

## **Clinical Management to Improve of Medical Care for Patients with Cardiovascular Diseases**

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**Objective:** To improve clinical management of medical care to the patients with cardiovascular diseases (CVD).

**Design:** A Retrospective Observational Study.

**Setting:** Scientific Clinical Center of Russian Railways Company, Peoples' Friendship University of Russia (RUDN) University, Moscow, Russia.

**Method:** The study was conducted from 1 October 2015 – to 30 September 2019. Object of study – Five hundred sixteen patients with coronary artery disease and atherosclerosis of arteries of various localization were included in the study. The medical care algorithm consisted of endovascular and hybrid surgical treatment of common atherosclerosis of the arteries and long-term follow-up dynamic multidisciplinary monitoring of patients.

**Results:** Improve clinical management has resulted in more effective results: The restoration of blood flow in coronary, subclavian, iliac, femoral or tibial arteries, performed during 14 days, was successful in all patients; the incidence of postoperative complications was 0.1%. There were no deaths. During the 1st year of follow-up, 37 (6.7%) patients performed repeated endovascular revascularization due to the development of restenosis of the stented segment of the following: coronary arteries 4 (0.8%), subclavian artery 2 (0.4%) and superficial femoral artery 31 (6%). Cardiovascular end points within 3 years of follow-up have not been achieved. Survival after 36 months was 100%.

**Conclusion:** Improving the clinical management of medical care for patients with CVD, of permanent medical care by cardiovascular surgeons of the vascular surgery department within the framework of one medical organization ensures high continuity of medical care, increases the survival of patients, and ensures high quality of public health.

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