

Supplementary Table 1: Instructions for use

Contraindications	Warnings and precautions
Arteriovenous fistula	When covering aortic branches with stenosis or thrombus, these branches should be preoperatively stented
Inadequate distal flow	
Inadequate arterial access (due to tortuosity, calcifications or occlusions)	The stent with the bigger diameter should be placed after the implantation of the stent with the smaller diameter
History of coagulation problems	For sizing: adherence to the MFM sizing table
Suspected infection (e.g. mycotic aneurysm)	Stents should have an overlap of minimal 6 cm in straight segment and minimal 8 cm in curved segments
Presence/suspicion of connective tissue disorder or Takayasu's arteritis	The proximal and distal landing zones (non-aneurysmatic) should be at least 2 cm
Pregnant or breastfeeding woman	
Persons aged 18 and under	
Shaggy aorta	
Patients who cannot tolerate contrast agents	
Ruptured aneurysms	
Aortic root aneurysm	
Previously implanted stent grafts	
History of coagulation problems	

Supplementary Table 2: MINORS Quality assessment

	Clearly stated aim	Inclusion of consecutive patients	Prospective collection of data	Endpoints appropriate to the aim of the study	Unbiased assessment of the study endpoint	FU period appropriate to the aim of the study	Loss to FU less than 5%	Prospective calculation of study size	Total
Benjelloun, 2018 (32)	2	2	2	2	0	1	1	0	11
Bouayed, 2016 (33)	2	0	2	2	0	1	2	0	9
Costache, 2021 (16)	2	2	2	2	0	1	2	0	11
Debing, 2014 (4)	2	0	2	2	2	1	2	0	11
Ibrahim, 2018 (8)	2	0	0	2	0	2	1	0	7
Lowe, 2016 (9)	2	0	0	2	0	2	2	0	8
Ovali, 2018 (34)	2	0	0	2	0	2	2	0	8
Pane, 2016 (35)	2	0	0	2	0	2	2	0	8
Polydorou, 2012 (36)	2	0	0	0	0	2	0	0	4
Sultan, 2014 (15)	2	1	2	2	0	1	1	0	9
Wang, 2020 (17)	2	0	0	2	2	2	2	0	10
Vaislic, 2014 (18)	2	0	2	2	0	1	0	0	7