

FEATURES OF THE OCCURRENCE OF CARDIO COMORBIDITY IN ARTERIAL HYPOTENSION IN THE FORM OF ISCHEMIC HEART DISEASE

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The purpose of the study

It is to study the epidemiological features of the occurrence of cardio comorbidity in the form of ischemic heart disease 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).

Research results. In general, it should be noted that ischemic heart disease (IHD) occurs with a frequency of 43.4 percent in the farming population aged $\geq 18-70$ years and more, as a comorbid background to ArG. 45.5% of them are men and 41.0% are women $\geq 18-70$ years old ($R < 0.049$). With increasing age, the rate of such inclusion increases from 30.8 percent (at 18-30) to 47.9 percent (at 31-49 years old), that is, the comorbidity of UIC increases by 1.4 times. In other age groups, the frequency of detection of CKD combined with arterial hypotension is expressed by relatively high indicators (39.1% in 50-69-year-olds and 33.3% in those over 70 years old).

In the male and female farmer population, the comorbidity of "ArGt +YuIK" is confirmed by the specific prevalence frequency: 18-30 years old - 21.4 and 36.0 percent ($R < 0.05$), 31-49 years old - 52.9 and 42.3 percent ($R < 0.08$), from 50-69 years -39.4 and 38.5 percent ($R < 0.05$), from 70 years -45.5 and 41.0 percent

($R < 0.049$). Statistical analysis reliably confirms that there is a strong relationship between YIK and ArGt ($RR = 1.93$, $CI\text{-low} = 1.48$, $CI\text{-up} = 2.54$, $\chi^2 = 52.90$, $R < 0.05$).

Conclusions

In the population of farmers, specific isolated symptoms of arterial hypotension are not identified as a significant and dangerous factor. There is a preponderance of the population of farmers with a comorbid background (suffering from joint diseases), and the comorbidity of "ArGt + YuIK" is confirmed at a frequency of 43.4 percent. Therefore, arterial hypotension is combined with "comorbid diseases", i.e. UIK, and causes the risk of complications.