

Vegetative regulation of heart at it is abnormal the located chords with arrhythmic syndrome

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The purpose of research: to study dependence arrhythmic syndrome at men of young age it is ALCH left ventricular from features of vegetative regulation of intimate activity.

117 men (18-25 years) it is abnormal the located chords (ALCH) left ventricular, not having diseases of internal bodies are surveyed. 2 (control) group have made 37 men of the same age without is ALCH of heart.

Methods: an echocardiography, diurnal a holter monitoring an ECG, electrophysiological research (EPHR) of heart, an estimation of variability of a rhythm of heart.

According to daily monitoring an ECG at persons with it is ALCH authentically more often infringements of a rhythm of heart of higher gradation (pair and group ventricular and supraventricular extrasystolia (VE and SVE) – 29,9 % and 10,9 %, $p < 0,05$, ventricular bi- and trygemenia – 29,9 % and 0 %, $p < 0,01$, paroxysms of supraventricular tachycardias (SVT) – 9,4 % and 0 %, $p < 0,01$) were registered. The greatest densities arrhythmia high gradation was at persons with cross-section and plural ALCH.

At carrying out of EPHR of heart paroxysms fibrillations of auricles at persons with it is ALCH were provoked in 6 times more often (31,8 % and 5,4 %, $p < 0,01$). Paroxysms SVT are provoked only at persons with is ALCH.

At persons of 1 groups lower variability of intervals RR ($66,4 \pm 17,0$, and $118,1 \pm 44,9$ mc accordingly, $p < 0,05$), and also authentic increase of parameter LF reflecting a low-frequency wave band and describing activity of a sympathetic department of vegetative nervous system ($36,5 \pm 7,1$ and $28,9 \pm 5,8$ %, $p < 0,05$) is revealed.

At 84,6 % of persons with it is ALCH and arrhythmic a syndrome it is revealed sympathicotonia. At persons with it is ALCH without arrhythmic a syndrome, sympathicotonia it is revealed in 25 %, in 66,7 % of cases prevailed parrasympathicotonia. In 2 group in 67,6 % of cases prevailed parrasympathicotonia.

Conclusions: 1. At men of young age with it is ALCH of heart in 3 times come to light a steam room SVE, VE high gradation, a combination SVE and VE, paroxysms SVT is more often. Proof paroxysms fibrillations of auricles come to light only at ALCH of heart.

2. At it is ALCH left ventricular with arrhythmic a syndrome vegetative dysfunction as sympathicotonia in 84,6 % of cases while at persons with ALCH without arrhythmic a syndrome vegetative dysfunction in 66,7 %, and at persons of control group in 67,6 % is submitted parasymphaticotonia comes to light.