DOES SEPTOPLASTY AFFECT THE SIZE OF COMPENSATORY HYPERTROPHY OF THE INFERIOR TURBINATE IN DEVIATED NASAL SEPTUM?

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Abstract:

Introduction: Septal deviation is usually associated with compensatory hypertrophy of the contralateral inferior nasal turbinate. The current treatment of septal deviation is septoplasty but there is controversy about surgery for the hypertrophied inferior turbinate because of evidence that degree of satisfaction of patients who undergo septoplasty alone is similar to those who undergo septoplasty and turbinectomy. Aim of work: to determine the effect of septal surgery alone in patients with C shaped deviated nasal septum on the hypertrophied inferior turbinate radiologically and functionally. Patients and Methods: This prospective study was done on 40 patients during the period from (January 2014 to June 2015) complaining of bilateral nasal obstruction caused by C shaped septal deviation and inferior turbinate hypertrophy, their age ranged from 19-35 year. All of them underwent septoplasty alone without turbinate surgery. The volume of the hypertrophied inferior turbinate was measured before and after surgery by CT scan of paranasal sinuses coronal and axial planes. Results: According to the results obtained from this study septoplasty alone significantly decreased the mean volume of hypertrophied inferior turbinate by 0.825mm3 (p value

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