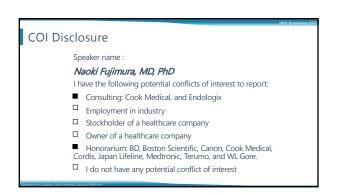
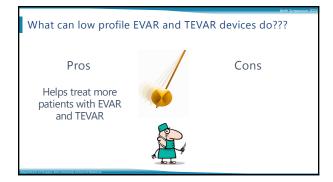
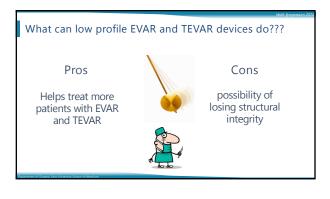
## Are low profile devices for EVAR and TEVAR improving or worsening outcomes

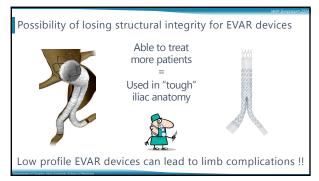
Naoki Fujimura, MD, PhD Department of Surgery, Keio University School of Medicine Shinjuku, Tokyo, Japan

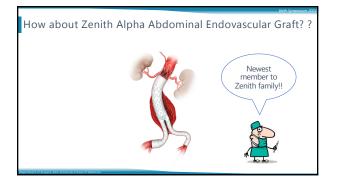




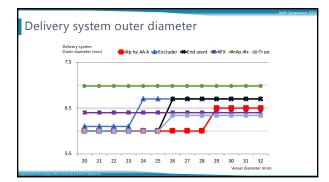










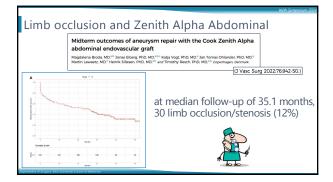






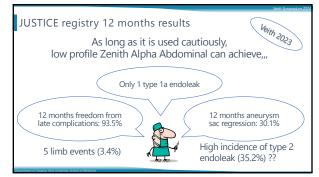


Significant risk factors for limb graft occlusion were Zenith Alpha Abdominal (OR 5.31, 95%Cl 1.97-14.3), EIA landing (OR 5.91, 95% Cl 1.30-26.7), and EIA diameter < 10mm (OR 4.99. 95% Cl 1.46-16.9)









Patiants' domographics and char	actorictics	Veith Symposium 2024	
Patients' demographics and char	acteristics		
	Number of patients (%)		
Variable	(N = 147)		
Age	76.5 ± 7.7		
Male	124 (84.4%)		
AAA diameter <sup>a</sup> (cm)	52.4 ± 9.2		
Hypertension	118 (80.3%)		
Diabetes mellitus	36 (24.5%)	<ul> <li>Continuous data are shown as the mean +</li> </ul>	
Chronic kidney disease (eGFR < 59 ml/min)	57 (38.8%)	standard deviation.	
Coronary artery disease	49 (33.3%)	<ul> <li>Includes current and former smokers</li> </ul>	
Cerebrovascular disease	26 (17.7%)	tormer smokers.	
Chronic obstructive pulmonary disease	41 (27.9%)		
History of smoking <sup>b</sup>	121 (82.3%)	NYO	
ASA>3	55 (37.4%)	3256	
Antiplatelet therapy	63 (42.9%)		
Anticoagulant therapy	23 (15.6%)		

Lets Grance 203 Anatomical characteristics				
Variable	Num. of patients (%) N = 147			
Outside IFU	76 (51.7%)		Num. of pts (%)	
Proximal neck diameter <sup>a</sup> (mm)	22.8 ± 3.1	Variable	N = 147	
Proximal neck length <sup>a</sup> (mm)	39.9 ± 15.5	IFU violation	76 (51.7%)	
Proximal neck angle <sup>a</sup> (°)	32.7 ± 21.4	Proximal neck related	53 (36.1%)	
Suprarenal aorta angle <sup>a</sup> (°)	21.0 ± 15.8	Poor access (bil < 6 mm)	27 (18.4%)	
Right CIA maximum diameter <sup>a</sup> (mm)	18.2 ± 6.8	Bilateral IIA emoblization	8 (5.4%)	
Left CIA maximum diameter <sup>a</sup> (mm)	16.8 ± 3.9			
Right CIA length	39.0 ± 15.2			
Left CIA length	42.4 ± 17.0			
Right EIA minimum diameter <sup>a</sup> (mm)	6.3 ± 1.4			
Left EIA minimum diameter® (mm)	6.4 ± 1.3	Continuous data are shown as the mean $\pm$ standard deviation		
Shaggy aorta	15 (10.2%)			
Proximal neck calcification and thrombus	27 (18.8%)			

Operative results			Veith Symposium 202
		Num. of patients (%)	
Variable		N = 147	
Operative time• (min)		140.9 ± 48.8	<ul> <li>a. Continuous data are shown as the mean +</li> </ul>
Percutaneous approach		68 (46.3%)	standard deviation.
Hypogastric embolization		35 (23.8%)	b. Intraoperative
Blood transfusion		11 (7.5%)	complications include 1 unintentional RA
	Type 1 / 3	1 (0.7%)	coverage, 1 unintentional
Intraoperative endoleaks	Type 2	22 (15.0%)	IIA coverage, 2 EIA dissections, 1 CFA injury,
	Type 4	38 (25.9%)	and 1 distal embolization.
Intraoperative complications <sup>b</sup>		6 (4.1%)	
Intraoperative additional treatments		62 (42.2%)	
Densitivest of Sumary Kelo Holyanity School of Medicine			

## Intraoperative additional treatments

	Number of patients	
Variable	N = 147	
IMA embolization	37 (25.2%)	CFA, common femoral artery, IKA, kertenai lita, exernai lita mesenteric artery, IAA, lumbar artery, NBCA, n- butyl-2-cyanoacrylate a. Unplanned extension treat type 1 aor 1b endoleak.
EIA bare nitinol stent placement	19 (12.9%)	
LA embolization	14 (9.5%)	
Aneurysm sac embolization using NBCA	8 (5.4%)	
Distal limb extension	6 (4.1%)	
Proximal cuff extension	2 (1.4%)	
CFA balloon angioplasty	1 (0.7%)	
Renal artery stenting	1 (0.7%)	
Kilt technique	1 (0.7%)	

24-months post o	operative	results		Veith Symposium 202
Variable		Number of patients N = 147	aneury	Late complications defined as an aneurysm related event and
Late complications*		19 (12.9%)		ventions > 30 days, which e 4 limb occlusions, 3 limb
	Type 1a	1 (0.7%)		es, 1 graft infection, 4 sac ements (1 type 2 and 3
Endoleaks	Type 1b	0 (0.0%)	type 5	), and 7 reinterventions (1
	Type 2	52 (35.4%)		a and 6 type 2 endoleak).
	Type 3	0 (0.0%)		eaks in 146 patients with at CT scan postoperatively.
	Type 5	3 (2.0%)		re evaluated in 133
Aneurysm sac size change (>	Growth	8 (5.4%)		ts at 12 months and <u>116</u> ts at 24 months.
5mm)•	Regression	51 (34.7%)		h due to graft infection and ths unrelated to the
Mortality		18 (12.2%)	aneury	/sm
Department of Surgery, Keia University School of Medicine				

