**Title:** The relationship between pulmonary function tests and gender among smokers with no respiratory symptoms

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**Body:** Aim: In some studies, it is shown that, there is declines in pulmonary function test due to cigarette consumption. In this study we aimed to investigate the relationship between respiratory function test, cigarette consumption (packet-year) and gender among smokers with no respiratory symptoms. Method: Total of 197 files of patients who admit to smoking cessation clinic were evaluated between March 2011-January 2012. 86 cases who have no respiratory complaints were enrolled in this study. Statistical analysis were done by using SPSS 15.0 statistical program. The mean cigarette consumption and pulmonary function test values [FVC(L), FEV₁(L/1.sn), FEV₁/FVC%, PEF (L/sn), MEF₂₅₋₇₅] of male and female sex were compared. Results: 22 patients (% 25.6) were female, 64 patients (%74.4) were male. Mean age of female was 38.5±9.7, male was 38.3±11.4. The mean cigarette consumption; 26±17 packet-year for men, 19±16 packet-year for female. There was no statistical difference between female and male according to cigarette consumption and age (P>0.05). The mean values of respiratory function test of male patients were; FVC=4702 ml(%102), FEV₁=3650 mL/1.sn (%95), FEV₁/FVC% =77, PEF=8508 mL/sn(%93), MEF₂₅₋₇₅=3330 (%74). The mean values of respiratory function test of female patients were; FVC=3286 mL(%103), FEV₁=2607 mL/1.sn (%94), FEV₁/FVC% =79, PEF=6175 mL/sn (%93), MEF₂₅₋₇₅=2650 (%69). The relationship between pulmonary function test values and gender was not statistically meaningful (p>0.05). Among female, the mean % values of MEF₂₅₋₇₅ were lower than the normal range that shows effected small airways. Conclusion: Damage to small airways due to smoking begins earlier periods among women.