

TOTAL POWER OF HEART RATE VARIABILITY SPECTRUM AND THE EFFICACY OF BASIC THERAPY OF CHRONIC OBSTRUCTIVE LUNG DISEASES

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Abstract. The authors have carried out an assessment of the efficacy of basic therapy in chronic obstructive pulmonary diseases (COPD), depending on the initial value of the total power of the heart rate variability spectrum (HRVS). Eighty patients with COPD of stages II-IV were followed up in the outpatient setting. Changes of the clinical signs, the parameters of the function of external respiration (FER) and HRVS were evaluated prior to and in 1, 3 and 6 months of therapy. A positive effect of basic therapy on the course of COPD in the form of improved clinical indices and stabilization of the parameters of FER and HRVS has been ascertained.

Key words: chronic obstructive pulmonary diseases, external respiration function, heart rate variability, general spectrum power, therapy.