



Editor's Welcome

Dear colleagues!

We present to your attention the next, fortieth issue of the International Heart and Vascular Disease Journal that includes the leading, original, review articles, and a clinical case as well.

The "Leading Article" section reflects the opinion of Russian experts on the updated guidelines of the American Diabetes Association. One of its sections is devoted to cardiovascular diseases and the risk management of cardiovascular complications. The document summarizes the key points of these recommendations with comments from leading Russian experts.

Three articles are presented in the "Original Articles" section. The first study evaluates the complex determination of predictors of the "arrhythmogenic cardiomyopathy" in patients with ventricular extrasystoles without structural heart changes to prognose the development of cardiovascular diseases in a prospective study. The work consists of two parts: experimental and clinical. Patients were followed for up to 10 years. The authors state that in patients without structural heart changes with ventricular extrasystoles, the increase in the values of the internal deviation index and QRSVE complex duration >0.48 units and 149 m/s, respectively, determine the risk group of cardiovascular pathology formation. The second article analyzes the comorbidity of somatic diseases associated with atrial fibrillation. According to the results, the majority of patients with atrial fibrillation have other cardiovascular diseases, including hypertension, coronary heart disease, and chronic heart failure. In the study group, a combination of two and three diseases was found in more than 60% of cases. The third article evaluated the efficacy of the hypolipidemic effect of omega-3 polyunsaturated fatty acids in coronary heart disease patients with post-infarction sclerosis and carotid artery stenosis less than 40%. The lipid-lowering effect is also associated with improved life quality in this group of patients.

The "Review Articles" section contains an article analyzing literature data on pharmacotherapy of psychosomatic disorders in patients with cardiovascular pathology. Among neuroleptics, drugs from the group of partial agonists of dopamine receptors are proven effective due to significantly lower shortening of the QT interval. Among antidepressants, selective serotonin reuptake inhibitors have a strong cardiotropic effect without significant side effects; in turn, agomelatine proved its effectiveness in myocardial reperfusion damage by conducting a special experiment, in which its positive effect on the apoptosis reduction rate was found.

The "Clinical Case" section presents a case of cardiac complications following SARS-CoV2 infection. In this article, a young female patient with no comorbidities developed a circular myocardial infarction following coronavirus infection. Severe complications such as myomalation, inferior and anterolateral ruptures of the left ventricular wall, and hemopericardium occurred.

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 "Cardioprogess" Foundation