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The effect of treatment therapy on the levels of specific immunoglobulin-E and calciferol serum of the patients with allergic rhinitis

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This research aimed to find out the effect of the treatment therapy of the additional vitamin D on the levels of specific IgE of the patients with allergic rhinitis. This is an experimental research with pre-and post-test design. The research involved 40 patients with allergic rhinitis, who were divided into two groups. Group-1 consisting of 20 patients, treated with intranasal spray Fluticasone therapy and vitamin D of 2 400 IU for 21 days and Group-2 consisting of 20 patients were only treated with intranasal spray Fluticasone for 21 days. The levels of the calciferol and IgE of specific Der p of both groups of patients were examined before and after the therapy. The examination of the calciferol and IgE specific Der p was done using ELISA method. From the analysis both groups did not showed any significant difference ($p>0.05$) based on the gender and age of the patients. The result of Mann-Whitney analysis revealed a significant change difference ($p>0.05$) between the two groups, that is, the level of IgE specific Der p showed greater decrease in the group receiving vitamin D compared to the group not receiving vitamin D.

Biography

Abdul Qadar Punagi has his expertise in rhinology and passion in research related nose disease and allergy. He is recently Chairman of Division of Rhinology and Head of Department t of ORL, Hasanuddin University.

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