

World Summit on COPD

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Vitamin D status in children with asthma**Paraschiva Chereches-Panta***University of Medicine and Pharmacy "Iuliu Hatieganu", Romania*

Vitamin D plays an important role in general health, and has characteristics of an hormone. Recent studies proved its immunomodulatory effect in patients with asthma. The authors analyzed the relationship between low serum concentration of 25-hydroxi-vitamin D (25-OH-VitD) and the incidence of exacerbations in children with asthma. We included in th study 131 children with asthma admitted in The Illrd Pediatric Clinic, Clinical Emergency Hospital for Children, Cluj-Napoca, in which we noted the prophylaxis with vitamin D that the patients received, serum concentration of 25-OH-VitD and other factors that correlates with asthma exacerbation. The prevalence of vitamin D deficit was of 58.8% in our sudy group. We noticed a statistical significant corellation between vitamin D deficiency and the asthma exacerbation during the previous 4 weeks ($p=0.02$). In conclusion, the assesment of 25-OH-VitD status may be a usefull parameter for monitoring children with asthma, mainly in those patients with frequent symptoms.

Biography

Senior Physician in Pediatrics (2000), Doctoral Degree in Medicine (2001): "Monitoring of treatment with theophylline administered in children with asthma and in prematures with idiopathic apnea by measuring salivary level of the drug". Lecturer in Pediatrics (2002) at The University of Medicine and Pharmacy "Iuliu Hațieganu", Dpt. 9, Disc. Pediatric III, Cluj Napoca, Overspecialisation in Paediatric Pneumology, Competence in "Special Pulmonary Function Tests", Competence in Pediatric Allergology and Immunology, Member of The Pediatric Pneumology Committee of the Ministry of Health (since 2019)