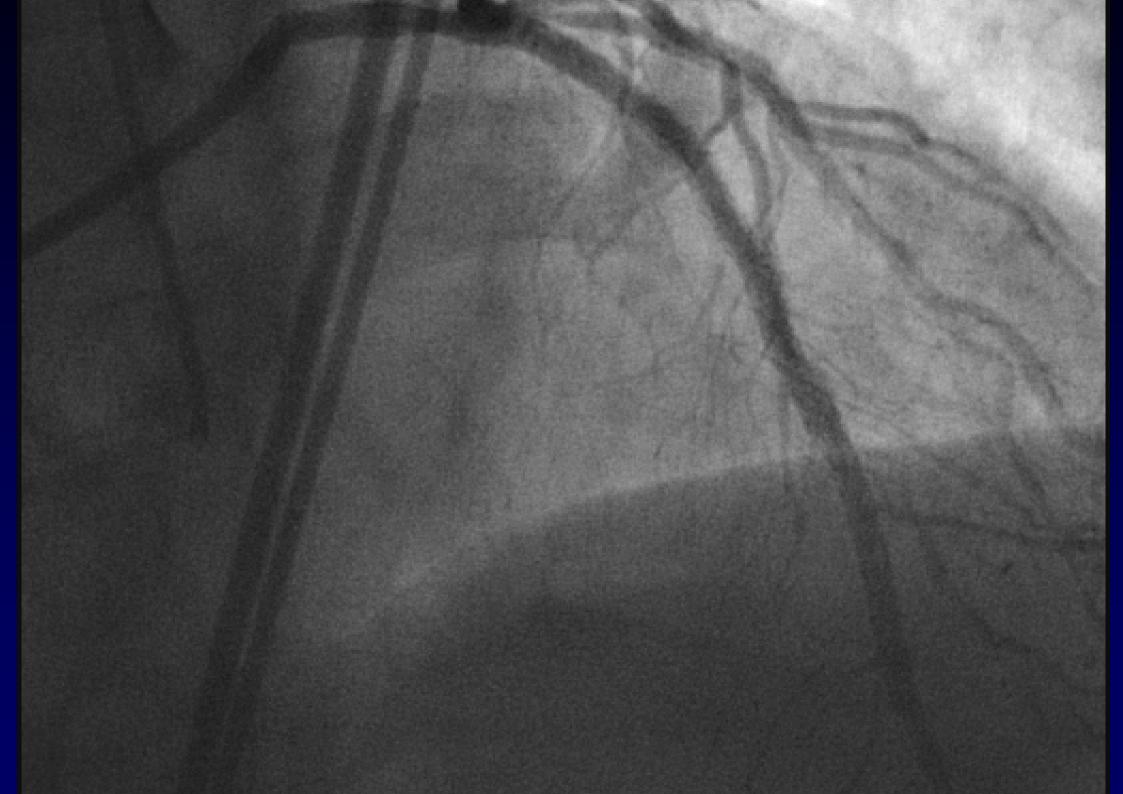












Lesion Gharacteristics

```
esion — no.(%)
                                               27
                                         20 (74.1)
 RCA
 LAD
                                           5 (18.5)
 LCX
                                           2 (7.4)
                                          17 (63.0)
alcification — no.(%)
ortuousity — no.(%)
                                           5 (18.5)
ong lesion (>20mm) – no.(%)
                                          17 ( 63.0)
                                           9 (33.3)
ridge collateral – no.(%)
```

Procedural success rate

37.0% (10/27 lesions)

- Wajor complication -

Death 0 case

AMI 0 case

CABG 0 case

- Coronary events with GW -

Penetration outside vessel 5 cases

Extravasation 2 cases

Cardiac tamponade 0 case

Conquest Pro 8-20

Summary

- Success rate (37%) may not low in the difficult situation
- We are exploring the indications and how-to-use of Conquest Pro 8-20
- entative Indications
- Hard lesion which can not be crossed by Conquest Pro 12
- And calcified lesion which pathway can be seen And/or relatively short straight lesion Success rate is improving

Retrograde approach

tial retrograde approach 33 lesion

each the distal point

of occlusion segment

rocedural success

60.6% (20/33 lesio

70.0% (14/20 lesio

Final Retrograde Guidewire

Final GW	
Whisper	7
Miracle	6
ConPro	5
ConPro8-20	2

Conquest Pro in the Retrograde Approach

In general, distal fibrous cap is softer than proximal fibrous cap.

In many cases (about 1/3) of retrograde approach, Conquest Pro Guidewire was necessary as a retrograde guidewire to penetrate distal fibrous cap.