

## **CORRECTION OF PROOXIDANT-ANTIOXIDANT SYSTEM IN CHILDREN WITH COMPLICATED COMMUNITY-ACQUIRED PNEUMONIA**

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**Summary.** The performance of prooxidative system and antioxidant defense in 100 children with complicated community-acquired pneumonia, aged 6–18 years were studied. Determined that in children with complicated pneumonia on a background of a undifferentiated connective tissue dysplasia (I group), there is more pronounced ( $p < 0,001$ ) imbalance antioxidant system than in the absence of connective tissue dysplasia (II group). The inclusion of basic therapy of arginine hydrochloride promoted normalization values of antioxidant (glutathionereductase) in children of both groups and lower levels of indicators of prooxidative system (diene conjugates, active products thiobarbituric acid) ( $p < 0,001$ ) to a greater extent ( $p < 0,001$ ) children of I group.

**Keywords:** *children, prooxidant system, antioxidant defense, pneumonia, therapy, arginine hydrochloride.*