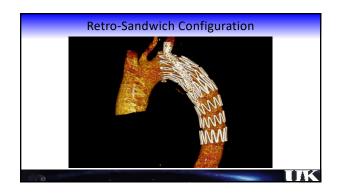
How To Minimize Gutter Type 1A Endoleaks With Chimney EVAR (Ch/EVAR): How Does A Standard Protocol Help; How To Treat Them When They Occur

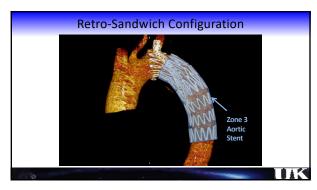
David J Minion, MD

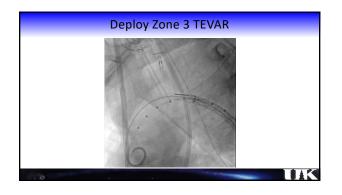
University of Kentucky Medical Center

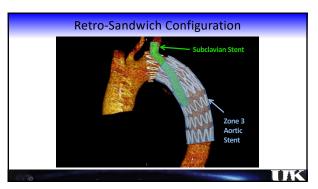
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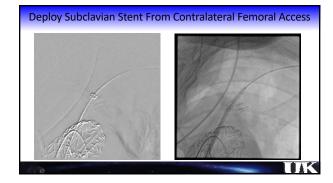


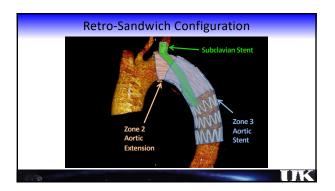


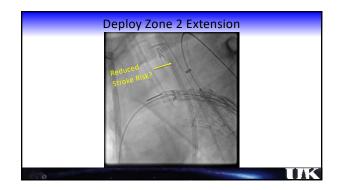


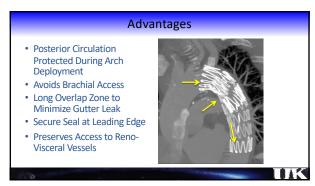






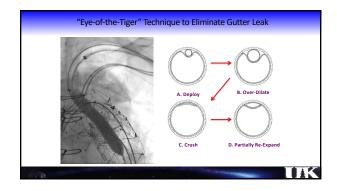


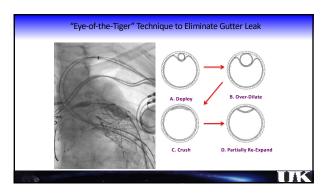


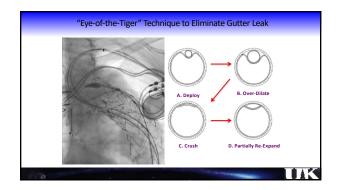


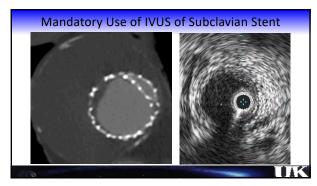


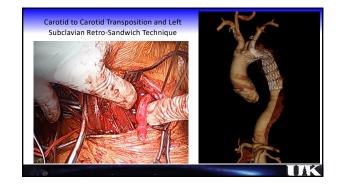


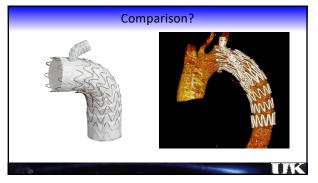












Comparison?	
Apples Branched Grafts	 Oranges Parallel Grafts
Peaches	• Lemons
-Specifically Engineered	-Spare Parts
Cherries —Select Patients	CranberriesAll Comers

Gore TBE Exclusion Crite	eria treated in My Cohort
Anatomic Previous endovascular repair of DTA with a non-Gore device Significant thrombus or atheroma in aortic arch Planned coverage of left carotid artery or celiac artery	Systemic Pregnant woman at provision of informed consent Degenerative connective tissue disease (eg, Marfan syndrome, Ehlers-Danlos syndrome) Known history of drug abuse within 1 year of treatment

	Results		
	Gore TBE	RetroSandwich	p value
Number	216	46	
Longest Follow-Up	5 years	8 years	
Zone 1 Extent	0 (0%)	15 (33%)	p<0.05
Procedural Failure	10 (4.6%)	0 (0%)	NS
30-Day Lesion Related Mortality	1 (0.5%)	1 (2.2%)	NS
30-Day Disabling Stroke	4 (1.9%)	0 (0%)	NS
30-Day New Dissection	13 (6.0%)	0 (0%)	NS
Late Type I/III endoleak	13 (6.0%)	2 (4.3%)	NS
Late Aortic Rupture	1 (0.5%)	0 (0%)	NS
Late Branch Vessel Occlusion	0 (0%)	3 (6.6%)	p<0.05

Conclusions
 A standard protocol can greatly minimize gutter leaks in parallel endografts and achieve comparable results to branched grafts.
 Key strategies include: Long overlap zones. Non-round parallel grafts as needed (Eye of the Tiger molding). Mandatory intra-operative branch IVUS

Thank You