5year Results of Viabahn Stent-Graft for Complex Femoropopliteal Lesions: Technical Tips, Advantage and Limitations

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COI Disclosure

Osamu lida, MD

I have the following potential conflicts of interest to report:

- Consulting: Boston Scientific, Canon, NIPRO, Terumo
- Employment in industry

Speaker name :

- □ Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s) Honoraria: Medtronic, Boston Scientific, Gore, Terumo, NIPRO, Canon I do not have any potential conflict of interest

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Study Design and Objectives

Purpose

To confirm device efficacy and safety in the clinical setting after the launch of the GORE® VIABAHN® Endoprosthesis for the treatment of symptomatic peripheral arterial disease in the superficial femoral arteries (SFA)

Design

Prospective, multicenter, post-market surveillance study 64 Sites in Japan

321 Subject

5-year Follow-Up.

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Methods August 2016 - July 2017

Enrollment Period: Pre-specified follow-up: Expected Target Patients:

1 month; 1, 2, 3, 4, 5 years SFA lesions ≥10cm in length with reference vessel diameters ranging from 4.0 to 7.5mm Primary, Primary-assisted, and Secondary Patency Limb salvage: Absence of major amputation Freedom from target lesion revascularization

Device safety:

Device- or procedure-related serious adverse events

and stent fracture

Clinical improvement: ABI, Rutherford relative to baseline





No association with loss of primary patency			
Model term	Univariate (log-rank test)	Multivariate (likelihood ratio test)	
Lesion length (≥20 cm vs. <20 cm)	0.761	0.871	
Calcification (Mild/None vs. Moderate/Severe	e) 0.152	0.442	
Run off (0 vs. 1 vs. 2 vs. 3 vessels)	0.169	-	
Hemodialysis (Yes vs. No)	0.075	0.194	
Rutherford (CLTI vs. IC)	0.823	0.587	
TASC (A/B vs. C/D)	0.605	0.681	
Sex (Male vs. Female)	0.439	0.405	
Diabetes (Yes vs. No)	0.506	0.516	
Proximal vessel diameter (≤5 mm vs. ≥6 mm)	-	0.598	
Chronic Total Occlusion	0.601	-	













Take Home Message • Japan PMS of the Viabahn stent graft study demonstrated the VIABAHN® Device was associated with high primary patency and fTLR rates through 5-years. Patency outcomes were consistent across varying baseline patient and lesion characteristics. • Retrospective study reveled that the Viabahn stent graft was safely used in patients without risk factors of acute thrombotic occlusion(dialysis and popliteal lesions).