

CONTENTS

V.I. Tsymbalyuk, S.N. Vadzyuk, P.S. Tabas, O.M. Ratynska, V.V. Sas, M.O. Sopiga. Predicting the recovery of psychophysiological state after chronic stress: a neural network model	3
E.O. Asanov, I.A. Dyba, Shatilo V.B., S.S. Naskalova, I.A. Antonyuk-Shcheglova, O.V. Bondarenko. The effect of breathing exercises on the ventilation function of the lungs in elderly people	11
N.M. Rozumna, V.V. Hanzha, O.O. Lukyanets. The effect of the CDK5 inhibitor roscovitine on the viability of rat hippocampal neurons culture <i>in vitro</i>	18
V.A. Semchenko, O.Ya. Popadyuk, O.H. Popadynets. Efficacy of antiaggregant and immunosuppressive therapy for prevention the development of neointimal hyperplasia of arteriovenous anastomoses in rabbits	25
Y.M. Tkachenko, O.P. Maximyuk, A.O. Cherninskyi, O.O. Krishtal. Differential effects of TRPV1 antagonist AMG-517 on activation of nociceptive skin endings	34
V.Z. Netiazhenko, S.E. Mostovyi, M.M. Zhaivoronok. Influence of plasma hemostasis on intracardiac hemodynamics in patients with chronic coronary heart disease and COVID-19	40
R.M. Ryabushko, V.O. Kostenko. Effects of NF- κ B and Nrf2 modulators on reactive oxygen and nitrogen species production in rat hearts following surgical trauma under prolonged stress	51
I.I. Kovalchuk, A.Z. Pylypets, O.V. Prodanchuk, M.M. Tsap, Y.V. Lesyk, V.A. Kolotnytskyi. Effect of selenium citrate on the lipid and phospholipid composition of rabbit blood plasma	58
M.O. Yuzviak, Y.V. Lesyk, Y.T. Salyha. Effect of zinc, selenium and germanium citrate nanoparticles on the antioxidant activity of rabbits under heat stress conditions	67
V.R. Strutynskyi, O.I. Diachuk, R.I. Yanchiy. The effect of glutathione on oxytocin-induced contractile activity and basal tone of the rat uterine myometrium under conditions of endotoxemia	77
A.Ye. Demkovych, Y.I. Poliukhovych. Disorders of the antioxidant defense system of the organism in periodontitis and the use of various types of removable prosthetic constructions	84
REVIEWS	
V. Kyryk, O. Parkhomenko. Potential prognostic markers of cellular senescence in age-associated cardiovascular pathology	93
A.P. Lytvynenko, O.T. Blashkiv, T.Yu. Voznesenska. Functional gastrointestinal disorders under the conditions of experimental models of stress	106