

Table S1

Demographic distribution and risk factors			
Parameter	Results n = 95, study cohort	n = 716, totally screened with fulfilled inclusion / exclusion criteria	p-value
Age	54.9 ± 12.0	59.2 ± 8.2	0.832
Male sex	70.5%	68.7%	0.385
Aortic surgery	68.4%	72.1%	0.153
TEVAR	31.6%	27.9%	0.278
Main diagnosis TAD	57.9%	44.6 %	0.009
Main diagnosis TAA	42.1%	52.4%	0.007
Cardiovascular risk factors			
Arterial hypertension	83.2%	80.9%	0.532
(Ex-)nicotine	33.7%	35.1%	0.874
Hypercholesterolemia	32.6%	29.8%	0.756
Diabetes mellitus	8.4%	9.7%	0.544
CHD (coronary heart disease)	13.7%	12.3 %	0.223
Carotid stenosis or stroke	5.3%	6.1%	0.178
PAD (peripheral arterial occlusive disease)	4.2%	3.6%	0.159
Medications			
Beta blockers	94.7%	92.8%	0.656
ACE inhibitors/AT1 receptor antagonists	83.1%	81.7%	0.258
Platelet aggregation inhibitors	42.1%	40.9%	0.175
Calcium antagonists	41.1%	39.2%	0.288
Diuretics	40.0%	42.4%	0.731
Oral anticoagulation	36.8%	29.7%	0.021
Other antihypertensive drugs	21.1%	22.3%	0.410

Table S2

Distribution of phenotypical characteristics	
Phenotypic characteristic	Result (in %)
Family History	
Positive family history of connective tissue or aortic disease In first- to third-degree relatives	20%
1st degree relatives with aortic dissection	2.1%
1st degree relatives with aortic aneurysm	4.2%
Stature	
Normal height	91.6%
Normal Relationship from arm span to body length	85.3%
Ratio of arm span to body length above to the normal range	14.7%
Tall stature	6.3%
Striae	5.3%
Arachnodactyly	3.2%
Short stature	2.1%
Increased skin elasticity	1.1%
Skeletal deformities	
Pes planus	20.0%
Scoliosis	13.7%
Pectus carinatum	6.3%
Pectus excavatum	4.2%
Protrusion acetabuli	1.1%
Pes equinovarus	0%
Craniofacial anomalies	
Thin lips	25.3%
Higher palate	14.7%
Dolichocephaly	5.3%
Hypertelorism	1.1%
Cleft palate	0%
Craniosynostosis	0%
Midface hypoplasia	0%
Micrognathia	0%
Uvula bifida	0%
Joint function	
Murdoch sign	9.5%
Joint dislocations	5.3%
Steinberg sign	4.2%
Beighton Score 1	4.2%
Beighton Score 4	2.1%

Beighton Score 2	1.1%
Ophthalmic pathologies	
Myopia ≥ 3 diopters	14.7%
Enophthalmos	11.6%
Cataract	7.4%
Blue sclera	7.4%
Glaucoma	5.3%
Ablation retinae	0%
Iris hypoplasia	0%
Ectopia lentis	0%
General diagnoses	
Hernias	23.2%
Spontaneous pneumothorax	0%
Dura ectasia	0%
Cardiovascular	
Bicuspid aortic valve	17.9%
Atrial septal defect	4.2%

Figure S1

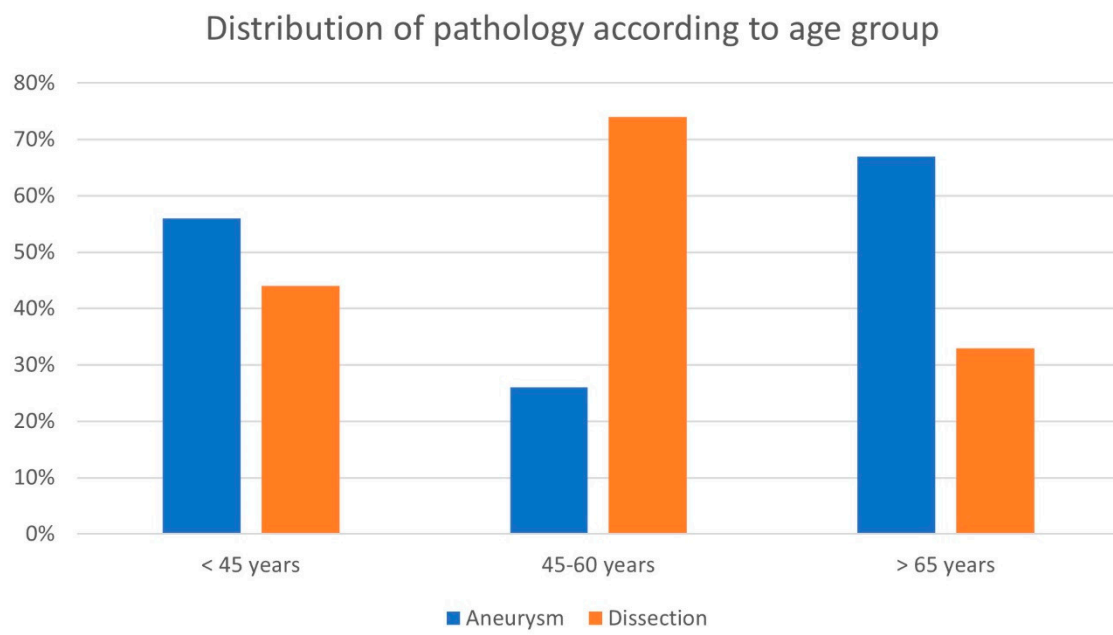


Figure S2

