What have we learned from Syntax?

Surgery vs PCI with 1st generation stent (Taxus)

1800 patients with MV disease and/or LM disease

Primary endpoint

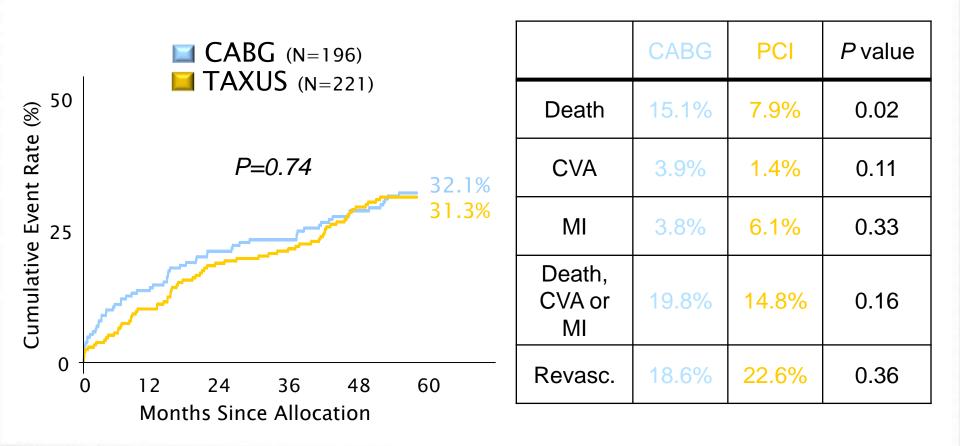
Death, MI, stroke, any revasc at 12 month **Not met**

LM subroup analysis (705 patients)

1. Complexity matters

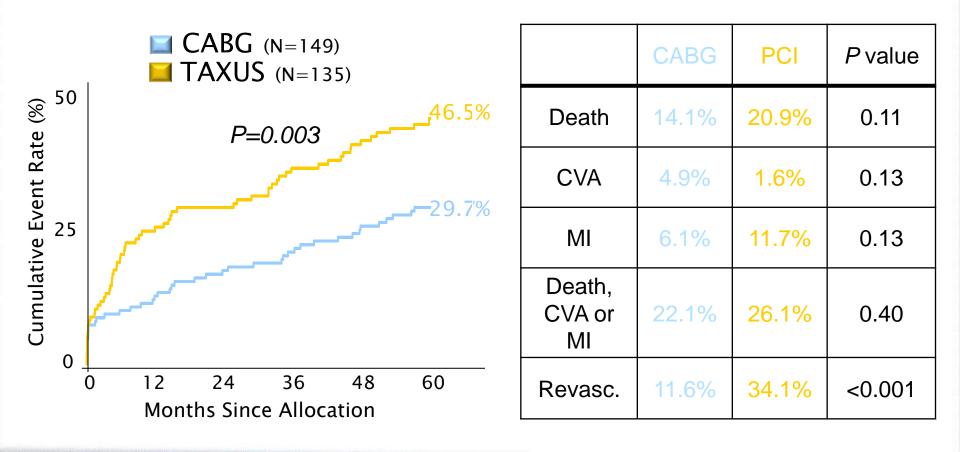
MACCE to 5 Years by SYNTAX Score Tercile

LM Subset-Low to Intermediate Scores (0-32)



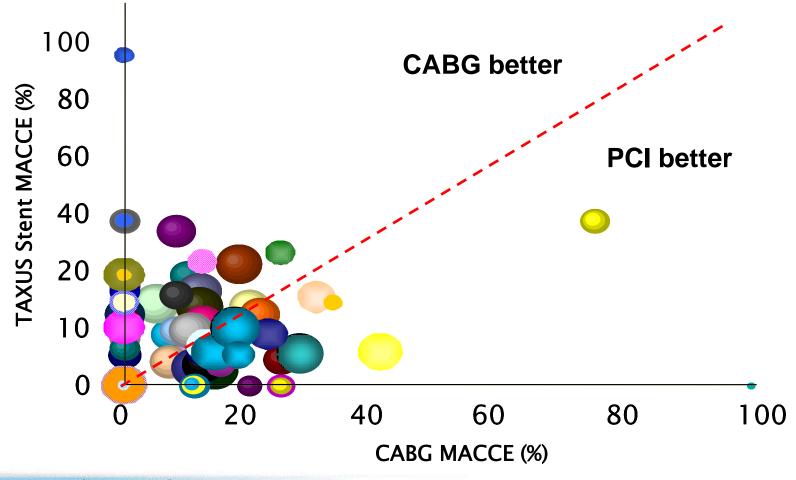
MACCE to 5 Years by SYNTAX Score Tercile

LM Subset-High Scores (≥33)



Complexity matters Experience matters

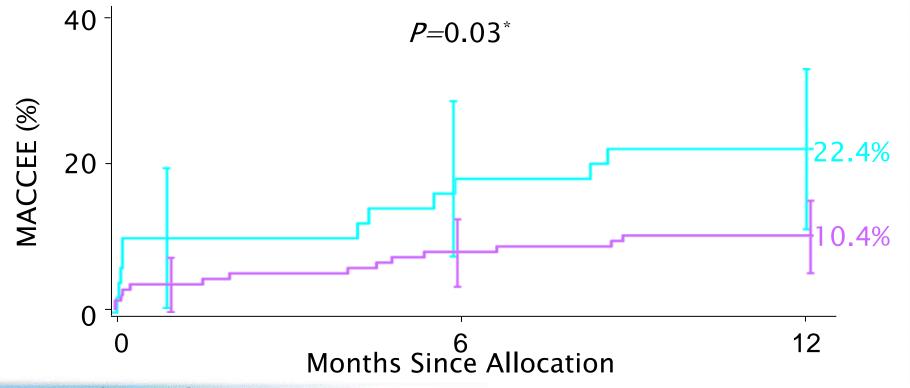
Syntax: 12-month MACCE Rate



 Complexity matters
 Experience matters
 One stent when we can (two stents when needed)

Syntax-Distal LM Subset

Provisional T-stenting (n=135) 2-stent strategy (n=49)



What about EXCEL?

Surgery vs PCI with 2nd generation stent (Xience)

1905 patients with LM disease

Syntax score < 32

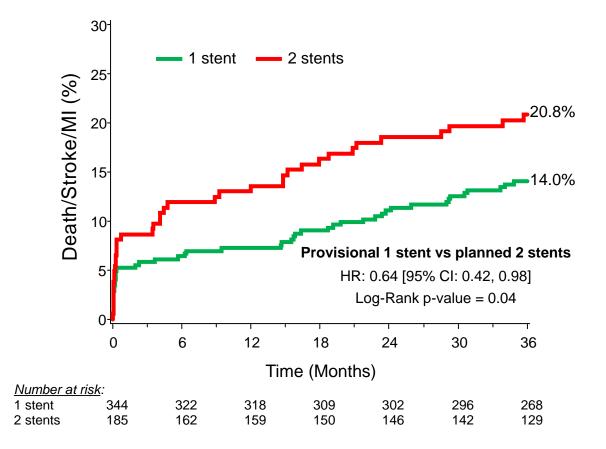
PCI recommandations (provisional, FFR, IVUS, complete ...)

CABG recommandations (arterial conduits, complete ...)

Primary endpoint: Death, MI, stroke at a median of 3 years **Non inferiority was met**

Complexity matters Experience matters One stent when we can (two stents when needed)

Death, MI, or Stroke Through 3 Years



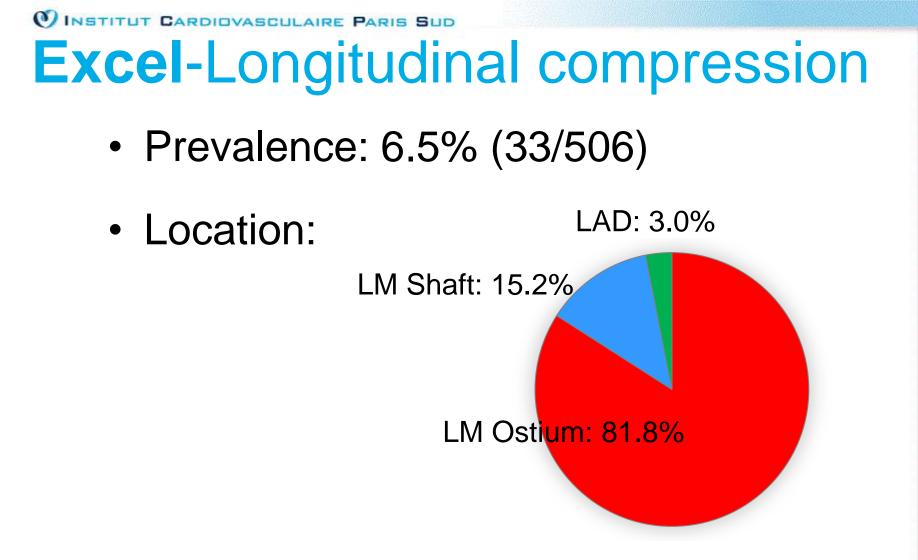
Kandzari et al. TCT 2017

EXCEL Multivariable Predictors of 3-Year Clinical Events

Death, MI, or Stroke at 3 Years

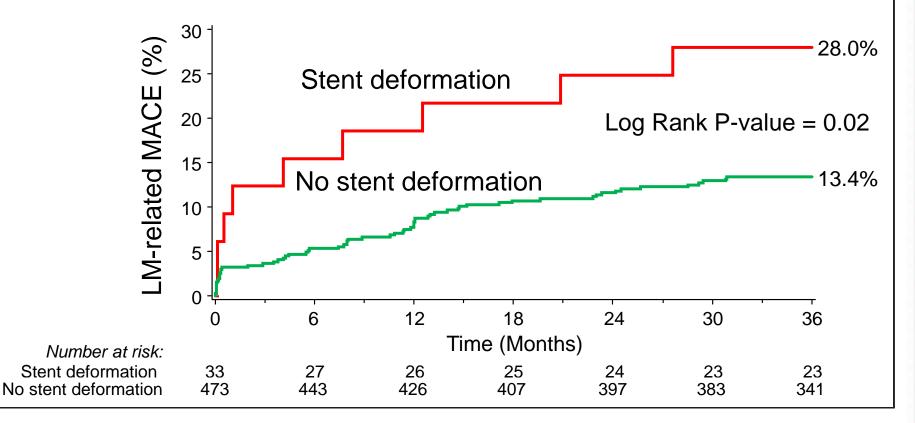
Variable	Hazard Ratio, 95% CI	P Value
Planned provisional vs 2 stents	0.55 [0.35 - 0.87]	0.005
Age (per year)	1.04 [1.01 - 1.07]	0.006
Male	0.61 [0.37 – 1.01]	0.056

Complexity matters Experience matters One stent when we can (two stents when needed)



Song-Yi Kim et al. TCT 2017

Excel-Longitudinal compression



www.icps.com.fr

Song-Yi Kim et al. TCT 2017

What about DK crush V ?

482 patients with true bifurcation LM disease (111 or 011)DK crush vs provisional side branch stentingMainly 2nd generation stent XienceSystematic angiographic follow up at 13 months

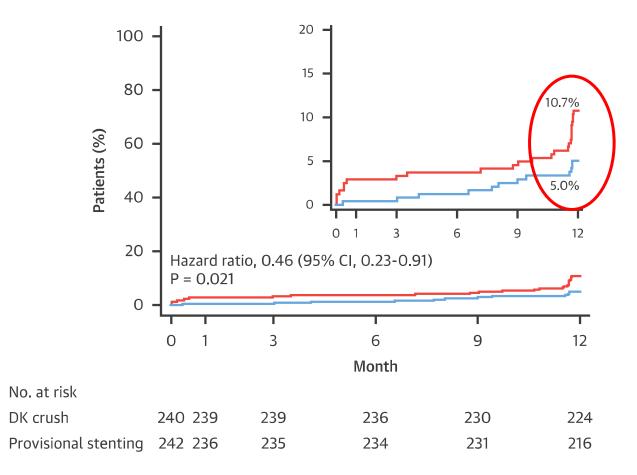
Primary endpoint: 12 months TLF (cardiac death, Target Vessel MI, target vessel revascularisation)

DK crush V

Visorsuboptimat provisonal approaches « Participating primary operators were required to 300 PCIs/year for 5 years, includin addition, each ope aPDK crush steering committee to ensure appropriate e before randomization commencing ». , Technique Hat resultion 40% SB stenting 42 redilatation 79.9 vs 99.6% DB < In the provisional group was 75%, dissection type suboptimal still present after KBI.

Chen et al. JACC 2017; 70(21):2605-17

DK crush V: Primary endpoint-TLF



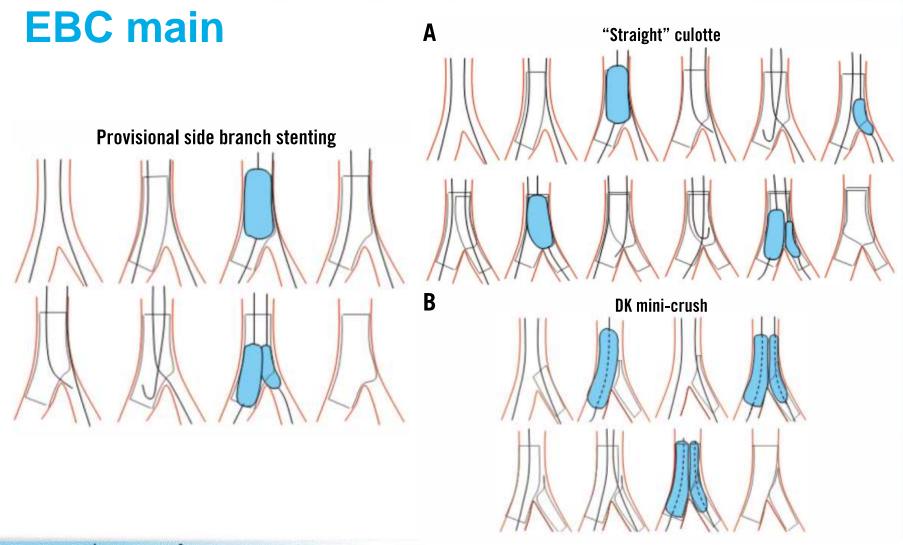
www.icps.com.fr

Chen et al. JACC 2017; 70(21):2605-17

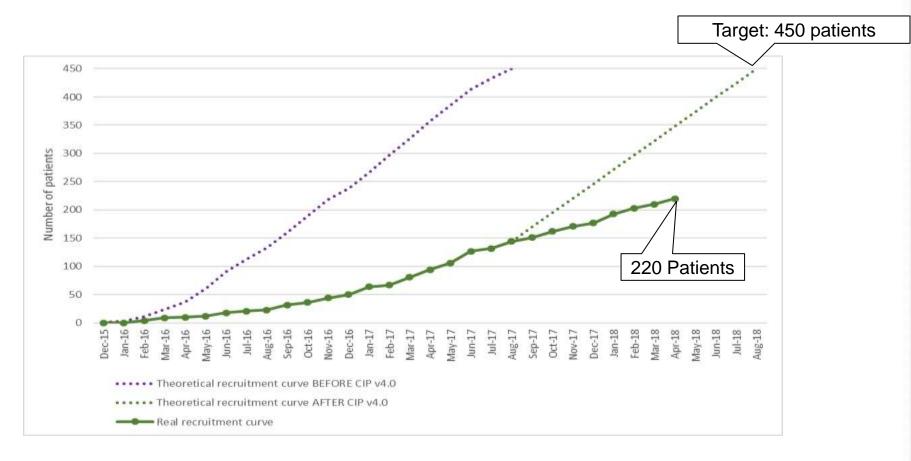
What about EBC main ?

450 patients with true bifurcation LM disease (111 or 011)
Provisional side branch stenting vs 2 stents technique
2nd generation stent Onyx
No systematic angiographic follow up

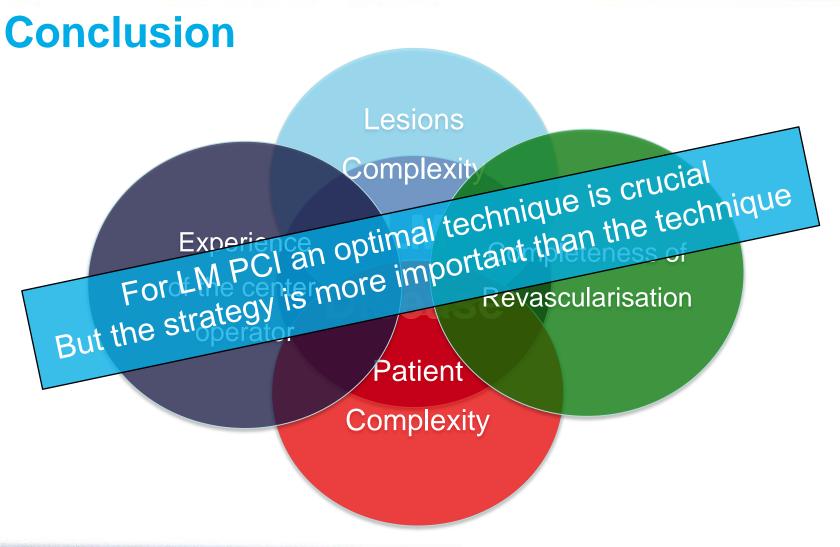
Primary endpoint: Death, MI, TLR at 12 months



EBC main



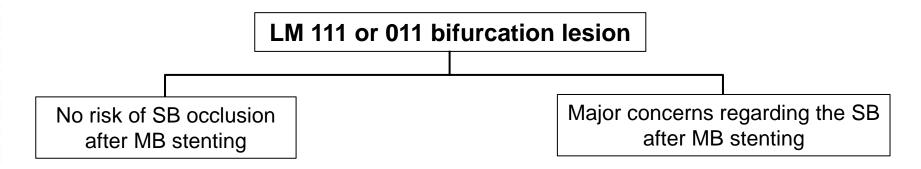




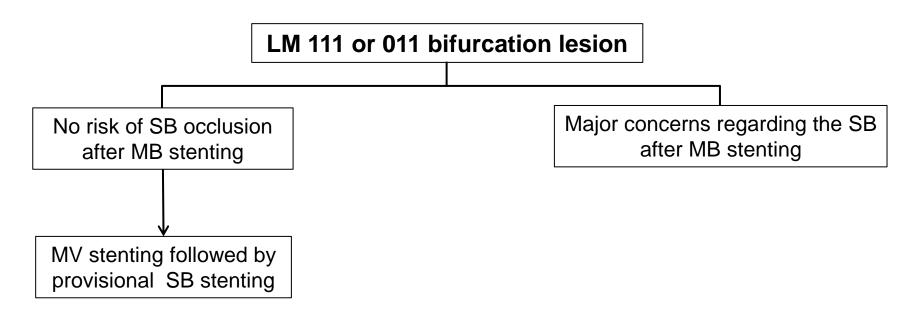
Technical options for "true LM bifurcation lesions"

LM 111 or 011 bifurcation lesion

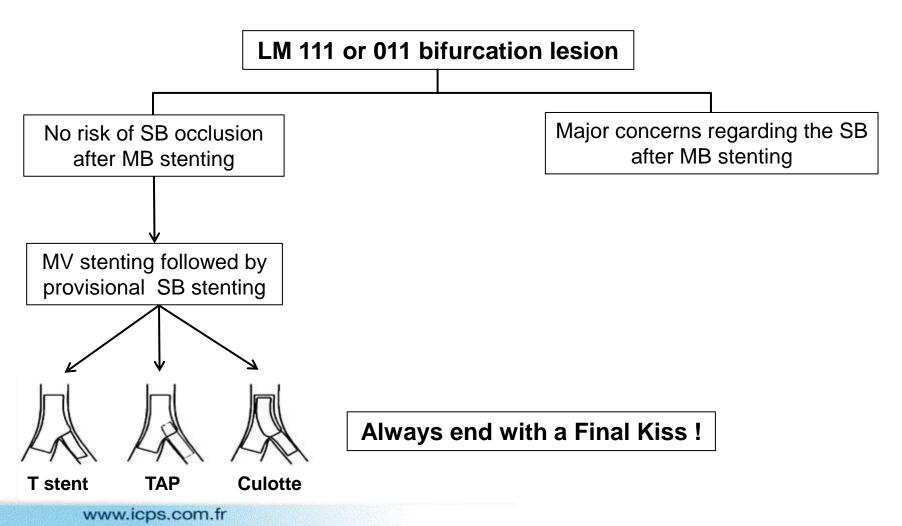
Technical options for "true LM bifurcation lesions"



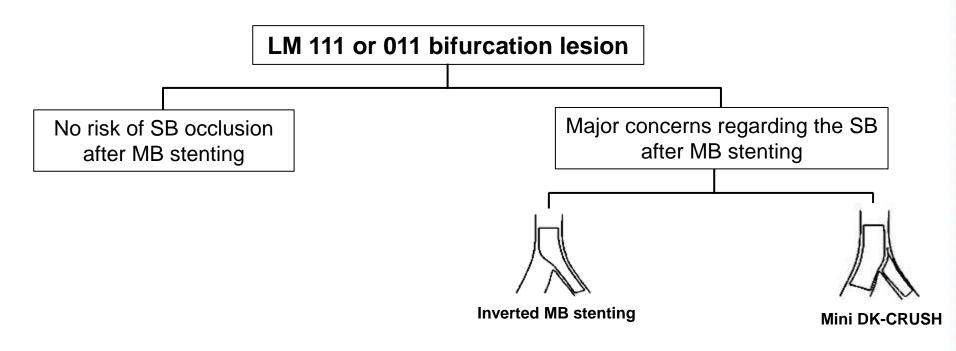
Technical options for "true LM bifurcation lesions"



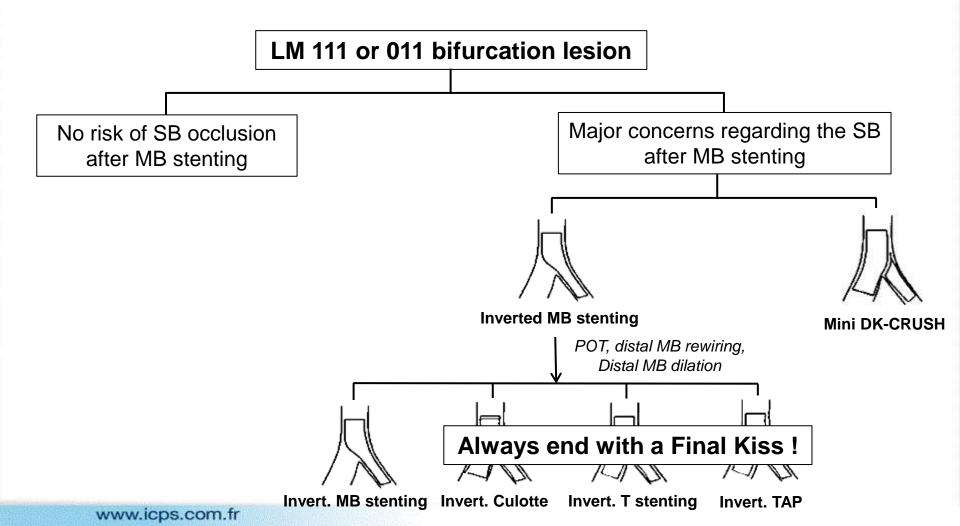
Technical options for "true LM bifurcation lesions"



Technical options for "true LM bifurcation lesions"



Technical options for "true LM bifurcation lesions"



Back-up Slides

Provisional approach

