

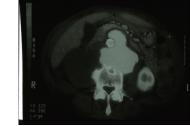
Aortic Endograft Diameter Sizing With Ruptured Aneurysms: Why Is It Different And How To Do It?

Zoran Rancic, *MD*, *PhD*, *FEBVS*, *eMBA HSG*, *HMS SLP* Lachen Hospital University of Zurich, Switzerland



Nothing to disclose

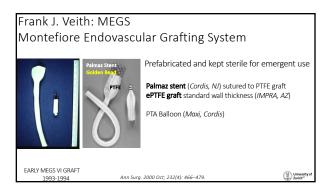


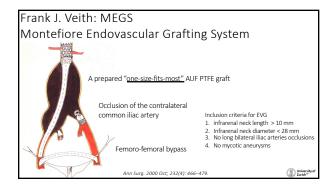


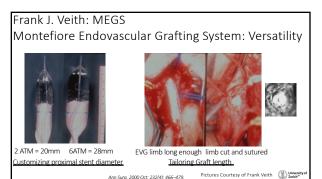
Inoperable Patient Hostile Abd EF 16% BP 60 mmHg Severe Pain

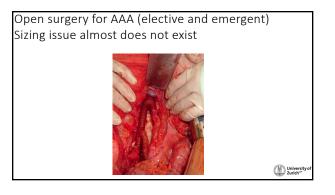
> University Zurich"

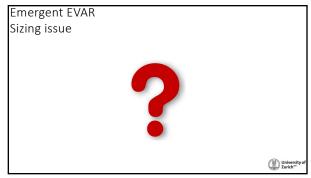
Picture Courtesy of Frank Veith

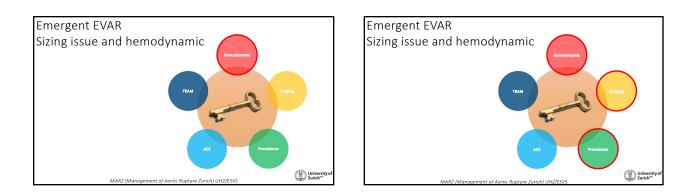


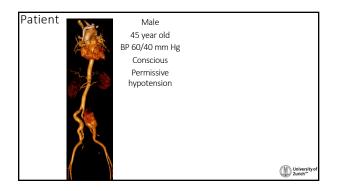


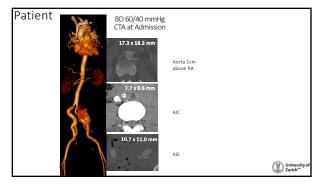


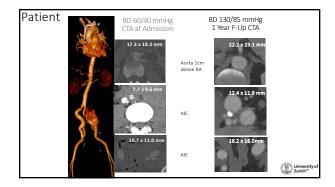


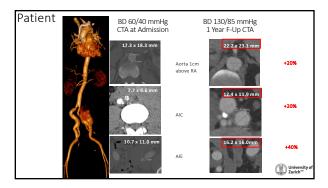


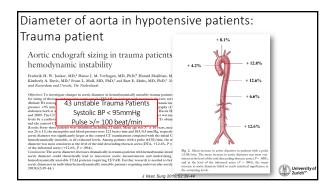


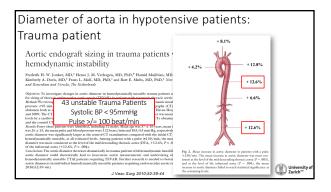


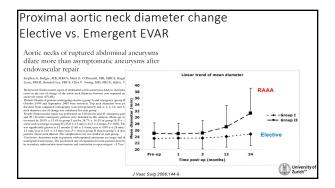












UHZ Patients

67 Patients with RAAA treated at UHZ 2003-2015

Inclusion criteria

- Patients with diagnosis of RAAA treated by emergent EVAR
- Systolic blood pressure </= 100 mmHg at admission CTA
- CTA performed at admission, immediate postoperative, at 3, and at 12 Months

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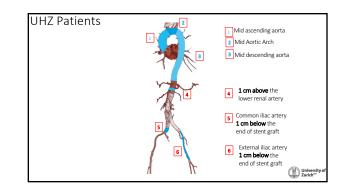
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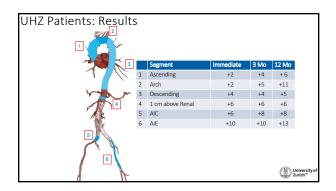
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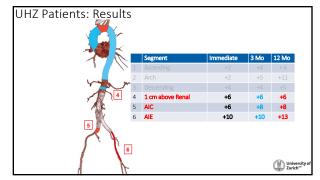
Exclusion patients

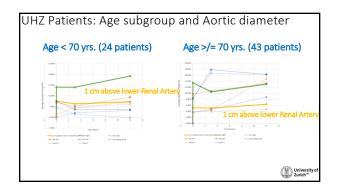
- Pararenal Aneurysms treated with chimney and periscope
- Previously conventional open surgery for aortic pathology - Incomplete CTA data sets

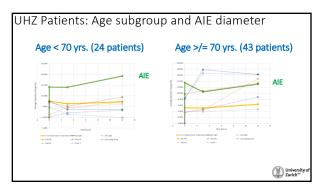
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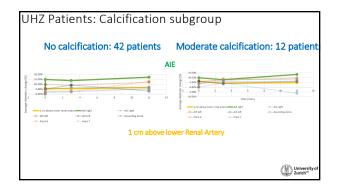




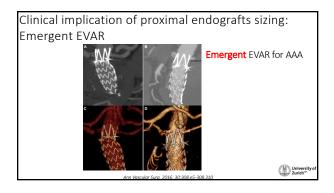


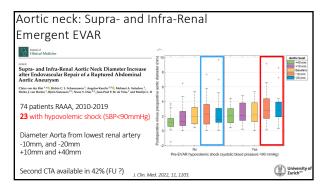


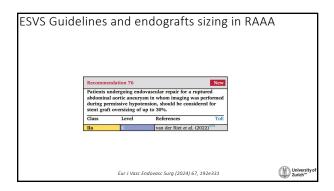


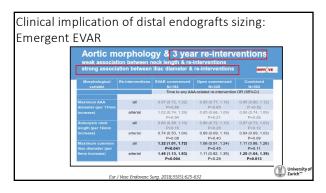


lective EVAR (systemat	c review)
Versities equal to an UNEXPECTIVE Deversiting of Aortic Stent Grafts for Abdominal Aneurysm Repair: A Systematic Review of the Benefits and Risks	 Elective EVAR for AAA 23 relevant articles 8.415 patients
I. van Prehn **, F.J.V. Schlösser ^b . B.E. Muhs ^b . H.J.M. Verhagen [*] , SL. Moll [*] , J.A. van Herwaarden *	
Squarements of viscous systems, University Analosis (2000 (2000), (30/00), Mr. Andrastando Statutos University), Analos (2000), (2000)	
10-20% oversizing regime is safe and pre	ferable (\downarrow risk of proximal EL)
 >30% oversizing might be negative after 	EVAR (\uparrow migration risk and neck dilatation)
Studies of higher quality are needed	









Clinical	in	nplicatio	on of d	istal en	dografts	sizing:	
Emerge	'n	t EVAR					_
		weak associa	tion between r	eck length & re-	Ir re-interv interventions re-interventions		
		Morphological variable		EVAR commenced	Open commenced	Combined N=502	
					A-related re-interventio		
		Maximum AAA	all	0.97 (0.72, 1.32)	0.95 (0.77, 1.18)	0.95 (0.80, 1.12)	
	Maybe it was up to (under)sizing?						
		increase)	arterial	0.74 (0.53, 1.04) P=0.08	0.89 (0.69, 1.16) P=0.40	0.84 (0.69, 1.03) P=0.09	
		Maximum common iliac diameter (per	all	1.32 (1.01, 1.72) P=0.041	1.06 (0.91, 1.24) P=0.45	1.11 (0.98, 1.26) P=0.11	
		9mm increase)	arterial	1.48 (1.13, 1.93) P=0.004	1.11 (0.92, 1.35) P=0.28	1.20 (1.04, 1.39) P=0.013	
			Eur J Vasc Endov	asc Surg. 2018;55(5)	:625-632		University of Zurich

C	Conclusion
	Diameter of Aorta and Iliac Arteries decrease in hypotensive RAAA patients.
	The mean diameter decrease most in CIA (8%), and EIA (13%).
	This decrease might result in inadequate sizing in Hypotensive RAAA patients systolic blood pressure < 100 mmHg
	Analysis of clinical implications (e.g. EL type I) is essential.

