APPAC

6/7/8 Juin 2018

Palais des Congrès de Biarritz

« A s'asseoir sur un banc 40 mn avec toi »

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Biarritz le 7 Juin 2018

Bifurcation coronaire et Banc

Intérêts du Banc :

- Validation matériel
- Validation stratégies
- Intérêt pédagogique
- Publications +++

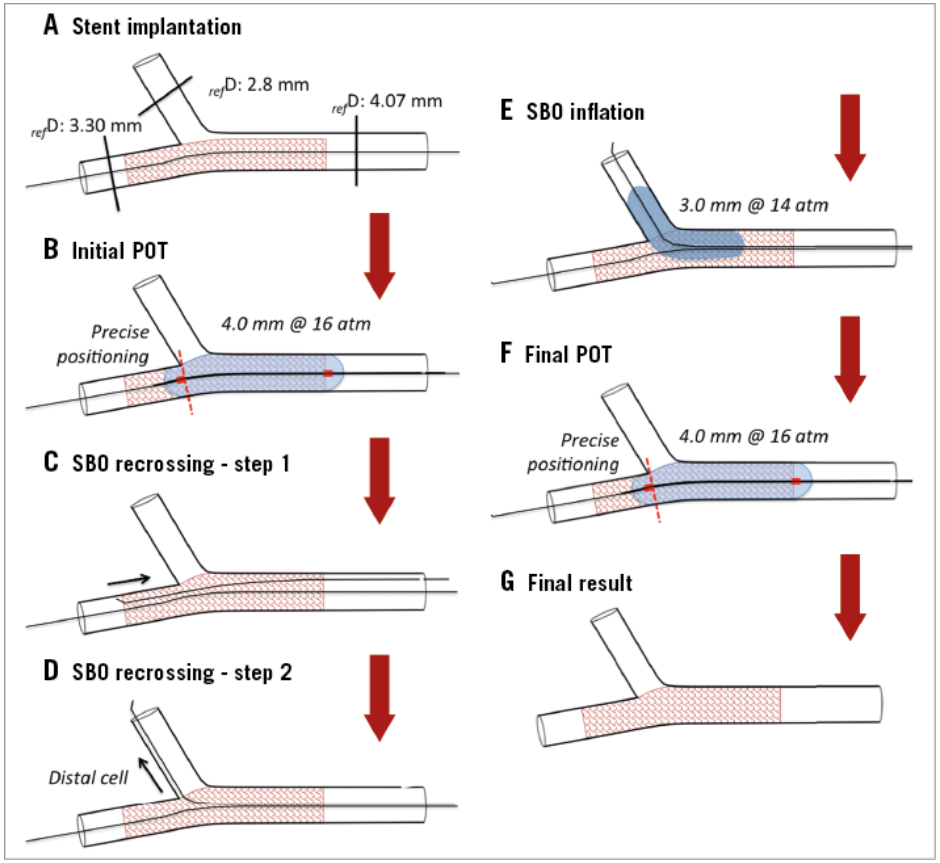
Bifurcation coronaire et Banc

Benefit of a new provisional stenting strategy : the re-Proximal Optimizing Technique. The rePOT clinical study. Dérimay F, Finet G, Souteyrand G, Maillard L, Aminian A, Lattuca B, Cayla G,Cellier G, Motreff P, Rioufol G. *EuroIntervention 2018*

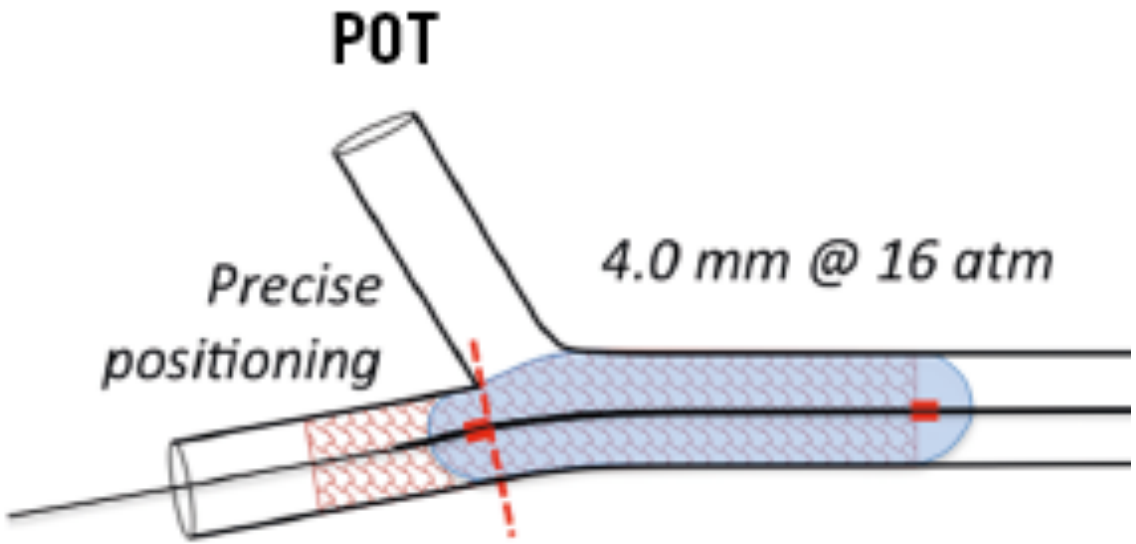
Influence of platform design of six different drug-eluting stents in provisional coronary bifurcationstenting by rePOT sequence: a comparative bench analysis. Derimay F, Souteyrand G, Motreff P, Rioufol G, Finet G. *EuroIntervention 2017*

Sequential Proximal Optimizing Technique in ProvisionalBifurcation Stenting With Everolimus-Eluting Bioresorbable Vascular Scaffold:Fractal Coronary Bifurcation Bench for Comparative Test Between Absorb and XIENCE Xpedition. Derimay F, Souteyrand G, Motreff P, Guerin P, Pilet P, Ohayon J, Darremont O, Rioufol G, Finet G. *JACC Cardiovasc Interv. 2016*

Comparative Analysis of Sequential Proximal Optimizing Technique Versus Kissing Balloon Inflation Technique in Provisional Bifurcation Stenting:Fractal Coronary Bifurcation Bench Test. Finet G, Derimay F, Motreff P, Guerin P, Pilet P, Ohayon J, Darremont O,Rioufol G. *JACC Cardiovasc Interv 2015*



Position du Ballon pour le POT



2 thématiques sur bifurcation :

1. **Quelle technique pour mon T-Provisional stenting ?**
   - POT indispensable? Quel intérêt?
   - REPOT ou Kissing?
   - Apport de l'OFDI

2. **Compression longitudinale?**
   - Incidence sous-estimée
   - Situations à risque?
   - Comment la prévenir?

Bifurcation coronaire et Banc

1. Quelle technique pour mon T-Provisional stenting ?

- POT indispensable? Quel intérêt?
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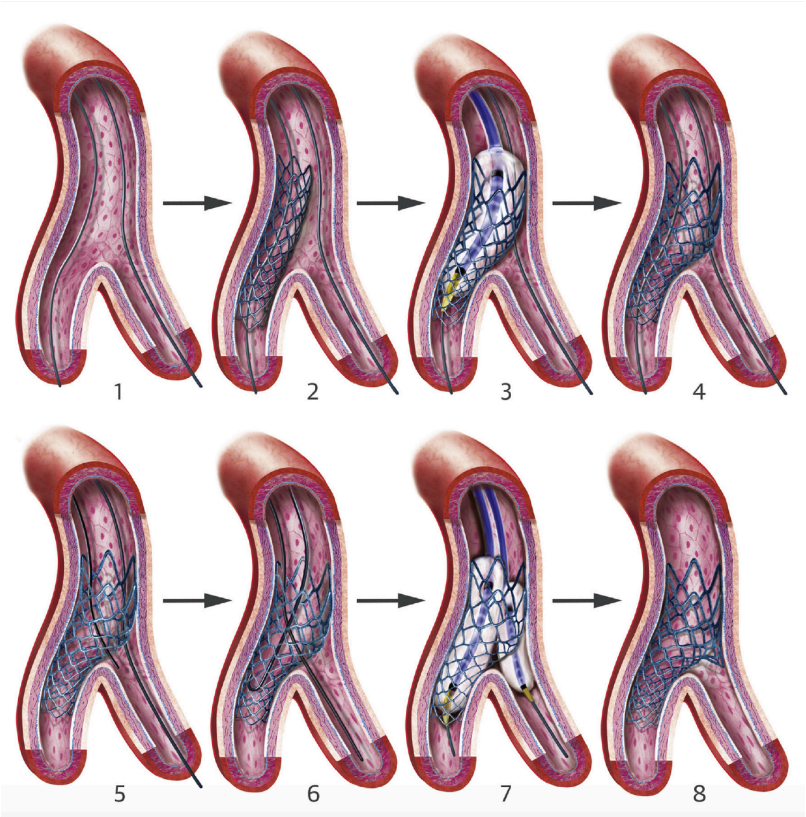
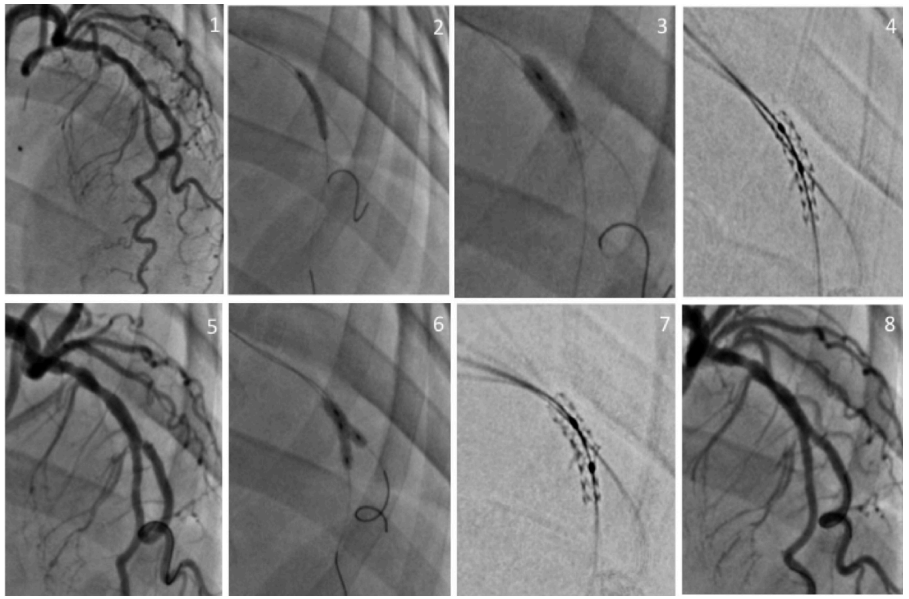
Bifurcation coronaire et Banc





Stenting - POT - Kissing

Sawaya FJ, JACC Cardiovasc Interv 2016

Bifurcation coronaire et Banc

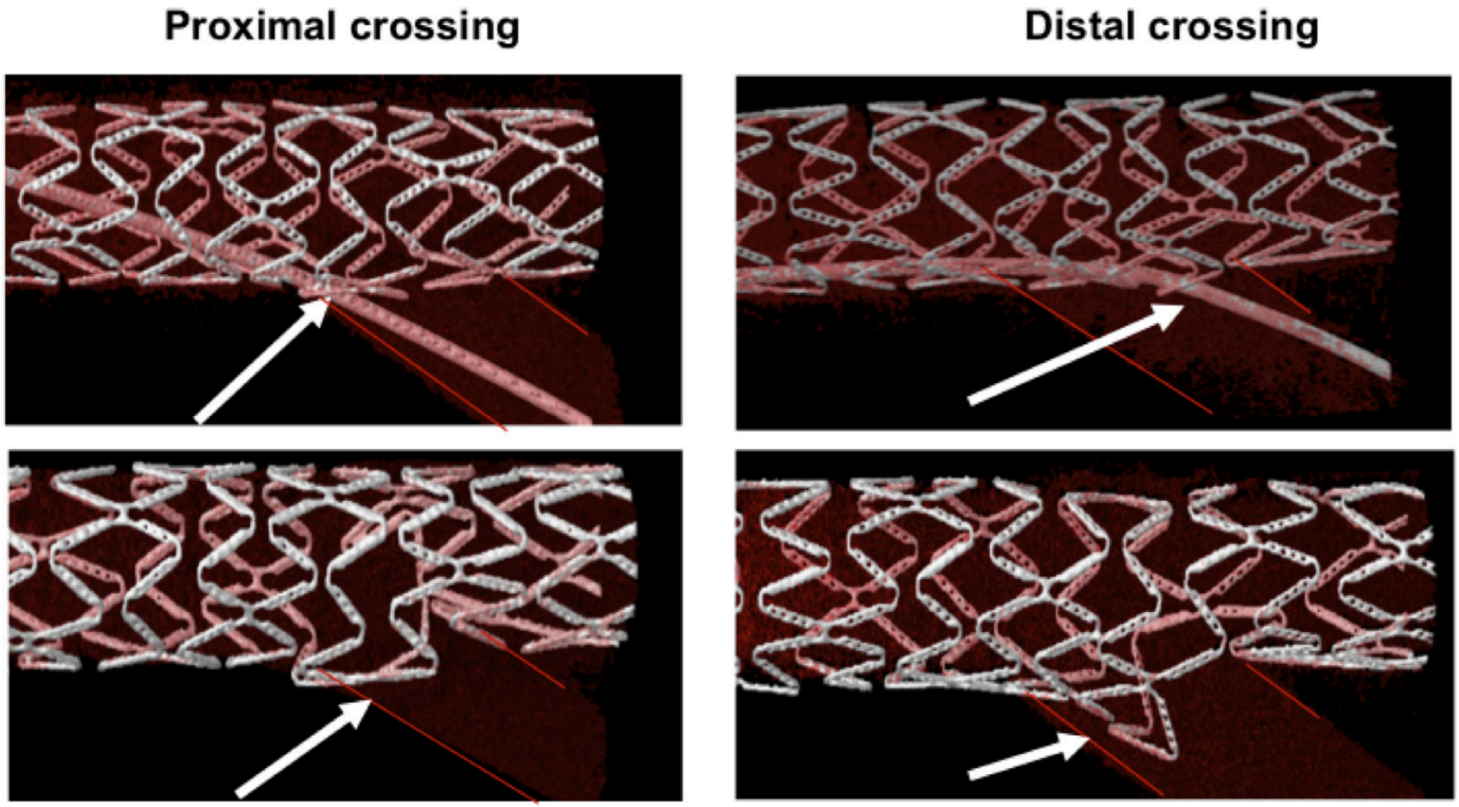
DES Designs Overexpansion

Balloon Max Size		Synergy	Xpedition	Res. Onyx	Ultimaster	BioMatrix A	Orsiro
4.0	2.25	Small vessel (8 crowns, 2-4 connectors) *Expansion: 3.6mm*	Small vessel (6 crowns, 3 connectors) *Expansion: 4.1mm*	Small vessel workhorse (6.5 crowns, 2 connectors) *Expan: 3.3mm*	Small vessel (8 crowns, 2 connectors) *Expansion: 4.3mm*	Small vessel (6 crowns, 2 connectors) *Expansion: 4.1mm*	Small vessel (6 crowns, 3 connectors) *Expansion: 4.0mm*
	2.50						
5.0	2.75			Medium vessel workhorse (8.5 crowns, 2 connectors) *Expansion: 4.4mm*			
	3.00	Workhorse (8 crowns, 2-4 connectors) *Expansion: 4.2mm*					
	3.50		Large vessel (9 crowns, 3 connectors) *Expansion: 5.6mm*	Large vessel (9.5 crowns, 2.5 connectors) *Expansion: 5.6mm*	Large vessel (8 crowns, 2 connectors) *Expansion: 5.8mm*	Large vessel (9 crowns, 3 connectors) *Expansion: 5.9mm*	Large vessel (6 crowns, 3 connectors) *Expansion: 5.3mm*
6.0	4.00	Large vessel (10 crowns, 2-5 connectors) *Exp: 5.7mm*					
	4.50			Extra-Large vessel (10.5 crowns, 2.5 connectors) *Expansion: 6.0mm*			
	5.00						

- *Expansion : inner stent MLD excluding struts*
- *Max balloon size : Maverick 6.0mm at 14 ATM*

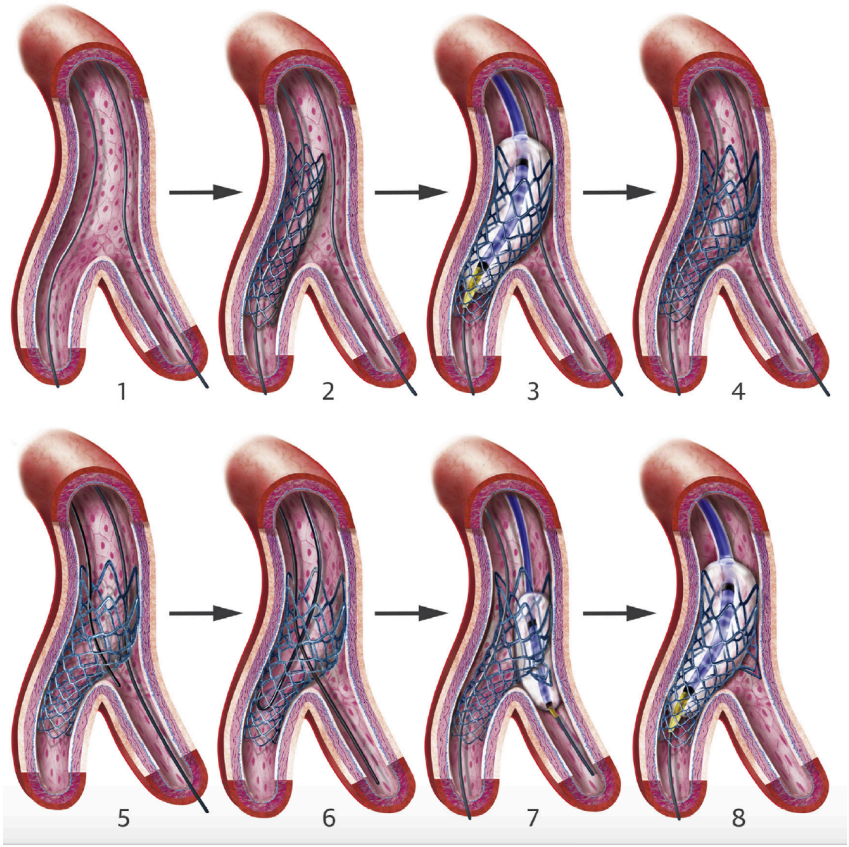
Sawaya FJ, JACC Cardiovasc Interv 2016

Bifurcation coronaire et Banc



Sawaya FJ, JACC Cardiovasc Interv 2016

Bifurcation coronaire et Banc



Stenting
POT-Side-POT ou REPOT

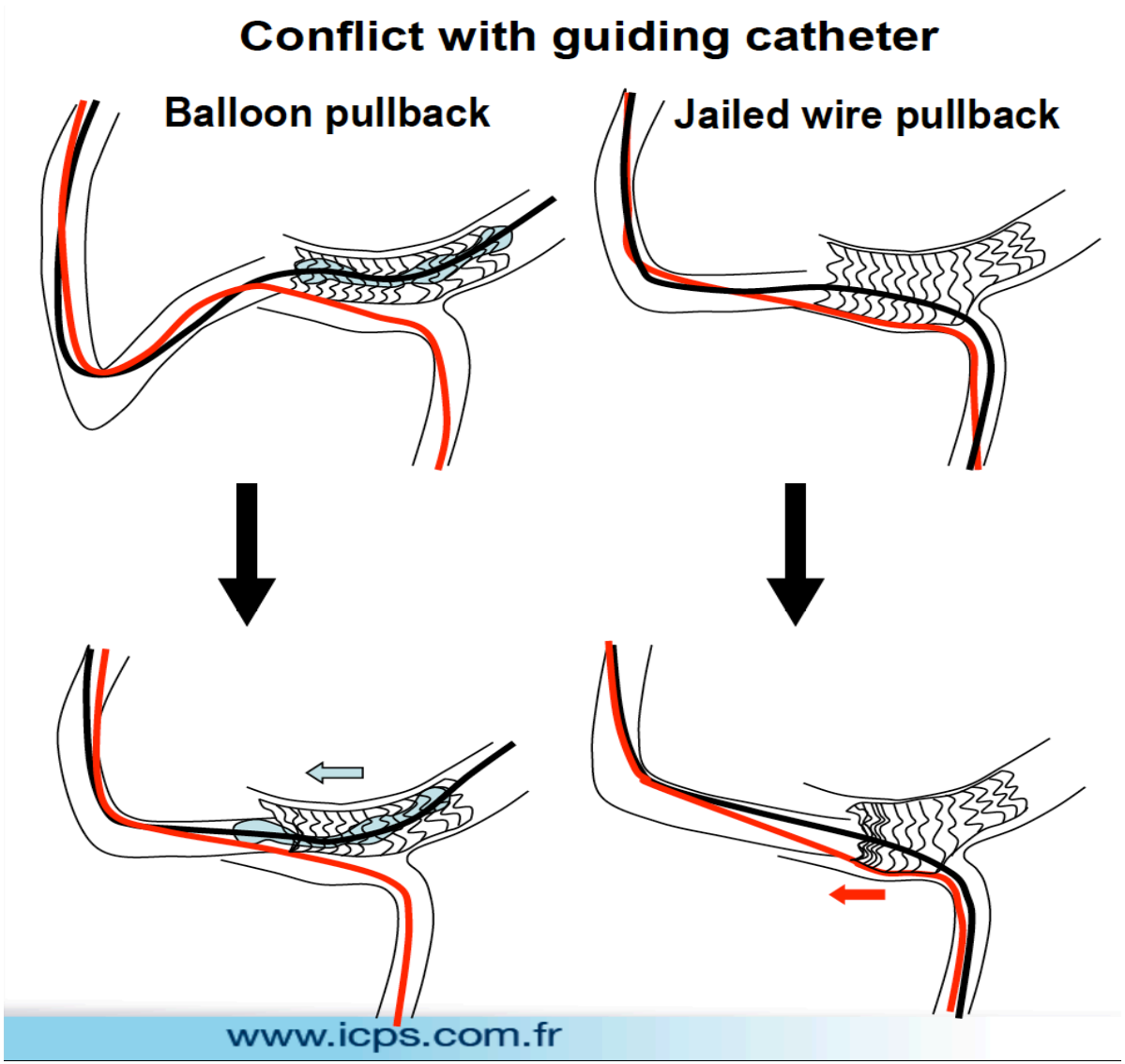
Sawaya FJ, JACC Cardiovasc Interv 2016

Bifurcation coronaire et Banc

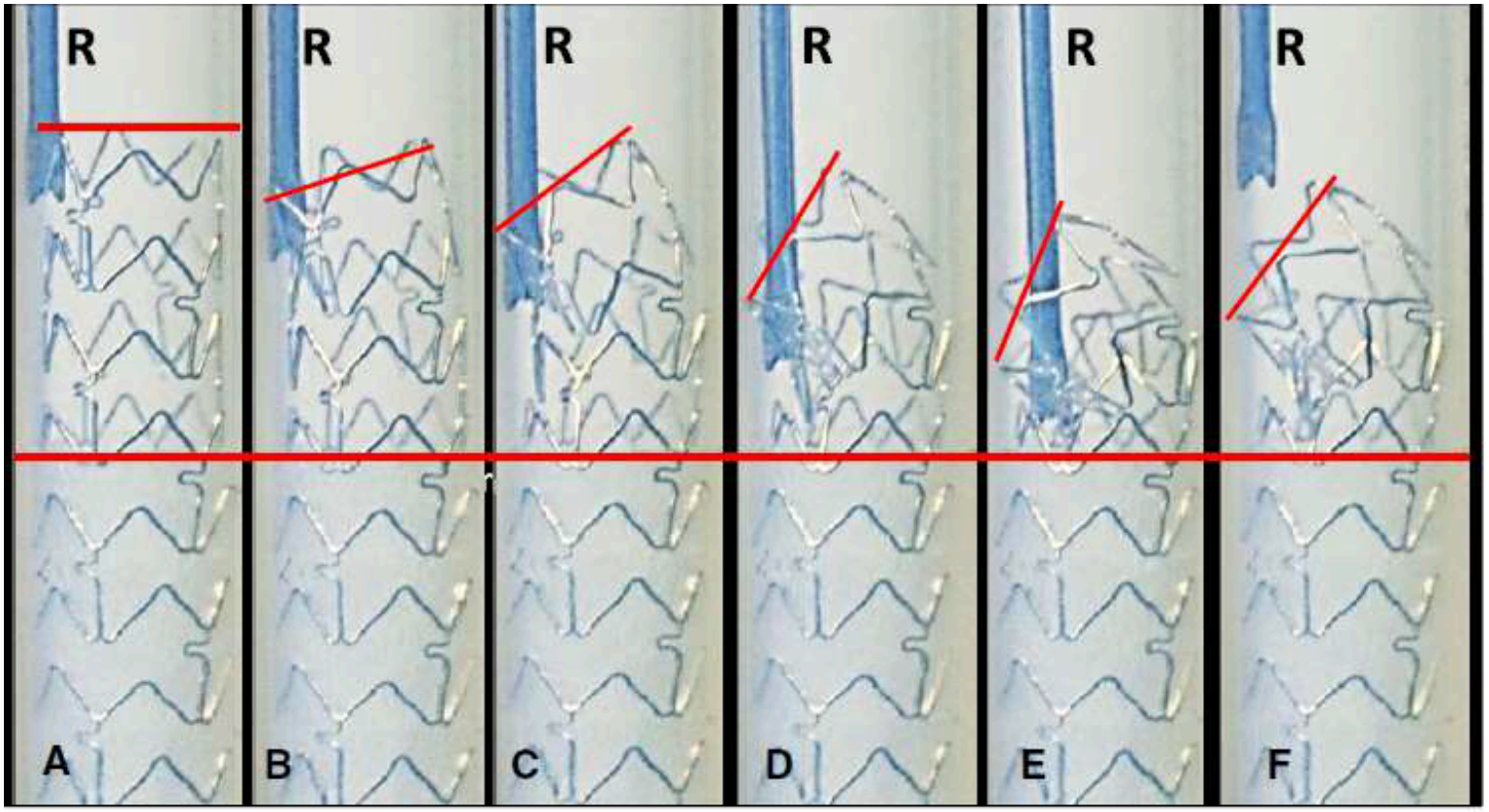
2. Compression longitudinale (CL)

- Incidence sous-estimée
- Situations à risque?
- Comment la prévenir?

Bifurcation coronaire et Banc

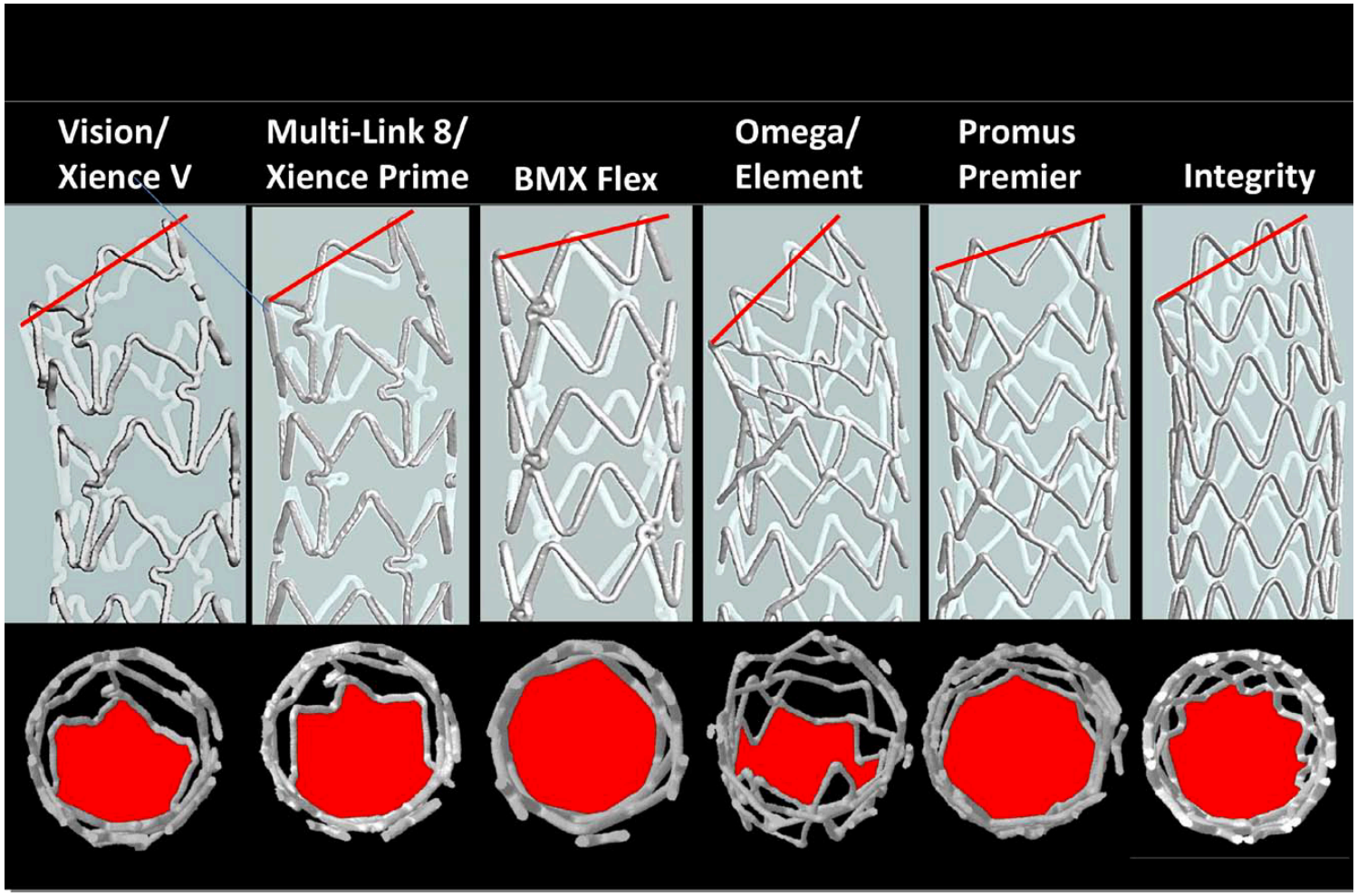


Bifurcation coronaire et Banc



Test de compression longitudinale

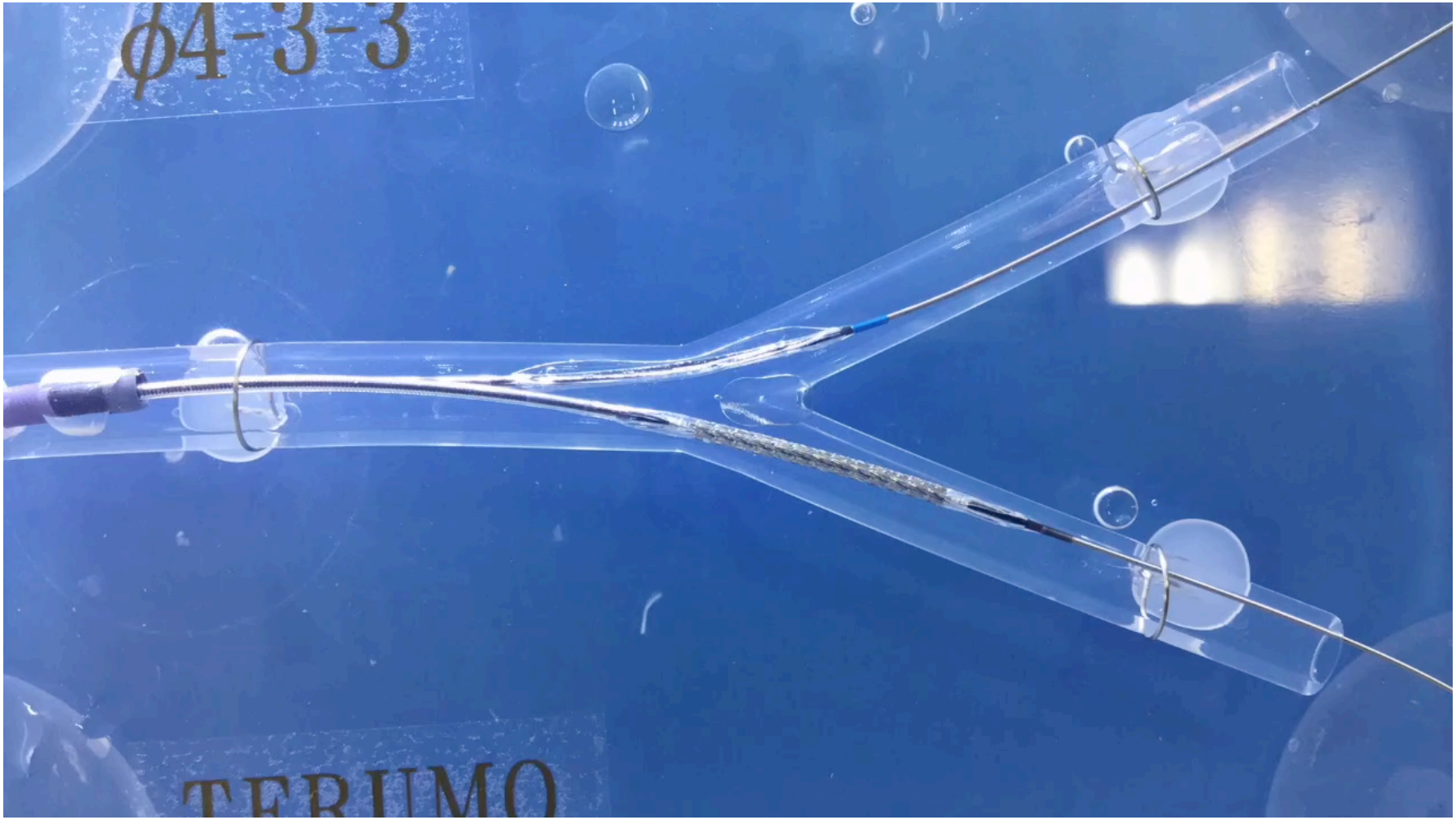
Bifurcation coronaire et Banc



Ormiston et al Point Compression and Stent Longitudinal Strength

Bifurcation coronaire et Banc

Longitudinal compression
due to twist between jailed (SB) and IS Wire (MB)



Comment prévenir la compression longitudinale

- **Compression lié au KTG**

  - **Lié au retrait du ballon**
    - Extubation légère du KTG
    - Mouvement « Push and pull » du ballon

  - **Lié au retrait du guide piégé**
    - Ballon faible pression gonfle dans ostium TC
    - 2d guide dans sinus CG
    - Autre … (système repérage ostia)

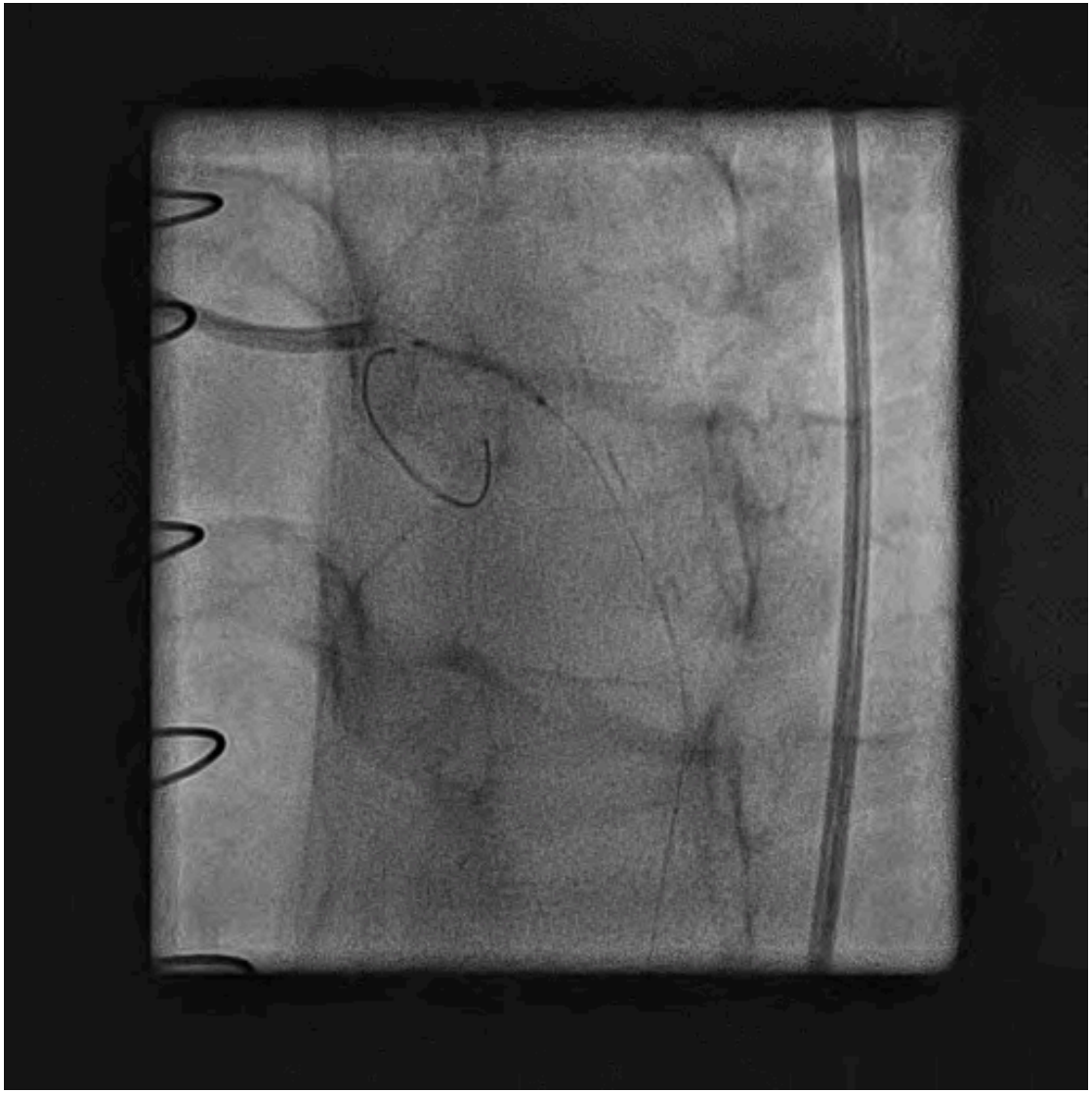
- **Compression lié au twist de guide**
  - Ballon neuf pour POT
  - Retrait du guide piégé avant POT si artère fille intacte

- **Meilleure prévention = Pas de guide piégé dans fille !!!**

Bifurcation coronaire et Banc

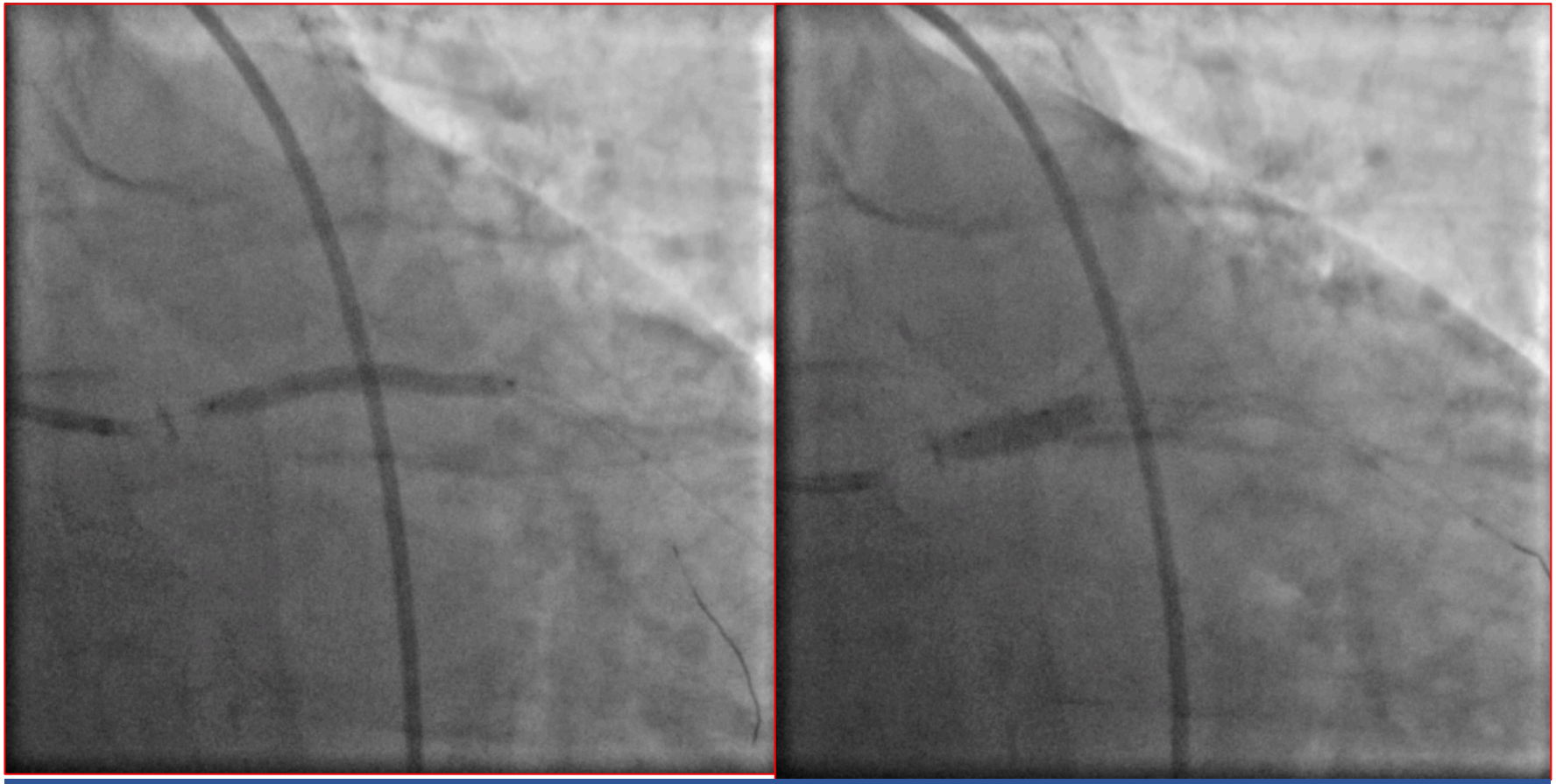
2d Guide dans sinus AG

Pour reperage de l'otium du TC et prevenir CL par KTG



Bifurcation coronaire et Banc

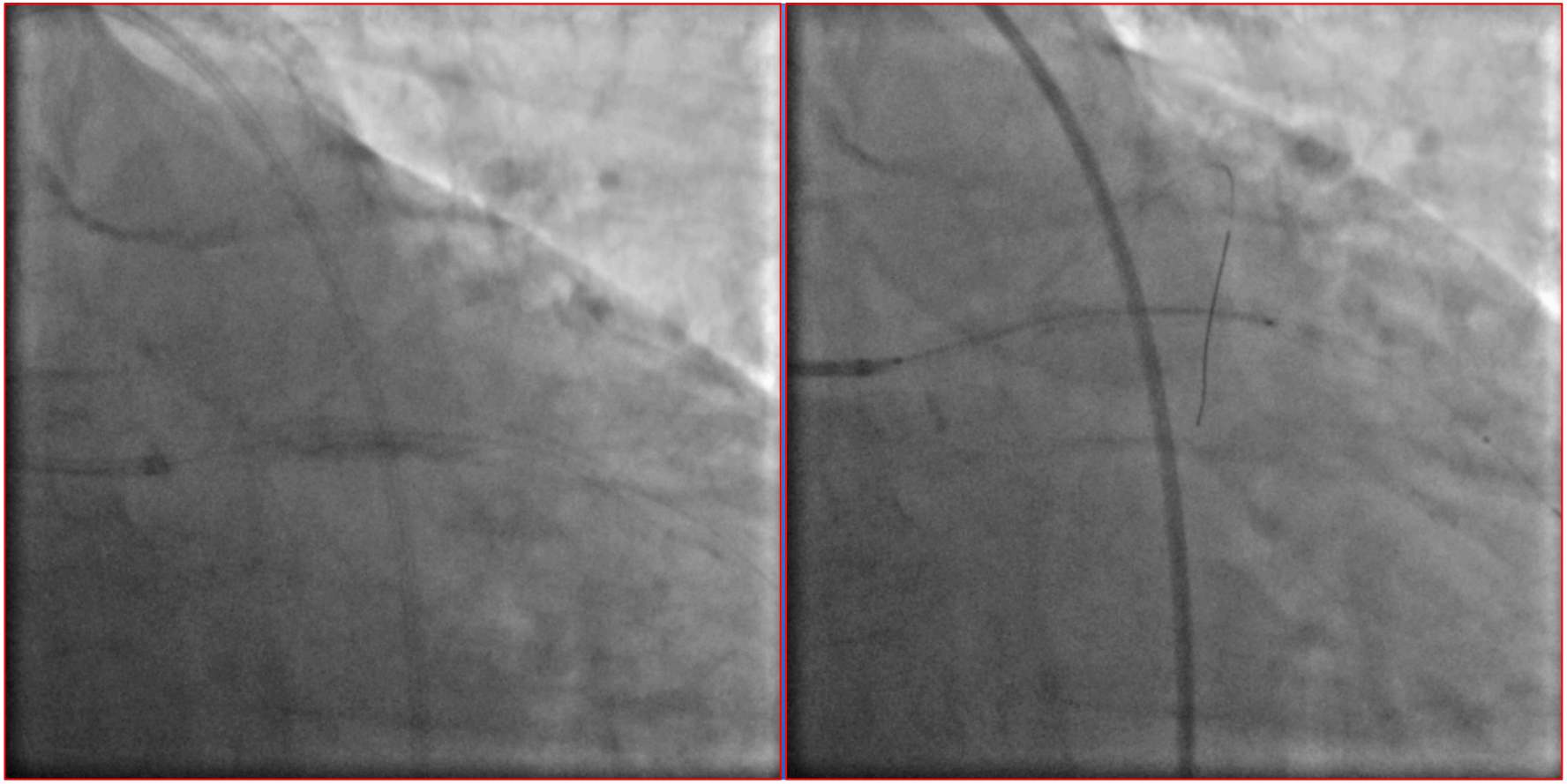
ATL TC-Cx sur guide sion blue avec guide rota trappé



Inflation EES 3.0 x 32 mm puis POT avec BNC 4.5 x 15 mm

Bifurcation coronaire et Banc

Compression longitudinal au retrait de guide rota wire trappe



Mise en place d'un 2ème guide Sion Blue vers l'IVA / Analyse OCT (run#2)

Bifurcation coronaire et Banc