

# Plasma Desmosine Is Elevated in Thoracoabdominal Aortic Aneurysms and Is Associated with Intramural Proteolytic Activity

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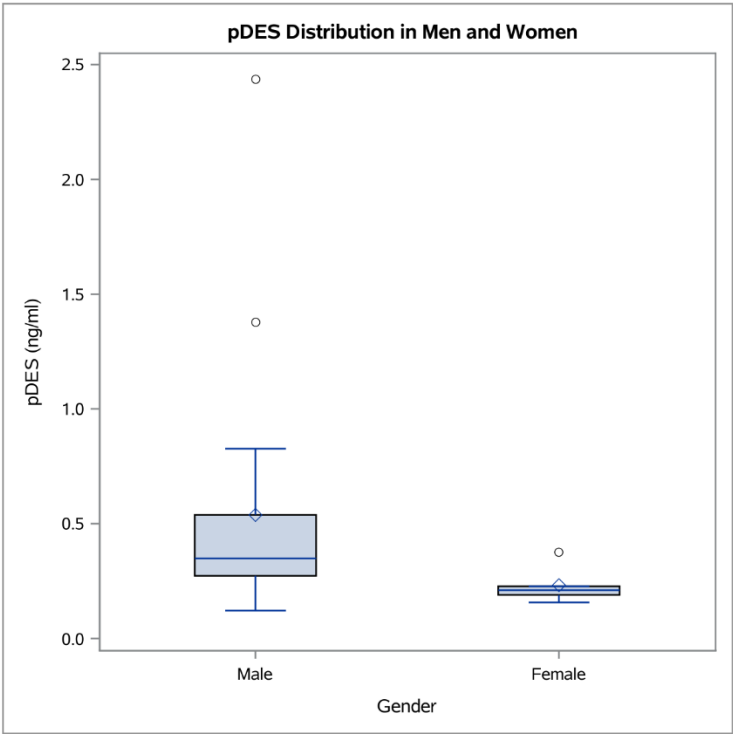
† These authors contributed equally to this work.

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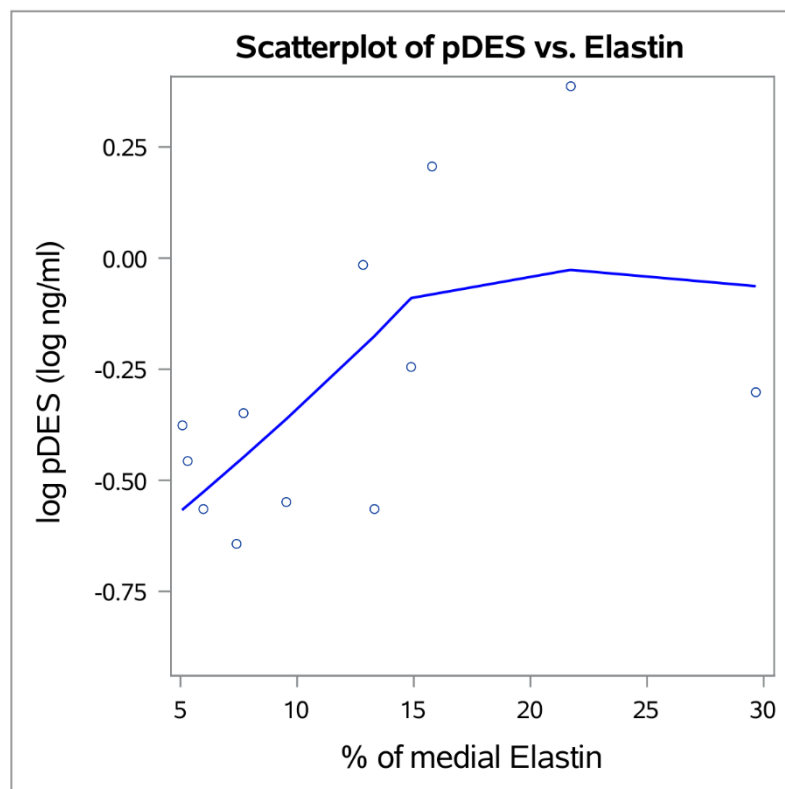
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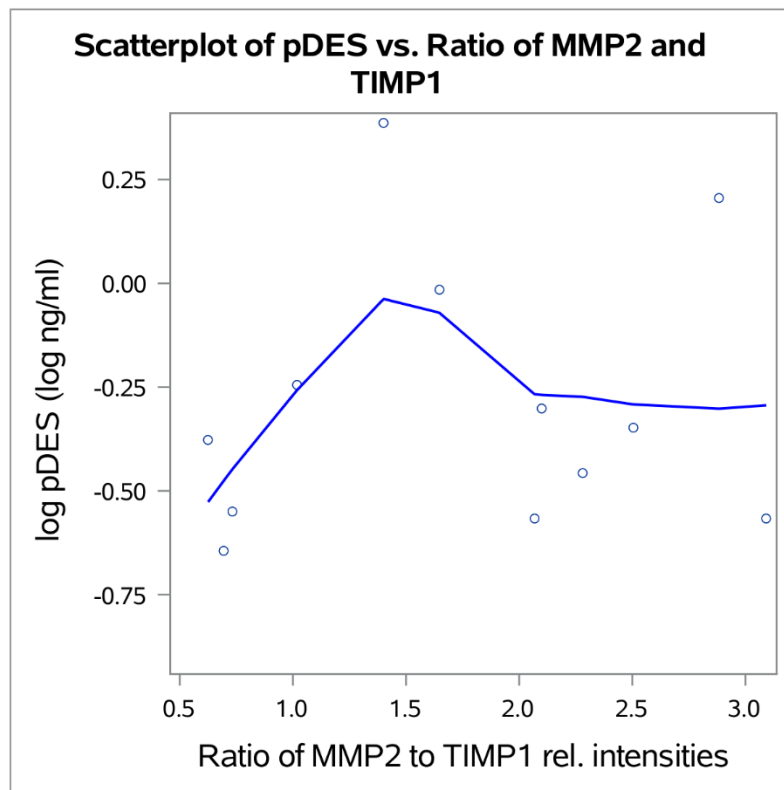
Supplementary Figures and Tables



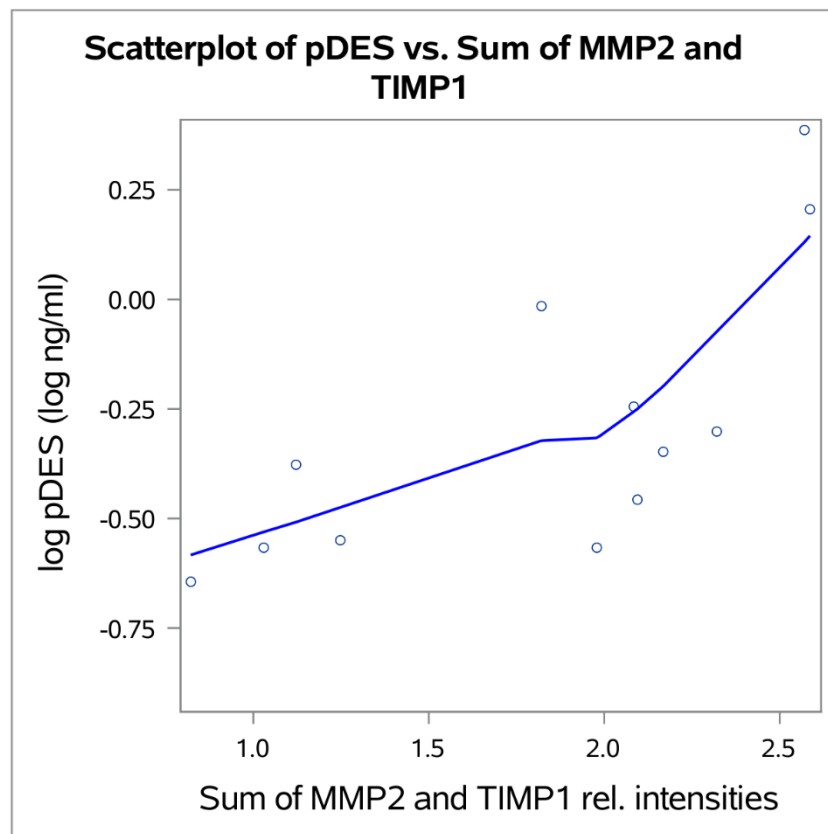
**Supplementary Figure S1.** Boxplot showing the distribution of pDES levels in male and female TAAA patients.



**Supplementary Figure S2.** Scatterplot illustrating of elastin percentage in the aortic media plotted against log(pDES). A LOESS-smoothed best-fit line is included to highlight trends in the data.



**Supplementary Figure S3.** Scatterplot illustrating the ratio of MMP2 and TIMP1 relative intensities plotted against log(pDES). A LOESS-smoothed best-fit line is included to highlight trends in the data.



**Supplementary Figure S4.** Scatterplot illustrating the sum of MMP2 and TIMP1 relative intensities plotted against log(pDES). A LOESS-smoothed best-fit line is included to highlight trends in the data.

**Supplementary Table S1.** Anonymized patient identifiers, number and anatomical origin of full-thickness aortic wall segments used for Western blot analysis, corresponding plasma desmosine (pDES) values, and aggregated per-patient densitometric intensities of MMP2, MMP9, MMP12, and TIMP1.

ID	Segments (n)	Types	pDES (ng/mL)	log(pDES)	MMP2	MMP9	MMP12	TIMP1
1	3	T, SR, IR	0.50	-0.57	0.94	0.94	0.68	0.25
2	1	T	0.28	-0.64	0.51	0.51	0.87	0.48
3	1	T	0.42	-0.35	0.17	1.59	0.62	0.62
4	3	T, SR, IR	0.38	-0.46	1.21	0.89	0.64	0.64
5	2	SR, IR	0.35	-0.57	0.69	1.30	0.65	0.65
6	1	T	0.48	0.21	0.69	0.88	0.67	0.67
7	2	T, SR	0.19	-0.38	0.88	1.59	0.69	0.69
8	1	IR	0.16	-0.55	0.12	0.86	0.72	0.72
9	1	T	0.27	-0.30	0.42	1.61	0.75	0.75
10	2	T,SR	0.21	-0.24	0.15	0.91	1.03	1.03
11	1	T	0.21	0.39	0.73	0.81	1.07	1.07
12	1	SR	0.27	-0.02	0.59	0.59	1.09	0.69

Abbreviations: T = thoracic; SR = suprarenal; IR = infrarenal.