

Does low levels of vitamin D only show the severity of the disease in children with asthma?

 **Serdar Kalemci**,¹  **Aydin Sarihan**,²  **Abdullah Simsek**,³  **Arife Zeybek**⁴

¹Department of Chest Diseases, Medical Park Gebze Hospital, Kocaeli, Turkey

²Department of Emergency Medicine, Manisa City Hospital, Manisa, Turkey

³Department of Chest Diseases, Bursa Chest Disease Hospital, Bursa, Turkey

⁴Department of Chest Surgery, Mugla Sitki Kocman University Faculty of Medicine, Mugla, Turkey

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We read with great interest the article that has recently been published by Ozkars et al. entitled “The relationship between serum vitamin D level and asthma” [1]. The authors of this study have detected significantly low levels of serum vitamin D concentration in children with moderate persistent asthma when compared to children with mild persistent asthma and control subjects. The most important component of the treatment of children with asthma is inhaled corticosteroids, and as the severity of the disease increases, the applied dose of inhaled corticosteroid increases [2]. Searing et al. have shown that the use of inhaled corticosteroids may decrease the serum vitamin D levels in children with asthma [2]. Stelmach et al. have shown that use of low-dose inhaled corticosteroids have beneficial effects on calcium-phosphorus metabolism without changing the serum vitamin D levels and adding vitamin D to high-dose inhaled corticosteroid treatment can positively affect calcium-phosphorus metabolism in newly

diagnosed asthmatic children [3]. In Ozkars et al.’s study, the information on the dose and duration of inhaled corticosteroid use has not been provided.

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Correspondence: Dr. Aydin SARIHAN. Manisa Sehir Hastanesi, Acil Tip Klinigi, Manisa, Turkey.
Tel: +90 544 887 71 17 e-mail: aydinsarihan@yahoo.com

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