

NITROGEN OXIDE CONTENT IN SALIVARY GLANDS SECRETUM IN HUMANS AT NORM AND PATHOLOGY

*O.V. Myachina, A.A. Zuikova, A.N. Pashkov, A.V. Nikitin,
N.V. Parfyonova, A.A. Cheprasova*

Nitrogen oxide level in patients with cardiovascular and respiratory diseases was studied. Nitrate and nitrite concentrations in saliva and their correlation with arterial tension level were investigated. Content of NO metabolites was determined colorimetrically using Griss reactive. Asynchronous NO secretion was shown. In patients with arterial hypertension and combinative pathology NO content in submandibular and sublingual salivary glands secretum was increased, whereas in healthy people maximum NO content was discovered in right parotid gland. Thus, nitrogen oxide level in saliva is an important marker of physiological and pathophysiological reactions in organism during arterial hypertonia and bronchial asthma.