

EFFECT OF CIGAR SMOKING ON URINARY CALCIUM, ASCORBIC ACID AND
CREATINE LEVELS IN POST MENOPAUSAL WOMEN

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In Jaffna, especially older women smoke cigars daily. To elucidate the effect of cigar smoking on the above mentioned parameters, the studies were carried out in 40 healthy post menopausal women in the age of 50 -70 years.. They were grouped into smokers (20) and non smokers (20). The non smokers were treated as control.

Urinary calcium level was measured by orthocresolphalin complexone (CPC) method. A significant increase was observed in urinary calcium excretion in smokers than controls.

Urinary level of ascorbic acid was measured by DCPIP method. Urinary excretion of ascorbic acid in smokers was less than that of non smokers in post menopausal women. But the difference was statistically significant.

Urine creatinine level was measured by alkaline picrate method. The urinary calcium level of smokers was significantly higher than non smokers.