

Table 1. Variables of ventilation and mechanics at different pressure support levels in the obstructive model ($\bar{x} \pm s$).

PS level	PS5	PS10	PS15	PS20	PS25	<i>P</i>
V _T (ml)	259.63±2.89	424.01±2.95	582.92±3.17	697.09±4.75	903.45±6.75	<0.001
Flow _{trig} (L/min)	7.60±0.23	7.57±0.27	7.62±0.24	7.40±0.25	7.39±0.34	0.158
PIF(L/min)	21.64±0.07	32.91±0.22	44.62±0.08	54.00±0.22	61.82±0.27	<0.001
PEF(L/min)	18.22±0.09	27.23±0.31	37.13±0.20	41.76±0.70	46.85±0.29	<0.001
C _{rs} (ml/cmH ₂ O)	51.63±0.96	42.34±1.11	38.87±0.67	35.00±0.57	37.04±1.14	<0.001
R _{insp} (cmH ₂ O/L·s)	15.07±0.38	17.12±0.34	17.68±0.26	17.91±0.45	22.99±0.25	<0.001
	13.11±0.32	17.45±0.39	18.81±0.27	22.51±0.59	18.28±0.69	<0.001
R _{exp} (cmH ₂ O/L·s)	3.27±1.91	-15.32±2.22	-22.26±1.34	-30.00±1.13	-25.92±2.29	<0.001

C _{rs} error	-24.64±1.91	-14.42±1.68	-12.09±1.28	-10.44±2.25	14.93±1.23	<0.001
R _{insp} error	-34.47±1.62	-12.74±1.96	-5.95±1.34	12.57±2.97	-8.61±3.44	<0.001
R _{exp} error						

Table 2. Variables of ventilation and mechanics at different pressure support levels in the obstructive and restrictive (mixed) model
($\bar{x} \pm s$).

PS level	PS5	PS10	PS15	PS20	PS25	<i>P</i>
V _T (ml)	195.12±0.61	296.88±1.97	390.04±1.46	518.15±1.63	649.15±2.37	<0.001
Flow _{trig} (L/min)	6.63±0.20	6.31±0.16	6.43±0.23	6.43±0.34	6.34±0.32	0.07
PIF(L/min)	18.53±0.07	29.04±0.05	40.24±0.18	50.79±0.38	61.81±0.10	<0.001
PEF(L/min)	14.37±0.62	22.55±0.89	30.03±0.73	40.29±1.10	50.93±0.32	<0.001
C _{rs} (ml/cmH ₂ O)	39.63±1.52	29.58±0.51	26.11±0.48	25.78±0.42	25.79±0.18	<0.001
R _{insp} (cmH ₂ O/L·s)	15.09±0.39	16.45±0.26	17.97±0.22	18.95±0.26	17.07±0.26	<0.001
	14.67±1.08	17.13±0.60	22.00±0.83	18.22±0.84	21.31±0.21	<0.001
R _{exp} (cmH ₂ O/L·s)	58.52±6.07	18.31±2.02	4.46±1.91	3.14±1.68	3.17±0.71	<0.001

s)	-24.55±1.95	-17.76±1.32	-10.13±1.11	-5.25±1.29	-14.63±1.31	<0.001
C _{rs} error	-26.64±5.41	-14.34±2.98	9.98±4.13	-8.88±4.20	6.56±1.06	<0.001
R _{insp} error						
R _{exp} error						

Table 3. Variables of ventilation and mechanics at different pressure support levels in the severely restrictive model ($\bar{x} \pm s$).

PS level	PS5	PS10	PS15	PS20	PS25	<i>P</i>
V _T (ml)	350.13±0.20	465.01±0.66	583.85±0.66	697.62±0.84	808.08±0.75	<0.001
Flow _{trig} (L/min)	20.28±1.72	19.38±3.17	20.97±2.05	19.54±1.75	19.12±1.35	0.286
PIF(L/min)	67.03±0.12	89.52±0.12	111.97±0.23	135.43±0.28	154.91±0.25	<0.001
PEF(L/min)	63.50±0.16	84.12±0.17	101.27±0.16	117.18±0.30	128.13±0.15	<0.001
C _{rs} (ml/cmH ₂ O)	61.99±1.12	43.14±0.19	37.00±0.12	33.57±0.13	31.39±0.17	<0.001
R _{insp} (cmH ₂ O/L·s)	1.69±0.11	2.48±0.21	3.20±0.20	3.32±0.08	3.51±0.11	<0.001
R _{exp} (cmH ₂ O/L·s)	2.16±0.05	3.17±0.04	3.78±0.05	4.16±0.07	4.33±0.14	<0.001
C _{rs} error	147.95±4.49	72.55±0.77	48.00±0.48	34.29±0.50	25.58±0.67	<0.001

Rinsp error	-66.20±2.15	-50.35±4.29	-36.02±3.94	-33.55±1.68	-29.83±2.23	<0.001
Rexp error	-56.89±1.08	-36.64±0.80	-24.32±1.09	-16.81±1.33	-13.48±1.84	<0.001

Table 4. Variables of ventilation and mechanics at different pressure support levels in the semi-supine normal adult model ($\bar{x} \pm s$).

PS level	PS3	PS5	PS7	<i>P</i>
V _T (ml)	609.72±0.49	632.51±6.76	929.18±1.51	<0.001
Flow _{trig} (L/min)	8.83±0.55	9.83±0.84	10.16±0.25	<0.001
PIF(L/min)	48.88±0.13	58.96±0.30	74.36±0.95	<0.001
PEF(L/min)	44.57±0.30	50.12±0.46	69.64±0.27	<0.001
C _{rs} (ml/cmH ₂ O)	197.26±11.62	123.29±5.82	137.51±3.03	<0.001
R _{insp} (cmH ₂ O/L·s)	2.35±0.05	3.48±0.11	3.60±0.11	<0.001
R _{exp} (cmH ₂ O/L·s)	2.68±0.13	5.19±0.17	3.77±0.16	<0.001
C _{rs} error	294.51±23.25	146.59±11.64	175.03±6.06	<0.001

Rinsp error	-53.02±1.09	-30.31±2.17	-28.09±2.13	<0.001
Rexp error	-46.30±2.68	3.89±3.42	-24.58±3.14	<0.001