

random cafes in al nassirryha city. Data were collected through structured questionnaire and pulmonary function test was performed by portable Spiro lab III spirometer after gaining the participant consent.

Results: There was significant differences between the mean ages of the study groups (p value<0.05).water pipe smokers (35.44±10.79) cigarette smokers (46.09±10.54), and nonsmokers (35.55±11.07). The present study revealed that there was a significant reduction in the parameters of the pulmonary function test (FEV1), (FVC)(FEV1/FVC),(PEF),(FEF25-75%)and(MVV)for the two groups of smokers as compared to the control group (P < 0.01) .Lung function impairments were very severe in water pipe smokers as compare with cigarette smokers(P < 0.05). There were significant inverse correlations between all PFT values and duration and total amount of WP smoking and number of WP smoked per week(P < 0.01) .

Conclusion: The results from this study showed that there was a profound effect of WP smoking on PFT values, which were more severe to the effects of cigarette smoking.

Keyword: water pipe smoker ,pulmonary function test, nassiryha-Iraq.

