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***«Actual Problems Of Clinical And
Theoretical Medicine»***



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APPLICATION OF LETROZOLE IN ENDOCRINE STERILITY TREATMENT

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Actuality. Endocrine sterility occupies one of leading positions among different reasons of female sterility that combine all conditions connected with ovulatory failure. In the structure of female sterility a frequency of endocrine form range to 40 %.

The aim of the research is to expose peculiarities of mechanism of action aromatase inhibitor letrozole in patients with sterility caused by polycystic ovary syndrome.

Materials and methods. There were 28 women 20-28 years old with polycystic ovary syndrome (average age is $24 \pm 1,8$). All patients had complete pelvic examination for comorbidity detection of reproductive female system and contraindication to this type of therapy. Selected

medical preparations have been used for 4 months.

Results. After having undergone a treatment course 82% of patients had restoration of ovarian function, 39 % of them got pregnant. After dose titration to 5,0 mg, the rest 90 % of women got pregnant. On the top of already administered therapy thinning of functional endometrial layer and reducing of glands secretion were not observed.

Conclusion. Ovarian hyperstimulation of aromatase inhibitor letrozole is an effective method of ovarian stimulation in patients with endocrine sterility. Application of medicaments results in restoration of ovulation and pregnancy. It is also exposed that letrozole has dose-dependent effect on dominant follicle growth.



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