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**THE DEPENDENCE OF THE RESISTANCE OF ESTRADIOL ON THE INFLUENCE OF THE MUTANT HENA OF THE ALLEL A WITH JUVENILE DYSMENORRHEA**

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**ABSTRACT**

*Girls were examined with YUD (n = 64) compared with the control group (n = 50). For the release of DNA, venous blood was served from the elbow vein, with the detection of estradiol-alpha receptor genes and serum estradiol (E2). The data obtained during genetic studies are consistent with the indicators obtained during the study of the level of estradiol, in the blood of girls with primary dysmenorrhea, depending on the presence of CTD criteria. It was revealed that the presence of a mutant allele A, as well as the G2014A genotype in the ESRI G2014A genotype in women, can affect the level of estradiol levels in the blood, which was confirmed by genetic analysis, which revealed that the intelligence of the mutant allele of the estrogen receptor - alpha (one-deactive replacement of Guanin On adenine in RS2228480), 1.9 times higher in the group of girls with YUD with CTD than in the YUD group without CTD ( $\chi^2 = 4.515$ ;  $p = 0.03$ ).*

**KEYWORDS:** *Juvenile Dysmenorrhea, Connective Tissue Dysplasia, Estradiol.*

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