

**Use of esophageal balloon pressure-volume curve analysis to
determine esophageal wall elastance and calibrate raw esophageal
pressure: a bench experiment and clinical study**

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Additional file 4: Table S1

Table S1 Measured chamber elastance (cmH₂O/ml) in chambers with different inner volumes^a

Baseline chamber pressure	Chamber inner volume				
	1000 ml	500 ml	250 ml	175 ml	125 ml
5 cmH ₂ O	1.0	1.8	4.2	5.8	8.2
10 cmH ₂ O	1.0	2.0	4.2	5.9	8.1
15 cmH ₂ O	1.1	2.0	4.2	5.6	8.0
20 cmH ₂ O	1.1	1.8	3.9	5.4	7.6
25 cmH ₂ O	0.9	1.9	3.9	5.2	7.5
30 cmH ₂ O	0.9	1.7	3.9	5.2	7.5
Median (IQR)	1.0 (0.9–1.1)	1.9 (1.8–2.0)	4.1 (3.9–4.2)	5.5 (5.2–5.8)	7.8 (7.5–8.1)

IQR: interquartile range.

^aChamber elastance was measured as the slope of least square fitting between the chamber pressure and balloon volume. Coefficient of determination in least square fitting ranged from 0.987 to > 0.999.