

Contents

R.M. Lazarenko, Iu.M. Vitko, N.C. Pogorela, R.N. Skryma, Ia.M. Shuba Effects of neuroendocrine differentiation of LNCaP cancer cells in human prostate on characteristics of volume-sensitive chloride current.	3
T.V. Kukoba, O.O. Moybenko, A.V. Kotsjuruba Cardioprotective effect of heme oxygenase-1 induction by hemin on the isolated heart of rat at ischemia/reperfusion	14
R.B.Strutinskii, O.O.Moybenko, S.N.Pyvovar, V.E.Dosenko, L.M.Yagupolskii Atp-sensitive K ⁺ channels and changes in their functional activities under streptozocin-induced diabetes mellitus	22
A.A. Pavlova, V.F. Sagach, A.I. Soloviev Effects of inhibiting protein kinase C on Ca ²⁺ -sensitivity of contractile machinery in vascular smooth muscle under vasospasm of different genesis	31
M.V. Kryshtal, T.V. Kukoba, O.O. Moybenko Renal mechanisms of protective potassium effect under essential hypertension	38
Yu.A. Grinevich, G.D. Bendyug, O.M. Ostapenko Effects of thymostimulin on endocrine thymus function in thyroidectomized rats in thyroxin suppressive hormone therapy	43
V. Lishnevskaya, T.Bruzgina, O.Korkushko Age-related changes in fatty acid composition of the erythrocyte membrane	47
K.I. Bogutska, O.V. Tsimbalyuk, V.M. Danilova, M.S. Miroshnichenko ATPase myosin activity in different muscle types depends on ph	52
F.V.Filchakov, T.N.Selezneva Mechanisms of inhibiting thymic serum activity at tumor growth	56
V. P. Lyashenko, V. I. Politaeva Relations of exogenic and endogenic hypercholesterinemia with morphological changes in aorta and liver	64
K.S.Neporada Metabolic changes in salivary glands at peptic ulcer of the stomach and their correction by L-arginin	70
V.V. Vereshchaka, S.V. Vosianova, T.N. Shulgenco Effects of systemic changes in microcirculation on the development of premature skin involution	75
T.B. Synelnyk, O.D. Synelnyk, V.K.Rybaltchenko Bile acids in the processes of canalicular bile formation	80
Yu.Ye. Rohovyy, O.V. Boyko, L.O. Filipova Functional – structural analysis of the nephron segments	94

Historical Dates

Sagach V.F., Tkachenko M.M. Institute of Physiology, Acad. Sci. Belarus celebrates its 50-th anniversary	101
Kostyuk P.G., Moibenko O.O., Sagach V.F., Tkachenko M.M. To half a century in the field of prophylactic medicine and ecology. To jubilee of I.M. Trahtenberg	104

Jubilee dates

Chronicles