



**Original article**

***Preoperative Preparation of Patients with Multifocal Atherosclerosis and Coronary Heart Disease***

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**ABSTRACT**

*Patients with multifocal atherosclerosis (MFA) represent a special group of patients due to simultaneous atherosclerotic damage to arteries in different anatomical and functional areas, which determines the severity of the disease and requires a special approach to the treatment of this category of patients. The existing recommendations contain the following approaches to preoperative preparation of this category of patients: the use of intra-aortic balloon counterpulsation (IABP) and the use of drug preparation. A number of studies have shown the positive effect of IABP on central hemodynamics (CHD), myocardial oxygen balance and determinants of cardiac pumping function. Attempts at medicinal preoperative preparation of patients with MFA and coronary artery disease with low LVEF are less common compared to IABP, despite the proven effectiveness of some inotropic drugs. We aimed to improve the results of treatment of coronary heart disease in patients with multifocal atherosclerosis and low left ventricular ejection fraction by substantiating and developing an algorithm for preoperative preparation.*

**Keywords:** *Atherosclerosis , Coronary Heart Disease, Preoperative Preparation*

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