

Dear readers,

The development of preventive programs aimed at population lifestyle changes in the context of coronavirus disease 2019 (COVID-19) pandemic is one of the priority challenges of modern medicine.

The study by *Mukaneeva DK, et al.* assessed the associations of restrictive measures during the COVID-19 pandemic with physical activity (PA) changes in the adult Russian population. A significant decrease in all PA types was noted in persons without green spaces for walking, as well in those who did not use online resources or home simulators. PA deficiency affects the immunity status, mental health, as well as the body's resistance to infectious diseases and stress. When restrictive measures are designed, a balance is needed between actions to prevent the infection spread and to provide the PA.

The “Opinion on the problem” section presents a polemic article by *Aronov DM, et al.* “Atherosclerosis pathogenesis from the perspective of microvascular dysfunction”. The article discusses different viewpoints of researchers on atherogenesis. The facts confirming the lipid hypothesis are presented. Attention is drawn to the possible participation of *vasa vasorum* in atherogenesis.

The review article *Skripnikova IA, et al.* “Arterial calcification, atherosclerosis and osteoporosis: only clinical associations or a genetic platform?” discuss another important issue — comorbidity of atherosclerosis and osteoporosis as two multifactorial diseases. At present, enough research has confirmed the relationship between these diseases based on common risk factors and pathogenetic mechanisms. To explain this connection,



the authors describe genetic markers, which lead to this combination.

The cardiotoxic effect of anticancer therapy is now one of the actively discussed topics among experts. The study by *Kirichenko YuYu, et al.* “Cardiovascular toxicity of antitumor therapy: effect on myocardial and vascular remodeling” for the first time assess the effect of multiagent chemotherapy on endothelial dysfunction, vascular stiffness and cardiac hemodynamics in patients with stomach cancer. The authors point out the need to develop criteria for early cardiovascular toxicity for planning management strategy for this category of patients.

The novel research areas presented in this issue will be of interest to readers in various practical aspects.

Enjoy reading,

Editor-in-chief,

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