

**Left main bifurcation PCI:
Similarity and difference between
DKCRUSH-V vs. EBC Main**

Shao-Liang Chen, MD

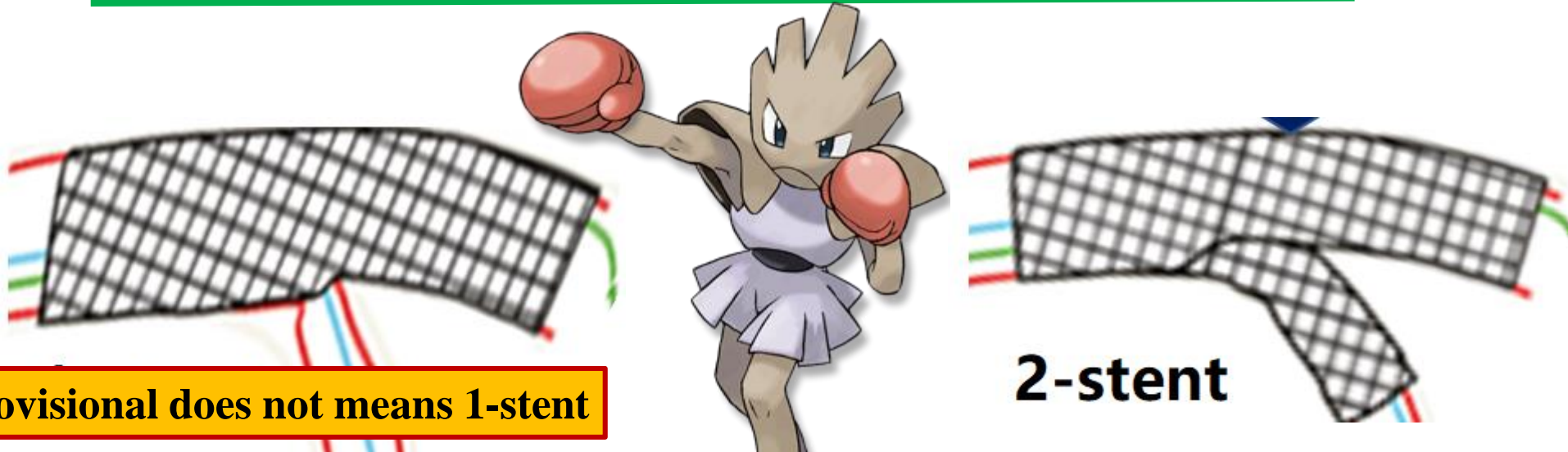
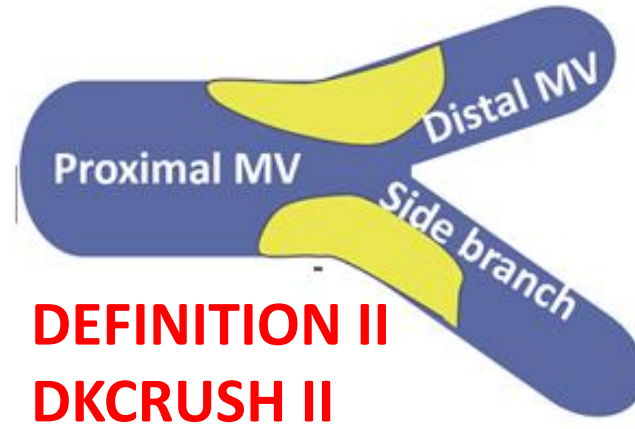
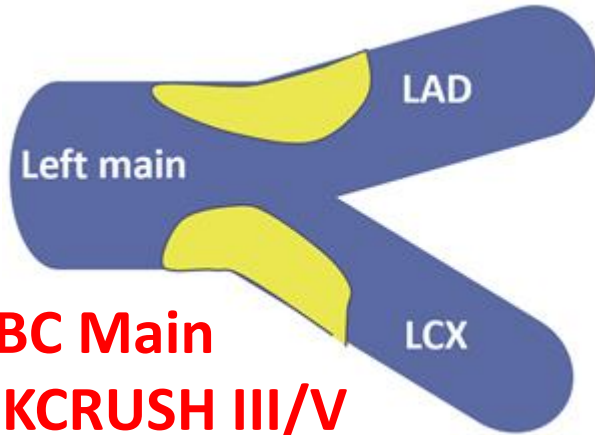
Nanjing First Hospital

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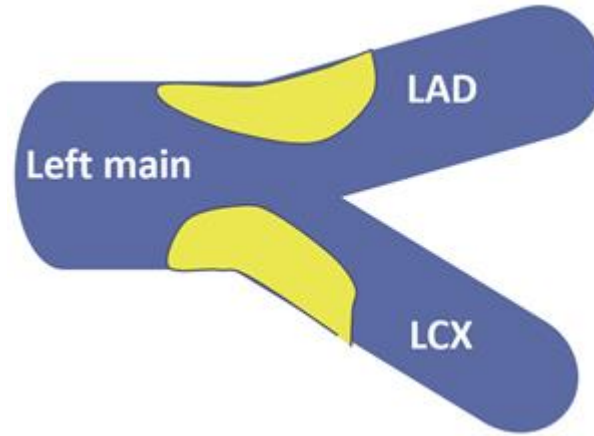
I, Dr. Shao-Liang Chen, have nothing to disclose

Objectives of clinical trials



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EBC Main



DKCRUSH III

**Provisional
stenting**



**Two-stent
techniques**

Study inclusion criteria

	EBC Main	DKCRUSH V
Sample size	Estimated 450, Finally 467	Estimated 484; finally 482
SYNTAX scores	<32 scores	No limit
AMI	>72 h	>24 h
CTO	Excluded	Included after opened
Two-stent	T/TAP, culotte, or DK crush	DK crush
Exact two-stent	Culotte: 53%; TAP: 33% DK crush:5%	DK crush: 100%
Primary endpoint at 1-year	Death , MI, TLR; Superiority design	Cardiac death , TVMI, TLR; Superiority design

Assumption and lesions specificities

	EBC Main	DKCRUSH V
Primary endpoint at 1-year	25% in two-stent group 14% in provisional group	14% in provisional group 7% in DK crush group
SYNTAX scores	23 scores	31 scores
No.PCI yearly/PI	>150/per operator	>300/per operator, ≥20 LM-PCI
SB lesion length	7 mm	16 mm
Lesion types	Medina 111/011	Medina 111/011
Complexity	Not classified	Complex bifurcations in 31.5%

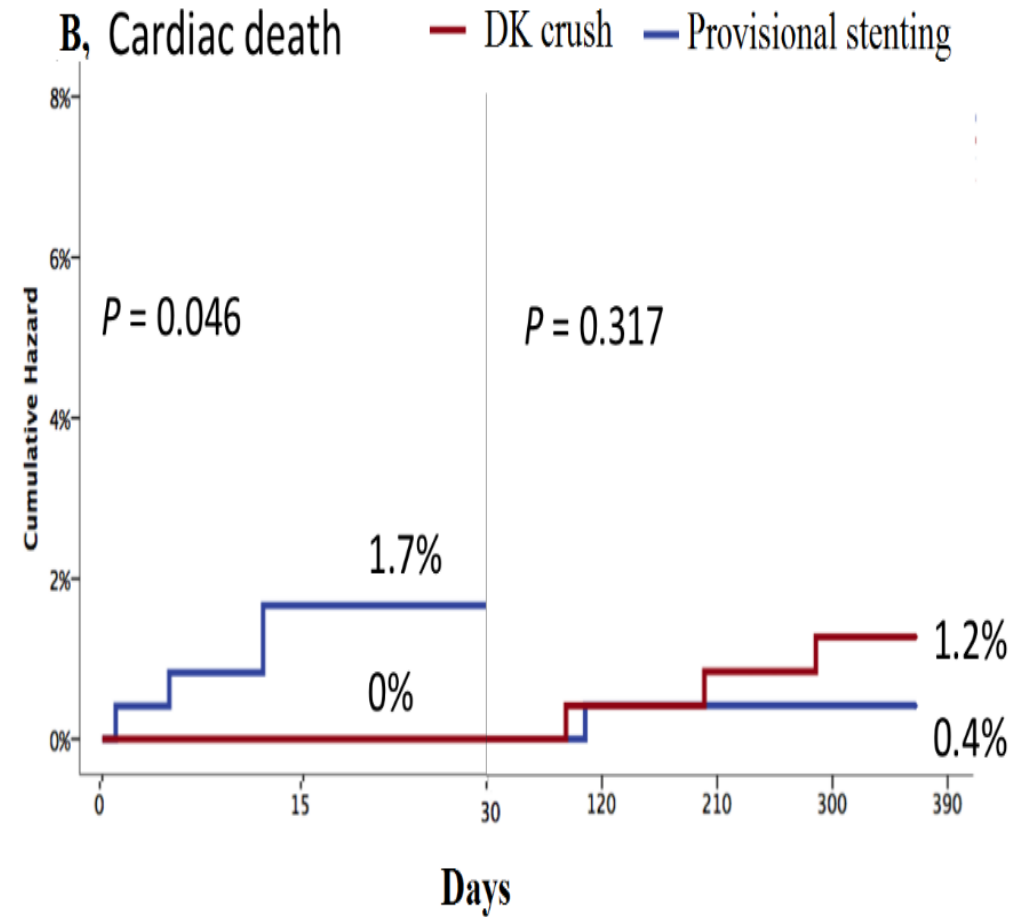
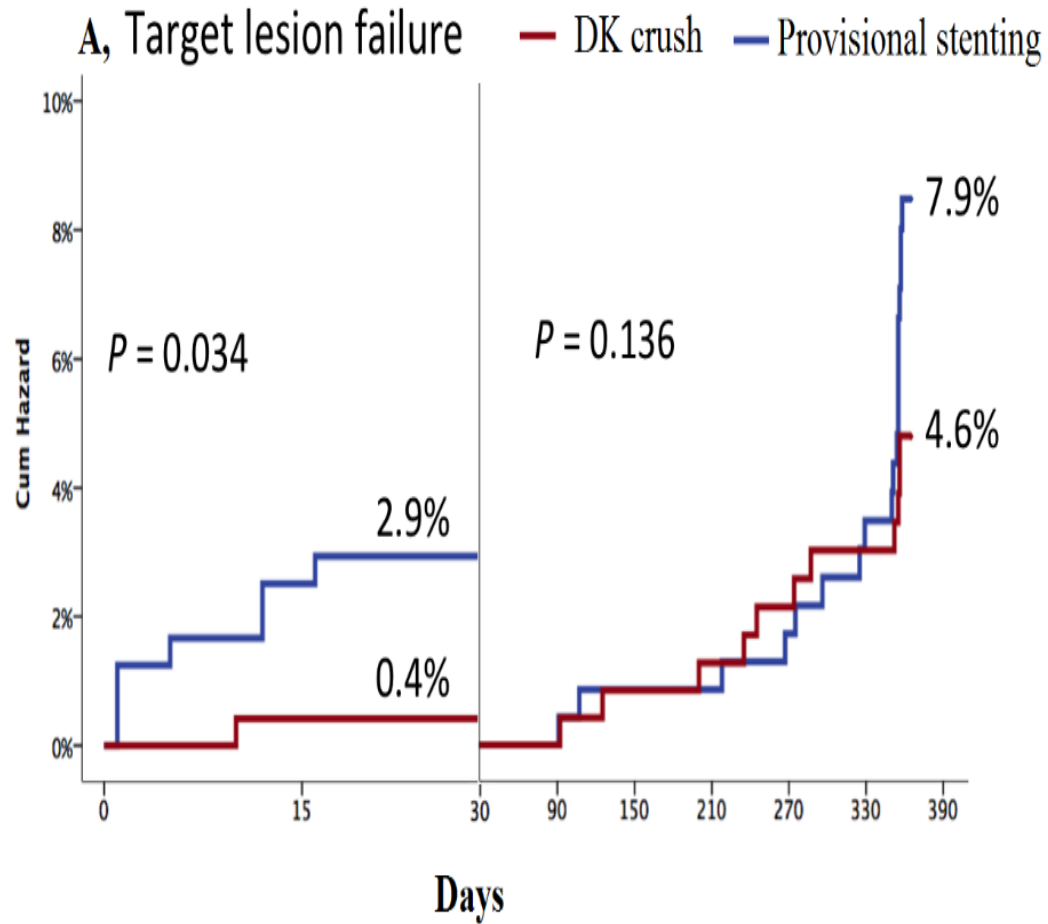
✓ SCAI definition of PMI was used in EBC MAIN, but CK-MB increase >5-10 times was applied in the DKCRUSH V study

Procedures and outcome

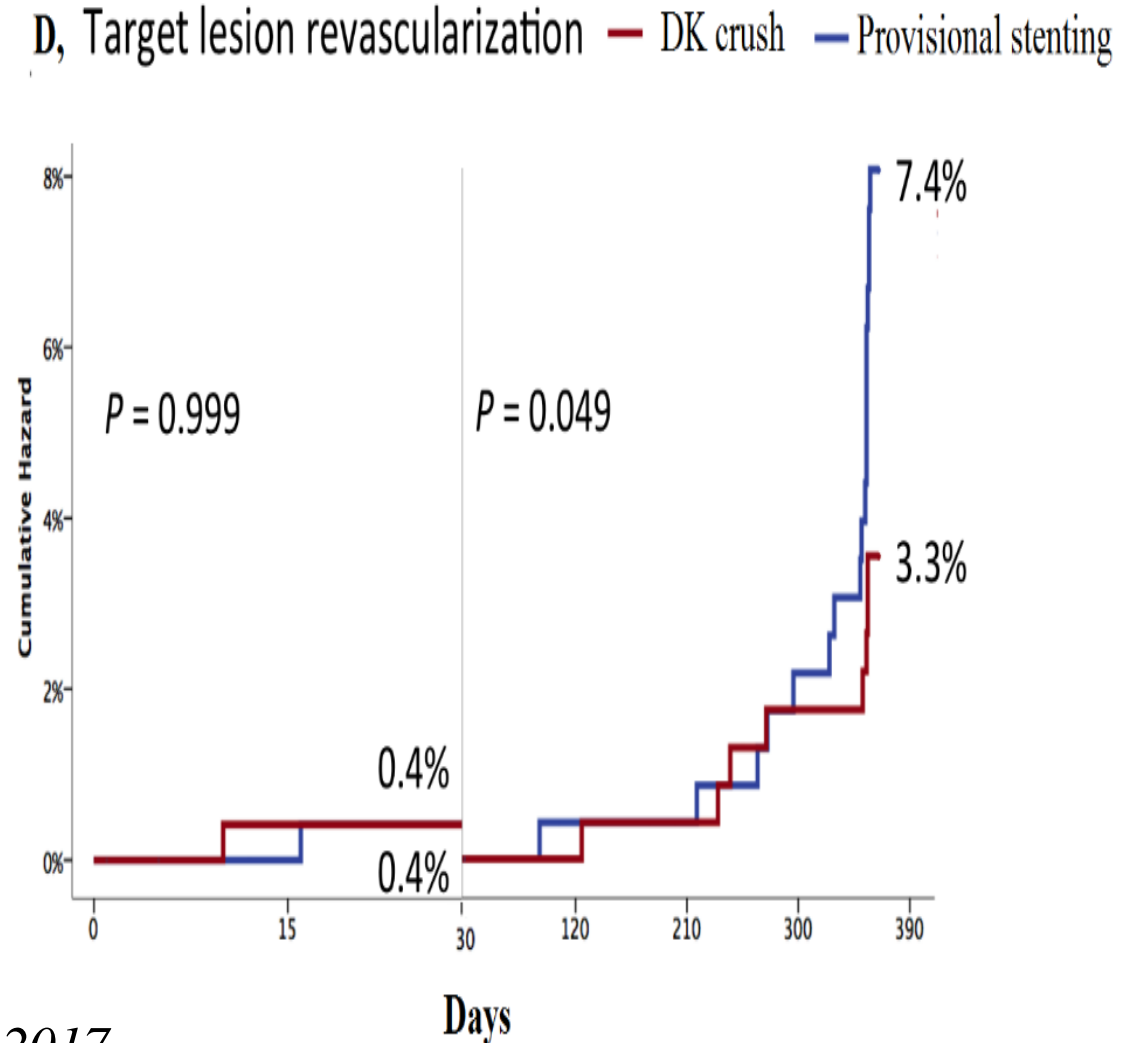
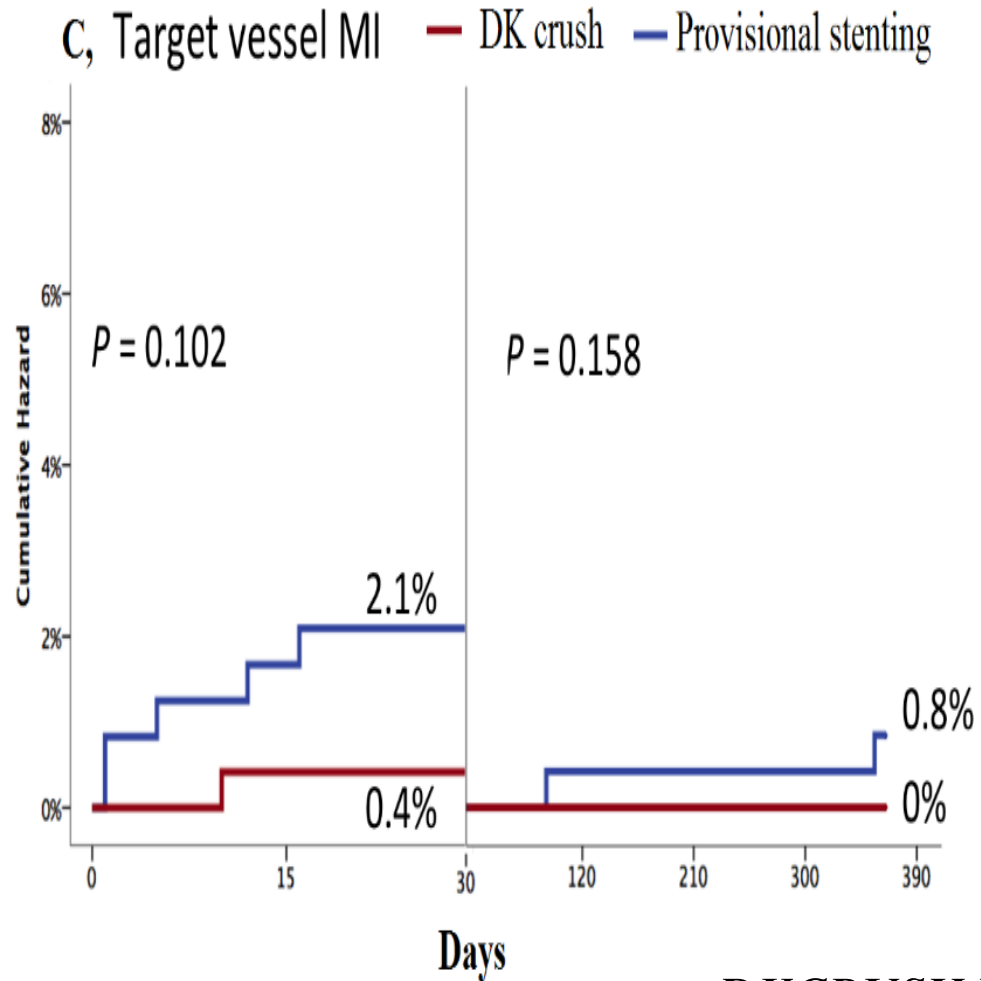
		EBC Main		DKCRUSH V	
Cross-over to 2-stent		22%		41%	
Reasons for treating SB		TIMI<3, >A dissection, >90% compromise		TIMI <3, >A dissection, >75% compromise	
IVUS use		40%		41%	
Endpoints		Provisional	Two-stent	Provisional	DK crush
Primary		14.7%	17.7%	10.7%	5.0%
Secondary	Death	3%	4.2%	CD: 2.1%	1.2%
	MI	10%	10.1%	TVMI:2.9%	0.4%
	TLR	6.1%	9.3%	7.9%	3.8%
	ST	1.7%	1.3%	3.3%	0.4%

EBC MAIN, Eur Heart J 2021; DKCRUSH V, JACC 2017

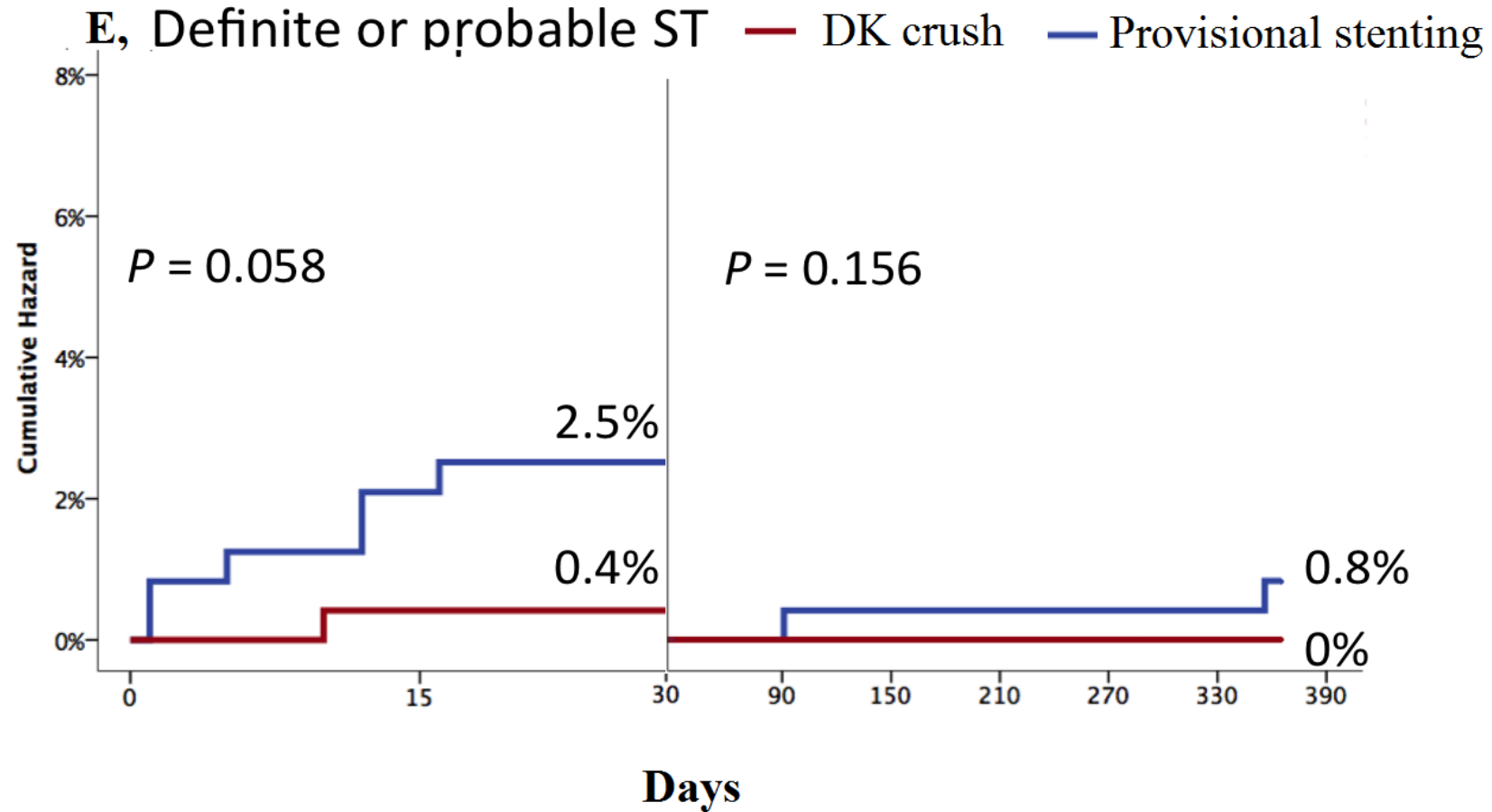
Landmark analysis of DKCRUSH V trial



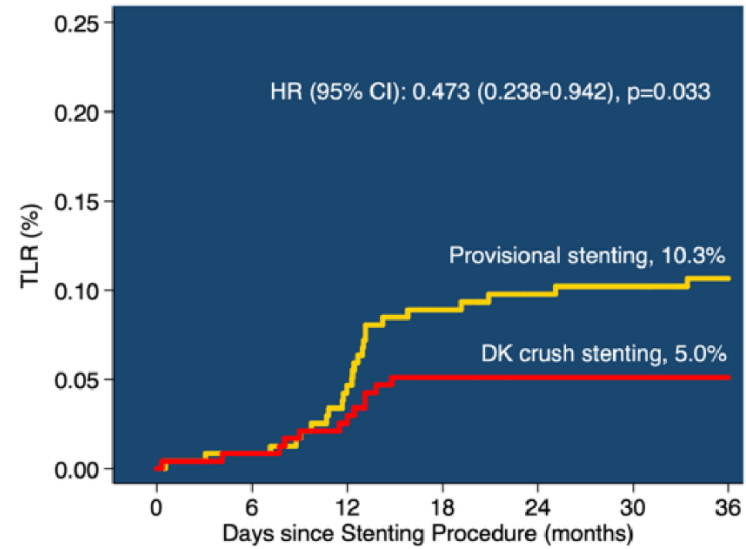
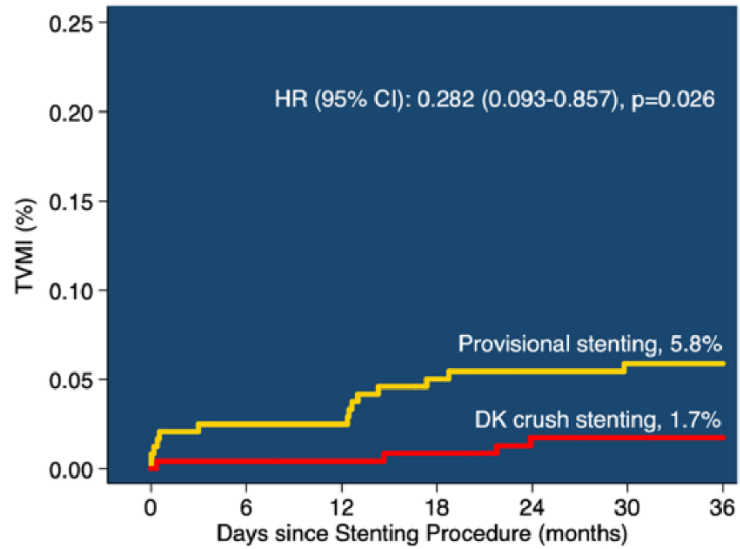
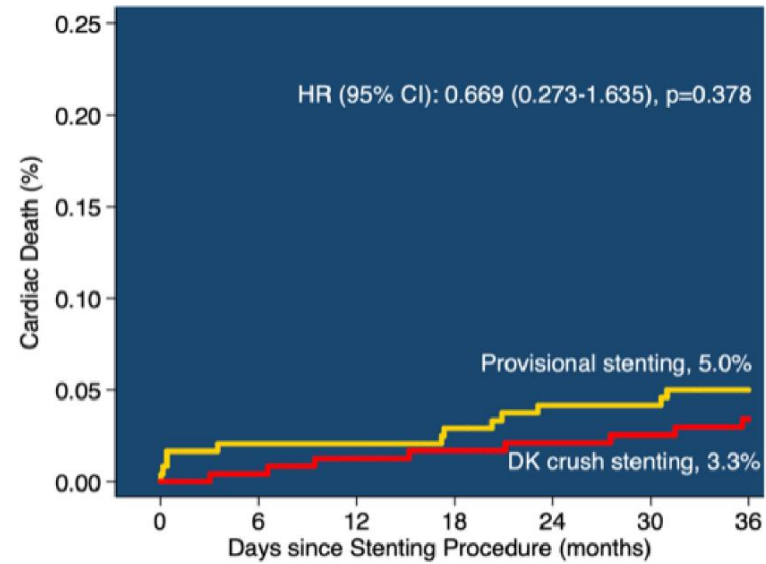
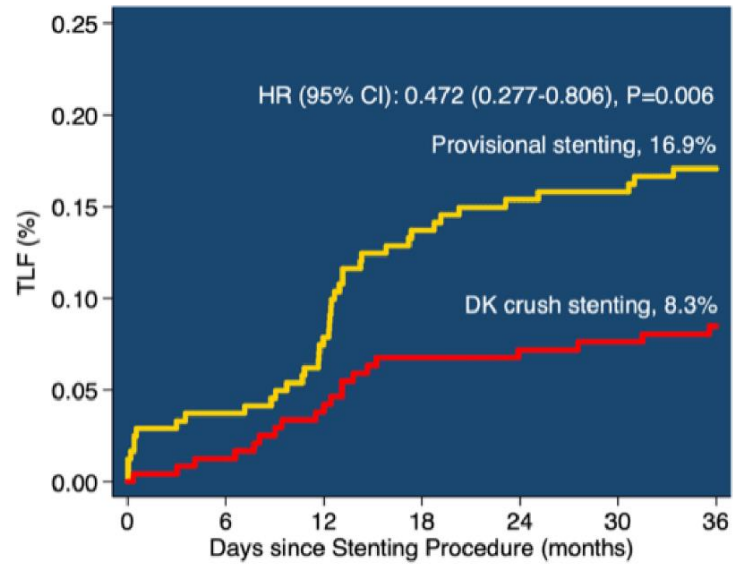
Landmark analysis of DKCRUSH V trial



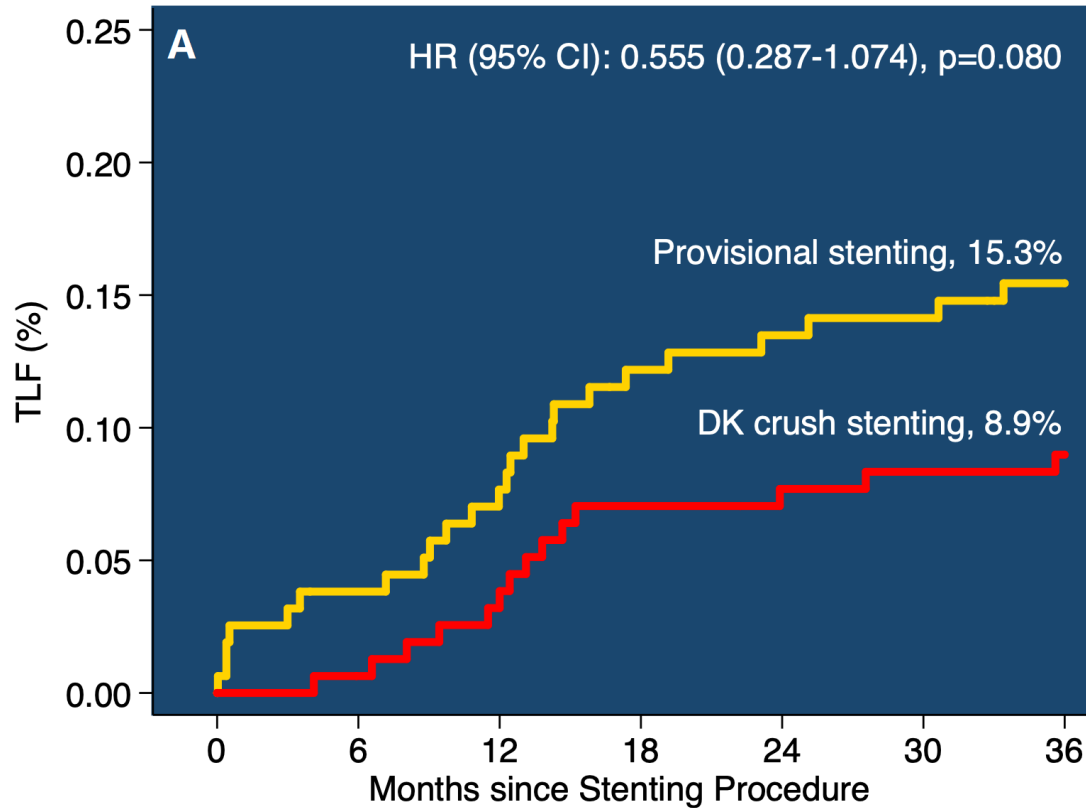
Landmark analysis of DKCRUSH V trial



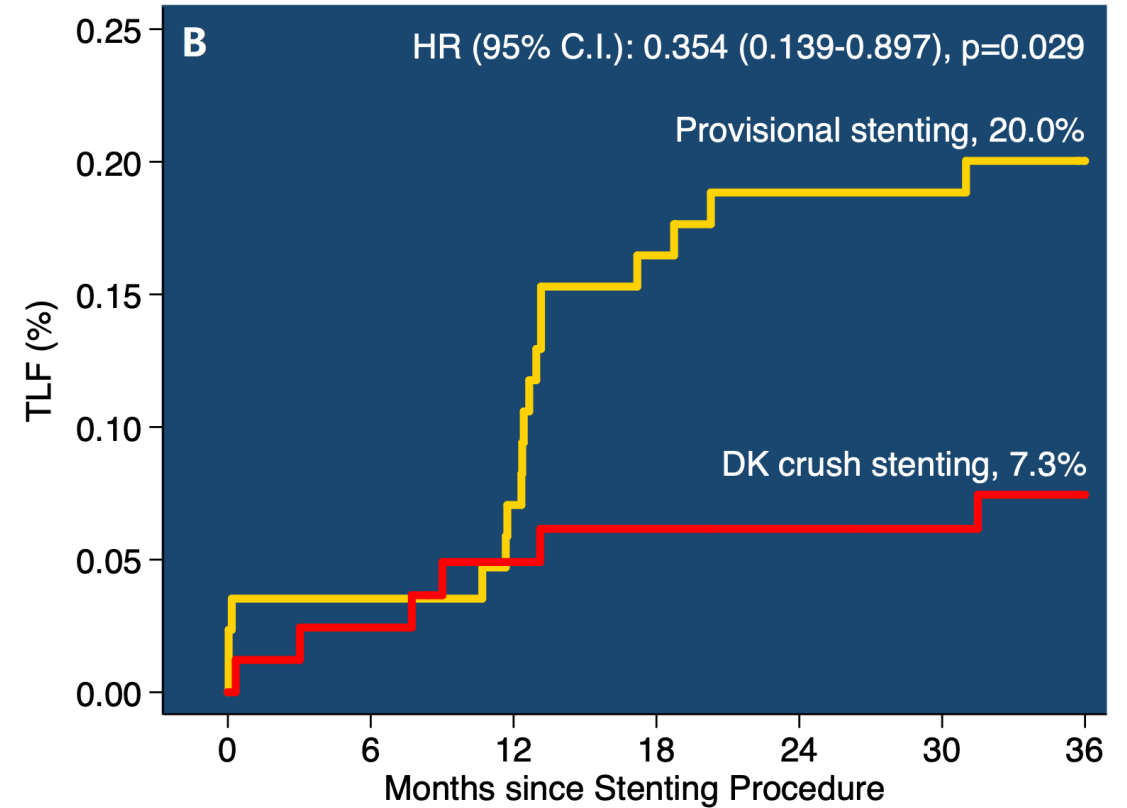
3-year clinical results



Stratified by lesion's complexity—DEFINITION criteria

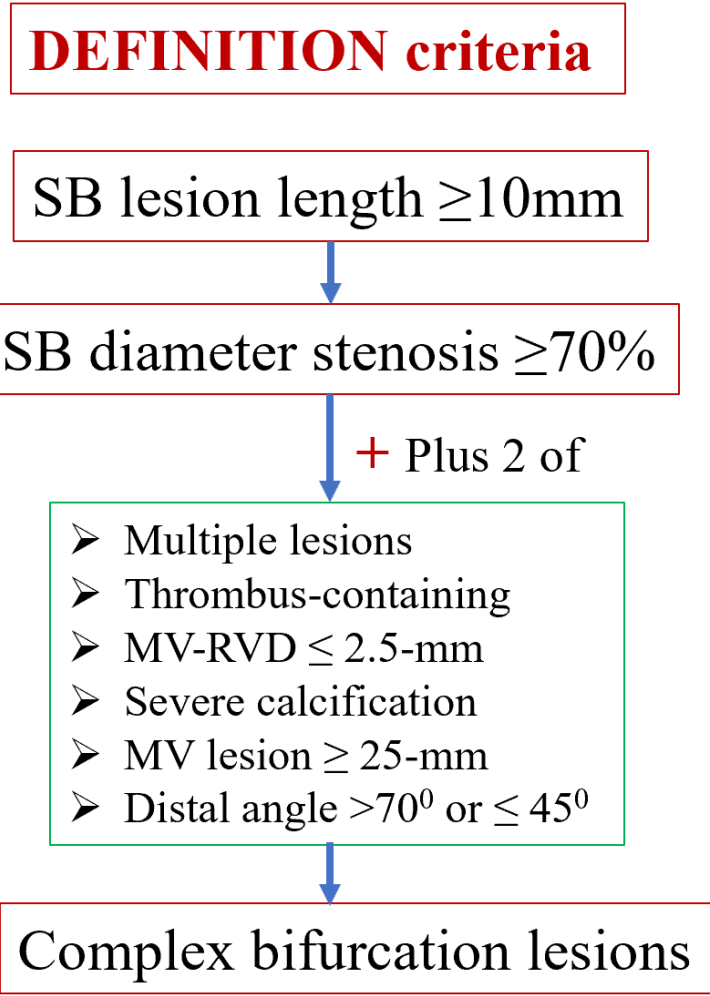
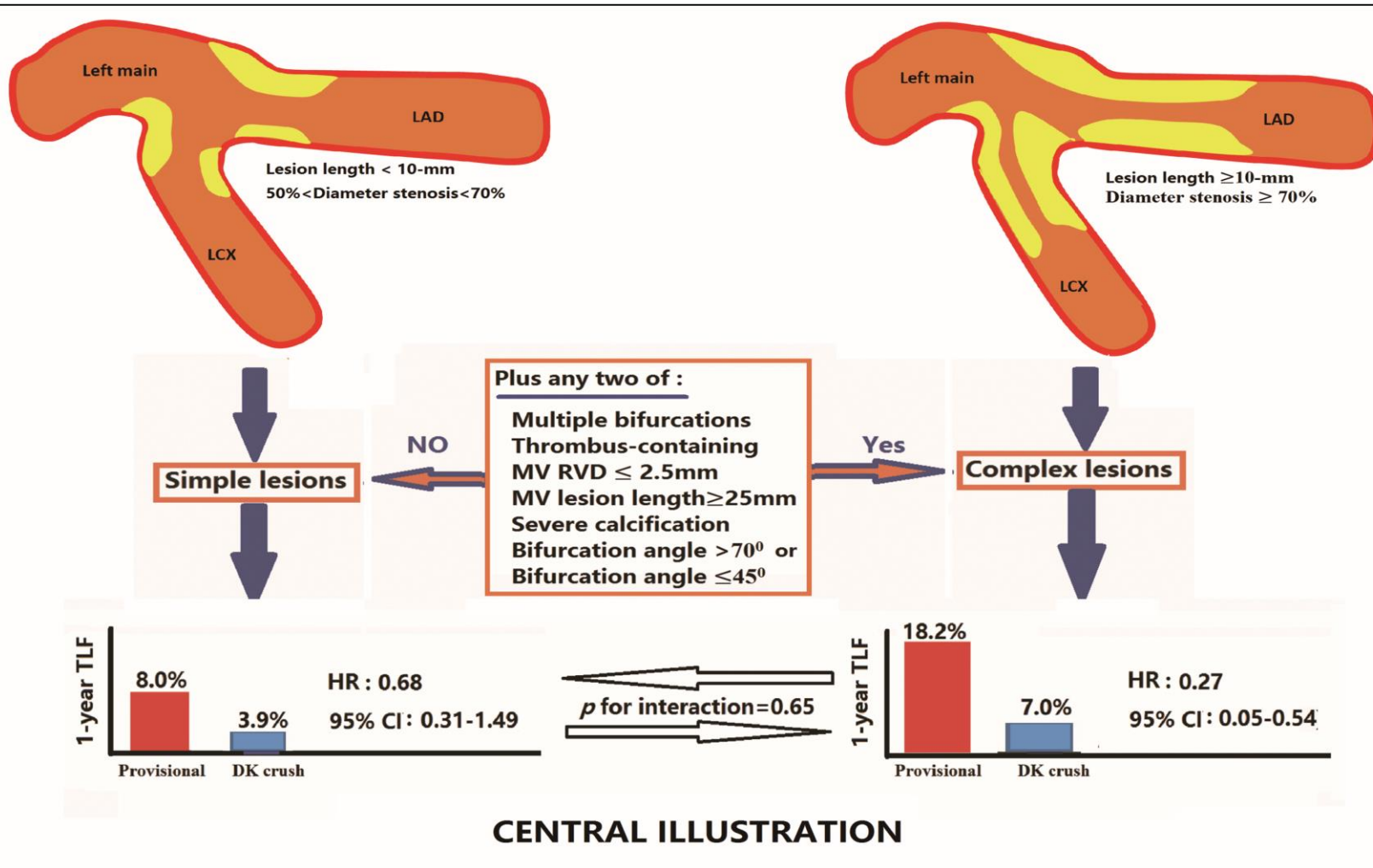


Simple lesions



Complex lesions

Similarity between EBC Main and DKCRUSH V



Thanks for your attention!