ABSTRACT

RELATIONSHIP BETWEEN NASAL SEPTUM DEVIATION AND RHINOSINUSITIS

Lidya Pertiwi Suhandoko[I], Irwan Kristyono[II], Kusuma Eko Purwantari[III]
Medical Faculty of Universitas Airlangga

Background: Rhinosinusitis is an inflammation of the nose and the paranasal sinuses characterised by two or more symptoms, one of which should be either nasal blockage/obstruction/congestion or nasal discharge (anterior/posterior nasal drip): ± facial pain/pressure and ± reduction or loss of smell and either endoscopic signs of: nasal polyps, and/or mucopurulent discharge primarily from middle meatus and/or oedema/mucosal obstruction primarily in middle meatus and/or CT changes: mucosal changes within the ostiomeatal complex and/or sinuses. Nasal septum deviation can change the flow of the air inside nasal cavity, nasal cycle, and impairment of mucociliary clearance. The relationship between nasal septum deviation and rhinosinusitis is still unclear.

Purpose: This research aim to know the relationship of nasal septum deviation and rhinosinusitis.

Method: This research was descriptive-observational study with cross-sectional design. The datas in this research is collected by interviewing patients in URJ THT-KL RSUD dr. Soetomo Surabaya in January until February 2017. Data collection is based on consecutive sampling. Data analysis uses chi-square tests.

Results: There are 62 total sample of the patients. The result of this research is that there is no relationship between nasal septum deviation and rhinosinusitis ($p=0,264$; $\alpha = 0,05$; $p > \alpha$). This can happen because rhinosinusitis is caused by environmental exposure, other anatomical factors, allergy, ciliary imparment, smoking, anxiety and depression, drug resistance, and genetic.

Conclusion: There is no relationship between nasal septum deviation and rhinosinusitis.

Keywords: *nasal septum deviation, rhinosinusitis*