

Table 1) Mean of demographic information and prevalence of asthma and sport asthma among students of Gorgan and Kerman cities

	Students of Gorgan (n=64)	Students of Kerman (n=64)
Age (year)	12.89±0.89	12.64±0.75
Height (cm)	152.44±7.95	153.20±8.92
Weight (kg)	46.54±4.65	47.09±3.90
BMI (kg/m²)	20.14±3.52	20.12±3.30
The prevalence of asthma	15 persons (13.04%)	13 persons (11.30%)
The prevalence of sport asthma	18 persons (15.65%)	21 persons (18.26%)
Exercise-induced bronchospasm	16 persons (13.91%)	20 persons (17.39%)

Table 2) Comparison of mean of lung volumes at different stages of measurement in the cities of Gorgan and Kerman

Variables	Students of Gorgan (n=64)	Students of Kerman (n=64)	Significance level between the groups
PVC (Liter)			
Before the activity	2.16±0.30	2.44±0.47	0.001
Immediately after the activity	2.12±0.33	2.37±0.46	
7 minutes after the activity	2.15±0.36	2.44±0.46	
20 minutes after the activity	2.16±0.38	2.45±0.44	
Significant difference within the group	0.37	0.004	
FEV (Liter)			
Before the activity	2.20±0.29	2.51±0.44	0.11
Immediately after the activity	2.10±0.31	2.21±0.41	
7 minutes after the activity	2.00±0.31	2.11±0.43	
20 minutes after the activity	2.20±0.31	2.01±0.41	
Significance level within the group	0.53	0.11	
PEF (L/s)			
Before the activity	4.36±0.86	4.56±1.17	1.98
Immediately after the activity	4.32±0.87	4.54±1.16	
7 minutes after the activity	4.19±0.75	4.46±1.21	
20 minutes after the activity	4.20±0.86	4.41±1.23	
Significance level within the group	0.26	0.26	
MEF_{50%} (L/s)			
Immediately after the activity	2.39±0.24	2.89±0.26	0.48
7 minutes after the activity	3.80±0.26	3.50±0.29	
20 minutes after the activity	2.79±0.25	2.87±0.24	
Significance level within the group	2.89±0.28	2.87±0.28	
Immediately after the activity	0.03	0.01	