S20

The diagnostic value of Platelet Distribution Width in patients with nasal polyps

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Abstract

Objectives: The purpose of the present study was to investigate whether high platelet distribution width (PDW) levels correlated with nasal polyps.

Methods: The study was performed retrospectively in 99 patients who underwent endoscopic sinus surgery for nasal polyposis. Data were collected from the routine preoperative hemograms of the patients. The study group was compared with an age- and sex-matched control group including 99 healthy subjects. The Mann–Whitney U test was used to compare the results of the two groups.

Results: The PDW levels of the study group were statistically higher than those of the control group (p=0.041).

Conclusion: The rise in the PDW levels in the nasal polyposis group may be explained by allergic inflammation. More detailed studies are needed to confirm this.

Key words: Platelet distribution width, nasal polyposis, inflammation, allergy

References