

## Chlamydia

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**[Immunological and microbiological aspects of low intensity laser effect on the factors of local immunity of the reproductive tract in women with chlamydia infection]**

[Article in Russian]

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Assessment of immunological and microbiological efficacy of Chlamydia cervicitis management was made by a complex method with a low intensity laser. The total number of leukocytes, percentage of viable cells and the number of neutrophils were detected in cervical secrets. Functional status of neutrophils was studied by a content of lysosomes on the ground of spontaneous and induced by latex HCT-reducing capacity, phagocytic activity. A system of cytokines was studied by interleukine level (IL-1 alpha, IL-1 beta, TNF-alpha, IL-8) and IFN-gamma content in cervical mucus. Positive clinical effect of the local use of the low intensity laser for Chlamydia cervicitis treatment was accompanied by positive changes in immunological indices of cervical secret, normal concentration of cytokines in cervical secret, restoration of the number and functions of neutrophils. Local use of the low intensity laser contributed to decreased number of opportunistic pathogenic microorganisms and their associations, and restored local flora.