



Editor's Welcome

Dear colleagues!

We present the 35th issue of the International Heart and Vascular Disease Journal that includes the leading article, original articles, as well as clinical case report and letter to the editor.

The "leading article" section is dedicated to the assessment of cardiovascular risk depending on the presence of psychosocial factors from the perspective of hostility considering gender aspects. Authors have shown that the prevalence of negative psycho-emotional states such as hostility was higher among females that may affect the risk of cardiovascular disease development. In order to improve hostility state, it is necessary to create infrastructure that can provide easily available counseling in order to identify and monitor psychosocial risk factors among all categories of female population.

The "original articles" section presents three articles. The first manuscript investigated the effect of intensified muscles oxidation on blood pressure in strength athletes with arterial hypertension. For this purpose the study included 65 athletes who were followed-up for 180 days. The developed programs of aerobic exercise for strength athletes showed the superiority of high-intensity interval training protocol by the effect on the muscles oxidation and blood pressure parameters. The second article assessed the dynamics of atherogenic lipoproteins and estrogens during the management of dyslipidemia with PCSK9 inhibitors in patients with coronary artery disease and various comorbidities. The study included 114 men who were administered with intense treatment with statins + ezetimibe. In case when targets were not achieved, alirocumab was added to treatment. The most pronounced effect was seen in group of patients with coronary artery disease and without comorbidities. The third article aimed to assess the effect of atorvastatin on antioxidant enzyme activities in blood plasma and tissues in patients with stable coronary artery disease and postinfarction cardiosclerosis. It has been shown that 6-month treatment with atorvastatin was associated with antioxidant and antiperoxide activity and improves endothelial function in 90% of patients with stable coronary artery disease with manifestations of oxidative stress.

This issue also includes the clinical case of myocardial infarction incidence after COVID-19 infection. The patient with high cardiovascular risk after COVID-19 reinfection developed myocardial infarction with cardiac arrest that was caused by cardiopulmonary insufficiency; the sequence of changes was seen not only in vessels, but also in body organs with the development of acute myocardial infarction after SARS-COV-2 reinfection.

In June 2022 the first Inter-university Conference on Internal Medicine Issues was organized with the help of the Cardioprogress foundation. The review article analyzed medical universities publication rates in Russia and CIS countries in three leading medical journals between 2019 and 2021 and discussed the possible limitations and problems in university science development.

The "letter to the editor" section presents the excerpts from the memoirs of the member of the Editorial Board, an outstanding scientist and cardiologist Wilbert S. Aronov.

We invite everybody to collaborate with the journal. We are waiting for your original papers, review articles, discussions, and opinions about problems, treatment and prophylaxis recommendations.

Mekhman N. Mamedov

Editor-in-Chief

President of the "Cardioprogress" Foundation