

VARIABILITY OF CARDIAC RHYTHM AND ITS CORRELATION WITH MORPHOLOGICAL AND FUNCTIONAL CONDITION OF RIGHT VENTRICLE IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASES AND COR PULMONALE

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Summary

There were studied the parameters of cardiac rhythm variability (CRV) and its correlation with the indices of systolic and diastolic function of right ventricle in 40 patients with chronic obstructive pulmonary diseases (COPD), complicated by cor pulmonale.

Based on CRV time characteristics analysis it was revealed an increased activity of sympathetic neural system and depression of parasympathetic stimulation in these patients. The grade of activation of sympathetic neural system significantly depended on both systolic and diastolic dysfunction of right ventricle, its hypertrophy and systolic pulmonary artery pressure.