



Editor's Welcome

Dear colleagues!

We present the next 34th issue of the International Heart and Vascular Disease Journal that includes the leading article, original and review articles, as well as clinical case report.

For the leading article section authors from Saint Petersburg presented their original work. The article is dedicated to primary prevention of atrial fibrillation in patients with metabolic syndrome and premature atrial contractions. The study included 426 patients who were prescribed with antiarrhythmic drug therapy with I-III antiarrhythmic agents (excluding amiodarone) and modulated kinesitherapy. Patients were followed up for one year. The results showed the reduction of the frequency of atrial fibrillation by 3 times compared with regular BP, blood glucose and lipids level correction.

The original article section presents two manuscripts. The first article is dedicated to the analysis of the prognostic criteria of mortality and chronic thromboembolic pulmonary hypertension in patients with pulmonary embolism. The study included 155 patients with pulmonary embolism. The following symptoms were associated with mortality: cardiac stroke volume reduction, the right ventricular to left ventricular diameter ratio over 0.9, blood pressure decrease less than 90/60 mm Hg, history of syncope, paradoxical interventricular septal motion, over 75% of thrombotic occlusion of the pulmonary artery, elevated plasma concentrations of troponin level. The second article investigated early markers of endothelial dysfunction in professional athletes. The study included 78 athletes aged from 18 to 45 years old involved in various professional sports. The study found that professional athletes with the presence of risk factors showed increased pulse wave velocity that can indicate the presence of early-stage vascular remodeling, in case when the influence of genetic polymorphisms of the renin-angiotensin-aldosterone system was excluded.

The review article analyzed the results of randomized clinical trials on the use of mineralocorticoid-receptor antagonists in patients with myocardial infarction, chronic heart failure in combination with type 2 diabetes mellitus and chronic kidney disease. Another review focused on the main causes of iron deficiency, differential diagnosis between anemias, treatments features in patients with various comorbidities, such as cardiovascular diseases, as well as treatment options for iron deficiency anemia.

The issue also presents clinical case on the stenting of the proximal anastomosis of the carotid-subclavian shunt using the cerebral protection system with right femoral and left radial approaches. This clinical case demonstrates the possibilities of modern endovascular surgery in the management of patients with extremely high cardiovascular risk.

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