systole blood velocity (SBV) in the uterine artery less than 30 cm/sec (yes – RQ = +6; no – RQ = -1,5), SBV in the right ovarian artery less than 30 cm/sec (yes – RQ = +8; no – RQ = -2,8), SBV in the left ovarian artery less than 30 cm/sec (yes – RQ = +7; no – RQ = -4,3), difference between SBV in the uterine and the right ovarian arteries more than 10 cm/sec (yes – RQ = +9,4; no – RQ = -1,8), difference between SBV in the uterine and the left ovarian arteries more than 10 cm/sec (yes – RQ = +10,4; no – RQ = -2,3), difference between SBV in the right and left ovarian arteries more than 10 cm/sec, (yes – RQ = +6,7; no – RQ = -0,8).

The sum (-13) testifies to the absence of circulatory dynamics disorders, from (-13) to (+13) – to the initial manifestations of the disorders, the sum of more than 13 testifies the existence of evident disorders which require medicamental correction and physiotherapy. The correction of the specified circulatory dynamics disorders in the teen age in patients with OM and SA will allow preventing serious functional disorders of the cardiovascular system.

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PSYCHOPHYSIOLOGICAL STATE OF NAVAL SPECIALISTS IN THE PERIOD OF ACUTE ADAPTATION TO SERVICE UNDER CONTRACT

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The present-day Navy change-over to preferential recruiting specialists doing military service under the contract sets the problem of various ranks navy soldiers' adaptation process in-depth study. While analyzing the research results of the naval specialists' psychophysiological state the ranking on the ground of their military status was used. Depending on the type of business before entering into the contract there were the following groups distinguished: 1) specialists who were called-up to serve in the

Navy 12 months ago (n=170); 2) persons who had their first contract closed (n=90); 3) military retirees (n=100). The research was carried out within 2 years after entering into the contract in 4 stages: primary – at making the contract, and then in 6, 12 and 24 months of the service.

It has been established that the most difficult period of psychological adaptation to military service under contract for the first group persons was the interval between 6 and 12 months of service, which is characterized by considerable lowering of emotional stability levels (by 46,4%), moral dynamism (31,1%), assertion (34,8%). The second year of service of the first group persons was attended with positive personal traits changes: growth of emotional stability levels (by 42,3%), moral dynamism (by 33,3%), assertion (twofold) and was the of psychological adaptation acute phase completion.

The efficiency, stability and reaction rate dynamics was characterized by the following: compared to the primary research, in 6 months of service the levels of the specified showings of the first group military servants decreased, in 12 months of service the evidence of the specified features decrease was maximal, in 24 months of service the efficiency, stability and reaction rate levels increased considerably. The process of adaptation to service under contract for the first two years was attended with authentic (p<0,05) lowering of adaptive capacities, communication neuropsychic resistance, potential, professional suitability and with moral norm decrease tendency by the end of the first year of service. In the consequence of the comparative analysis of electroencephalogram (EEG) average value showings, compared to the results of the primary survey, in occipital authentic (p<0.05)derivations α-rhythm frequency (within normal diapason), oscillation amplitude, with preservation of reactions to overventilation, closing and opening eyes, and index reduction, that should be evaluated as brain adaptation process inhibition and lassitude development, have been established in 12 months of service. In two years of service the α -rhythm amplitude and frequency in the occipital derivations grew and reached the index level at primary survey.

In the survey consequence by the second year of service the maximal alteration of the majority of the showings characterizing

psychophysiological state has been established in the persons of the second group. The process of adaptation to service under contract in the second group military seamen within the first two years was attended with authentic (p<0,05) lowering of neuropsychic resistance by the end of the second year of service. No authentic difference between the stages on the levels of adaptive capacities, communication potential, professional suitability and moral norms were established. As a result of the comparative analysis of average EEG showings in 2 years of service, compared to the results of the primary survey, in the occipital derivations authentic (p<0,05) α-rhythm index, frequency and amplitude decrease was registered. No significant differences in amplitude and frequency EEG characteristics in the interim stages of the investigation were established.

The first two years of service among the military seamen of the second group were characterized by authentic (p<0,05) growth of moral dynamism (by 27,0%), self-sentiment (more than twofold), recollection, vigour and energy (на 26,4%), compliance and latitude to people (more than twofold). The level of stability increased emotional authentically (p<0,05) in 12 months of service, but then decreased considerably. As the result of formally dynamic personal properties evaluation the essential decrease of psychomotor (by 13,4%), intellectual (by 11,1%), communicative (by 7,2%), general energy (by 10,6%), and also the decrease of general emotionality (by 10,0%) and general adaptiveness (by 11,1%) in 24 months of service have been established in the second group persons.

In the result of the survey the maximal alteration of most of the showings characterizing psychophysiological state has been established in the third group persons in 6 months with the tendency of stabilization, compared to the prior data, by the end of the second year of service. Thus, the stability of nervous processes balance has decreased by 24,8% in 6 months of service, compared to the primary survey. Then the specified showing increased authentically (p<0,05) by 21,8% (3 stage), and then -9,8% more.

In the result of the comparative analysis of average EEG value showings, compared to the primary survey results, in the occipital derivations authentic (p<0,05) α -rhythm index decrease has been registered in 6 months of service. In two years of service α -rhythm amplitude and frequency indexes in the occipital derivations grew and reached the level of the primary investigation values. No authentic differences between amplitude and frequency EEG characteristics between the 1 and 3, 2 and 3, 3 and 4 stages of the investigation has been established.

As the result of formally dynamic personal properties evaluation the essential decrease of psychomotor (by 6,3%), intellectual (by 11,1%), communicative (by 12,7%), general energy (by 12,0%), and also the decrease of general emotionality (by 12,3%) and general adaptiveness (by 15%) levels have been established in the contract service adaptation dynamics in the third group persons in 6 months of service.

Thus, the period of acute adaptation to service under contract in naval specialists passes within the space of two years and is attended by an essential (p<0,05) α -rhythm amplitude, frequency and index lowering in occipital derivations of brain, adaptive capabilities decrease and lassitude state development: in 6 months – in retirees who entered into the contract again; in 12 months – in military seamen who entered into the contract after one year call-up liability. For naval specialists, who prolong the contract, the adaptive capabilities level decrease within 24 months of service under the second contract is typical.

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