

T.I.N.T.I.N. trial: Final 12-month data with the combination of Luminor DCB + iVolution stent in TASC C and D lesions



Koen Deloose, MD
Head Dept Vascular Surgery
AZ Sint Blasius
Dendermonde, Belgium



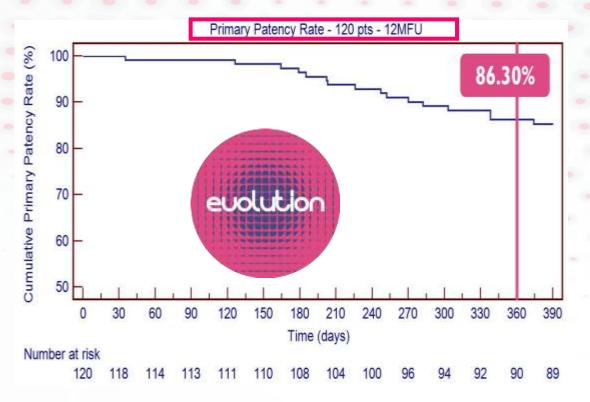
Disclosure slide

Speaker name: Koen Deloose, MD

- ☐ I have the following potential conflicts of interest to report:
 - Consulting: Abbott, BD, Biotronik, Boston Scientific, Cook, CTI vascular, iVascular, Medtronic, Philips, Terumo, CyndRX, Profusa
 - Employment in industry
 - ☐ Stockholder of a healthcare company
 - ☐ Owner of a healthcare company
 - ☐ Other(s)
- ☐ I do not have any potential conflict of interest

EVOLUTION trial

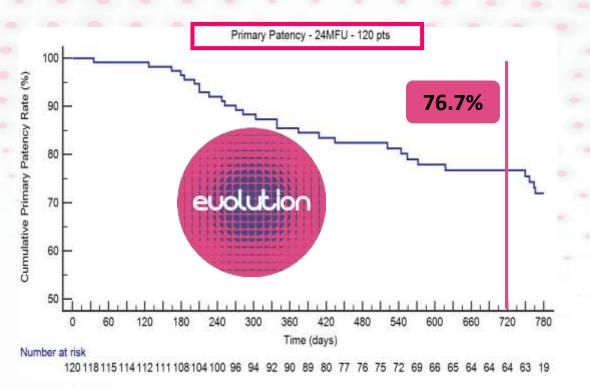
A Prospective, non-randomized, multi center study investigating the Efficacy of the Self-Expanding iVolution nitinol stent for treatment of femoropopliteal lesions; mll 8,9cm

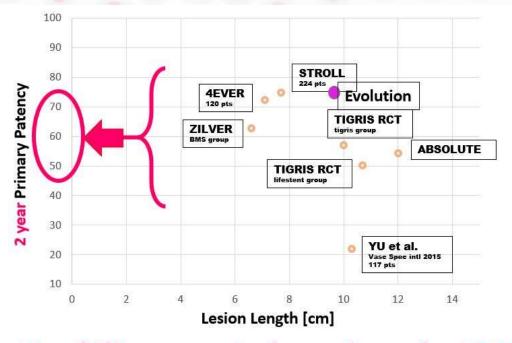




EVOLUTION trial

A Prospective, non-randomized, multi center study investigating the Efficacy of the Self-Expanding iVolution nitinol stent for treatment of femoropopliteal lesions; mll 8,9cm





Durability seems to be an issue for BMS



EFFPAC trial

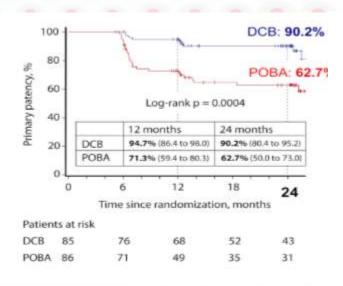
Primary patency: Freedom from restenosis

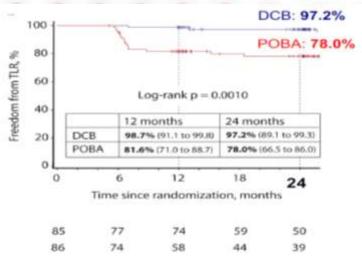
freedom from TLR

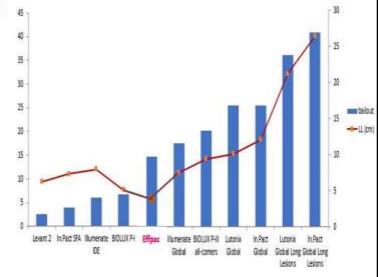
(determined by duplex

ultrasound PSVR < 2.5) and

Multicenter Randomized Controlled Trial to Assess the Effectiveness of Paclitaxel-coated Luminor® Balloon Catheter (85) versus Uncoated **Balloon Catheter (86) in the Superficial Femoral and Popliteal Arteries** to PreventVessel Restenosis or Reocclusion; mll 5,9cm







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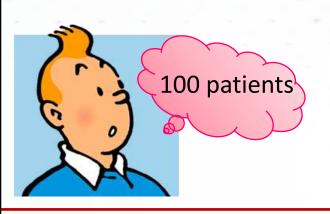
What about Luminor-iVolution combination.

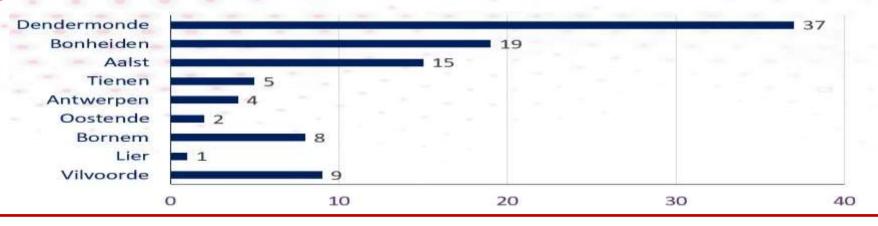


- *PROVEN SCAFFOLD
- *NEED FOR REAL LIFE LESIONS
- *IMPROVEMENT LONGER TERM DATA



Physician-initiated trial investigating the safety and efficacy of the <u>Treatment</u> with the Lum<u>IN</u>or DCB (0,018/0,035) & <u>The Ivolutio</u>N stent of iVascular in <u>TASC C and D</u> <u>femoropopliteal lesions</u>





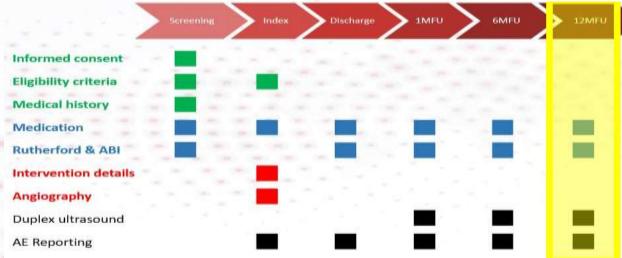


Primary Endpoint

Freedom from CD-TLR @ 12 months

Secondary Endpoints

- Primary patency @6-12 months(DUS PSVR<2,5)
- Technical success (angiographical RS<30%)
- Freedom from CD-TLR @6-12 months
- Clinical success: improvement of RB classification
- Serious adverse events @30 days
- Survival @ 6 & 12 months



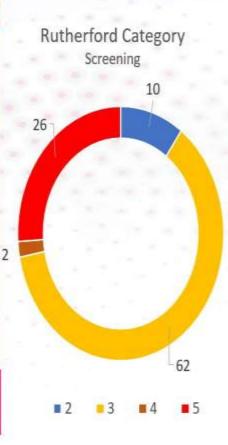
- Rutherford 2 5
- De novo,post PTA
- TASC II C or D
- TLL ≥ 150mm
- >50% stenosis
- 4mm < Ø < 6,5mm
- 1 vessel Patent run-off

- Stent Presence in TL
- Untreatable inflow lesion
- Previous surgery in TV
- Aneurysm in SFA or PA
- Major amputation
- Debulking technologies



PATIENT DEMOGRAPHICS

	N = 100 out of 100	
Male (%)	67 (67%)	
Age (min-max ± SD)	73,47 (53 - 92 ± 9,37)	
Nicotine (%)	48 (48%)	
Hypertension (%)	73 (73%)	
Diabetes (%)	37 (37%)	
Renal insufficiency (%)	13 (13%)	
Hypercholesterolemia (%)	63 (63%)	
Obesity (%)	32 (32%)	
Previous PAD (%)	40 (40%)	
Claudicant (%)	72 (72%)	
CLI patient (%)	28 (28%)	



LESION CHARACTERISTICS

	N = 100 out of 100
Lesion length (min-max ± SD)	242,65mm (150mm - 450mm ± 73.72mm)
Reference vessel diameter (min-max ± SD)	5,50mm (5mm - 6mm ± 0.48mm)
Degree of stenosis (min-max ± SD)	93.93% (70% - 100% ± 8.83%)
Occlusion (%)	60% (60%)
Calcified lesion (moderate – severe) (%)	73% (73%)
TASC II C lesion (%)	62% (62%)
TASC II D lesion (%)	38% (38%)





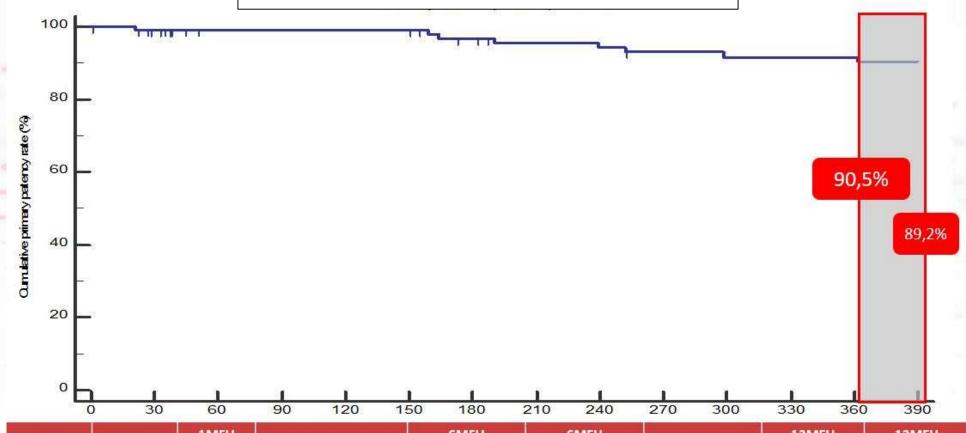
PROCEDURAL CHARACTERISTICS

	N = 100 out of 100
Procedure time (min-max ± SD)	69.3min (25min – 170min ± 27.4min)
Scopy time (min-max ± SD)	17.5min (5min – 51min ± 11.1min)
Contrast (min-max ± SD)	92,6ml (20ml – 200ml ± 36.2%)
Femoral access (%)	100% (100%)
Cross-over performed (%)	77% (77%)
Inflow lesion (%)	14% (14%)
Outflow lesion (%)	21% (21%)
Predilatation performed (%)	88 (88%)
Diameter predilatation balloon (min-max ± SD)	4.62mm (3mm - 6mm ± 0.68mm)
Length predilatation balloon (min-max ± SD)	156.53mm (40mm – 220mm ± 42.95mm)

	N = 100 out of 1	00
Mean # Luminors used per procedure	1.82 (1 – 4 ± 0.73)	
Luminor 18 - 35		Total
	Luminor-18	106 (58%)
	Luminor-35	76 (42%)
VD 5.50mm Mean # iVolutions used per	5.29mm (4mm – 6 1.84 (1 – 4 ± 0.69)	mm ± 0.46mm)
procedure Diameter iVolution (min-max ± SD)	5. 74mm (5mm – 7	mm ± 0.45mm)
Post-dilatation done	85	



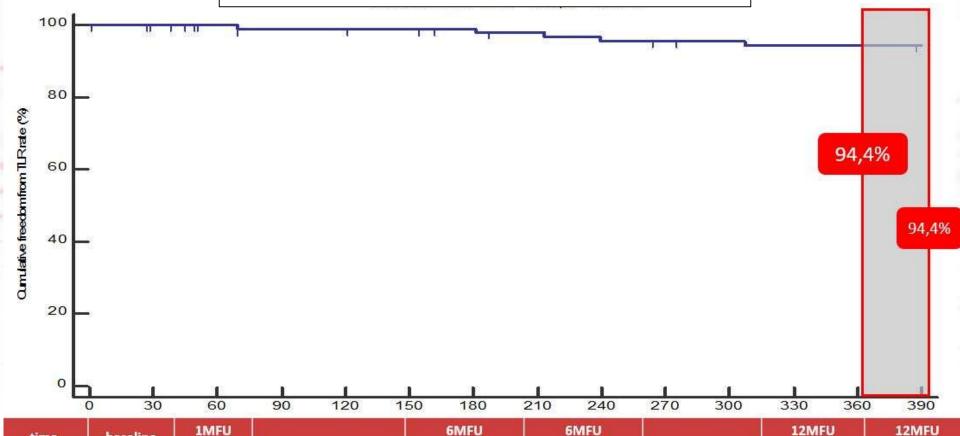
PRIMARY PATENCY @12M - 100 PT



time	baseline	1MFU (30 days)	6MFU (180 days)	6MFU (210 days)	12MFU (365 days)	12MFU (395 days)
at risk	100	93	81	78	73	4
%	100	99	96,5%	95,0%	90,5%	89,2%



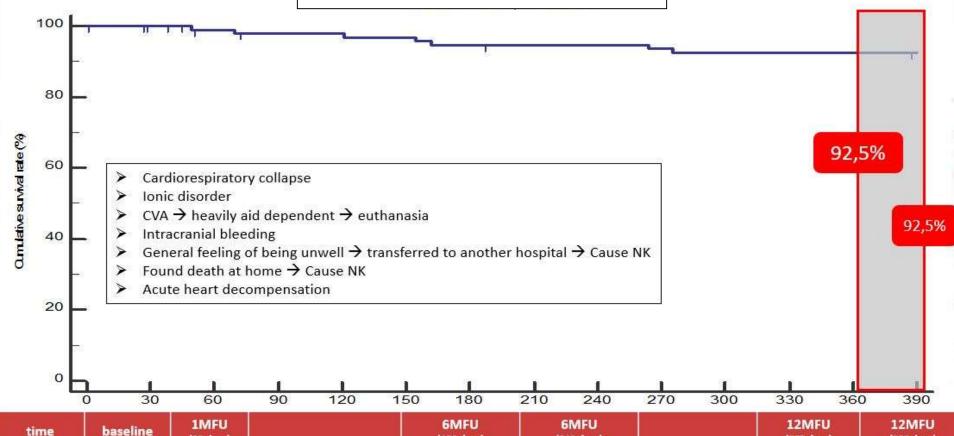
FREEDOM FROM TLR @12M - 100 PT



time	baseline	1MFU (30 days)	6MFU (180 days)	6MFU (210 days)	12MFU (365 days)	12MFU (395 days)
at risk	100	93	81	78	81	10
%	100	100%	98,9%	97,7%	94,4%	94,4%



SURVIVAL @12M - 100 PT



time	baseline	1MFU (30 days)	6MFU (180 days)	6MFU (210 days)	12MFU (365 days)	12MFU (395 days)
at risk	100	97	88	87	85	10
%	100	100%	94,6%	94,6%	92,5%	92,5%





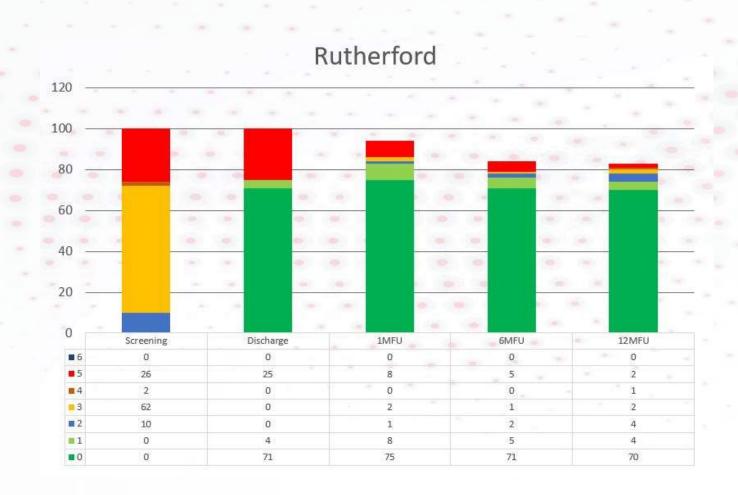
SAFETY PROFILE – 100 PT

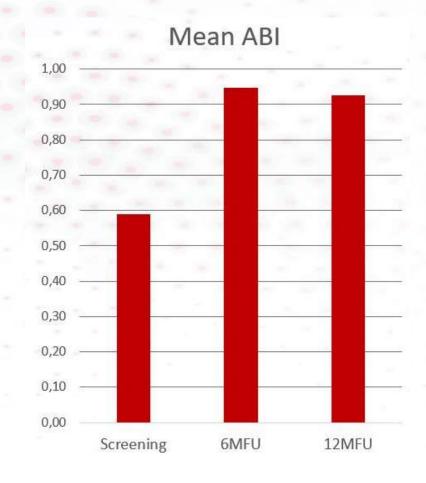
Primary safety endpoint (100 patients)	30 days
Device or procedure related death (N)	0
CD-TLR (N)	0
Target limb major amputation (N)	0

MAEs	180 days	210 days	365 days	395 days
Death (N)	5	5	7	7
CD-TLR (N)	1	2	5	5
Target limb major amputation (N)	0	0	0	0
Thrombosis (N)	1	1	1	1



CLINICAL OUTCOMES @12 M - 100 PT





Benchmarking with others







Summary

- iVolution BMS (iVascular) shows 76,7% primary patency rate and 77,2% freedom from TLR @2 year (Evolution trial) in TASC A/B lesions
- Luminor DCB (iVascular) shows 90,2% primary patency rate and 97,2% freedom from TLR @2year (Effpac trial) in TASC A/B lesions
- It is clear out of the literature that neither BMS nor DCB alone are winners in long, complex lesions & on the longer run
- The combination of both is one of the keys to success in real life lesion treatment
- Belgian T.I.N.T.I.N. trial shows impressive 12 months results in lesions of 24 cm and 30% CLI patients: primary patency of 90,5% and freedom from TLR of 94,4%. The safety profile up to 1 year is excellent
- Benchmarking of this combination with DES shows equivalent results, but in much longer lesions

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