



**Figure 4: Epididymidis of adult rat treated with 1000 µg/kg dose, epididymal wall thickness decreased, lumen dilated hugely and spermatozoal clumps became much abundant than that of control, X 200, H & E.**

**Table 1: The Effect of Melatonin on Epididymal Weight of Adult Male Rats.**

<i>Daily dose of melatonin in µg/kg body weight</i>	<i>Epididymal weight at autopsy (in mg) of adult rats</i>
Control	4.3±64.3
125	4.9±28.4 NS
250	5.1±23.2 NS
500	5.9±26.3 NS
750	6.6±31.1 NS
1000	9.2±61.3 NS

-Results were expressed in mean± SD of 8 rats.

-The difference of each dose group was statistically insignificant when compared with its control:

(\* P>0.05; NS= not significant).