

FEATURES OF THE COURSE OF CARDIO COMORBIDITY IN THE FORM OF CHRONIC HEART FAILURE IN ARTERIAL HYPOTENSION

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The purpose of the study

It is to study the epidemiological characteristics of the course of cardio comorbidity in the form of chronic heart failure in arterial hypotension (ArGt).

Materials and methods of research

2182 farming population participated in the study. All population subjects signed an informed consent form before entering the study. Their age ranged from 18 to 70 years and older.

The total number of farmers-population registered at the place of work is 2182, they were involved in the full investigation and were described as follows: 1) 18-70 years old - 2182 (men - 1069 and women - 1113), including 18-30 years old - 435 (men -236 and women 199), 31-49-year-olds -1143 (606 men and 537 women), 50-69-year-olds - 549 (men -194 and women -335) and 70-year-olds - 55 (men - 33 and women - 22).

Results of the study

Concomitant chronic heart failure (SYuE) to ArGt is noted in 8.0 percent of the population of farmers aged $\geq 18-70$ years (men - 8.2 percent and 7.7 percent in women; $R > 0.23$). $RR = 3.82$, $CI_{low} = 2.21$, $CI_{up} = 6.65$, $\chi^2 = 28.8$, $R < 0.05$. Or, in general, statistical analysis confirms that there is a significant and reliable correlation between them. In age-related cases, the frequency of registration of SYuE in addition to ArGt increases 9.4 times and is determined by the following prevalence: -7.7% in 18-30-year-olds (-0.00% in men and 12.0% in women; $R < 0.02$), 31-49 -6.1 percent (men -5.9 percent and women 6.4 percent; $R > 0.7$), 50-69 10.9 percent (men 12.1 percent and women - 7 .7 percent; $R < 0.05$) and 66.7 percent in 70-year-olds (-100 percent in men and 0.00 percent in women).

Conclusions

In our study, there is a preponderance of the farming population with a comorbid background. Among them, "ArGt +SYuE" comorbidity was confirmed in -8.0 percent frequencies. So, in the progression and complications of ArGt, the comorbidity of SYuE takes a special place.