

Test		R ²	Intercept	β ¹	Estimated Error	P	F _(1,13)	Multiple Regression (Final model)
CPX								
Duration,s	BMI	0.56	968.07	-11.93	74.31	0.001	16.81	y= 1203.33-4.7(WC)-3.2(BAI) R ² =0.61
	WC	0.48	1182.10	-5.77	80.48	0.003	12.41	
	Weight	0.38	738.00	-2.45	88.49	0.01	8.02	
	BAI	0.32	697.42	-5.02	92.13	0.02	6.39	
VE,l/min	WC	0.52	-147.73	1.70	22.21	0.002	14.27	
VCO ₂ ,l/min	WC	0.62	-5.33	0.06	0.64	0.000	21.48	y= -3.34+0.02(WC)+0.81(FVC) R ² =0.95
	FVC	0.90	-1.21	1.01	0.32	0.000	121.89	
	Weight	0.77	-1.47	0.03	0.49	0.000	46.02	
ISWT								
VCO ₂ ,l/min	WC	0.51	-3.66	0.04	0.56	0.002	13.78	y= -2.57+0.02(WC)+0.44(FVC) R ² =0.67
	FVC	0.59	-0.48	0.64	0.51	0.000	19.34	
	Weight	0.56	-0.76	0.02	0.53	0.001	16.87	
VE,l/min	Weight	0.48	-12.78	0.54	15.95	0.004	12.12	y= -40.29 + 12.7(FVC)+1.09(NC) R ² =0.54
	FVC	0.50	-5.36	16.06	15.61	0.003	13.22	
	NC	0.33	-5.76	2.55	18.08	0.02	6.55	
	WC	0.43	-85.63	1.07	16.61	0.007	10.16	
6MWT								
VO ₂ ,ml/kg/min	Weight	0.32	7.04	0.05	2.14	0.02	6.13	y= 6.82+0.002(Weight)+1.70(FVC) R ² =0.44
	FVC	0.44	6.91	1.44	1.94	0.006	10.45	
VE,l/min	WC	0.38	-59.42	0.79	13.52	0.01	8.26	y= -27.67 + 12.91(FVC) + 0.18 (WC) R ² =0.69
	Weight	0.58	-13.91	0.46	11.15	0.000	18.26	
	FVC	0.68	-10.35	14.57	9.74	0.000	27.98	

Table 3. Univariate analysis and multiple linear regression of the three tests (CPX, ISWT, 6MWT) among metabolic, ventilatory and performance with anthropometric and general adiposity

CPX=cardiopulmonary exercise testing; ISWT=incremental shuttle walking test; 6MWT=six minute walking test; VO₂=oxygen uptake; VE=volume expiratory; VCO₂=carbon dioxide production; WC=waist circumference; BMI=body mass index BAI= body adiposity index.