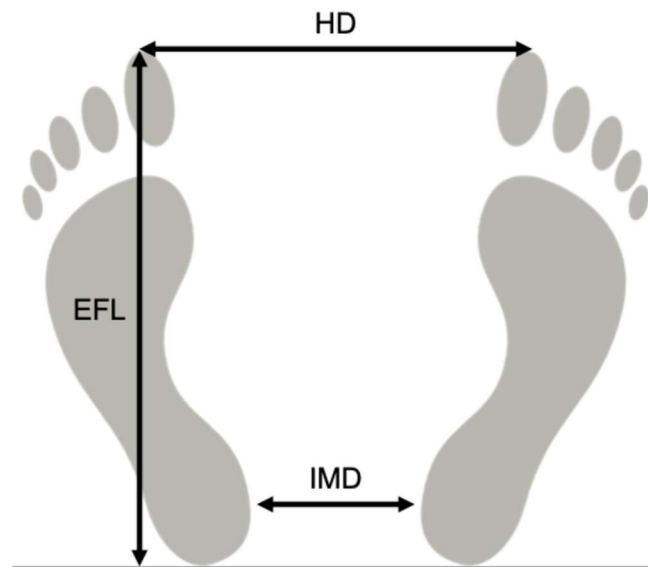


Supplementary Material

Postural stability during low-intensity respiratory loading in pre-COPD and healthy adults: a cross-sectional study.



Supplementary Figure 1. Representation of the measures for the calculation of the base of support area. HD, halluces distance; EFL, effective foot length; IMD, inter-malleolus distance.

Supplementary Table 1. Between-group comparisons of center of pressure outcomes during breathing without loading, with inspiratory loading, and expiratory loading

Outcome	Load condition	Pre-COPD (n=17)	Healthy (n=14)	p-value	95% CI	
Mean amplitude (m ⁻¹)	Anteroposterior	Without load	4.82±0.72	4.82±1.05	0.977	-0.660 to 0.641
		Inspiratory load	5.81±0.92	4.81±0.73	0.003	0.376 to 1.618
		Expiratory load	4.88±0.86	5.05±0.77	0.557	-0.778 to 0.427
	Mediolateral	Without load	2.77±0.80	2.59±0.51	0.465	-0.322 to 0.687
		Inspiratory load	3.51±0.74	2.66±0.59	0.002	0.348 to 1.344
		Expiratory load	2.84±0.83	2.79±0.67	0.848	-0.511 to 0.617
Mean velocity (m ⁻¹ ·s ⁻¹)	Anteroposterior	Without load	8.65±1.40	7.98±1.57	0.217	-0.417 to 1.762
		Inspiratory load	10.54±2.55	8.04±1.15	0.002	0.991 to 4.014
		Expiratory load	9.08±2.07	8.45±1.08	0.313	-0.625 to 1.884
	Mediolateral	Without load	7.47±1.56	6.38±1.13	0.037	0.070 to 2.110
		Inspiratory load	8.59±1.84	6.44±1.22	<0.001	0.971 to 3.324
		Expiratory load	7.78±1.71	6.57±1.15	0.034	0.096 to 2.292
	Total	Without load	12.72±2.09	11.42±1.73	0.073	-0.129 to 2.734
		Inspiratory load	14.81±3.33	11.52±1.53	0.002	1.314 to 5.270
		Expiratory load	13.29±2.86	11.94±1.43	0.119	-0.367 to 3.068

Data are presented as mean (SD), unless otherwise noted. Bold values indicate statistically significant differences (<0.05).