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**HYGIENIC ASSESSMENT OF THE MENTAL CAPACITY OF THE PUPILS STUDIED AT ODNOROBIVSKIY PROFESSIONAL AGRARIAN LYCEUM IN THE COURSE OF PSYCHOLOGICAL ADAPTATION TO THE LERNING CONDITIONS**

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**Introduction.** Mental capacity depends on the intensity of the function of sensory systems that perceive information, from the state of memory, thinking, and the expression of emotions.

Aim. Hygienic assessment of the mental capacity of the pupils studied at Odnorobivskiy professional agrarian lyceum in the course of psychological adaptation to the conditions of studying by assessing the functional status of their organism using corrective test.

**Materials and methods.** The study of the dynamics of mental capacity, stability of attention, accuracy factor was carried out by the corrective method using the tables of A.G. Ivanov-Smolenskiy, and with the subsequent calculation of the exponents by the formulas of P.G.Whipple. Research group consisted of 15-18 years students, which within 3 years studied agrarian specialties at Odnorobivskiy professional agrarian lyceum (Kharkiv region, Ukraine):"mechanic for the repair of agricultural machinery and equipment" (1 year); "tractor driver - agricultural engineer (forestry production)" (2 year);"driver of vehicles" (3 year).

**Results of research.** The experiment showed, that coefficient of accuracy did not change in 1 year (0.95 cu) and was the same at the beginning of the year and at the end. At the second year, this indicator is slightly increased at the beginning of the academic year (to 0.97 cu,), but by the end of it, again decreased (to 0.95 cu), and remained the same. The coefficient of mental efficiency was 686.35cu. At the end of the year, it increased to 749.83 cu. In the second year students, the coefficient decreased: at the beginning of the year, it was 703, 50 cu, and in the end, it was already 676, 73 cu. At the beginning of the third year, the coefficient slightly increased, but at the end of the academic year, it was reduced to 669.04 cu. The waviest was the dynamics of the main indicator of mental capacity, the coefficient of persistence of attention. At the beginning of the first year it was 37.89 cu, then it increased to 41.90 cu. On the 2 year the beginning of the indicator of 45.38 cu, and in the end - by a decrease to 24.20 cu. The beginning of the third year of the specialty "driver of vehicles" was 53.29 cu, and the end of the year - significant decrease to 35.12 cu.

**Conclusions.** Reliable reduction of such indicators as the coefficient of accuracy and the coefficient of stability of attention at the second year of training, allows assigning this time to the period of risk, which requires the introduction of psychohygienic measures to correct the adaptation process.