

Table 2 Different parameters calculated in the inspiration phase by numerical simulation, for a set of 81 patients (control group)

n	A _R	A _L	Q _R	Q _L	Q _T	Φ	R	n	A _R	A _L	Q _R	Q _L	Q _T	Φ	R
1	97.06	137.10	7.19	7.05	14.25	1.03	16.96	42	87.79	61.90	8.29	6.02	14.31	1.41	6.53
2	93.90	106.36	4.92	8.91	13.82	1.54	7.97	43	69.00	63.45	7.01	6.91	13.92	1.16	5.41
3	106.47	118.01	6.29	8.36	14.65	1.24	8.46	44	180.17	114.65	9.02	5.57	14.59	1.68	11.10
4	90.53	68.08	6.83	6.72	13.55	1.08	4.67	45	84.79	89.05	7.35	6.78	14.13	1.10	7.21
5	154.70	156.26	6.13	8.13	14.27	1.48	11.21	46	88.87	81.99	8.20	6.10	14.30	1.30	4.70
6	91.91	84.74	4.61	9.33	13.94	1.69	9.43	47	128.56	120.98	4.88	9.61	14.49	1.65	10.84
7	99.78	110.86	5.16	9.13	14.29	1.51	12.69	48	111.26	120.89	7.15	7.39	14.54	1.03	6.87
8	121.60	125.26	7.59	6.64	14.23	1.13	11.64	49	110.92	95.16	6.38	7.88	14.26	1.18	13.58
9	94.65	100.46	6.61	7.41	14.02	1.10	5.23	50	84.57	71.49	6.55	7.79	14.35	1.23	12.75
10	75.60	82.26	7.45	6.39	13.83	1.20	6.87	51	125.31	131.48	7.57	7.00	14.57	1.10	12.95
11	62.84	66.04	7.02	6.41	13.42	1.24	5.76	52	103.88	110.41	7.04	7.54	14.58	1.05	8.42
12	63.71	73.88	5.46	8.72	14.18	1.60	5.92	53	105.15	99.59	8.62	5.80	14.41	1.34	5.94
13	124.90	127.22	6.66	8.12	14.78	1.19	18.21	54	81.27	121.94	7.51	6.51	14.02	1.13	5.80
14	83.15	84.48	5.04	8.51	13.55	1.51	6.08	55	80.29	127.37	6.66	7.41	14.08	1.09	16.93
15	82.11	79.65	7.71	6.64	14.35	1.18	4.95	56	80.60	91.00	6.40	7.50	14.08	1.17	2.75
16	90.00	83.41	6.62	7.50	14.12	1.14	5.33	57	97.00	108.20	6.50	7.60	14.08	1.13	9.55
17	78.22	111.62	8.19	6.31	14.51	1.25	6.35	58	63.50	55.60	6.70	7.30	14.08	1.28	11.00
18	103.26	97.44	8.63	5.99	14.62	1.31	6.13	59	77.09	80.27	9.68	4.38	14.08	1.83	19.82
19	113.77	111.36	7.60	6.39	13.99	1.14	5.41	60	95.25	89.32	7.95	6.26	14.08	1.22	7.58
20	117.70	121.89	9.00	6.61	15.61	1.27	12.29	61	165.80	134.00	9.30	4.90	14.08	1.86	14.72
21	109.52	107.04	6.63	7.53	14.16	1.10	8.36	62	111.00	94.00	8.00	6.70	14.08	1.15	12.85
22	94.92	99.73	6.92	7.39	14.31	1.06	14.99	63	86.70	104.00	7.20	7.30	14.08	1.02	14.21
23	88.77	82.36	7.34	6.62	13.96	1.12	9.02	64	103.40	95.00	7.70	6.80	14.08	1.10	15.75
24	81.33	76.20	7.18	6.77	13.95	1.12	6.12	65	60.40	62.00	7.20	7.10	14.08	1.20	6.37
25	91.68	90.98	8.40	5.57	13.96	1.37	10.88	66	122.20	129.10	4.00	10.78	14.08	1.98	12.68
26	94.65	91.24	5.16	8.91	14.07	1.49	8.15	67	87.80	120.00	8.50	6.10	14.08	1.30	9.53</