1-year Clinical Results of The DEBATE-BTK SHOCK TRIAL

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Disclosure

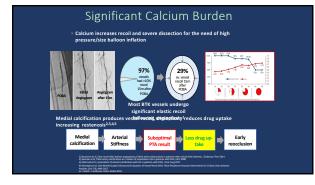
- Speaker name: Francesco Liistro
- Employment in industry
 Stockholder of a healthcare company

Reduce immediate recoil Allows complete vessel

Applicable in BTA arteries

dilatation

No tissue demage No distal particles embolization Applicable in subintimal recanalization

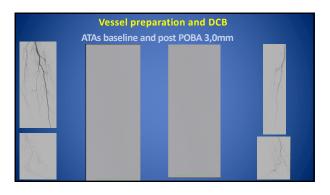


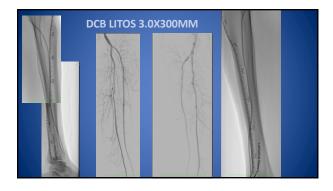
Why IVL for peripheral interventions?

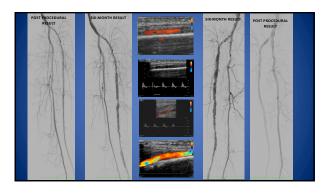
Optimal Balloon Angioplasty Drug elution strategy

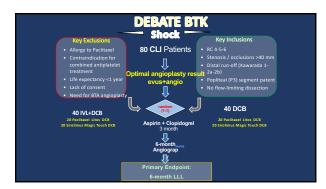
 Increase drug penetration into the vessel wall Increased drug storage and effect











Baseline Clinical Characteristics				
	DCB	DCB+IVL	P value	
Patient	44	41		
Male	33 (75)	38 (92)	0.03	
Age	76.3±8.6	75.9±6.6	.5	
Previous MI	18 (41)	12 (30)	.2	
Previous stroke	5 (11)	3 (7)	.4	
Diabetes	40 (91)	39 (95)	.4	
Ever smoked	18 (41)	14 (35)	.1	
Hypercholesterolemia	33 (75)	29 (71)	.4	
Hypertension	39 (88)	36 (88)	.6	
GFR<50ml/min	27 (61)	21 (52)	.3	
Rutherford Classification				
4	5(11)	5(12)	.9	
5	29(66)	28(68)	.9	
6	10(22)	8(20)	.9	

	DCB	IVL+DCB	P value
Patients	44	41	
Baseline Inflow lesion			
SFA	12(27)	9(22)	.8
Popliteal	8(18)	6(15)	.6
BTK baseline occlusion			
TPT-peroneal	23(52)	12(30)	0.03
PTA	32(72)	30(75)	.5
ATA	36(81)	32(80)	.5
Culprit vessel			
ATA	25(57)	29(71)	.04
PTA	11(25)	7(18)	.1
TPT-Peroneal	8(18)	5(12)	.2

Procedural data					
	DCB	IVL+DCB			
Lesion	44	41			
De Novo Lesions	28(64)	31(77)	.2		
Mean Length	258-56	249-62	.2		
Baseline occlusion	32(73)	31(77)	.4		
RVD	3.0+0.29	3.1-0.22	.3		
MLD	0.10+0.23	0.15+0.29	.6		
DCB diameter	3.1+0.29	3.1+0.49	.5		
DCB length	282-95	274-96	.5		
Sirolimus DCB	21	22			

1-Year Clinical Outcome					
	DCB (44)	DCB + IVL (41)			
Death	4(9)	8(19)	.3		
TLR	6 (14)	7 (17)	.5		
Major amputation	0 (-)	0 (-)	-		
Re-angiography	42/44 (95%)	35/41 (85%)			
Occlusive Restenosis	5/40(12)	9/35 (25)	.1		

Conclusion

- ✓ The DEBATE BTK SHOCK tests the hypothesis if IVL increases drug efficacy in combination therapy with DCB
 ✓ The popultion enrolled is complex with long lesion and high rate of basal occlusion as in « real world» scenario
- ✓ No significant difference in TLR but reocclusion was numerically higher in IVL group
- ✓ The endpoint of LLL is the most sensible to catch a signal and decide to go further with a dedicated RCT