

Supplementary Table 2. Phenotypic data for vEDS Patients.

Patient ID	Age	Sex	Beighton score	cEDS	vEDS	hEDS	kEDS	Vascular/cardiac complications	Family History
				Major criteria Minor criteria	Major criteria Minor criteria	Major criteria Minor criteria	Major criteria Minor criteria		
44	30-39	F	5	C a, d	G q	H, I s, u	– –	–	Mother: GJH, OP
372	40-49	F	–	B f	D, F j, n	– t	– –	VV	Father: TS, D Sister: D Brother: D.
482	20-29	F	6	C d, g, h, i	D –	H, I t, u	– –	–	Mother GJH Father GJH, SS Full Sister: GJH Full brother: GJH, HS Half-sister (mother's side): GJH, TS Half sister (father's side), GJH, HS Half brother (father's side): GJH, HS Maternal aunt: Subarachnoid haemorrhage
798	20-29	F	5	C d, f, i	D, E k	H u	– –	Cavernous hemangioma	Father: GJH, Soft Skin Brother: GJH Paternal aunts: GJH Paternal uncle: GJH
1346	30-39	F	4	A, C d	D, E, G j	H, I t	– –	Scoliosis	FHx (paternal side): ventricular tachycardia, Atrial fibrillation

EDS Diagnostic Criteria and Abbreviations as per lists in Supplementary Table 1.