

The prediction of achievement of different types of orthostatic reactions of blood pressure by the method of the step-discriminant analysis in patients with the permanent form of atrial fibrillation

Yu.A. Chernaya (Kharkov)

The significance of the clinical signs and HRV indexes in the prognosis of achievement of different types of OR of BP has been studied. LF/HF proportion and VLF were the common criteria of prognosis of all types of OR of BP (except hypotensive OR of SBP). As well, the TP index was the criterion of prognosis of hypertensive OR of SBP's achievement, the index of body weight – of hypertensive OR of DBP's achievement. The stage of arterial hypertension and DBP of rest also had the prognostic mean for isotensive OR of SBP, DBP of rest, TP and HF – for isotensive OR of DBP. The criteria of prognosis of hypotensive OR of SBP were the prescription of AF, of hypotensive OR of DBP – functional class of heart failure and LF. The conclusion, that sympathetic-parasympathetic nervous system is the main link of circulatory dynamic's regulation, was made.

Key words: orthostatic reactions (OR) of blood pressure (BP), systolic BP (SBP), diastolic BP (DBP), atrial fibrillation (AF), heart rate variability (HRV), step-discriminant analysis.