The Effect of nasal obstruction on the nasal and middle ear mucosa in experimental animals

By
Ahmed Allam , Hosam Abdel Hay,
Nabil El - Debeky, Mahmoud Abdel Ghafar, Adel Helmy ,
Ahmed El - Taweeel * and Sami Abdel Moniem.

Abstract :

The effect of nasal obstruction on the nasal and middle ear mucosa was studied on 138 albino rats with unilateral and bilateral nasal obstruction for variable periods up to 3 months .

Group 1 was composed of 100 rats which were subjected to unilateral nasal closure . They were divided into 5 equal subgroups and were sacrificed after variable periods so as to study the histological changes of the nasal and ear mucosa .

Group II was composed of 38 rats, these being subjected to bilateral nasal closure. These had died within 9 days.

The nasal mucosa of the open side showed squamous metaplasia , vas-

* Pathology Dept . , Ain Shams university .