

عنوان مقاله: Cut off Value for Parathormone Level in Children with Vitamin D Deficiency

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خلاصه مقاله:

Background: When serum level of $\gamma \Delta$ -hydroxy vitamin D [$\gamma \Delta$ (OH) D] decreases, intact Parathormone (iPTH) level increases compensatory. This study aimed to determine the cut off value for iPTH level in γ - $\gamma \varphi$ -ar-old children with vitamin D (VD) deficiency. Methods: This cross-sectional study was performed on $\gamma \Delta$ children aged γ - $\gamma \varphi$ are old who referred to the endocrinology clinic of Amirkola Children's Hospital for growth assessment. Census sampling was conducted from January $\gamma \cdot \gamma \varphi$ to June $\gamma \cdot \gamma \varphi$ according to the eligibility criteria including height and weight above the percentile of $\gamma \phi$ of growth charts and normal serum of calcium level ($>A.\Delta$ mg/dl). Laboratory parameters such as serum calcium, $\gamma \Delta$ (OH) D and iPTH levels were assessed. The children were divided into three groups based on serum levels of $\gamma \Delta$ (OH) D as mild, moderate and severe VD deficiency. The Receiver Operating Characteristic (ROC) curve was used to analyze the cut-off point of iPTH and $\gamma \Delta$ (OH) D.P-Value $< \cdots \Delta$ was considered significant. Results : The mean VD and iPTH levels in children were $\gamma \wedge A \pm \gamma \Delta \gamma$ mg/ml and $\gamma A \cdot T \pm \gamma T \cdot T g$ /ml, respectively. At the iPTH serum level of $\gamma T \cdot \Delta pg/ml$, with a sensitivity of $\gamma A \cdot \gamma \Delta$, there was a possibility of moderate to severe VD deficiency. In the severe deficiency group, at the iPTH serum level of $\gamma T \cdot \Delta pg/ml$ and above, with a sensitivity of $\gamma A \cdot \gamma \Delta$, there was a possibility of severe VD deficiency. The cut-off point of $\gamma \Delta$ (OH) D and iPTH, at the serum VD level $\leq \gamma \cdot ng/ml$ were determined. Conclusions: The results of the present study showed that the cut-off value for iPTH in children with VD deficiency is serum level of $\gamma \Delta OHD \leq \gamma \cdot ng/ml$

> کلمات کلیدی: Children, Parathormone, Vitamin D deficiency

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