CHANGES OF PULMONARY GAS EXCHANGE WITH HYPOXIA IN ELDERLY PEOPLE WITH PHYSIOLOGICAL AND ACCELERATED AGING OF RESPIRATORY SYSTEM

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Summary

In order to study the peculiarities of the reaction of the respiratory system to hypoxia in elderly people with both accelerated aging of the respiratory system and with physiological aging of the respiratory system, we have examined people of 60–74 years old. The group of physiological aging comprised 34 persons and the group of accelerated aging comprised 32 persons. Functional age of the respiratory system was defined by spirographic parameters with the help of the formula developed by us.

It was shown, that older people with the accelerated aging of respiratory system, in comparison with older people with the physiological aging of respiratory system, had subnormal reaction on the part of pulmonary gas exchange In a greater degree. It leaded to the development of expressed arterial hypoxemia and compensated metabolic acidosis.