

Supplementary Table 1. Summary of Doppler examinations for various combinations of compliance and tube length

Proximal Compliance Level	Distal Compliance Level	PSV (cm/sec)	MDV (cm/sec)	RI	PI	AT (msec)	AI (cm/sec ²)
High (0.5)	Low (0.5)	341.6	-7.6	1.02	3.16	110	3406.4
	High (0.5)	300.8	0	1	2.7	110	2827.1
High (1)	Low (1)	280.4	-22.9	1.08	2.1	110	2549
	High (1)	224.3	17.8	0.92	1.73	70	2876.7
	Low (2)	211.6	25.5	0.88	1.38	110	1668.5
	High (2)	267.6	28.0	0.9	2	110	2131.9
	Low (0.5)	241	-1.5	1.01	2.7	90	2638.9
	High (0.5)	236.8	-22.9	1.1	3.28	120	2196.3
High (1)	Low (1)	200.5	17.2	0.91	1.97	90	1994.7
	High (1)	168.1	15.3	0.91	1.71	130	1160.5
	Low (2)	160	34.4	0.8	1.6	100	1165
	High (2)	177.6	28.6	0.84	1.59	110	1354.2
	Low (0.5)	250.2	-34.4	1.14	3.76	90	3098.1
	High (0.5)	208.2	15.3	0.93	3.04	80	2315.6
High (2)	Low (1)	249.8	-40.8	1.16	2.76	80	3090.8
	High (1)	158.5	32.5	0.79	1.99	80	1623.3
	Low (2)	226.9	35.7	0.84	1.48	120	1444.4
	High (2)	177.6	36.3	0.8	1.68	70	1855.1

Numbers in parentheses indicate the length of the tube in meters. "Low" indicates a polyethylene tube with low compliance, and "high" indicates a rubber tube with relatively high compliance.

PSV, peak systolic velocity; MDV, minimum diastolic velocity; RI, resistive index; PI, pulsatility index; AT, acceleration time; AI, acceleration index.