



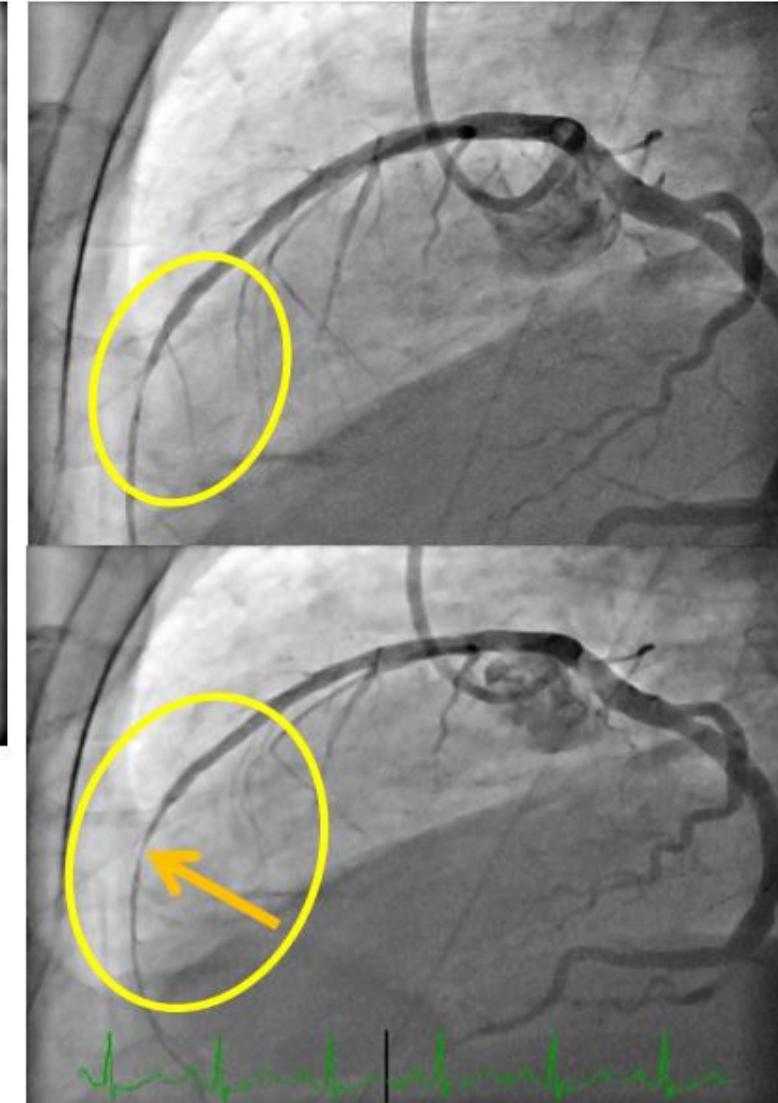
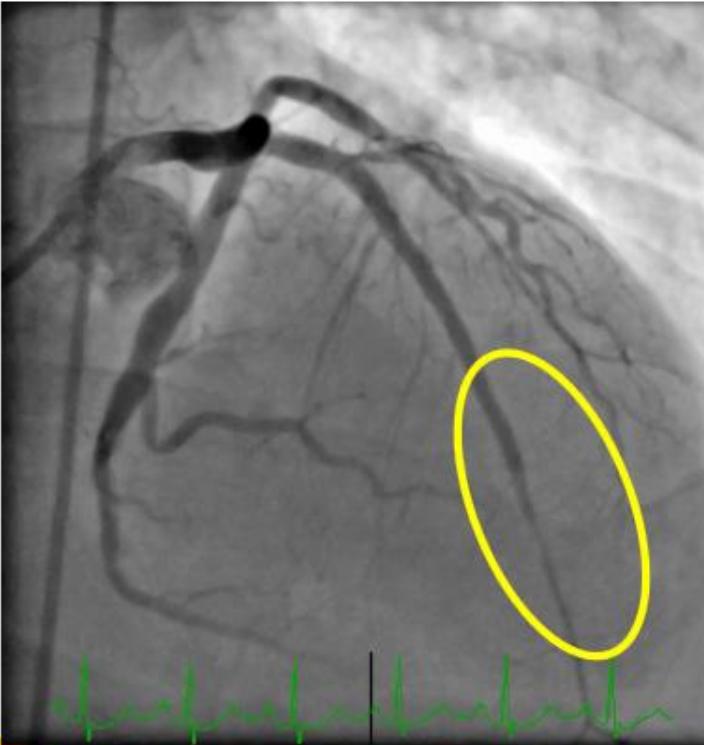
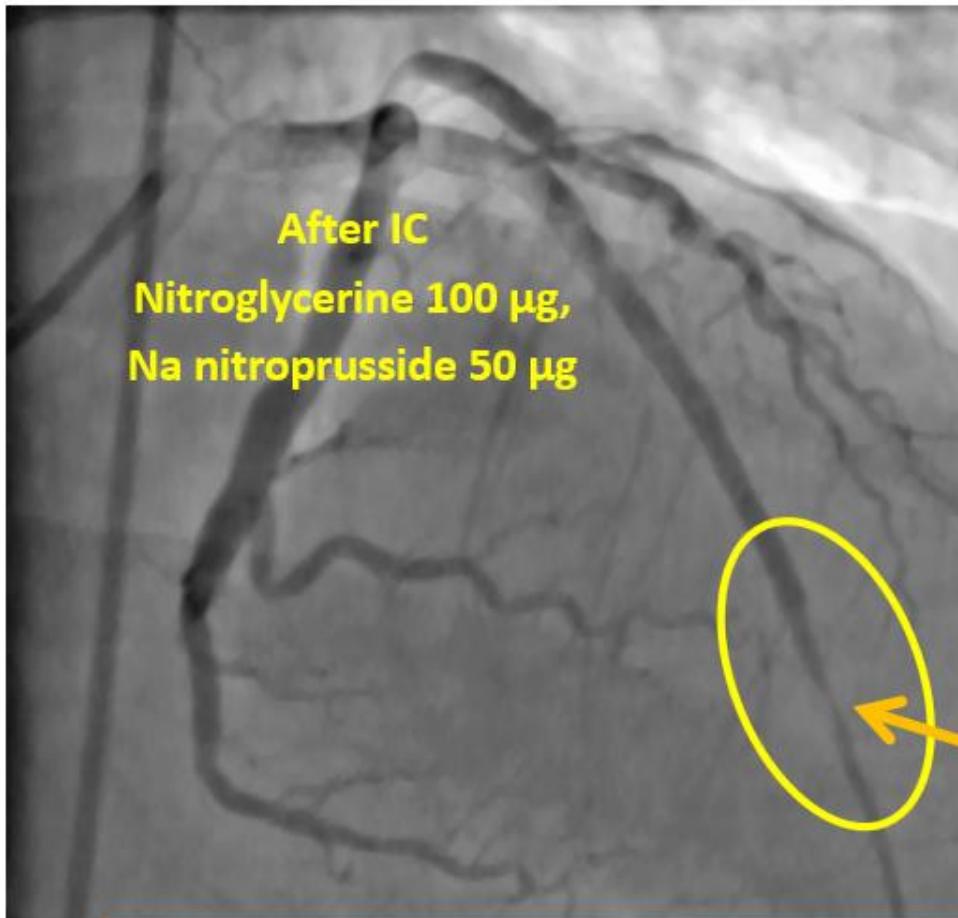
The Challenge Of Stent Dislodgment

My novel approach

Ahmed Kassem MD, 2MSc, FEBC, FSCAI
Consultant Adult Interventional Cardiology
National Heart Institute , Cairo, Egypt
King Abdullaziz University Hospital, KSA



After IC vasodilator, the distal lesion still looks significant

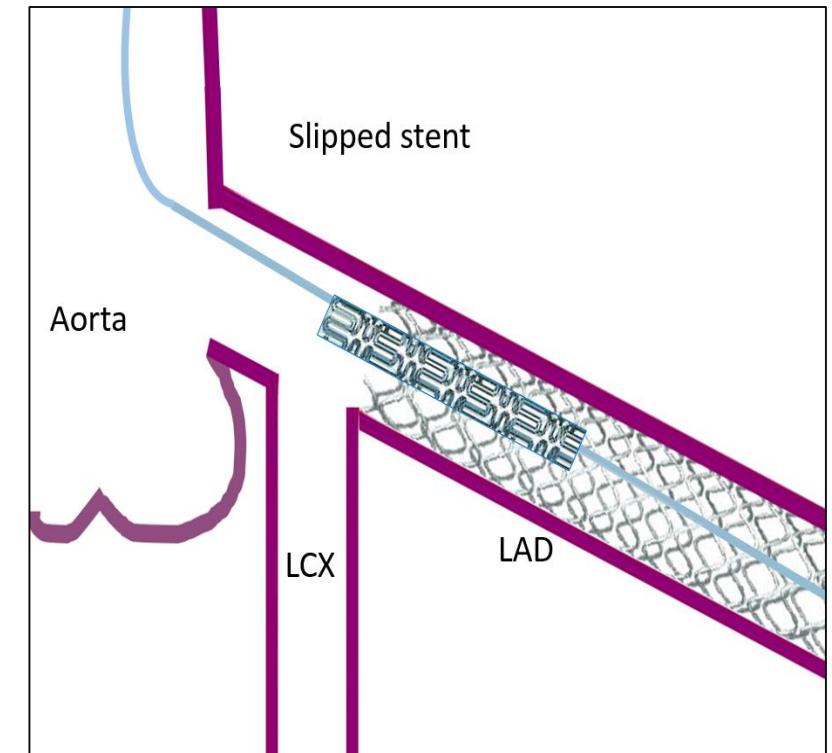
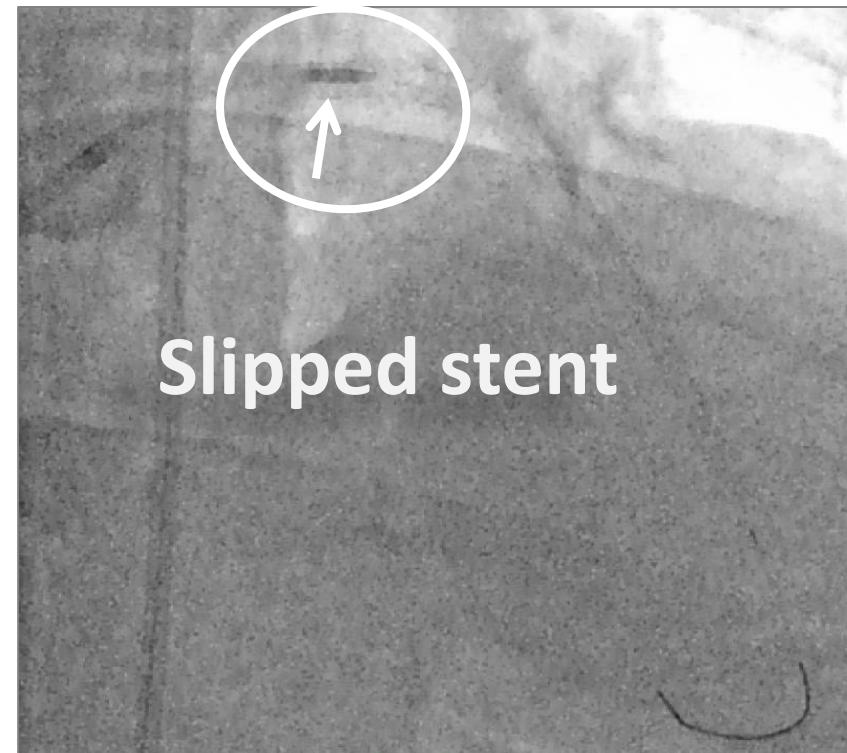


Suddenly, with advancement of the stent
The stent Slipped at Ostial LAD !!



**The nurse was connecting and preparing the Indeflator,
While, I was advancing the stent**

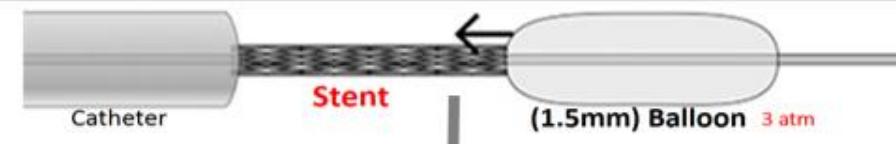
Remember



What is your best strategy?

Total Stent Loss (Guidewire In-situ)

Try to pass a small balloon (single marker, $\leq 1.5\text{mm}$) 1 to recross the lost stent, inflate the balloon at 3 ATM

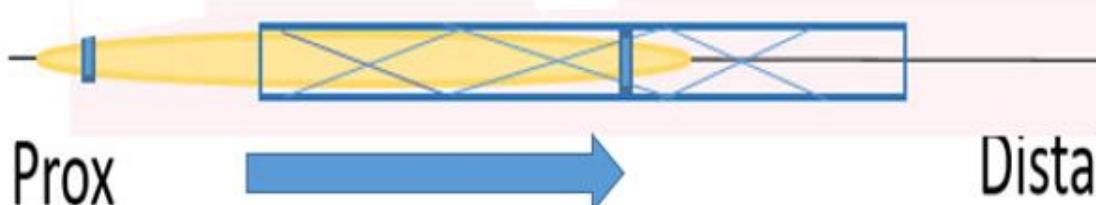


If retrieval successful

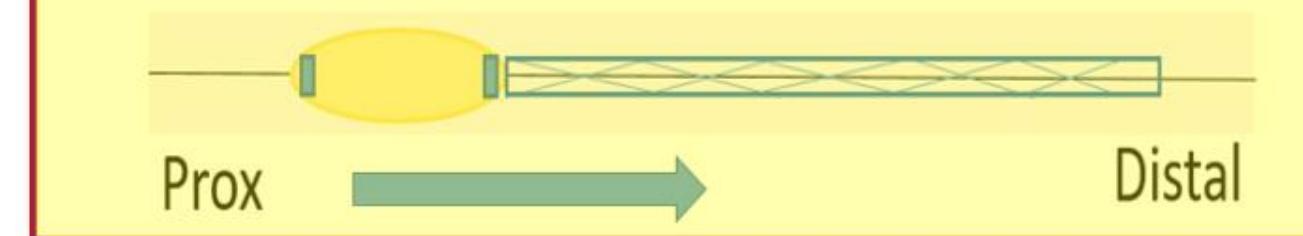
If failed

Check the stent and balloon integrity after retrieval

If stent-vessel sizing acceptable: deploy the stent in situ with incremental balloon size



In case of stent vessel mismatch: 2 try to advance the lost stent with a slight inflated balloon to appropriate site (use the balloon as pushing device)



This what I Did

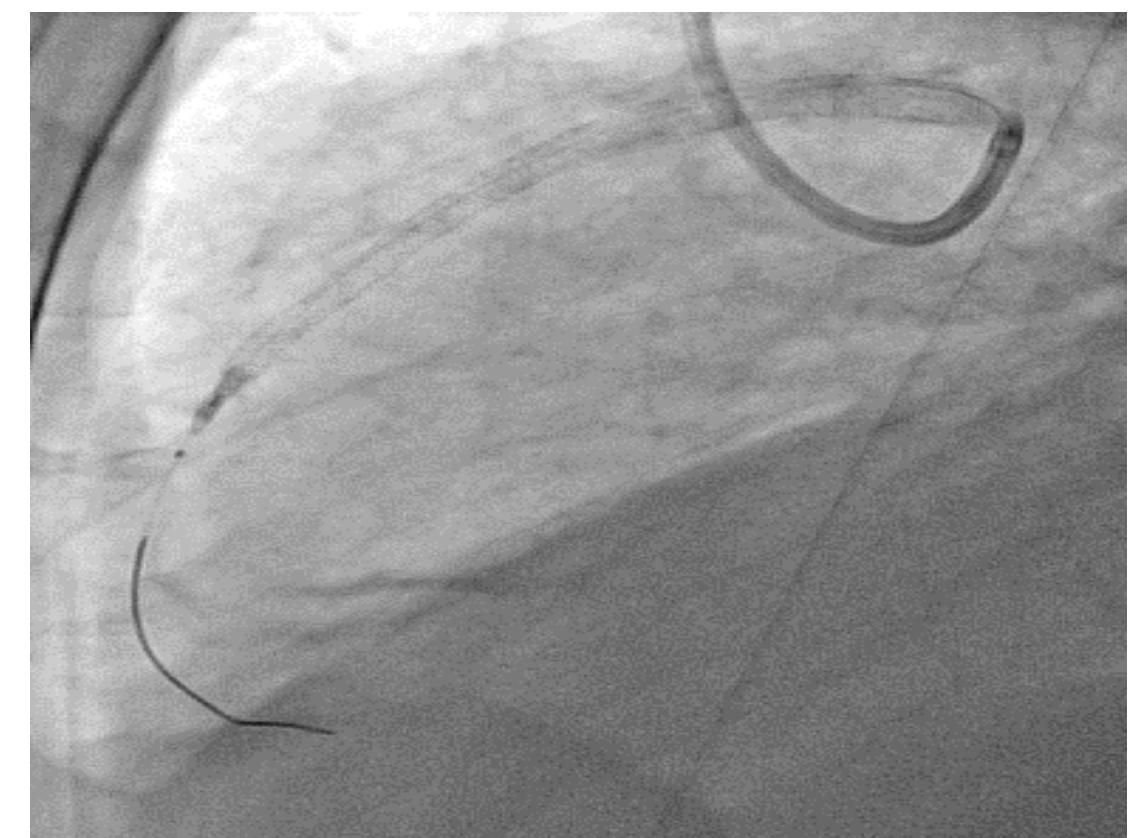
Balloon Push Technique

Small balloon 1.5 x 12 mm

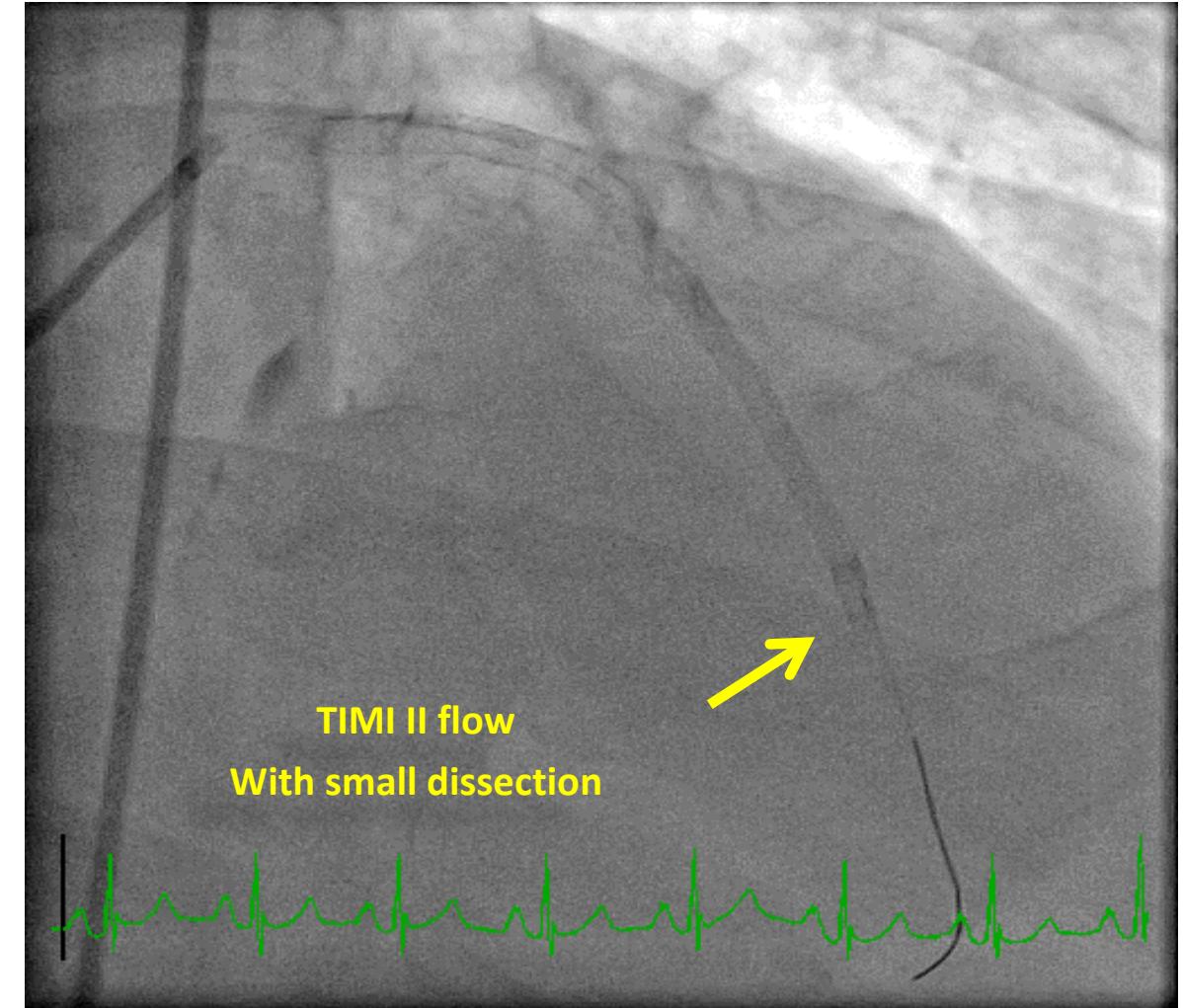
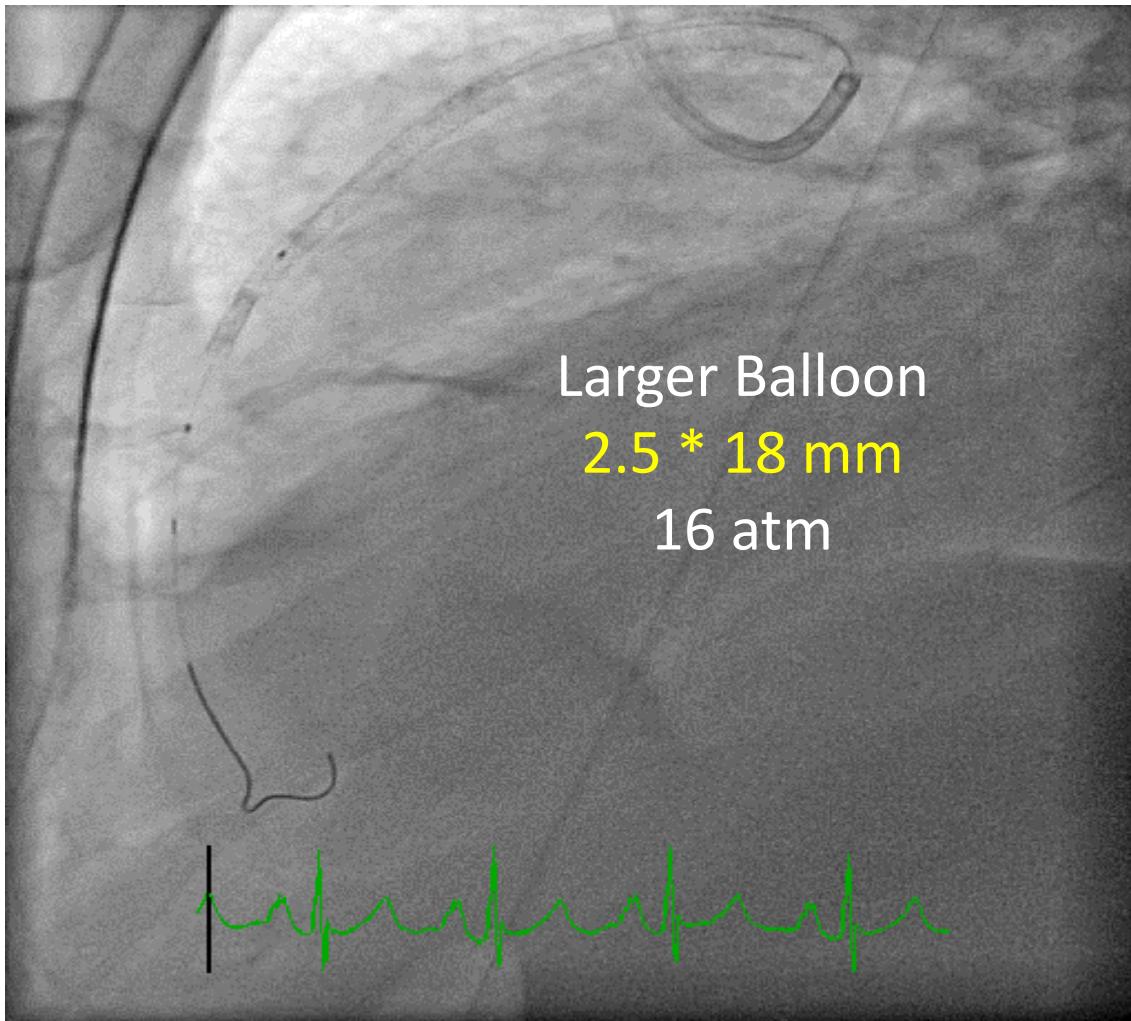
Inflated at 3 Atm Then pushed distally



Then inflated distally to 10 Atm

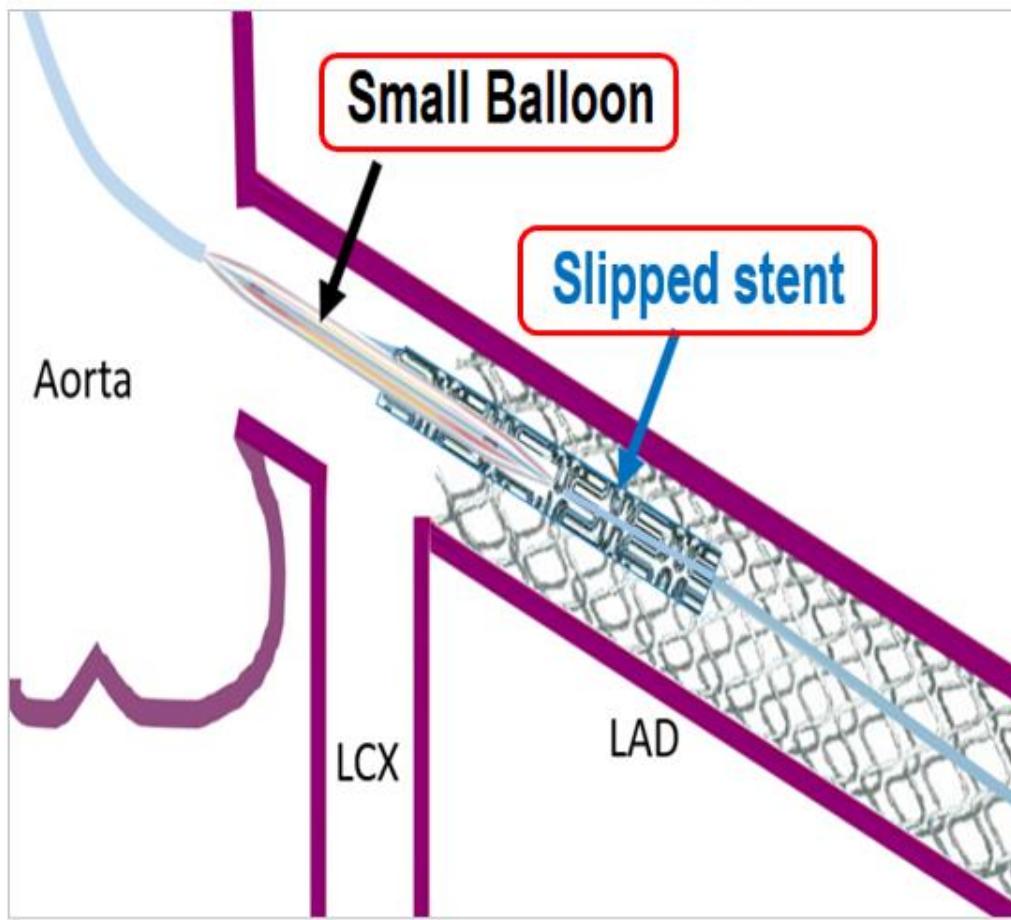


Then larger balloon (2.5) inflated at HP

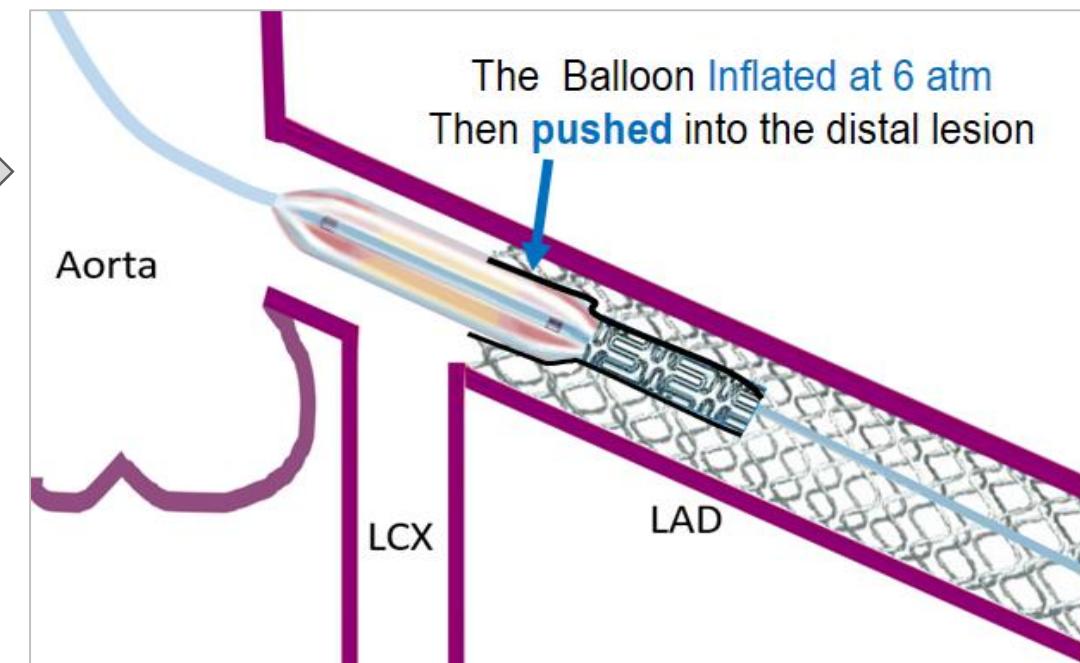


Rationale of Balloon Push Technique

Distal half of Small Balloon
Inside proximal half of slipped stent

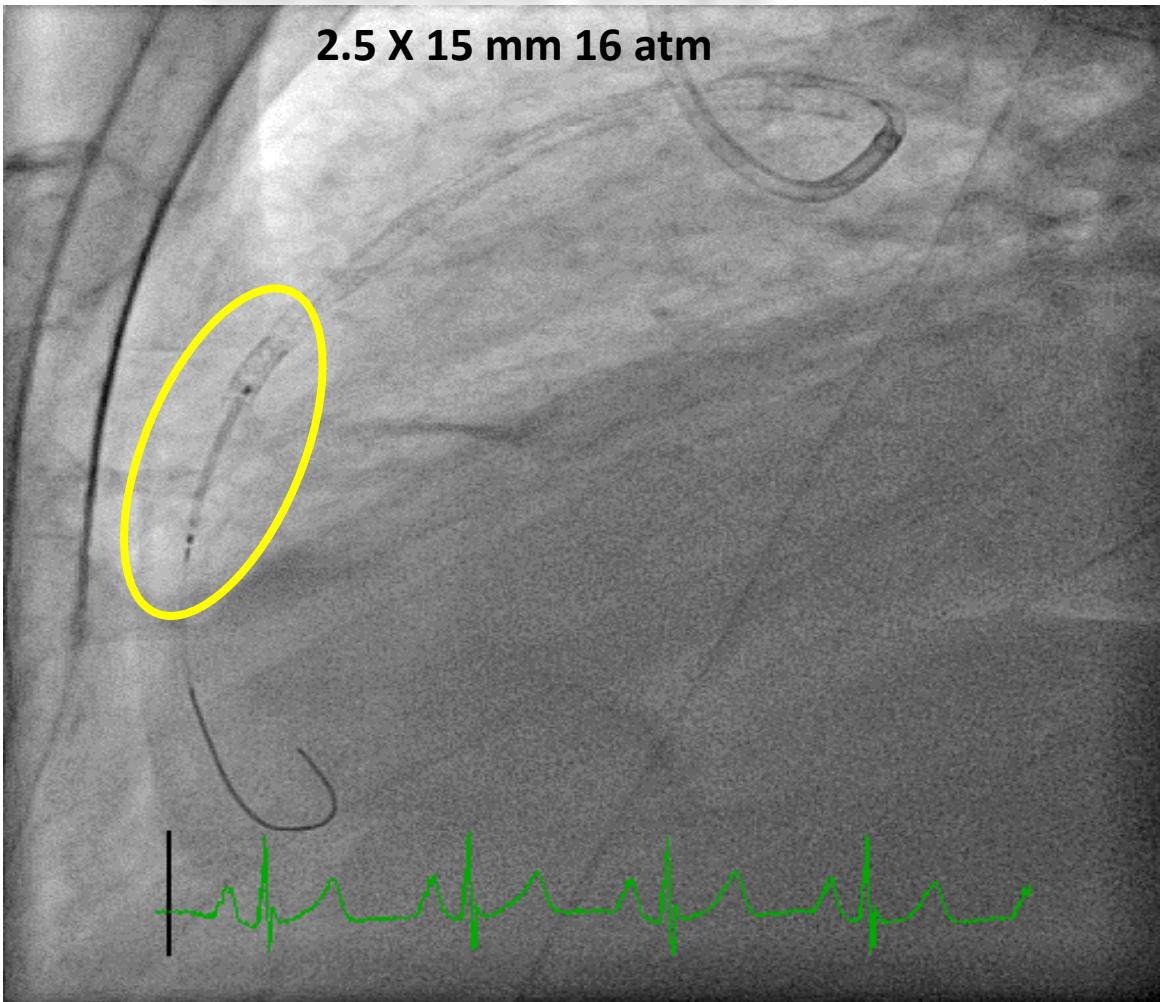


Then, small Balloon 1.5 × 12 mm
Inflated at 3-6 Atm and pushed into the distal lesion

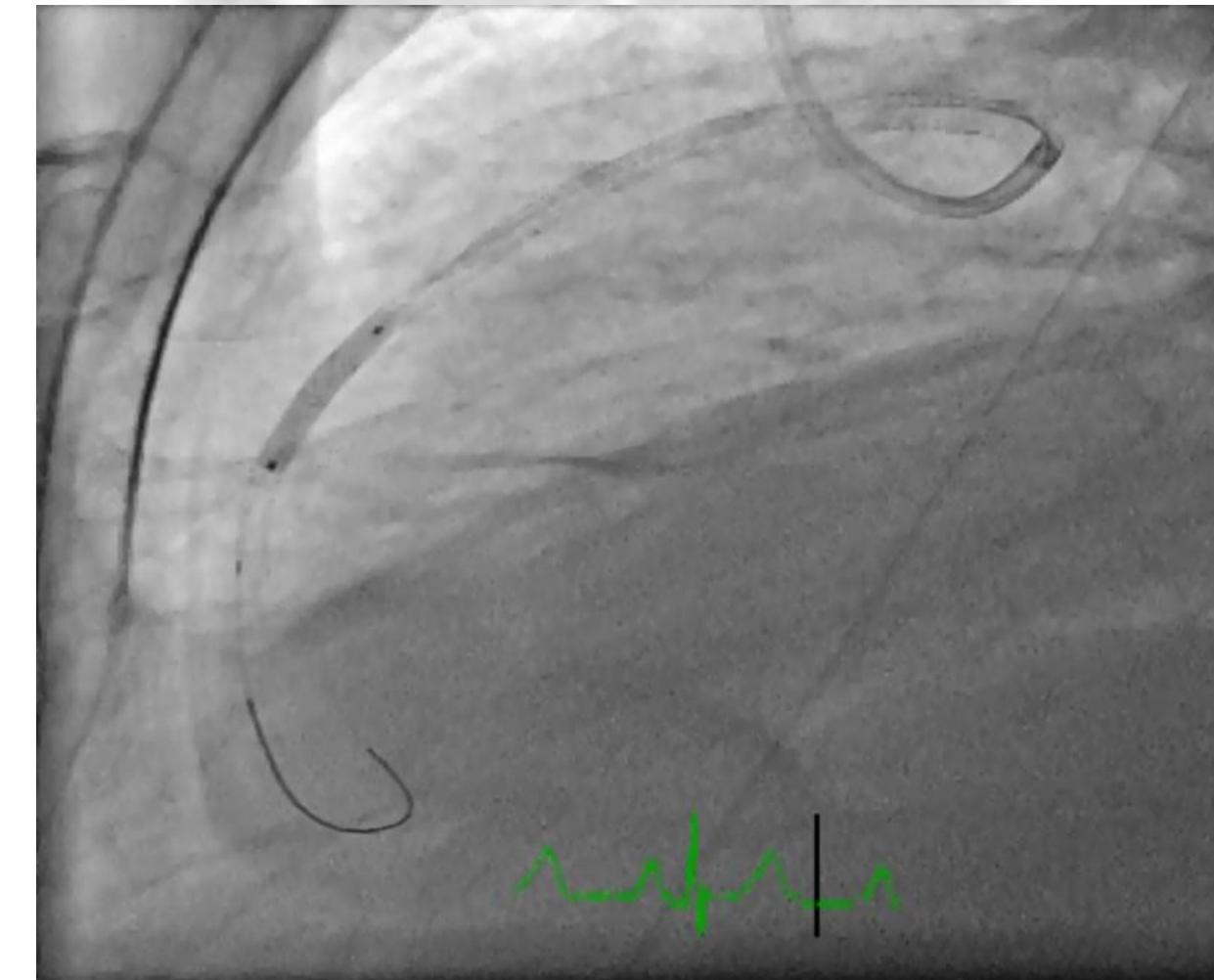


Resolute onyx

2.5 x 15 mm 16 atm



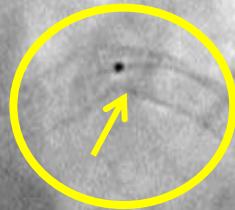
NC balloon dilatation



No-reflow Respond to IC Drugs

(Through Export aspiration Cath)

Export Cath

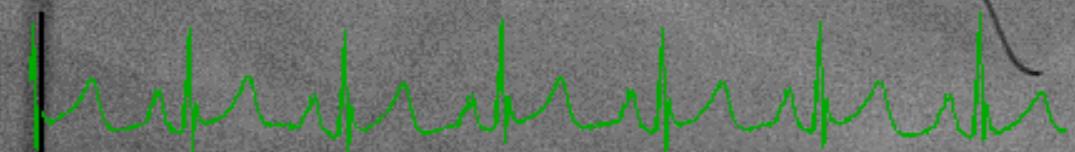


IC Drugs (through aspiration Cath):

- 100 µg nitroglycerine
- 18 µg adenosine
- 50 µg Na nitroprusside

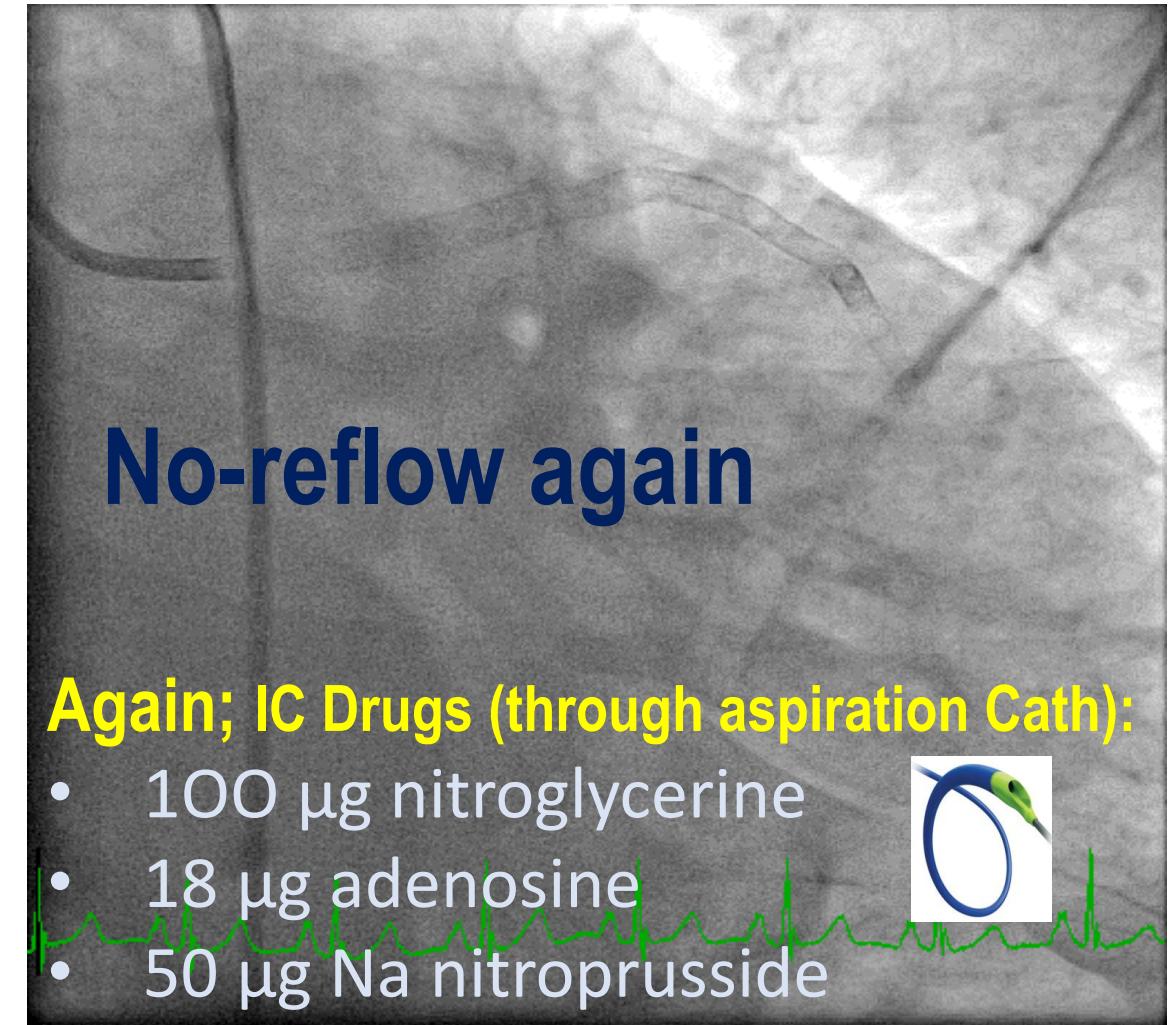
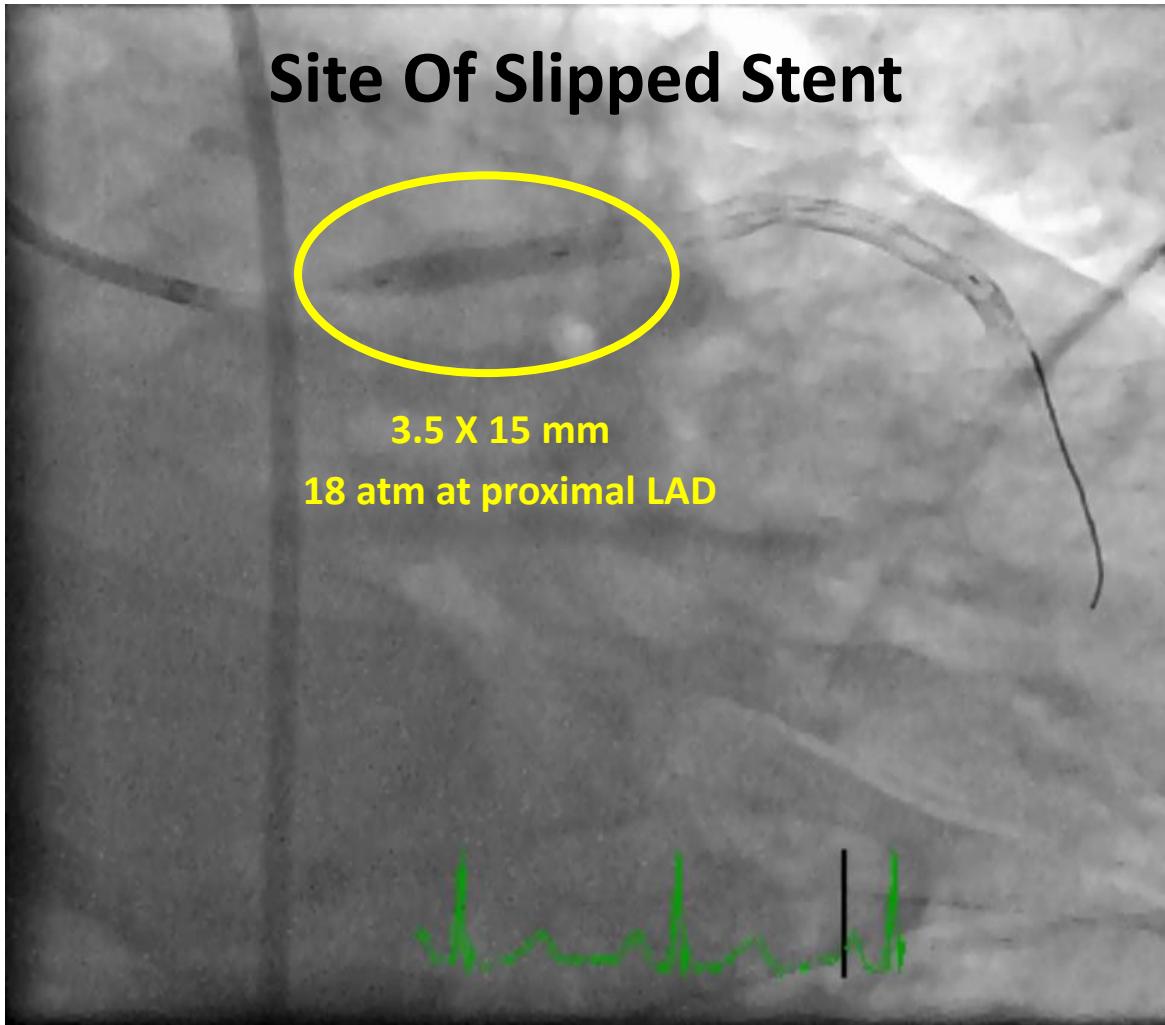
Improved
to

TIMI II flow

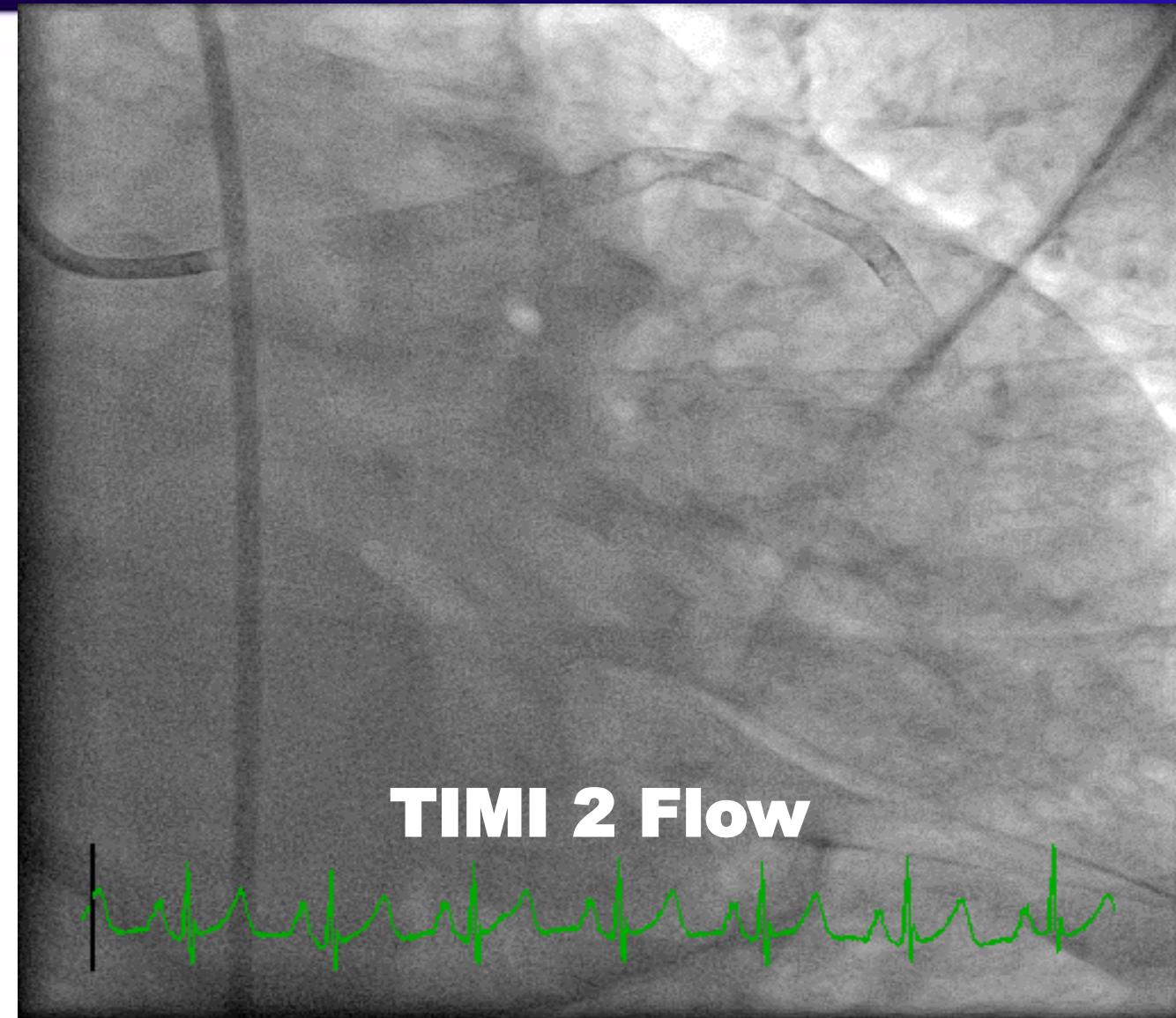
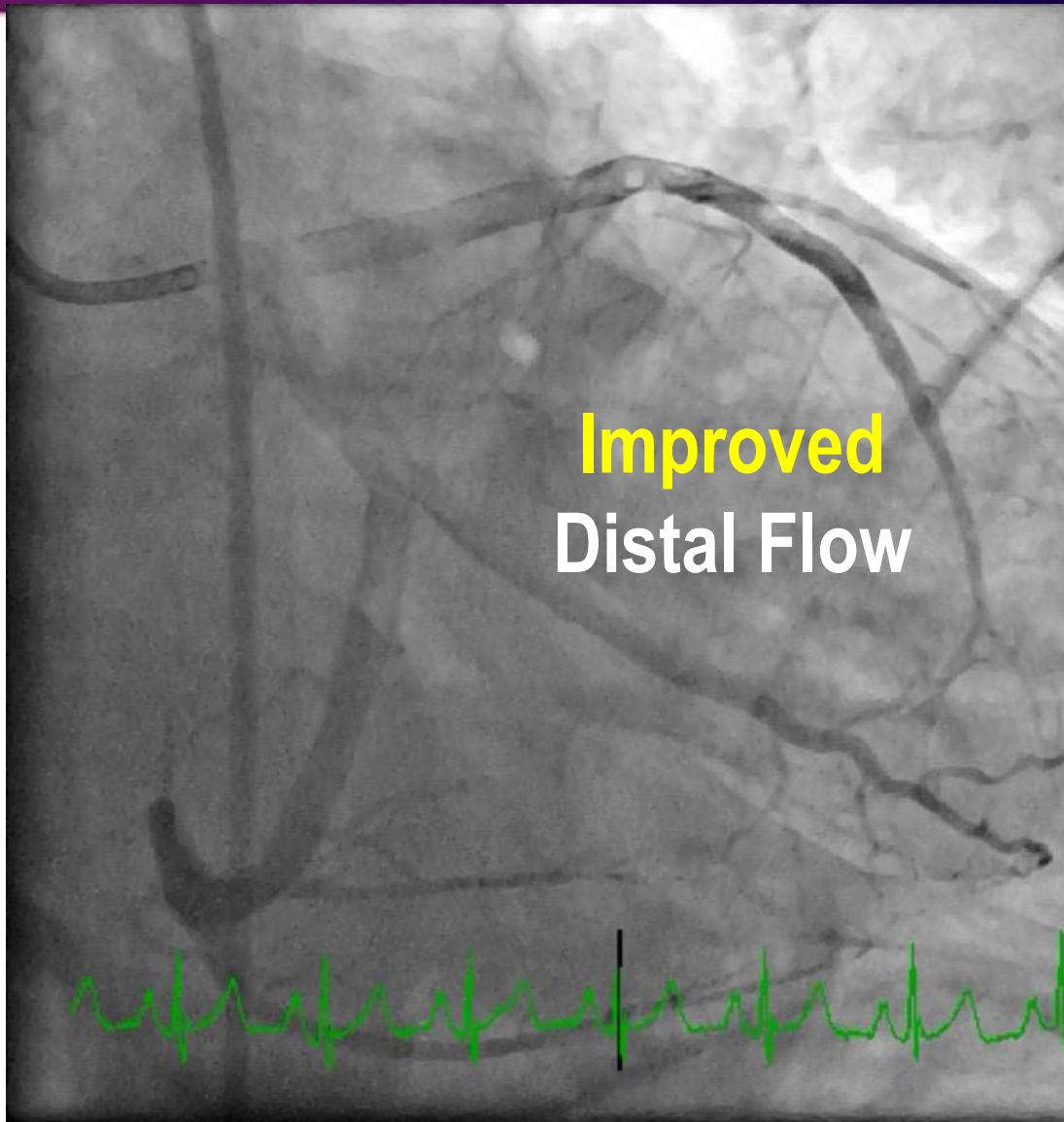


NC Balloon Dilatation To Proximal LAD Stent

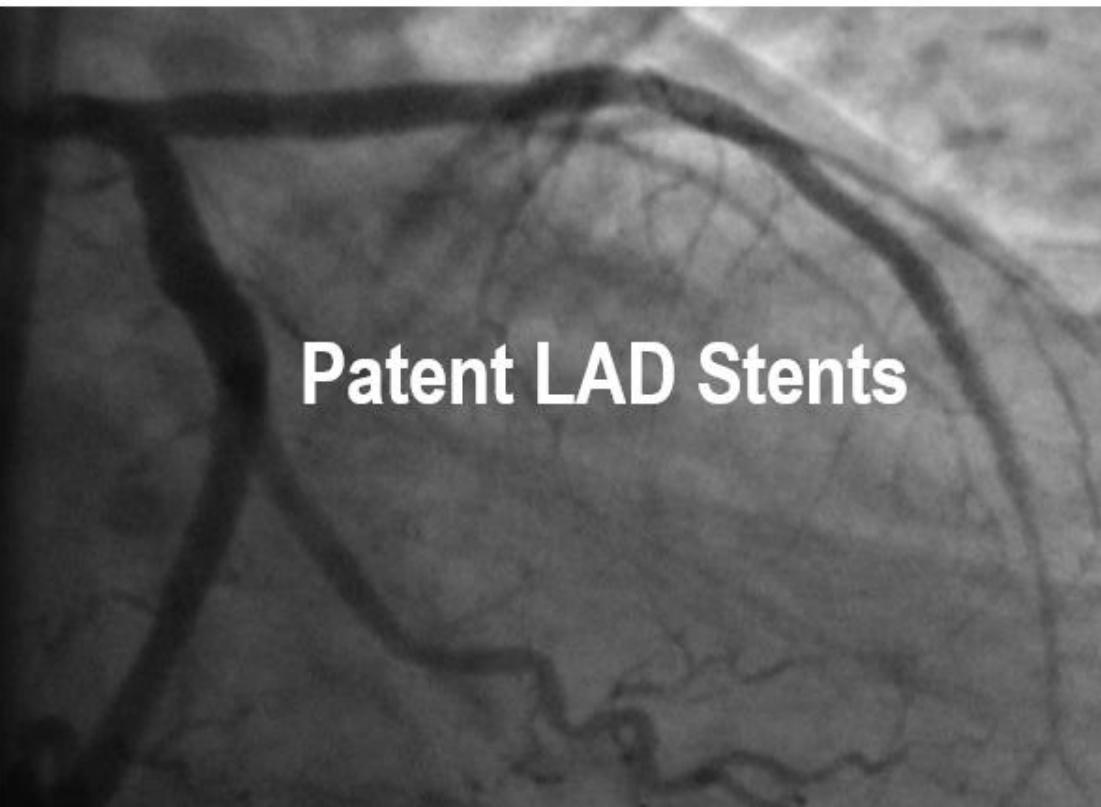
To fix any possible stent deformation at the site of stent loss



Final Results



Coronary Angiography



Patent LAD Stents

**Probably Thrombolytic
Therapy Was Given Wrongly**

(based on the residual S-T segment elevation from his
previous STEMI in the last admission !!).

Take ~~THANK~~ Home Message

For Your Attention

