

# THE INFLUENCE OF GLUCOCORTICOID THERAPY ON THE CHANGE OF CALCIUM METABOLISM IN PATIENTS WITH BRONCHIAL ASTHMA

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## *Summary*

There was studied the influence of the way of administration of glucocorticoids and the degree of severity of asthma on calcium metabolism. A significant decrease of serum calcium was observed in 48,9 % of patients with moderate asthma and in 51,1 % of patients with severe asthma. A considerable decrease of calcium content ( $2,14 \pm 0,043$  mmol/l) was observed after a five-year use of systemic glucocorticoids, especially in patients with severe asthma. At the same time even the prolonged use of inhaled glucocorticoids didn't affect the calcium level in patients with moderate and severe asthma.