

PECULIARITIES OF ENDOTHELIAL-DEPENDENT VASODILATION AND STRUCTURAL AND FUNCTIONAL REMODELING OF THE HEART IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND CONCOMITANT SYSTEMIC HYPERTENSION

L. V. Rasputina

Summary

The results of examination of patients with chronic obstructive pulmonary disease (COPD) and concomitant arterial hypertension are presented in current report. It was established that the progression of COPD and hypertension was associated with gross disturbances of endothelium dependent vasodilation. Current conclusion has been made based on the results of brachial artery vasodilation test and increased prevalence of vasoconstriction among current patients. We demonstrated that progression of COPD and hypertension strongly correlated with decreased concentrations of nitrite/nitrates and increased endothelin-1. These abnormalities were reliably more pronounced in females.