

				eral Information				Baseline Pat	tient Demogr	aphics								Results					
Study Device(s)	Sample Size	e Study Design	MAE Definition	Primary Patency Definition	TLR Definition	Inclusion Criteria	Diabetic	Rutherford 3–5	СТО	Lesion Location	Period	MAE	Primary Patency (Per Protocol)	Primary Patency (Per Kaplan-	TLR	Stent Fracture Rate	Mean No. of Stents Implanted (± SD)	Range of No. of Stents Implanted	Mean Length of Lesion Stented (± SD)	Range Length of Lesion Stented	Core Lab (Was Echo and/ or Fluoroscopy Used in	Published In	Presented At
4EVER (Biotronik) Astron Pulsar/ Pulsar-18	120 patients	Multicenter, prospective registry			Clinical success at follow-up is defined as endovascular or surgical TLR in surviv- ing patients with preserved limb	Length of the target lesion is ≤ 20 cm by visual estimation and can be covered with one stent	65%	62.5%	22.8%	Femoropopliteal	12 months	3.3% access site	N/A	Meier) 81.4	10.7	Data expected September 2013	1.16	N/A	72.42 ± 47.81 mm	10-200	Follow-Up?) Duplex	Pending publication	CIRSE 2012
Absolute Vienna (Medical University of	104 patients Single- N/A (stent 51; randomized RTA 53) N/A	N/A	Primary endpoint: Primary endpoint: angiographic restenosis at 6 months; secondary endpoint: binary restenosis rates	N/A	Symptomatic PAD with severe intermittent claudication (Rutherford class 3) or chronic CLI with either rest pain (Ruther-	43% (stent); 32% (PTA ± stent)	3: 88%; 4: 2%; 5: 10%	37% (stent) 32% (PTA ± stent)	; SFA	12 months	No major complica- tions	Binary restenosis rate: 36.7% (stent); 63.5% (PTA)	N/A	N/A	1.5%	N/A 57% 1 stent; 132 ± 71 mm (stent); N/A 27% 2 stents; 6% 3 stents; 8% 4 stents; 2% 5 stents	; N/A	Yes	Schillinger M, et al. N Engl J Med. 2006;354:1879— 1888	N/A			
Vienna [Austria] and Vienna General Hospital [Austria]) Dynalink/ Absolute						ford class 4) or ischemic ulcers (Rutherford class 5) and stenosis of > 50% or occlusion of the ipsilateral SFA, a target lesion length of > 30 mm, and at least 1 patent (< 50% stenoses) tibioperoneal runoff vessel					24 months	No major complica- tions	Binary restenosis rate: 49.7% (stent); 69.2% (PTA)	N/A	N/A	No new stent fractures	N/A	54% 1 stent; 28% 2 stents; 3% 3 stents; 4% 4 stents; 2%1 stent	138 ± 71 mm (stent), 117 ± 56 (PTA)	; N/A		Schillinger M, et al. Circ. 2007;115:2745— 2749.	MEET 2007
Complete SE SFA Study (Medtronic, Inc.) Complete SE	196 patients	Multicenter, OPC	procedure-related	'	TLR defined as repeat percutaneous intervention of the target lesion or as any bypass surgery of the target vessel to maintain blood flow distal to the treated vessel segment	Rutherford class 2-4, reference diameter ≥ 4 and ≤ 7 mm, total lesion length ≥ 40 and ≤ 140 mm	45%	67%	30%	50%	12 months	11%	72.6%	90.9% at 360 days	8.4%	0	225	85.7% 1 stent; 14.3% 2 stents	60.7 ± 37.6 mm	5 mm,228 mm (min/max)	Yes	Publication submitted and pending	LINC 2012, LINC 2013, ISET 2012
(Covidien) EverFlex Self-Expanding Peripheral Stent System		Multicenter, nonran- domized study, OPC (by VIVA Physician's, Inc. [VPI]) ^a	defined as clinically	Primary stent patency rate at 1 year, defined as DUS PSVR < 2 and no clinically driven reintervention within the stented segment	Vessel segment Clinically driven TLR, defined as ≥ 50% diameter stenosis in the presence of recurrent symptoms or a ≥ 70% stenosis associated with decreased ABI ≥ 0.15 in the treated segment	Target lesion total length ≥ 4 cm and ≤ 18 cm	42.5%	60.5% ^b	48.1%	Proximal and distal SFA, and SFA/popliteal	12 months 24 months	No MAEs observed (0%) at 30 days, 16.8% at 12 months	67.7% N/A	77.2% 66%	13.9%	0.4% (1 type V fracture) 0.9% (in addition to the single fracture at 12 months, 1 type III identified at 24 months)	303 stents in 287 patients	95% 1 stent; 5% multiple stents N/A	89.1 ± 44.8 mm (core lab assessed); 109.6 ± 45 mm (site assessed)	7.3–200.9 (core lab assessed); 10–180 (site assessed)	Angiographic, ultrasound, and x-ray core laboratories	Matsumura JS, et al. JVasc Surg. 2013;58:73—83 e71 Proceedings of the 14th Annual New Cardiovascular Horizons Abstracts	VIVA 2011, LINC 2012, ISET 2012, PVSS 2012 NCVH 2013
ETAP	246 patients	Multicenter,	N/A	Freedom from target lesion	Clinically driven repeat	The goal was to cover	37.8% (PTA);	83.4% (PTA);	33.1% (PTA);	P1 (29.1%), P2 (42.5%),	36 months 12-month	Patients in N/A	follow-up 44.9%	N/A	44.1%	N/A	N/A	N/A	LifeStent (41.3 ±	N/A	DUS;angiography;	Rastan A, et al.	TCT 2012
(Prof.Thomas Zeller) LifeStent Vascular Stent	(LifeStent 119; PTA 127)	randomized		restenosis (lumināl narrowing ≥ 50%) detected with DUS (PSVR > 2.4)	intervention (surgical or endovascular) of the target lesion	the lesion with one stent; more than one stent was allowed only in the case of geographic miss of the first stent; stent lengths were available up to 170 mm	36.1% (LifeStent)	73.9% (LifeStent)	32.8% (LifeStent) ^c	P3 (4.7%), multiple popliteal segments (23.7%) (PTA); P1 (29.4%), P2 (40.3%), P3 (5.9%), multiple popliteal segments (24.4%) (LifeStent)	PTA 12-month LifeStent	N/A	67.4%	N/A		3.4%: type I (n = 1); type II (n = 1); the fracture rate was calculated: No. fractures/No. stents evaluated by the core lab	1.05 stents/ patient	1—2 stents	31.3 mm); PTA (43.2 ± 28.1 mm); these were isolated popliteal lesions	N/A	x-ray for fracture analysis	Circulation. 2013; 127:2535—2541	
RESILIENT	206 patients (LifeStent	Multicenter,	Death, stroke, myocardial infarction,	Continuous blood flow through the treatment area (without re-	Clinically driven repeat	The total allowable lesion		51.4% (PTA); 61.2% (LifeStent)	18.5% (PTA): 17%	Proximal SFA (14.8%), middle SFA (38.3%), distal	12-month PTA	14.9%	N/A	36.7%	54.8%	N/A	1.6 stents/	1—3 stents	LifeStent (70.5 ± 44.3 mm); PTA (64.4	N/A	DUS; angiography;	Laird JR, et al. Circ Cardiovasc Interv.	N/A
(Bard Peripheral Vascular) LifeStent Vascular Stent			emergent surgical revascularization, significant distal	peat intervention) as evidenced by DUS; loss of primary patency was defined as reduction in luminal diameter of > 50%	or endovascular) of the target lesion following the return of ischemic symptoms	multiple lesions could be treated in the target vessel as long as the total length of the lesions did not exceed 150 mm; multiple stents were allowed	(LifeStent)	U1.270 (Ellestein)	(LifeStent) ^c	SFA (45.7%), proximal popliteal (1.2%) (PTA); proximal SFA (13.1%), middle SFA (32.0%), distal SFA (50.3%), proximal popliteal (4.6%) (LifeStent)	12-month LifeStent	13.4%	N/A	81.5%		3.1%;type I (n = 6); type IV (n = 6); no fractures were associated with restenosis or MACE; the fracture rate was calculated: No.fractures/ No.stents evaluated by the core lab	1		± 40.7 mm)			2010;3:267—276	
			category ^d								24-month	20.3%	N/A	N/A	58.2%	N/A	1					N/A	
											PTA 24-month	19.5%	N/A	N/A	22.2%	18-month: 4.1%	1						
											LifeStent 36-month	24.8%	N/A	N/A	58.2%	N/A						Laird JR, et al. J	
											PTA 36-month	24.8%	N/A	N/A	24.5%	N/A	_					Endovasc Ther. 2012; 19:1–9	
SuperNOVA (Boston Scientific Corporation)		Multicenter, OPC	target limb major amputation through 12 months, and/or TLR through 12 months	Freedom from more than 50% stenosis based on DUS PSVR comparing data within the treated segment to the proximal normal arterial segment; a systolic velocity	Not clinically driven	Lesion length 30—190 mm; 1 stent	N/A	N/A	N/A	N/A	LifeStent N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Enrollment comple	red June 2013
Expanding Stent System				ratio > 2.4 suggests > 50% stenosis																			



			Gene	ral Information				Baseline Pat	ient Demogr	aphics							R	esults					
Study Device(s)	Sample Size	Study Design	MAE Definition	Primary Patency Definition	TLR Definition	Inclusion Criteria	Diabetic	Rutherford 3-5	СТО	Lesion Location	Period	MAE	Primary Patency (Per Protocol)	Primary Patency (Per Kaplan- Meier)	TLR	Stent Fracture Rate	Mean No. of Stents Implanted (± SD)	Range of No. of Stents Implanted	Mean Length of Lesion Stented (± SD)	Range Length of Lesion Stented	Core Lab (Was echo and/or fluoro used in follow up?)	Published In	Presented At
SUPERB (Idev Technologies, Inc.) Supera Peripheral Stent System	-	Multicenter, prospective, nonran- domized, single-arm trial, OPG		Defined as freedom from restenosis (defined as diameter stenosis > 50% with a PSVR > 2 as measured by DUS) and TLR	target lesion	Stenotic lesion(s) or occluded length within the same vessel (one long or multiple serial lesions) 4—140 mm	43.5%	62.5%	24.7%	SFA, popliteal, and distal SFA/ popliteal	12 months	N/A	N/A	86.1%	10%	0%	N/A	N/A	83.2 mm	N/A	Yes	N/A	VIVA 2012,TCT 2012, LINC 2013
Gore VIPER Clinical Study (W.L.Gore & Associates) Gore Viabahn Endoprosthesis With Heparin Bioactive Surface			hospitalization (< 48 hours), require major therapy, unplanned increase in level of care, prolonged hospitaliza- tion (> 48 hours), permanent adverse	Defined as no evidence of restenosis or occlusion in the treated SFA segment on color-coded DUS (PSVR < 2.5), as determined at the participating center, no angiographic evidence of restenosis of > 50% if color-coded DUS was unavailable or uninterpretable, or no reintervention in the target lesion	vention to maintain or	upper limit and lesions beginning 1 cm below	33%	74%	56%	SFA	12 months	1 (0.8%)	73%	73%	N/A	N/A	1.92	1–4	190 mm		No core lab review	Saxon RR, et al. J Vasc Interv Radiol. 2013;24:165—173	VIVA 2011 (first presentation)
(Medical University of Vienna [Austria] and Vienna General Hospital [Austria]) Gore Viabahn Endoprosthesis	(72 in Gore Viabahn device arm, 69 in BNS arm); per protocol: 129 (66 in Gore Viabahn device arm,		amputation, access site and treatment site	No evidence of restenosis ≥ 50% or occlusion within the study lesion based on color-coded DUS with PSVR ≥ 2.5 and no TLR	Clinically driven		35% (Viabahn); 36% (BNS)	81% (Viabahn); 81% (BNS)	79% (Viabahn); 70% (BNS)	SFA (Viabahn and BNS)	12-month Gore Viabah Endopros- thesis 12-month BNS	1 (1.4%)	54%	54%	9 (14%)			N/A	190 ± 63 mm 173 ± 66 mm	N/A	Color Doppler ultrasound examinations were anonymized and blinded before review by the Cortab Bad Krozingen in Bad Krozingen, Germany	Lammer J, et al. J Am Coll Cardiol. Published online July 10, 2013	CIRSE 2012, VEITH 2012, ISET 2013, LINC 2013
The Zilver PTX Randomized Clinical Study (Cook Medical)		randomized	amputation, clinically driven TLR, target limb ischemia requiring	analysis or < 50% diameter stenosis from arteriographic core lab analysis, when available	Reintervention performed for ≥ 50% diameter stenosis confirmed by angiography within ± 5 mm of the target lesion after documentation of recurrent clinical symptoms of PAD	t	42% (PTA [control] group); 49.2% (PTX [treatment]	Rutherford 2—3: 90.7%, Rutherford 4—6: 8.5% (PTA [control] group); Rutherford 2—3:	[control] group); 29.6% (PTX	SFA: 92.4%, SFA/popliteal: 2.4%, popliteal: 5.2% (PTA [control] group); SFA: 92.7%, SFA/popliteal: 3.6%, popliteal: 5.5% (PTX	12-month PTA (control 12-month PTX (treatment)	17.4% 9.6%	N/A N/A	32.8% 83.1%	17.5% 9.5%	N/A 0.9% (type I, 2; type II, 0; type III, 2; type IV, 0)	1.5 stents/	N/A 1—4 stents/ patient	63.1 ± 40.7 mm 66.4 ± 38.9 mm	N/A ≤14 cm	Yes; core lab for angio, x-ray, and ultrasound	Dake MD et al. Circ Cardiovasc Interv. 2011;4:495—504	N/A
Zilver PTX Drug-Eluting Peripheral Stent			or surgical repair of the target vessel; worsen- ing of Rutherford score by 2 classes or to class 5 or 6					90.2%, Rutherford 4—6:8.9% (PTX [treatment] group)	group)	[treatment] group)	24-month PTA (control 24-month PTX (treatment)	22.1%	N/A N/A		N/A 13.4%	N/A N/A		N/A N/A	N/A N/A	N/A N/A	Yes; core lab for angio, x-ray, and ultrasound	Dake MD et al. J Am Coll Cardiol. 2013;61:2417— 2427	N/A
											36-month standard car (optimal PT/ + BMS) 36-month		N/A N/A		29.8%	N/A 2.1% (type I, 4; type II,		N/A N/A	N/A N/A	N/A N/A	Yes; core lab for angio, x-ray, and ultrasound	N/A	VIVA 2012
The Zilver PTX Single-Arm		OPC	CEC-adjudicated proce- dure- or device-related		>50% diameter	Maximum of 4 DES/ patient; no lesion length	36.2%	N/A	38.3%	SFA/popliteal	(Zilver PTX) 12 months	11.0%	N/A	86.2%	9.5%	II, 5; type III, 2; type	1.9 stents/lesion; 2.2 stents/	1—4 DES	99.5 ± 82.1 mm	3-400 mm	Core lab for x-ray	J Endovasc Ther.	N/A
Study (Cook Medical) Zilver PTX Drug-Eluting Peripheral Stent			death, clinically driven TLR, target limb ischemia requiring surgical intervention, or surgical repair of the target vessel; worsening of Rutherford classification by 2 classes or to class 5 or 6	DES, drug-eluting stent; DUS, du	stenosis within 5 mm of the study segment after documentation of recurrent clinical symptoms of PAD						24 months	20.7%	N/A	N/A	19.5%	IV, 14) N/A	patient N/A	N/A	N/A	N/A	N/A	2011;18:613—623 Dake MD, et al. J Am Coll Cardiol. 2013;61:2417— 2427	

^aStudy safety and effectiveness outcomes were compared with performance goals developed by VPI; the objective of the study was to evaluate the safety and efficacy of a single self-expanding stent up to 20 cm.
^aPer the DURABILITY II protocol, patients were included if they had Rutherford Clinical Category Score of 2, 3, or 4. One patient was enrolled with RCC 5, a protocol deviation.

^aPresented % occlusion, not necessarily chronic total occlusions.

^aDefined as MACE in RESILIENT (major adverse clinical event).