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**TREATMENT OF VULVOVAGINAL INFECTIONS IN ADOLESCENTS**

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**Relevance**. Pathology of the reproductive system organs observed in adult women often results from gynecological diseases developed in childhood or adolescence. Vulvovaginal infections rank first among urogenital system disorders in children and adolescents, according to various researchers, accounting from 70% to 93% of gynecological pathology of childhood and adolescence.

**The purpose of the study**. To determine the efficiency of Vagisan in treatment of vulvovaginal infections in adolescent girls.

**Materials and methods**. The study was performed at the Department of Obstetrics, Gynecology and Pediatric Gynecology at Kharkiv Regional Children Clinical Hospital No.1. The study involved examination and treatment of 60 adolescent girls. Vulvovaginitis was diagnosed on the basis of complete clinical and microbiological examination of vaginal content using complex quantitative polymerase chain reaction (PCR). The control group included 30 adolescent girls with vulvovaginitis receiving standard antibacterial therapy and the main group involved 30 adolescent girls whose treatment regime additionally included 2 capsules of Vagisan per day for one week.

**Results and discussion**. The patients of the main group observed a decrease in vaginal inflammation severity and a decrease in discharge intensity after the first two days of treatment, while adolescent girls in the control group reported an improvement on the 5th day of treatment. All symptoms (leucorrhea, pain, inflammation) typical for vulvovaginal diagnosed prior to treatment were observed only in 2 (6.7%) adolescents in the main group following treatment and their intensity was significantly less expressed than in the control group (9 (30%)). According to complex quantitative PCR data, normalization of vaginal microbiocenosis occurred in the majority of patients - 24 (80%) in the main group and 18 (60%) in the control group.

**Conclusion**. Administration of Vagisan in treatment of vulvovaginal infections is considered to be effective, resulting in the fast regeneration of vaginal microbiocenosis.