

TRACE ELEMENTS OF BLOOD SERUM IN CHILDREN AND ADOLESCENTS WITH ACTIVE RESPIRATORY TUBERCULOSIS

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Summary

As a result of the study of content of iron, calcium, phosphorus, magnesium and ceruloplasmin in blood serum of 44 children and adolescents with different forms of active respiratory tuberculosis it was determined the presence of dysbalance of trace elements: decreased iron and magnesium content; increased of calcium content and ceruloplasmin activity. The disturbances of metabolism of trace elements were more expressed in patients with complicated course of tuberculosis. It was determined a significant decrease iron content (2 times) and increase of ceruloplasmin activity (2,2–1,6 times) in patients with complicated course of tuberculosis in comparison with noncomplicated course and healthy persons. The disturbances were more expressed in adolescents than in children.