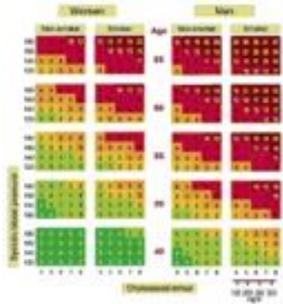


Les lésions longues

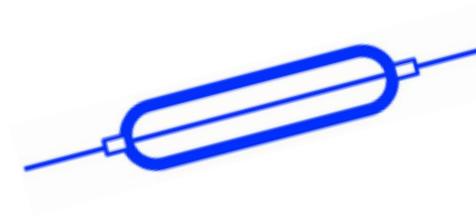
Conflits d'intérêts

Consultant pour TERUMO

Plus de lésions longues



↗ FDR CV : Diabète



↗ Techniques



↘ Chirurgie



↗ Personnes âgées



↗ CTO

Particularités et enjeux

Quelle revascularisation?

Longueur

>> préparation

>> stenting long et multiple

Tortuosités >> délivrabilité

Respect de la loi fractale

Respect des collatérales

DAPT ++

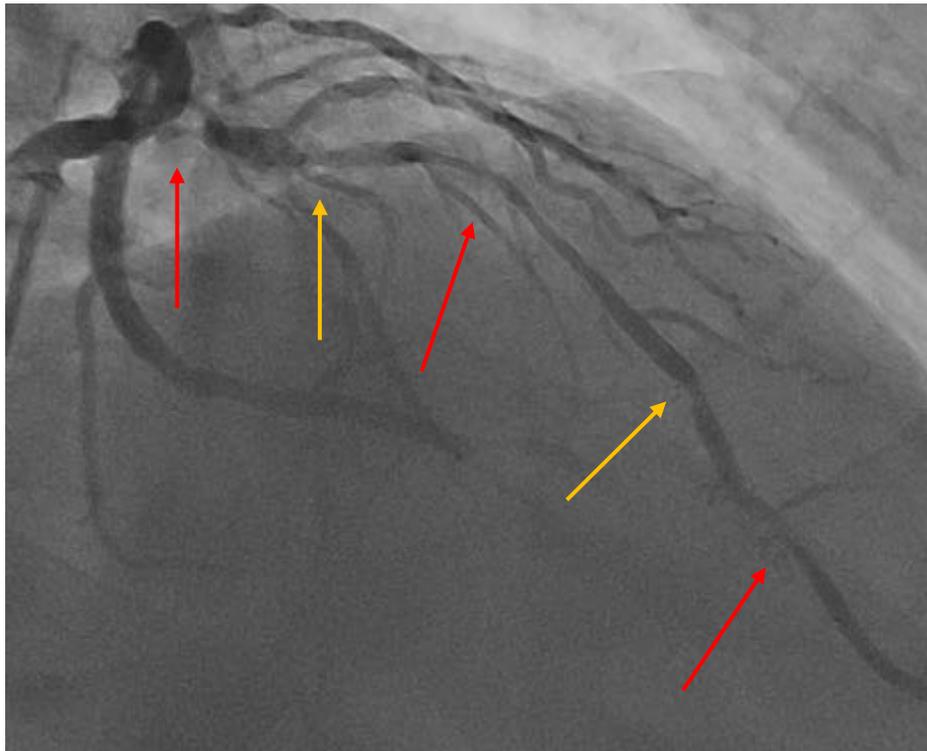
Quelle stratégie de revascularisation ?

Angioplastie vs chirurgie

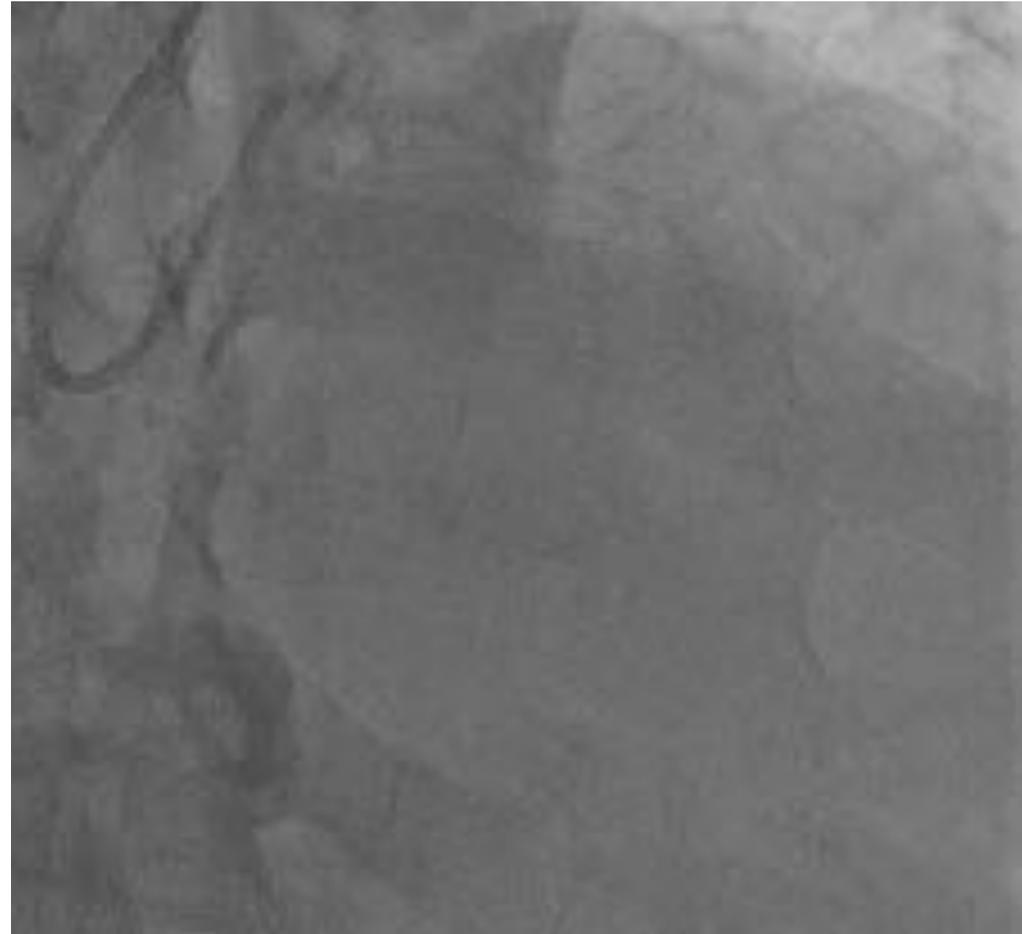
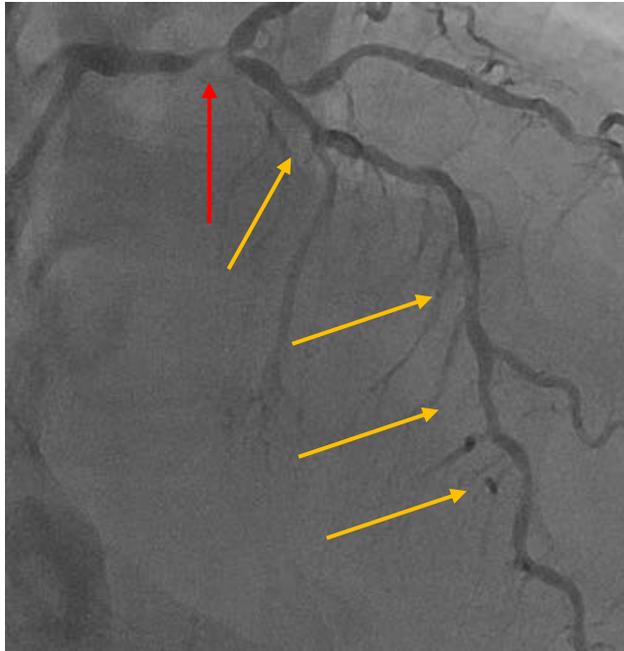
>> Heart Team

Faut-il traiter tout le vaisseau? Spot stenting / FFR guided

NSTEMI antérieur



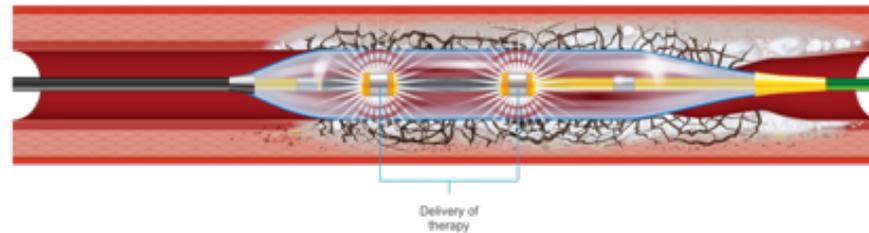
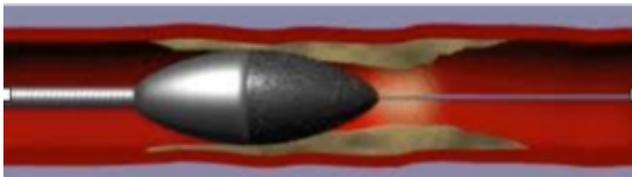
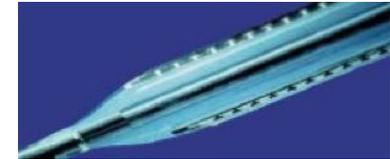
SCC avec une IVA multisténosée calcifiée



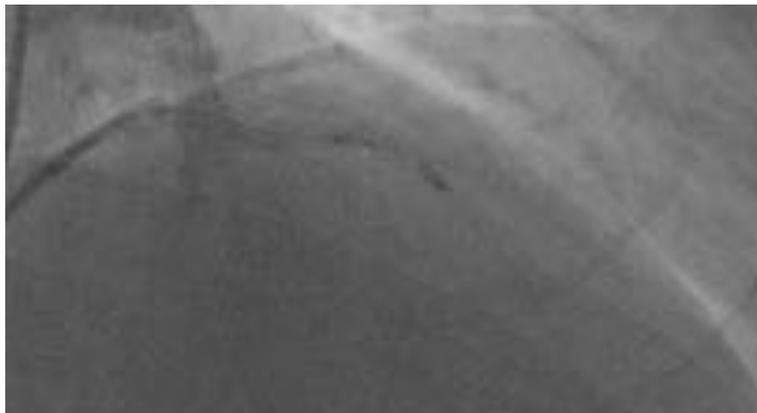
Préparation de la lésion

Essentiel +++

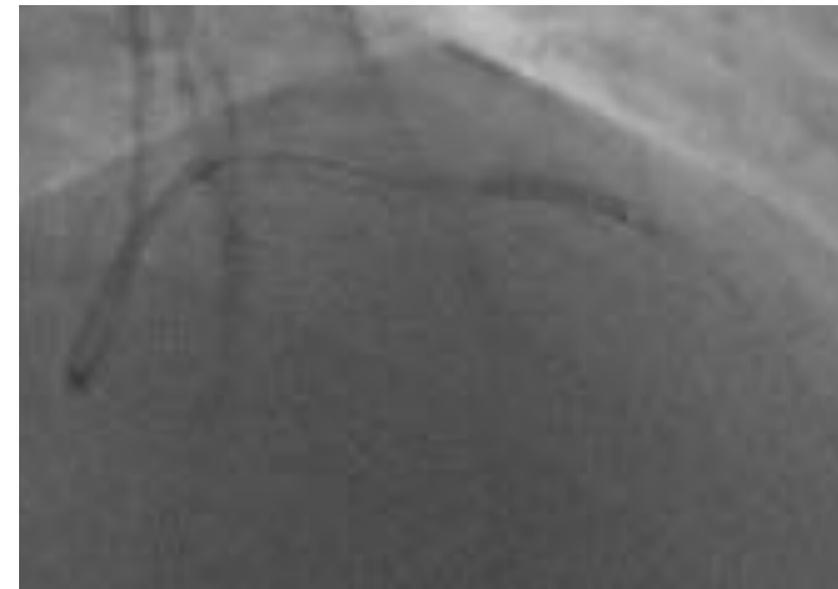
Outils disponibles



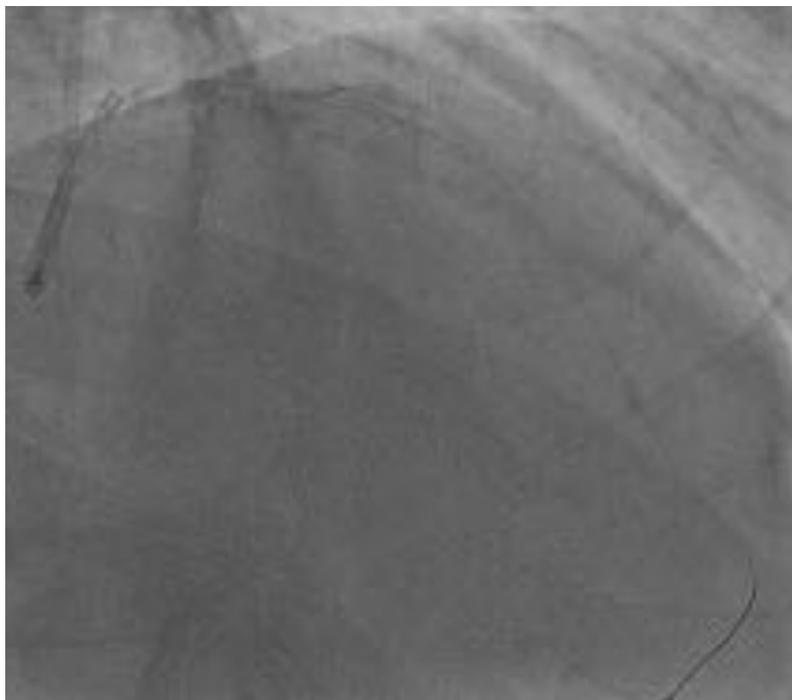
Cas 1



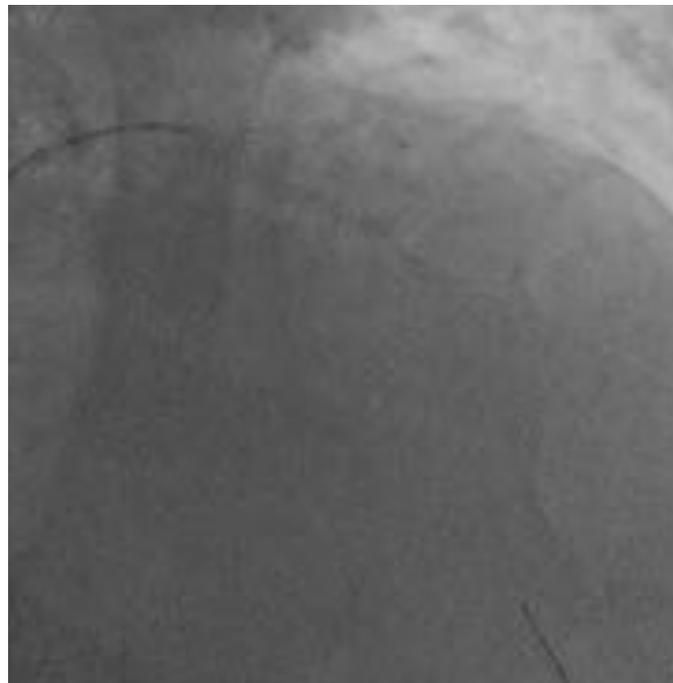
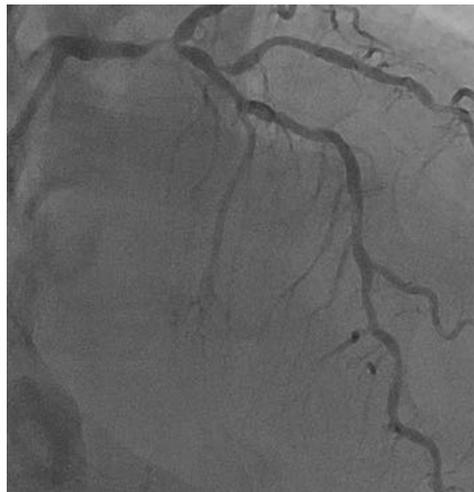
Sous-déploiement du ballon



Shockwave 3.0



Cas 2



Athérectomie Orbitale



Techniques et choix du stent

Pas de direct stenting

Eviter l'overlapping >> stents longs

Flexibilité - trackabilité >> mailles ultrafines

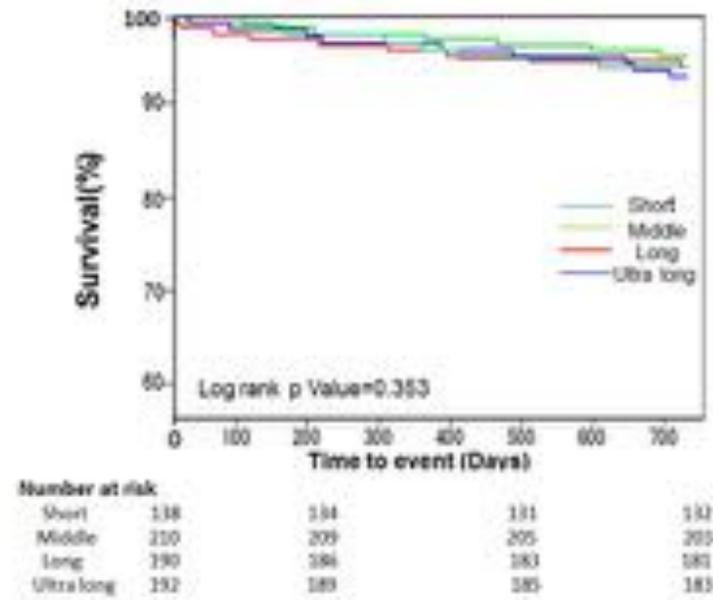
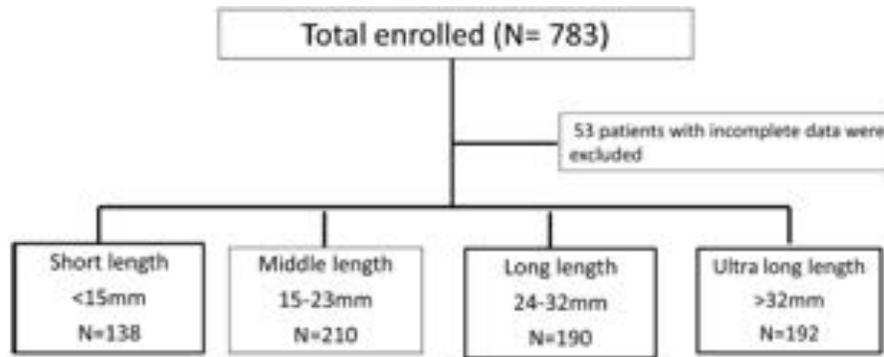
Ouverture des collatérales

Capacité overexpansion des stents

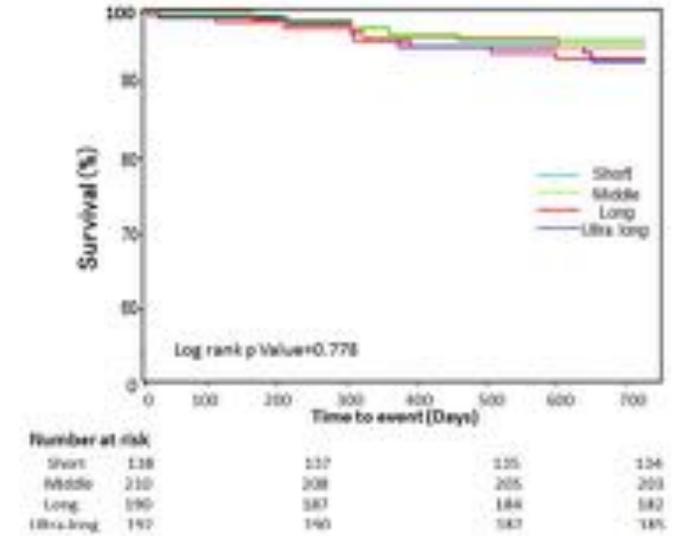
Durée d'inflation et ballons NC complémentaires

Imagerie

Quel impact de la longueur de stent ?



MACE à 2 ans



TVR à 2 ans

Yano H, J Cardiol 2018; 71:444-51

Techniques et choix du stent

Pas de direct stenting

Eviter l'overlapping >> stents longs

Flexibilité - trackabilité >> mailles ultrafines

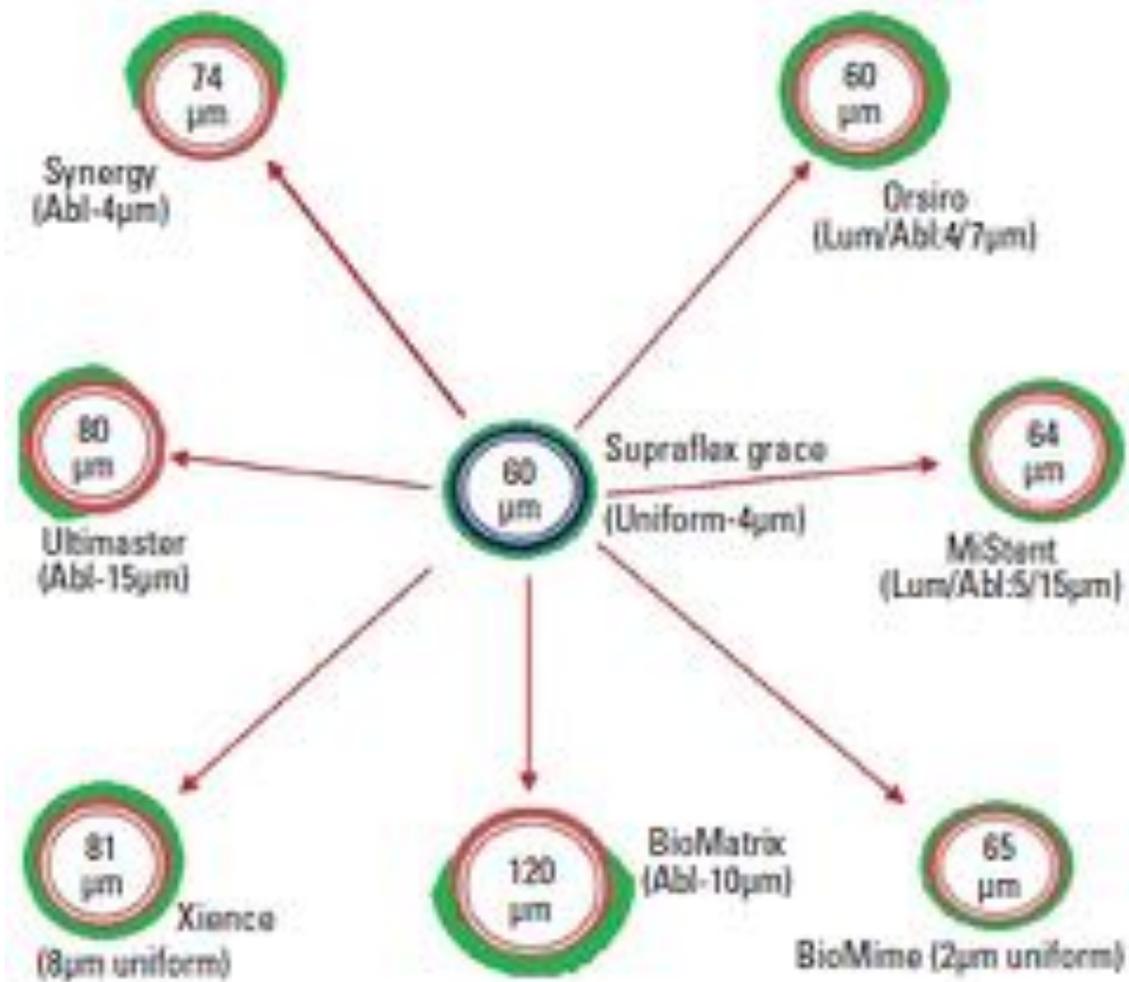
Ouverture des collatérales

Capacité overexpansion des stents

Durée d'inflation et ballons NC complémentaires

Imagerie

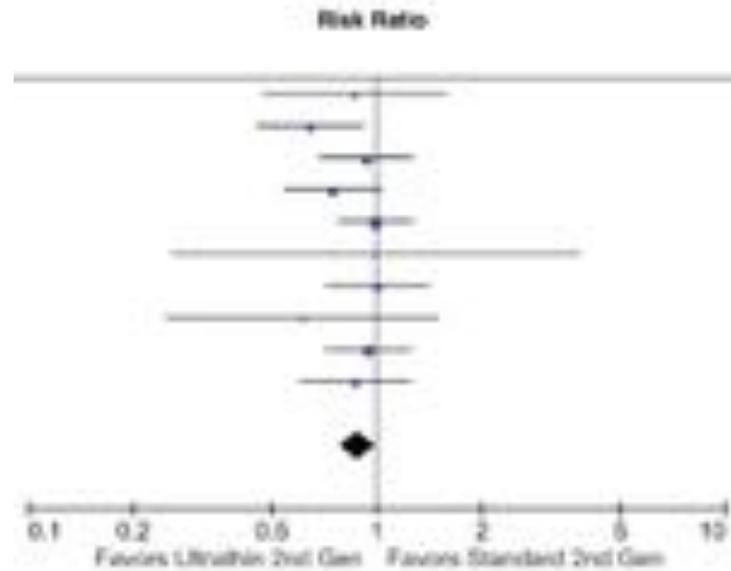
Les mailles ultrafines



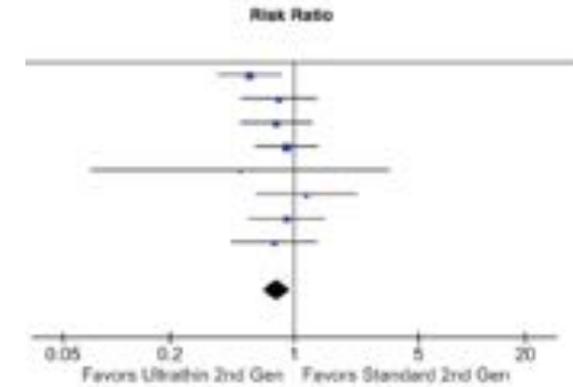
Résultats à 2 ans

Métanalyse 14 500 pts

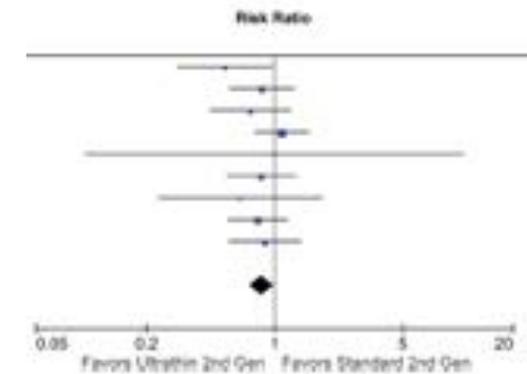
Trial	Follow-up (years)	Stent
BIORESORT TM 2 nd Gen	2	ORSIRO
	3	RESOLUTE
BIONIX TM 2 nd Gen	2	ORSIRO
		RESOLUTE
SORT OUT V TM 2 nd Gen	2	ORSIRO
	3	NOBOR
BIOFLOW V TM 2 nd Gen	2	ORSIRO
	3	XIENCE
ORIENT TM 2 nd Gen	2	ORSIRO
	3	RESOLUTE
BIOFLOW S TM 2 nd Gen	2	ORSIRO
	5	XIENCE
BIOSENCE TM 2 nd Gen	2	ORSIRO
	5	XIENCE
TALENT TM 2 nd Gen	2	SUPRAFLIX
		XIENCE
DESSOLVE II TM 2 nd Gen	2	MISTENT
	3	XIENCE
DESSOLVE II TM 2 nd Gen	2	MISTENT
	5	ENDAVOR



TLF à 2 ans
12% de réduction



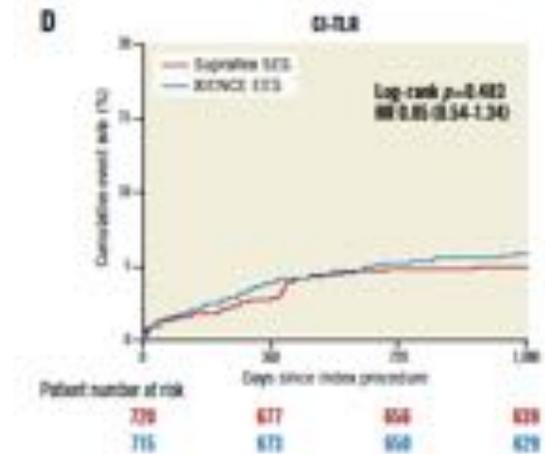
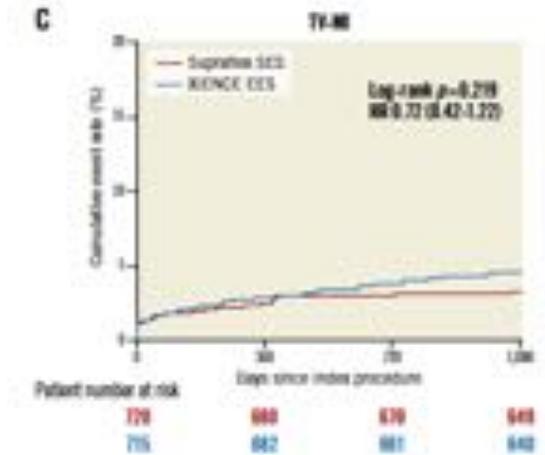
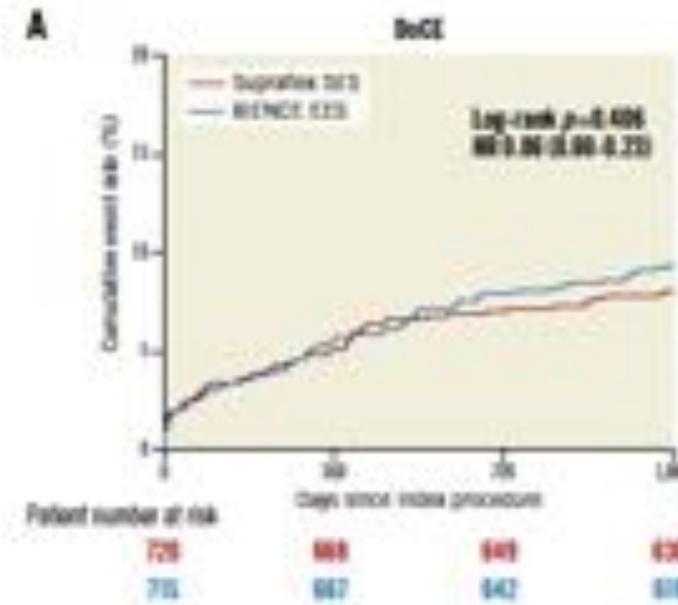
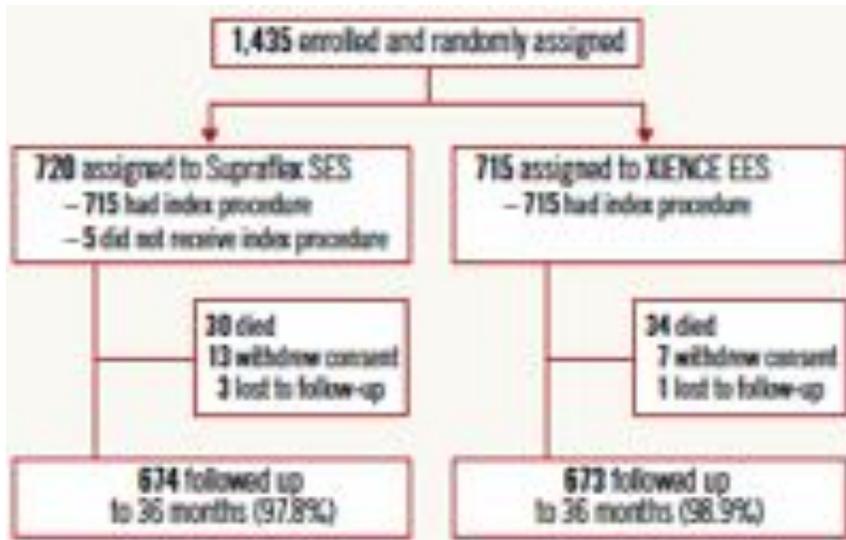
TVMI à 2 ans



TLR à 2 ans

Hussain, CCI 2022; 99:563-74

Résultats à 3 ans: TALENT



de Winter, Eurointervention 2022 DOI: 10.4244/EIJ-D-21-00766

Registre Supraflex® ≥ 40 mm

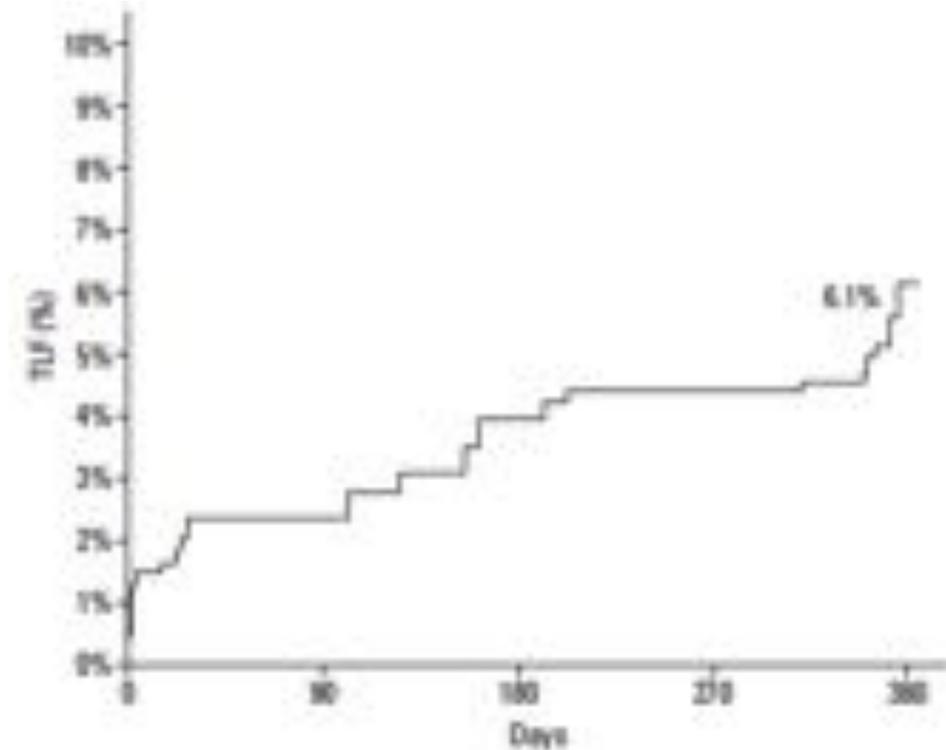
684 patients

2.2% d'échec de pose

Buddy wire dans 4.8%

Extension CG: 5.2%

0.1% de fracture de stent



Sinha S, Anatol J Cardiol 2021; 25:111-9

Techniques et choix du stent

Pas de direct stenting

Eviter l'overlapping >> stents longs

Flexibilité - trackabilité >> mailles ultrafines

Ouverture des collatérales

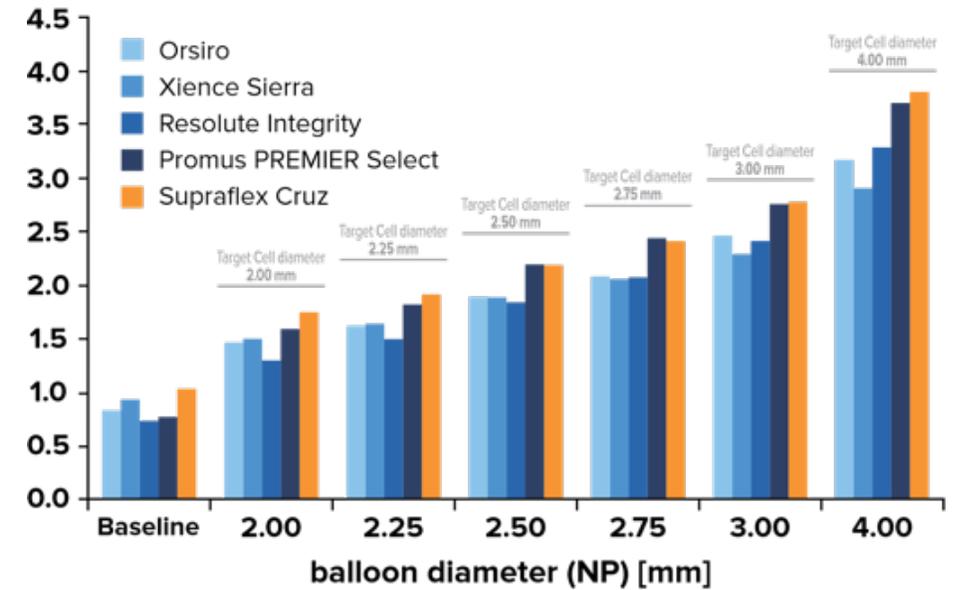
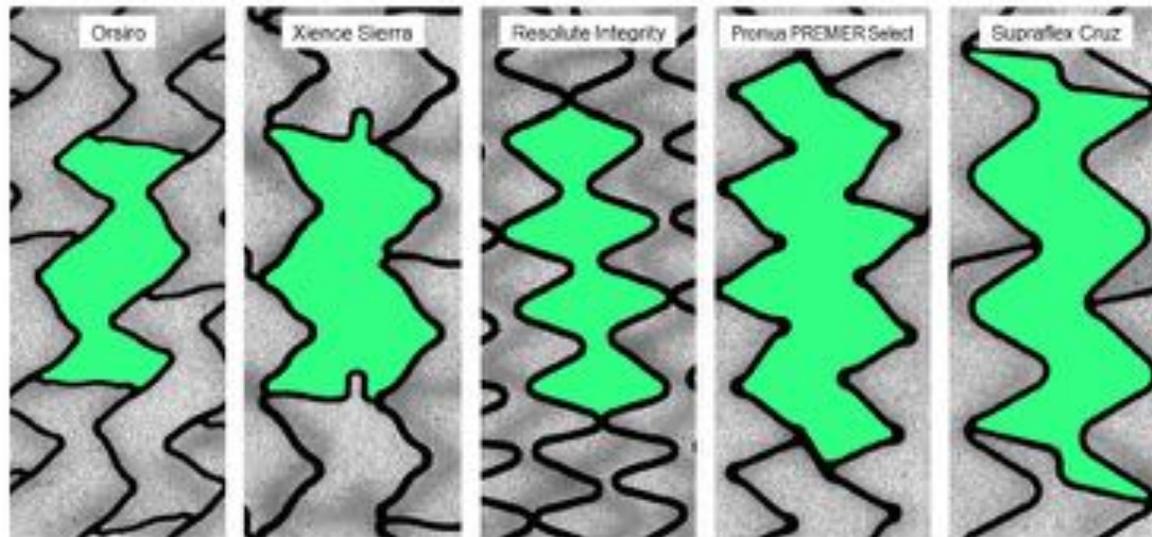
Capacité d'overexpansion des stents

Durée d'inflation et ballons NC complémentaires

Imagerie

Side-branch access and expansion capacity

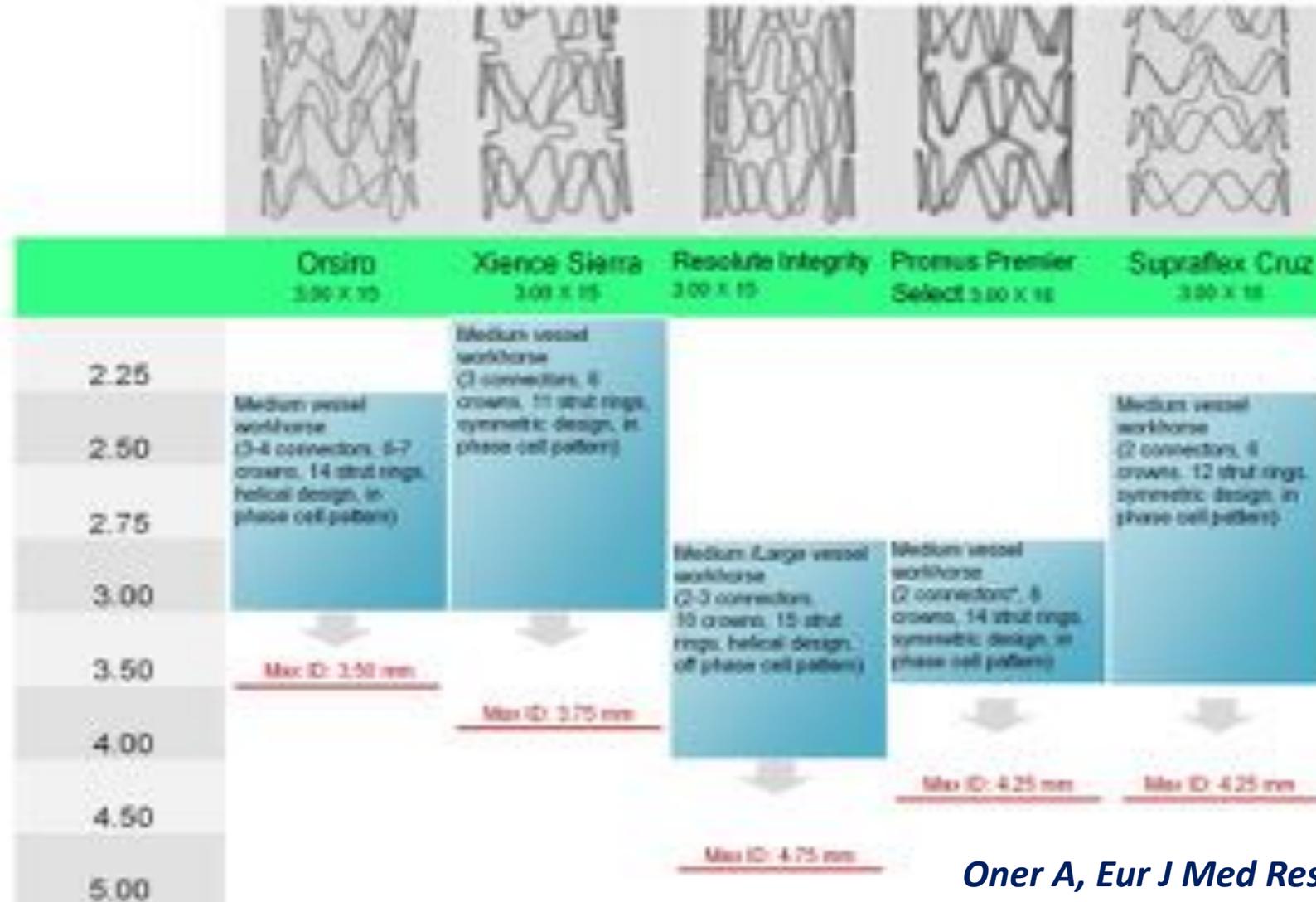
Side branch access and expansion



Diamètre de la cellule

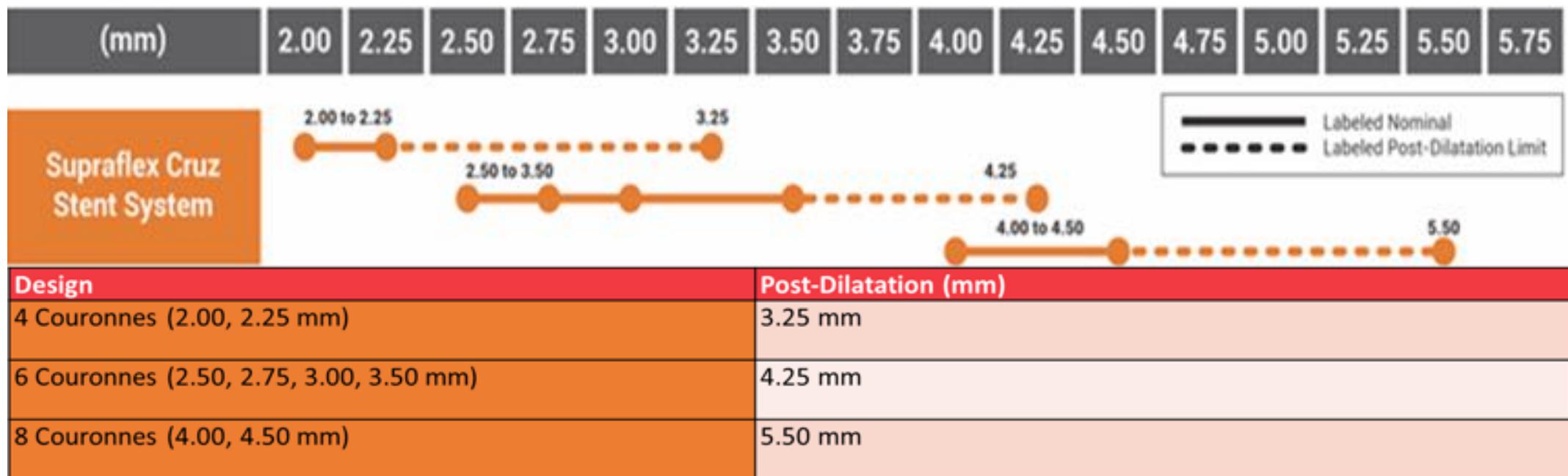
Oner A, Eur J Med Res 2021; 26:121-30

Overexpansion limits



Oner A, Eur J Med Res 2021; 26:121-30

Capacité d'expansion



Techniques et choix du stent

Pas de direct stenting

Eviter l'overlapping >> stents longs

Flexibilité - trackabilité >> mailles ultrafines

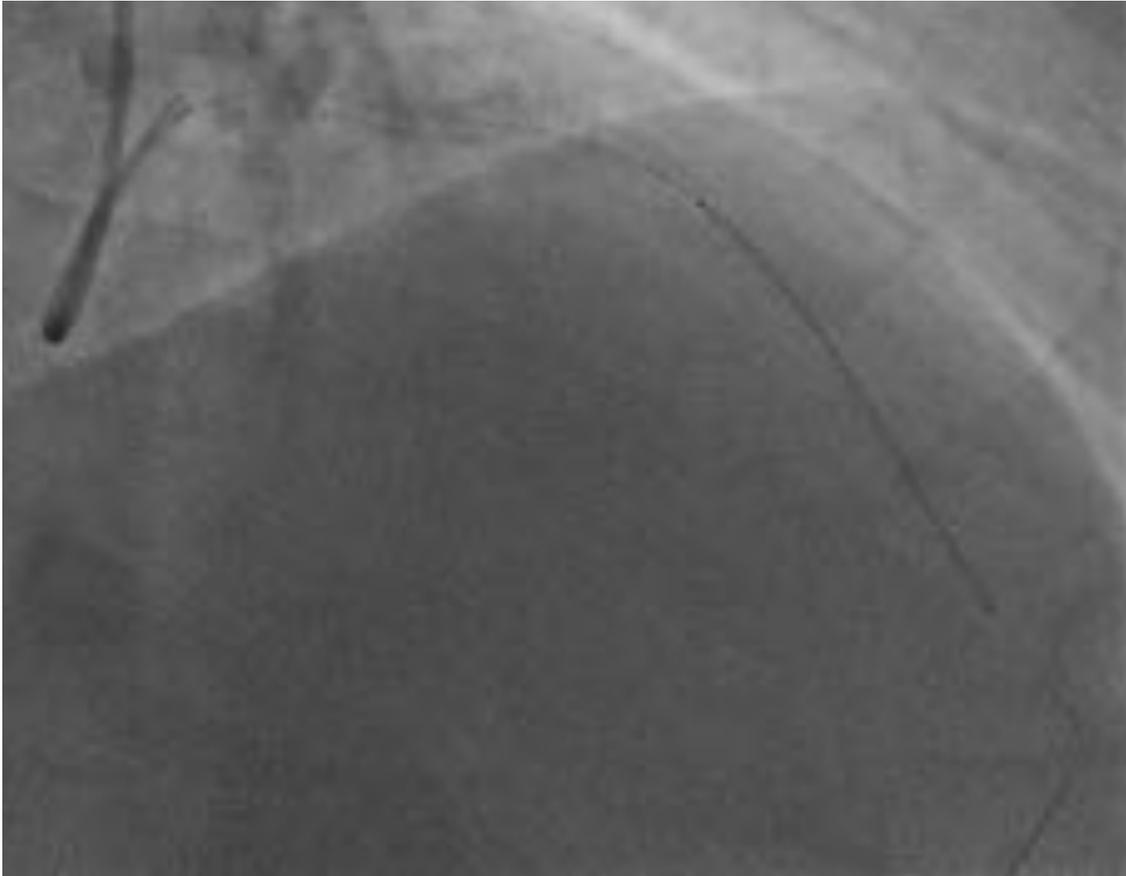
Ouverture des collatérales

Capacité overexpansion des stents

Durée d'inflation et ballons NC complémentaires

Imagerie

Cas 1: stenting

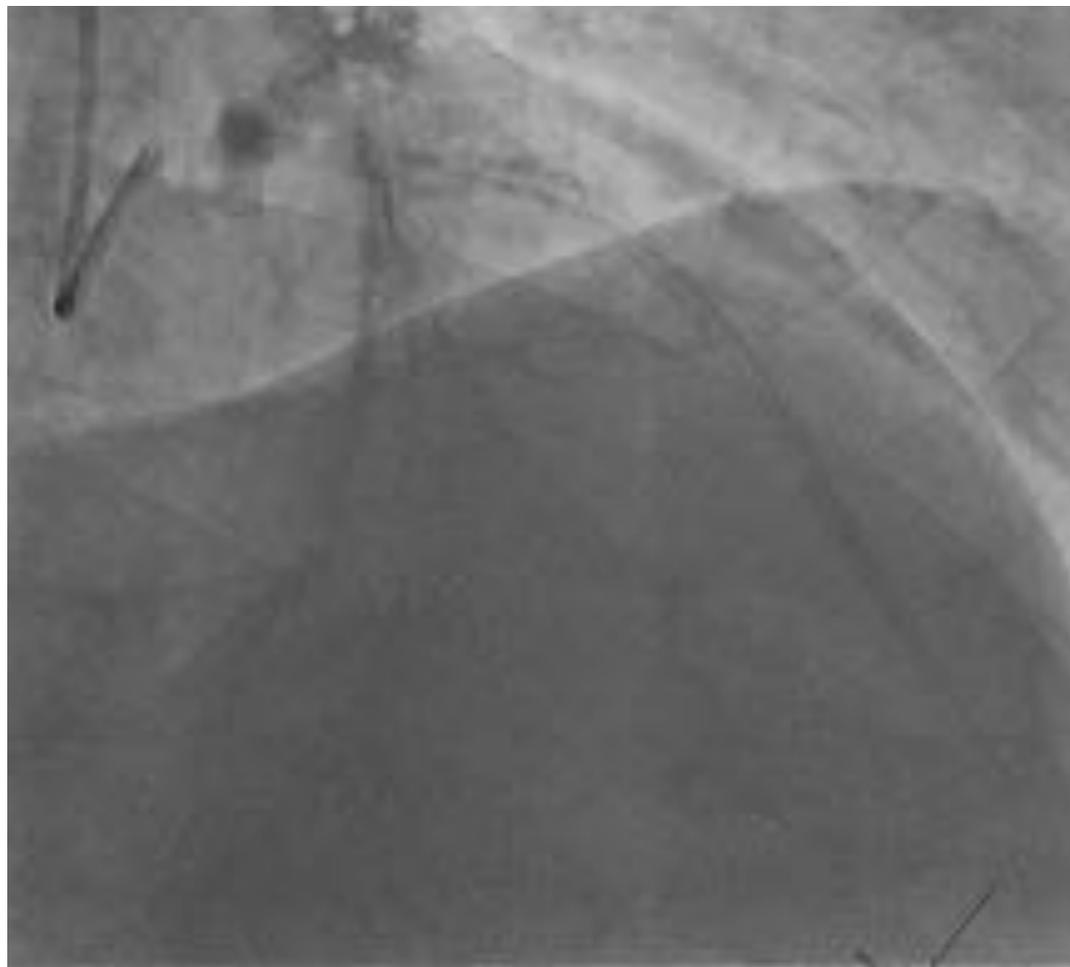


Synergy 2.5 x 48 mm

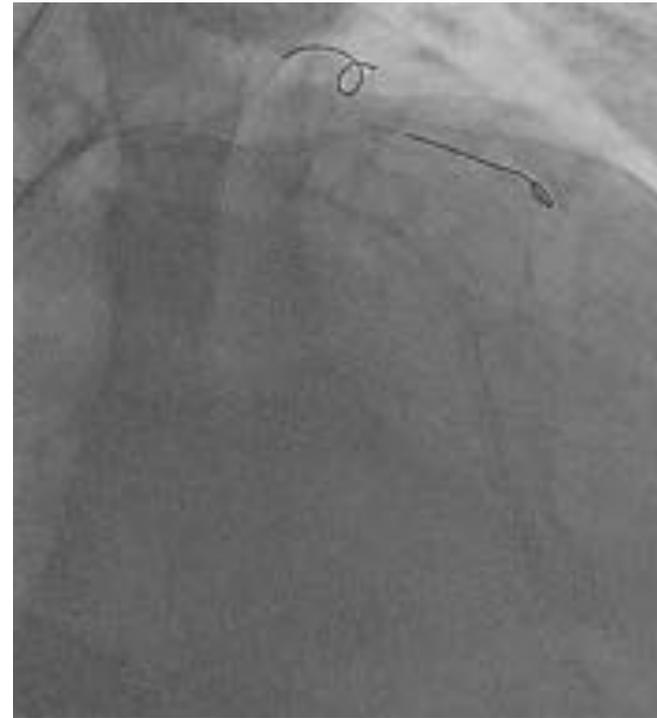
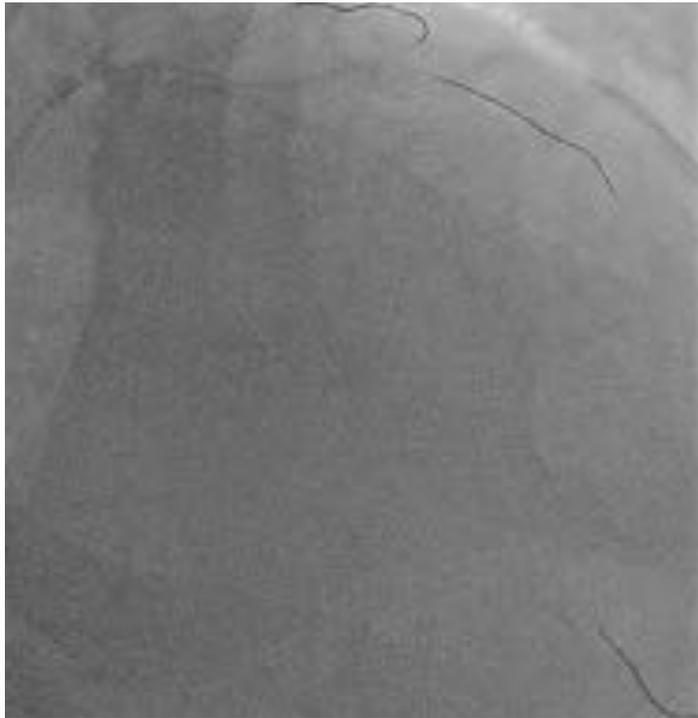


Synergy 3.0 x 48 mm

Cas 1: résultat

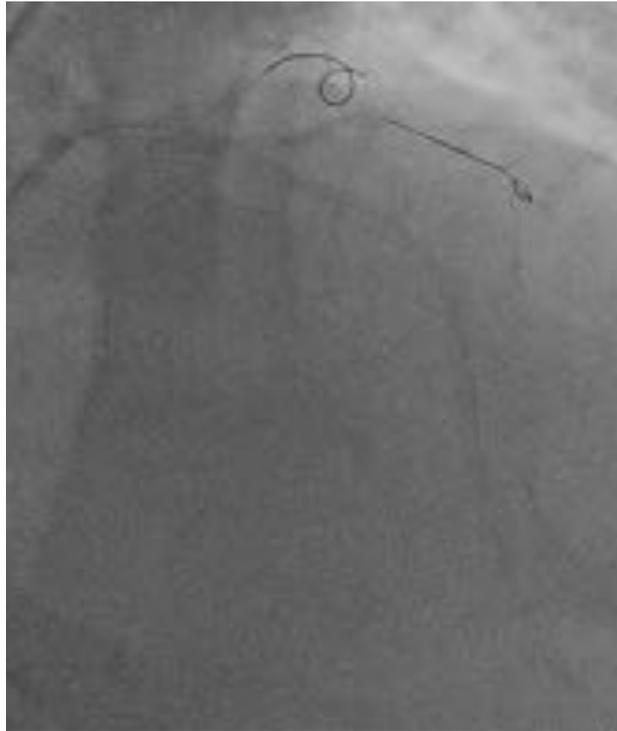


Cas 2: stenting post Orbital

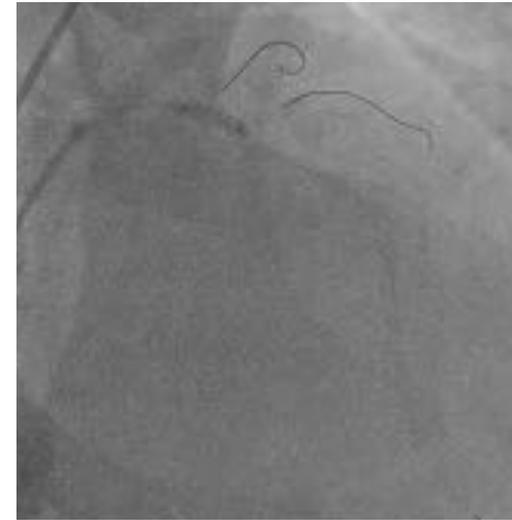


Supraflex Cruz 2.5 x 40 mm

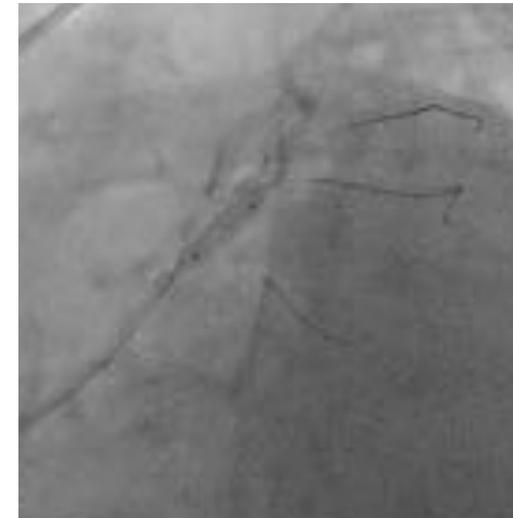
Cas 2: stenting post Orbital



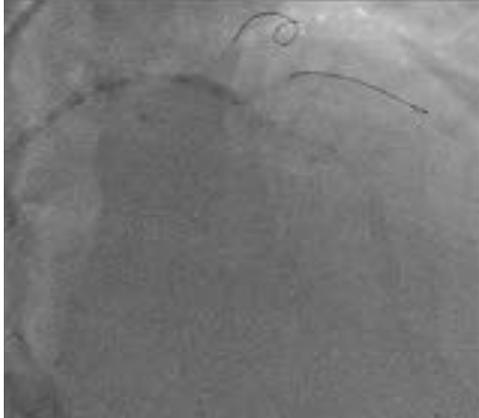
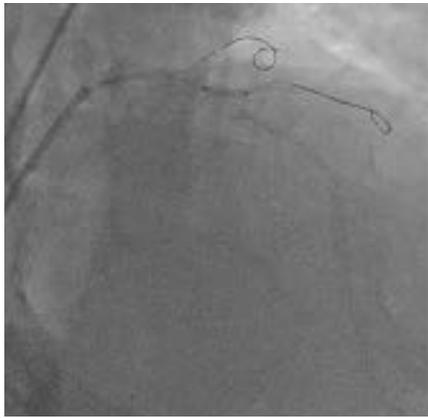
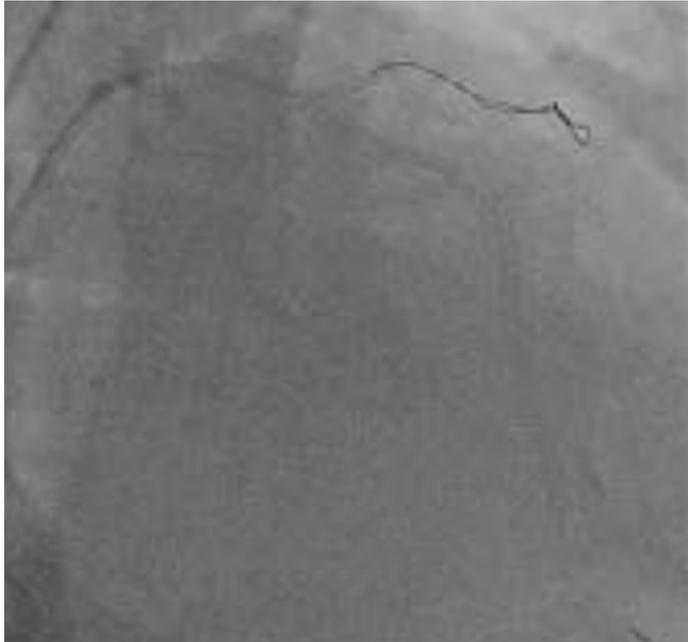
Supraflex Cruz 2.75 x 48 mm



POT 1



POT 2



Cas 2: résultat



Les lésions longues

Fréquence

Lésions souvent hostiles / Ca++ >> anticiper techniques et matériel

Lésions complexes: procédures à planifier

Adapter le choix du stent

Exigences en terme de résultat

Bon résultat au final