



[The manifestations of the immediate bioincompatibility reaction in patients undergoing restorative heart operations]

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Biocompatible Materials - adverse effects
Blood Proteins - analysis
Coronary Artery Bypass
Coronary Disease - blood - surgery
Endocarditis - blood - surgery
English Abstract
Heart Valve Prosthesis Implantation
Humans
Hypersensitivity, Immediate - blood - etiology
Immunodiffusion
Immuno-electrophoresis
Precipitins - blood
Time Factors

Abstract: The generation in plasma the anodic aut precipitating protein, or aut precipitin (AAP), as the bioincompatibility reaction under influence of a number of alien components during cardiac operations with using cardiopulmonary bypass, heterotopic vascular autotransplants and artificial valve implants was studied in 257 patients. Selective formation of the AAPs in result of their inductors effect was discovered by the methods of immunodiffusion and immuno-electrophoresis in blood of patients within operation periods and early postoperation hours. Repeated and reiterated generation of the AAPs due to bioincompatibility in patients with coronar sclerosis and endocarditis, undergoing prosthetic cardiac operations may favour developing reaction of immediate hypersensitivity with complications and has prognostic value.

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