

**Table S1** Prior aortic repairs in 28 patients

Variable	All (n=28)	IDE (n=5)	FDA (n=23)
Age at first aortic repair, y	49.5 [42–58]	58 [51.5–66.5]	49 [42–56]
Aortic dissection at first repair	21 (75%)	5 (100%)	16 (70%)
More than one prior aortic repair, n	4	0	4
Total prior aortic repairs, n	32	5	27
Aneurysm	9 (28%)	0	9 (33%)
Dissection	23 (72%)	5 (100%)	18 (67%)
Prior aortic repair location			
Proximal <sup>†</sup>	24 (75%)	5 (100%)	19 (70%)
Aortic root	6 (19%)	1 (20%)	5 (19%)
Isolated ascending <sup>‡</sup>	14 (44%)	4 (80%)	10 (37%)
Hemiarch	6 (19%)	0	6 (22%)
Distal	8 (25%)	0	8 (30%)
Open DTA	2 (6%)	0	2 (7%)
Endovascular	6 (19%)	0	6 (22%)
TEVAR	5 (16%)	0	5 (19%)
EVAR	1 (3%)	0	1 (4%)

Values are presented as n (%) or median [quartile 1–quartile 3]. <sup>†</sup>, more than one repair location is possible. <sup>‡</sup>, most of these procedures (13/14) were performed in patients with acute type A aortic dissection, and the operation often included aortic valve resuspension. IDE, investigational device exemption; FDA, Food and Drug Administration; DTA, descending thoracic aorta; TEVAR, thoracic endovascular aortic repair; EVAR, endovascular aortic repair.