

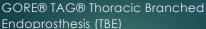
Update On Total And Partial Aortic Arch Lesion Repairs With The Gore TAG Single Branch Endograft: An Off-The-Shelf (OTS) Device For Revascularizing Arch Branches: Experience To Date, Advantages And Limitations

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Disclosures - Michael Dake, MD

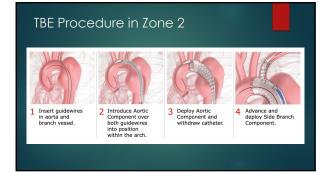
- Within the past 12 months, the presenter or their spouse/partner have had a financial interest/arrangement or affiliation with the organization listed below. Research/Research Grants, Clinical Trial Support

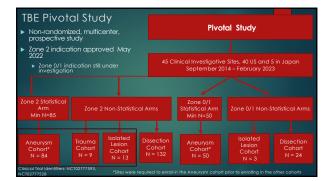
- Research/Research Grants, Cil W. L. Gore Cook Medical Consulting Fees/Honoraria W. L. Gore Cook Medical Boston Scientific REVA Medical Equity Interests/Stock Options PEVA Medical
- **REVA** Medical
- REVA Medical FluidX Medical Officer, Director, Board Member or other Fiduciary Role FluidX Medical Speaker's Eureau None



- ► Side Branch (SB) Component
- ► Aortic Extender (Optional)







zone 2 cohorts				
	Aneurysm N=84	Trauma N=9	Other Isolated Lesions N=13	
Age, years (SD)	70.3 (11.11)	42.4 (18.95)	64.8 (13.28)	
Male gender, n (%)	53 (63.1%)	8 (88.9%)	6 (46.2%)	
BMI, kg/m², median (STD)	28.8 (6.30)	29.5 (5.03)	25.8 (5.33)	
Comorbidities, n (%)				
Hypertension	72/84 (85.7%)	4/9 (44.4%)	11/13 (84.6%)	
Diabetes mellitus	14/84 (16.7%)	1/9 (11.1%)	2/13 (15.4%)	
Hypercholesterolemia	44/84 (52.4%)	1/9 (11.1%)	6/13 (46.2%)	
Coronary artery disease	27/83 (32.5%)	1/9 (11.1%)	3/13 (23.1%)	
Coronary artery bypass grafting	12/83 (14.5%)	0/9 (0%)	0/13 (0%)	
Peripheral vascular disease	11/83 (13.3%)	1/9 (11.1%)	1/13 (7.7%)	
Previous stroke	12/84 (14.3%)	1/9 (11.1%)	1/13 (7.7%)	
Nicotine use	30/84 (35.7%)	2/9 (22.2%)	7/13 (53.8%)	
Chronic obstructive pulmonary disease	16/84 (19.0%)	0/9 (0%)	3/13 (23.1%)	
Previous aortic repair	32/84 (38.1%)	0/9 (0%)	7/13 (53.8%)	

Core lab reported Device Events through 3 years

	Aneurysm	Trauma	Other Isolated	Total Non-
	N=84	N=9	Lesions N=13	Dissected cohorts N=106
SB loss of patency	0/82 (0%)	1/9 (11.1%)	0/13 (0%)	1/104 (1.0%)
Aortic Rupture	0/83 (0%)	0/9 (0%)	0/13 (0%)	0/105 (0%)
Device Migration	0/84 (0%)	0/9 (0%)	0/13 (0%)	0/106 (0%)
Wire Fracture	0/84 (0%)	0/8 (0%)	0/13 (0%)	0/105 (0%)
Aortic Enlargement (>5mm)	4/66 (6.1%)	0/8 (0%)	0/10 (0%)	4/84 (4.8%)
*Denominator reflect s			llowed for events to be	identified, ** 3

Non-dissected zone 2 cohorts : Core Lab Endoleaks and Reinterventions Aneurysm Trauma Other Isolated Total Non NB84 NB9 Distacted col

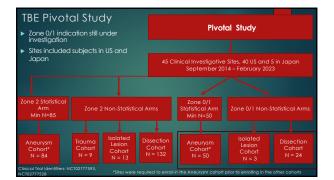
	N=84	N=9	Lesions N=13	Dissected cohorts N=106
Any Endoleak	36/82 (43.9%)	0/9 (0%)	1/13 (7.7%)	37/104 (35.6%)
Type I	3/82 (3.7%)	-	0/13 (0%)	3/104 (2.9%)
Type II	21/82 (25.6%)	-	1/13 (7.7%)	22/104 (21.2%)
Type III	5/82 (6.1%)	-	0/13 (0%)	5/104 (4.8%)
Indeterminate	19/82 (23.2%)	-	0/13 (0%)	19/104 (18.3%)
CEC Adjudicated	7/84 (8.3%)	1/9 (11.1%)	0/13 (0%)	8/106 (7.5%)
Reinterventions				

35.6% of patient had any Endoleak, 7.6% of patients had type I and III endolea

Mortality and strokes in non-dissected zone 2 cohorts through 3 years

	Aneurysm N=84	Trauma N=9	Other Isolated Lesions N=13	Total Non- Dissected cohorts N=106
All-Cause Mortality	11/84 (13.1%)	0/9 (0.0%)	4/13 (30.7%)	15/106 (14.1%)
Lesion related mortality	0/84 (0.0%)	0/9 (0.0%)	1/13 (7.7%)	1/106 (0.9%)
Stroke	8/84 (9.6%)	0/9 (0.0%)	1/13 (7.7%)	9/106 (8.4%)
30 days	4/84 (4.8%)	0/9 (0.0%)	0/13 (0.0%)	4/106 (3.7%)
Outside 30 days	4/84 (4.8%)	0/9 (0.0%)	1/13 (7.7%)	5/106 (4.7%)

Pre-Surgery 5-Years Post Image: Pre-Surgery Image: Pre-Surgery



CO	horts		
	Aneurysm Dissection		
	N=50	N=24	Lesions N=3
Age, years (SD)	74.3 (8.56)	63.0 (11.31)	73.7 (9.02)
Nale gender, n (%)	32 (64.0%)	17 (70.8%)	2 (66.7%)
SMI, kg/m ² , median (STD)	27.3 (5.94)	29.9 (4.44)	23.4 (2.01)
Comorbidities, n (%)			
Hypertension	6/50 (12.0%)	3/24 (12.5%)	1/3 (33.3%)
Diabetes mellitus	5/50 (10.0%)	1/24 (4.2%)	0/3 (0%)
Hypercholesterolemia	32/49 (65.3%)	15/24 (62.5%)	2/3 (66.7%)
Coronary artery disease	19/50 (38.0%)	3/24 (12.5%)	1/3 (33.3%)
Coronary artery bypass grafting	7/50 (14.0%)	3/24 (12.5%)	1/3 (33.3%)
Peripheral vascular disease	6/49 (12.2%)	0/24 (0%)	1/3 (33.3%)
Previous stroke	6/50 (12.0%)	3/24 (12.5%)	1/3 (33.3%)
Nicotine use	46/50 (92.0%)	24/24 (100.0%)	3/3 (100.0%)
Chronic obstructive pulmonary disease	19/50 (38.0%)	4/24 (16.7%)	1/3 (33.3%)
Previous gortic repair	19/50 (38.0%)	21/24 (87.5%)	1/3 (33.3%)

Aneurysm Types in Zone 0/1



Aneurysm N=50 26/50 (52.0%) Fusiform aneurysm (>55mm) Fusiform aneurysm (>2 times native aortic diameter) Saccular aneurysm 2/50 (4.0%)

22/50 (44.0%) latthew Swe Washinaton

Conclusions

3 year follow up in non-dissected Zone 2 cohorts shows low level of device events

- Mojority of stokes occurred saily in follow up
 Low rates of reinterventions in Zone 2
 Zone 2 post-market study through SVS-VQI has completed enrollment
- Zone 0-2 Feasibility 5-year data manuscript in development and will be presented in 2025
 Zone 0/1 indication expansion anticipated for 2025

Thank you!	the	Midterm Outcomes of Endovascular Repair of Aortic Arch Aneurysms the Gore Thoracic Branch Endoprosthesis Market Ling', Water Line Jan, Market J, Juny K, Kang Y, Wank Line J, Market J, Wa M, Alfger J, Bank S, Kalar J, A. Matanas J, Hanaka J, Market J, Marke		
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Automet. Min. Learn. Min. and Min. Dutcomes of endovascular repair of aortic aneurysms with the CORE thoracic branch endoprosthesis for left subclavian artery preservation Minard Data. MC William T. Binkman MD ⁺ Sujay. M. Han. MD, ML ⁺ Dan S. Masumum, MD ⁺	ir has radically tra- the aotic arch in 1 tic endogents hav- lents in a normado	oformed the treatment of decending thosaic actic the region of the left subclavian artist, branch vessel a provided a new option to maintain branch patency mixed, prospective investigational device exemption	a propective observational study of a new single branch d descending thoracic aortic anexysms involving the datal cohart have been published previously, with this article to of device migration, fracture, or rupture, and the rate of new results support favourable midterm ourcomes for this	
Material Saudi Club ST (Saudi Saudi		ensence of ensurgement that include the dotal adort, and, sets inc. Flaggard (big) an investigational device, allow incorporates a single side branch for left subclinien basis of the investigational device in banding zone 2, set with 21 to 104 years. The ensurgement morpholog was particle to the subclining of the investigation of the partient outcomes of twice-related endolesik gapes I and One patient exponenties of envice-related endolesik gapes I and One patient exponenties of envice-related endolesik gapes I and One patient exponenties of envice-related endolesik	which are accelerately unratication the instanced threads of the other set of a single distance of the other set of a single distance of the other distance di distance distance distance distance distance	
		Interest to the device or processing (citizal indeposite de No conventions warm required and no meanyem banch parency was diagnosed in the left subclasses is aboretory in the patients at 12 months (los, type is a boretory) in the patients at 22 months (los, type is all decreasing thoracic and constraints). O Vacc Surg patients of the total warm base straints of Vacc Surg patients of the total warm base straints of Vacc Surg		
		Conclusion: Initial three year results of the TBS favourable patency and datability with low rates of	device for endovascular repair of arch aneurysms show	