

Introduction. The endometrial immune axis is the elucidation The mean level of anti-inflammatory interleukin IL10 in L_1 was of major problems in female reproductive health, especially in 186.06 ± 30.71 pg/ml and in L₀ 186.93 ± 34.26 pg/ml, p = 0.897 infertility. Current research has identified cytokines as molecular (Fig.2). markers responsible for the tolerance and immunity of the The results the \mathbf{O}^{\dagger} female reproductive tract. histological investigation **L2** of endometrial biopsies Purpose. Evaluation of pro- and anti-inflammatory cytokine 20 21 28 18 showed that in both groups levels in endometrial fluid in patients with primary infertility. there were inflammatory histological changes in the Material and methods. A prospective cohort study was endometrium, with an $\frac{3}{4}$ performed, which included 96 patients divided into study group apparent prevalence in the (L1) - 48 patients with primary infertility and control group (L0) group of patients with with 100,00-- 48 fertile patients. The endometrial fluid was aspirated with primary infertility in 38 the Pipelle suction curette. Statistical analysis was performed (79.2%) cases compared to the group of fertile patients using SPSS 20 and Microsoft Excel 2016. $15 (31.3\%) \chi 2 = 22.238;$ **Results.** The mean age in the study group was 29.0±4.58 and in Fig. 2. Levels of IL10 in the endometrial fluid. p < 0.001. the control group 29.2 ± 4.29 (p = 0.801). Conclusions L_1 The level of interleukin 5000,00-Endometrial immune status in patients with primary infertility is o²⁸ IL1B was considerably characterized by a marked predominance of the Th1 cytokine 4000,00increased in the study profile, supporting significant levels of proinflammatory cytokines, group L_1 with an average which directly influences the histological aspect of the of 1044.67±125.79 pg/ml 2000,00endometrium. *68 and in the control group 074 1000,00microbiome, infertility, Keywords. Primary immunity, L_0 it was 354.32±70.98 endometrium, proinflammatory cytokines



Fig. 1. Levels of IL1B in the endometrial fluid.

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pg/ml, p<0.001 (Fig.1).

